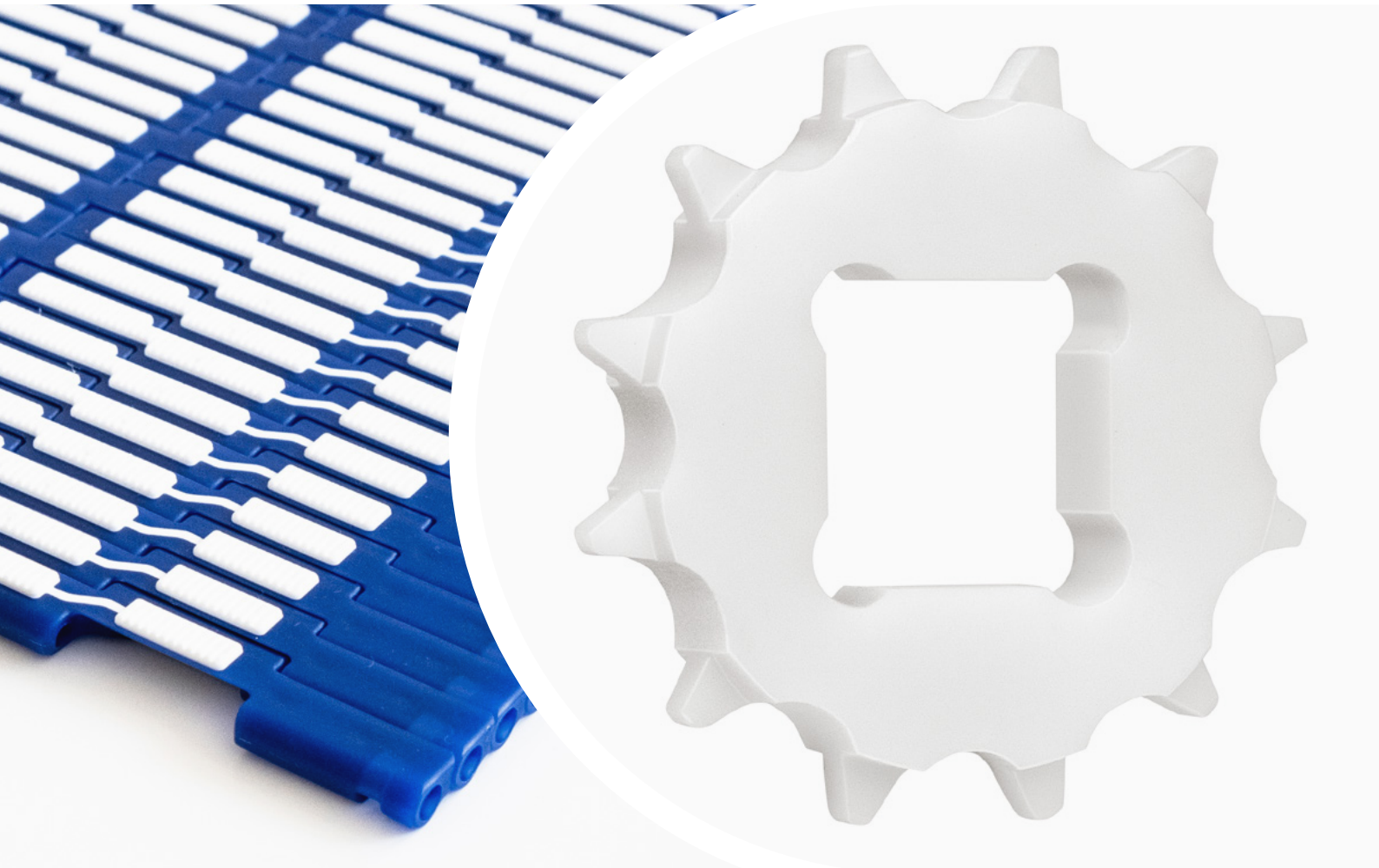
HabasitLINK®
Plastic Modular Belts

Product Guide



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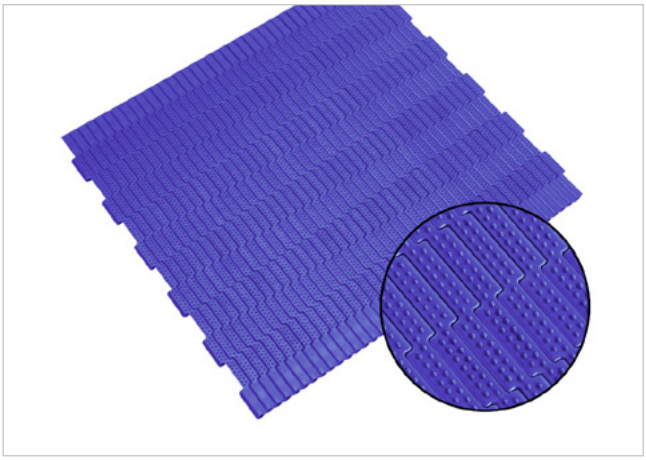
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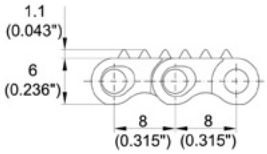
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HabasitLINK®
M0863 Micropitch Cone Top 0.3"

Description
- 0% open area
- Positive Pyramid, Solid plate
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system

Available accessories
- Saniclip





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2500 *171*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	5.8 *1.20*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

Standard range of belt widths b_0

mm (nom.)	254.0	457.2	660.4	660.4	863.6	1066.8	1270.0	1473.2	etc.
inch (nom.)	*10*	*18*	*12*	*26*	*34*	*42*	*50*	58	*etc.*

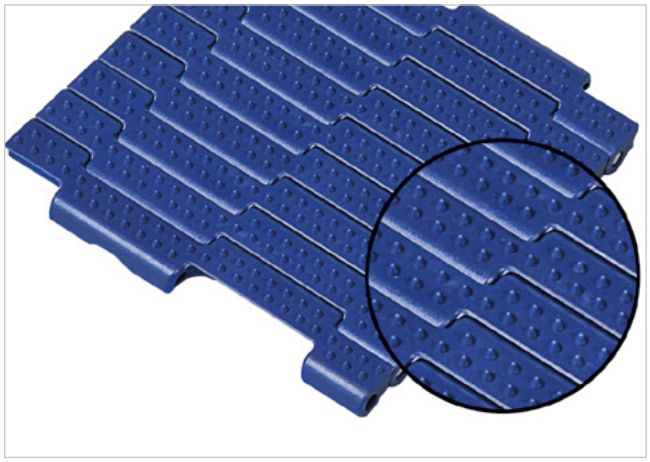
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of *8.0*" (203.2 mm). Non-standard width are offered in increments of *2.0*" (50.8 mm). Smallest possible width *4.0*" (101.6 mm).

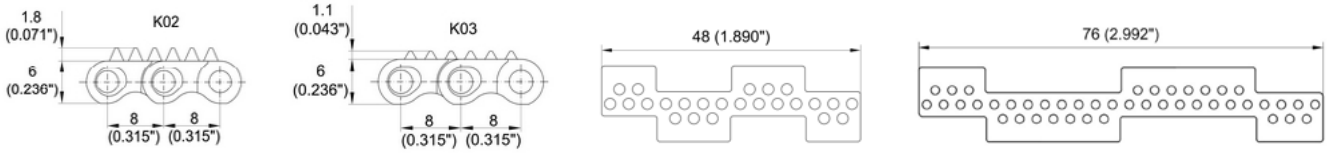
Belt widths up to *8*" (203.2 mm) with indent on one side only.

HabasitLINK®
M0863 Micropitch Cone Top 0.3" MTW

Description

- 0% open area
- Positive Pyramid, Solid plate
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system





Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
M0863K02*	48.0	*1.9*	POM	PBT	120	*27*	0.24	*0.16*
M0863K03	76.0	*3.0*	POM	PBT	190	*43*	0.39	*0.26*

*M0863K02 is not compatible with M0800 standard sprockets, it requires dedicated sprockets, consult the M0800 sprocket PDS.
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

The belt return way support system requires specific attention due to belt Cone Top surface.
MTW modules have no flat indents, if the belt is sliding on supports or running on hard rollers it can damage or wear off the cones. To preserve the Cone Top surface, the return way supports – if necessary – need to be made by soft rollers.

Temperature range

Module material	Rod material	Temperature range	
POM	PBT	-40 °C to +93 °C	-40 °F to +200 °F

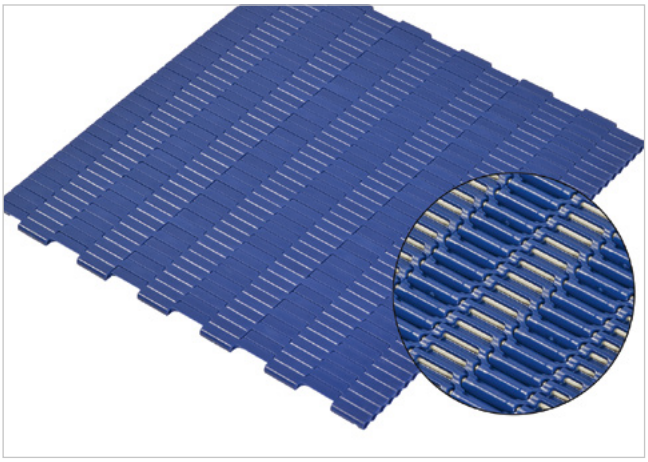
HabasitLINK®
M0870 Micropitch Flat Top 0.3"

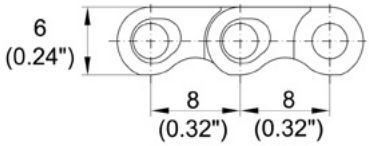
Description

- 0% open area
- Flat Top Surface, Solid plate
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system

Available accessories

- Saniclip





Belt data

Belt material		**POM**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2500 *171*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	5.4 *1.11*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

Standard range of belt widths b_0

mm (nom.)	101.6	203.2	304.8	457.2	609.2	762.0	914.4	etc.
inch (nom.)	*4*	*8*	*12*	*18*	*24*	*30*	*36*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PA material 0.05% to 0.1% wider.
For POM material up to 750 mm (*30"*) -2 mm to 1 mm and -0.35% to 0% for wider belts.

Standard belt widths in increments *6.0"* (152,4 mm). Non-standard widths are offered in increments of *2.0"* (50.8 mm). Please check the correct sprocket position with your local contact. Smallest possible width *4.0"* (101.6 mm).

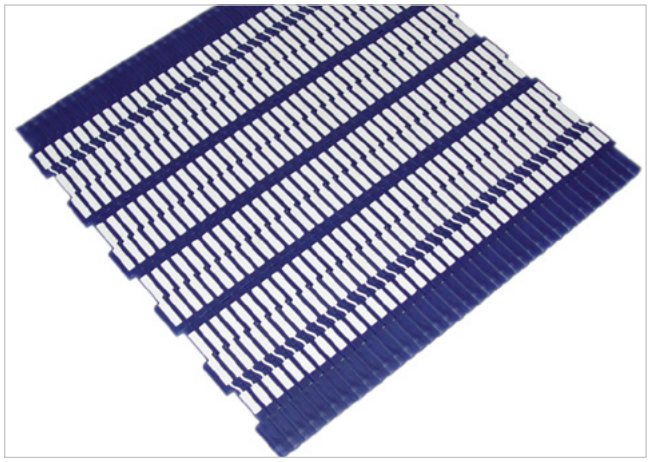
HabasitLINK®
M0870 Micropitch HighGrip-L 0.3"

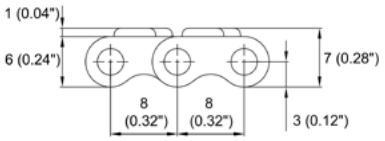
Description

- 0% open area
- Rubber Surface, Solid plate
- GripTop with grooved surface for high friction and less grip reduction by dirt and dust
- Indent 30 mm *(1.18")*
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system

Available accessories

- Saniclip without GripTop surface





Belt data

Belt material		**POM**
GripTop material		**TPE**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2500 *171*
Temperature range	°C *°F*	-40 - 60 *-40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	5.4 *1.11*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

Standard range of belt widths b_0

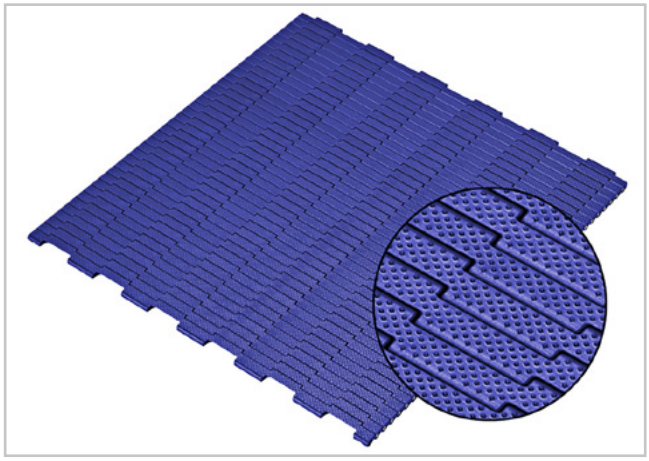
mm (nom.)	203.2	304.8	406.4	508.0	609.6.0	711.2	etc.
inch (nom.)	*8*	*12*	*16*	*20*	*24*	*28*	*etc.*

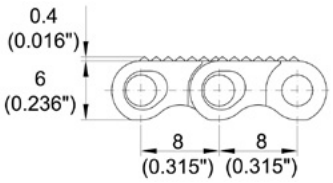
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths with indents on both sides in increments of 4.0" (101.6 mm) starting from 8" (203.2 mm). Non-standard widths are offered in increments of 2.0" (50.8 mm). Smallest possible width 6.0" (152.4 mm).

HabasitLINK®
M0873 Micropitch Non Slip 0.3"

Description

- 0% open area
- Positive Pyramid, Solid plate
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2500 *171*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	5.3 *1.09*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

Standard range of belt widths b_0

mm (nom.)	305	609	914	1219	1524	etc.
inch (nom.)	*12*	*24*	*36*	*48*	*60*	*etc.*

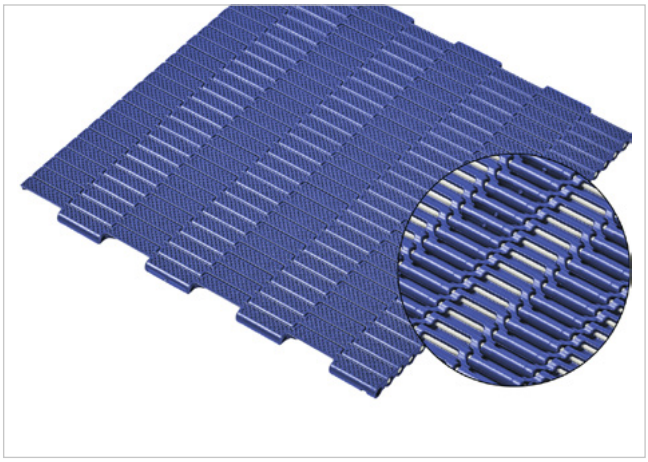
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -2 mm to 1 mm and -0.35% to 0.1% for wider belts.

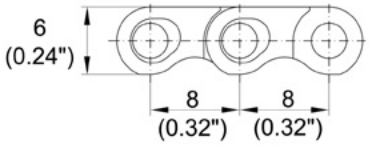
Standard belt widths in increments *12.0"* (304.8 mm). Non-standard widths are offered in increments of *2.0"* (50.8 mm). Please check the correct sprocket position with your local contact. Smallest possible width *4.0"* (101.6 mm).

HabasitLINK®
M0876 Micropitch Diamond Top 0.3"

Description
- 0% open area
- Negative Pyramid, Solid plate
- Dynamic open hinge
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system
- Designed for easy release of sticky bakery dough

Available accessories
- Saniclip





Belt data

Belt material		POM
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2500 *171*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	5.4 *1.11*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

Standard range of belt widths b_0

mm (nom.)	101.6	203.2	304.8	457.2	609.2	762.0	914.4	etc.
inch (nom.)	*4*	*8*	*12*	*18*	*24*	*30*	*36*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -2 mm to 1 mm and -0.35% to 0% for wider belts.

Standard belt widths in increments *6.0"* (152,4 mm). Non-standard widths are offered in increments of *2.0"* (50.8 mm). Please check the correct sprocket position with your local contact. Smallest possible width *4.0"* (101.6 mm).

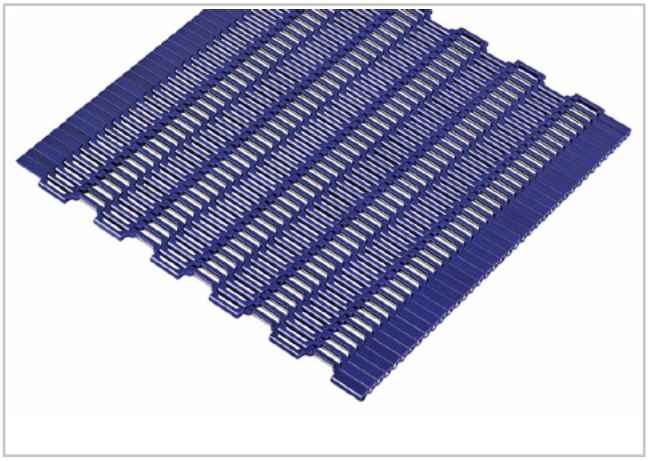
HabasitLINK®
M0885 Micropitch Flush Grid 0.3"

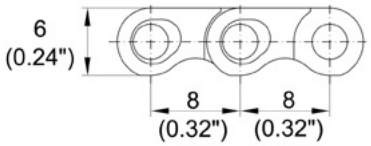
Description

- 34% open area; 80% open contact area
- Flush Grid Surface, largest opening 3.5x18 mm *(0.14"x0.71")*
- Dynamic open hinge, easy to clean
- Rod diameter 3 mm *(0.12")*
- Knife edge (nosebar) diameter 6 mm *(0.236")*
- Snap Fit rod retaining system

Available accessories

- Saniclip





Belt data

Belt material		**POM**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2400 *164*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	4.4 *0.90*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
6	*0.24*	50	*2.00*	50	*2*

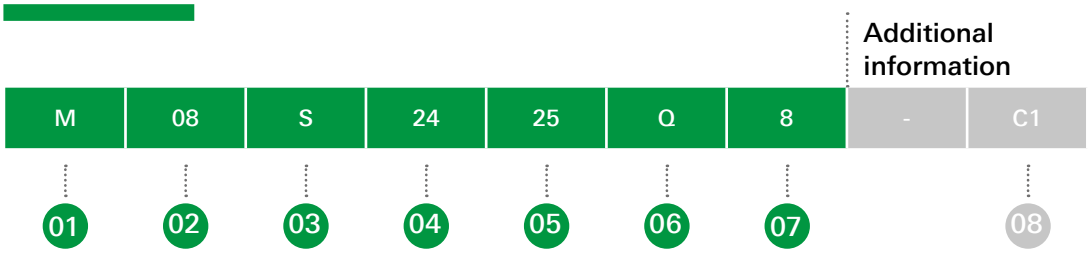
Standard range of belt widths b_0

mm (nom.)	203.2	304.8	457.2	609.2	762.0	914.4	1066.8	etc.
inch (nom.)	*8*	*12*	*18*	*24*	*30*	*36*	*42*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PA material 0.05% to 0.1% wider.

Standard belt widths in increments *6.0*" (152,4 mm). Non-standard widths are offered in increments of *2.0*" (50.8 mm). Please check the correct sprocket position with your local contact. Smallest possible width *4.0*" (101.6 mm).

HabasitLINK®
Sprocket series M0800



01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

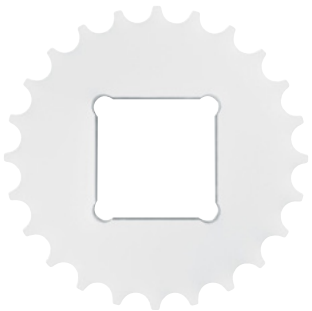
06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1: machined sprockets; CS: machined sprockets

Sprocket availability

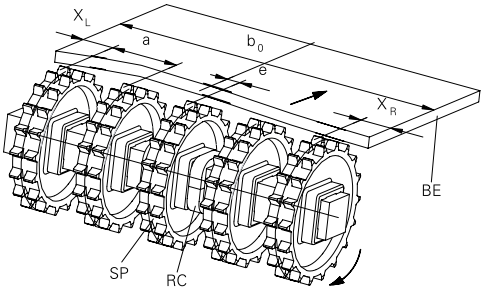
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	18	46.5	*1.8*	21.0	*0.83*	25	*1.00*	20	*0.75*	25	*1*	POM
S-CS	18	46.5	*1.8*	21.0	*0.83*	20	*0.79*	20	*0.75*	25	*1*	POM
S	24	61.8	*2.4*	28.8	*1.13*	25	*1.00*	25	*1*			POM
S-CS	24	61.8	*2.4*	28.8	*1.13*	20	*0.79*	25	*1*			POM
S	36	92.6	*3.7*	44.5	*1.75*	25	*1.00*	40				POM

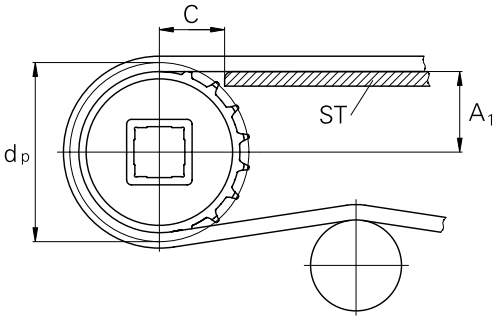


S: molded sprockets; S-C1: machined sprockets;
S-CS: machined sprockets for **M0863K02**.
Other sprocket and hub sizes on request.

Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials are available on request.

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm *(1.1")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M0863 M0870 M0876	76.2 *3*	152.4 *6*	25 *1*	25 *1*	b_0 / 50.8 *b_0 / 2*	even number (2, 4, 6 ...)	0	right or left side
						odd number (3, 5, 7 ...)	0	right or left side
M0870 MTW* M0873*	76.2 *3*	152.4 *6*	38 *1.5*	38 *1.5*	b_0 / 50.8 *b_0 / 2*	even number (2, 4, 6 ...)	12.7 *0.5*	right or left side
						odd number (3, 5, 7 ...)	12.7 *0.5*	right or left side
M0885	76.2 *3*	152.4 *6*	50 *2*	50 *2*	b_0 / 50.8 *b_0 / 2*	even number (2, 4,6 ...)	0	right or left side
						odd number (3, 5, 7 ...)	0	right or left side
M0863K03	-	-	38 *1.5*	38 *1.5*	-	-	-	-
M0863K02	-	-	25.4 *1*	25.4 *1*	-	-	-	-

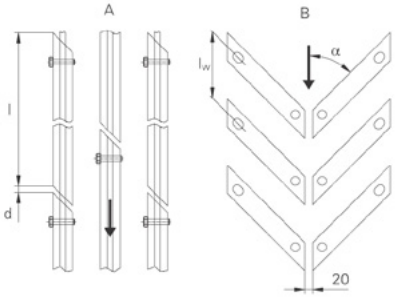
*For belt widths of 558.8mm (*22*") with increment steps of +609.6mm (+*24*") and likewise for belt widths of 609.6mm (*24*") with increment steps of +609.6mm (+24") the centre sprocket offset is 38mm (*1.5*") to either the left or right.
For belt widths of 660.4mm (*26*") with increment steps of +609.6mm (+*24*") the center sprocket offset is 63.5mm (*2.5*") to either the left or right.
Please consult the installation flyer on our website for further sprocket placement rules.



Edge of M0870 (see red arrow)



Edge of M0870 MTW / M0873 (see red arrow)



Numbers of sprockets and wearstrips for Series M0800 (returnway - refer to option A in the sketch)

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips
mm	inch	min. number	Returnway (bottom) (refer to A in the sketch)
152	*6*	2	2
305	*12*	3	2
457	*18*	5	3
610	*24*	7	4
762	*30*	9	4
914	*36*	11	5
1067	*42*	13	6
1219	*48*	15	6
1372	*54*	17	8
1524	*60*	19	8
1676	*66*	21	10
1829	*72*	23	10
1981	*78*	25	12

Arrangement of wearstrips on the carryway (refer to option B in the sketch)

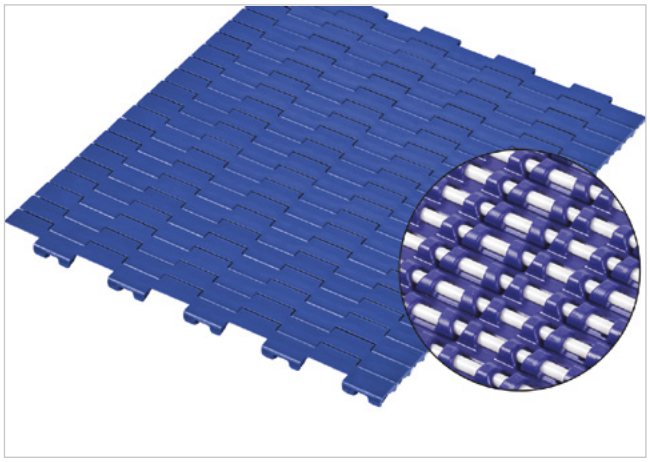
The distance l_w is equal or smaller 150 mm (depending on the load).

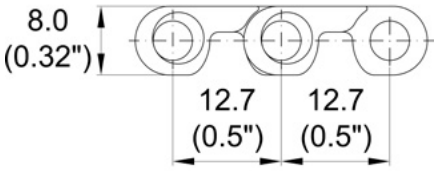
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
M1065 Flat Top 0.5" HyCLEAN

Description
- 0% open area
- Flat Top Surface, Solid plate
- Extra wide dynamic open hinge *(2" link pitch)*
- 77% rod exposure, superior cleanability
- Rod diameter 4.5 mm *(0.18")*
- Headless smart fit rod retaining system
- Knife edge (nosebar) diameter 12 mm *(0.47")*

Available accessories
- Saniclip





Belt data

Belt material		**POM**
Rod material		**PBT**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	4700 *322*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	5.7 *1.17*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
12	*0.50*	50	*2.00*	75	*3*

Standard range of belt widths b_0

mm (nom.)	254.0	304.8	457.2	558.8	660.4	762.0	etc.
inch (nom.)	*10*	*12*	*18*	*22*	*26*	*30*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments *2.0*" (50,8 mm). Non-standard widths are offered in increments of *1.0*" (25.4mm). Please check the correct sprocket position with your local contact. Smallest possible width *3.0*" (76.2 mm).

HabasitLINK®
Sprocket series M1000

Code addition design version (function) / New Generation

M	10	S	15	25	Q	6	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

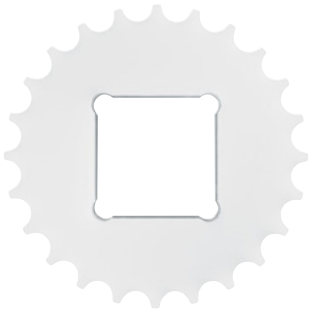
06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1 = Machined

Sprocket availability

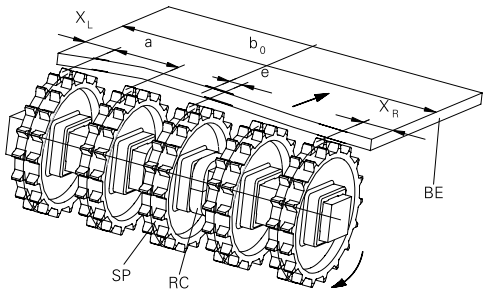
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	10	41.1	*1.6*	17.5	*0.69*	25	*1.00*			20	*0.75*	POM
S-C1	15	61.1	*2.4*	27.7	*1.09*	25	*1.00*	25	*1*	30	*1.25*	POM
S-C1	24	97.3	*3.8*	46.1	*1.81*	25	*1.00*	40	*1.5*	30	*1.25*	POM



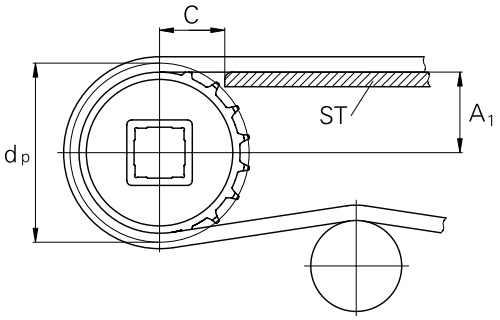
S: molded sprockets; S-C1: machined sprockets.
Other sprocket and hub sizes on request.

Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials are available on request.

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm *(1.1")*.

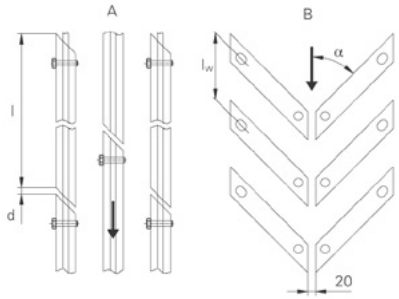
Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

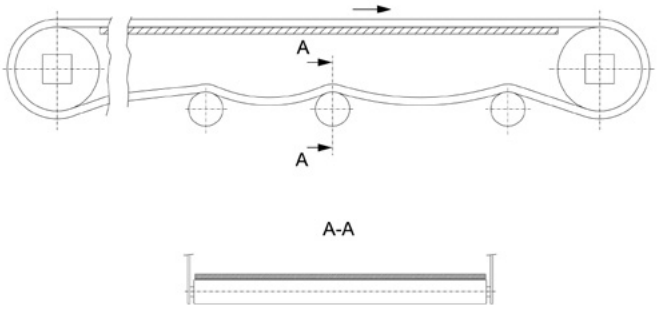
Sprocket positioning

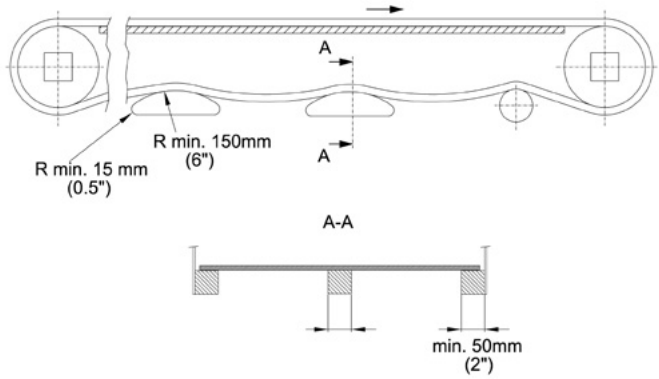
For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M1065	76.2	101.6	25	25	b_0 / 50.8	even number (2, 4 ...)	*0*	right or left side
	3	*6*	*1*	*1*	*b_0 / 2*	odd number (3, 5 ...)	*0*	right or left side



Support arrangement





Numbers of sprockets and wearstrips for M1065

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
203	*8*	2	3	2
254	*10*	2	3	2
305	*12*	2	3	2
356	*14*	3	4	3
406	*16*	3	4	3
457	*18*	3	4	3
508	*20*	5	5	3
559	*22*	5	5	3
610	*24*	5	5	3
660	*26*	5	6	4
711	*28*	7	6	4
762	*30*	7	6	4
813	*32*	7	7	4
864	*34*	9	7	4
914	*36*	9	7	4
965	*38*	9	8	5
1’016	*40*	9	8	5
1’067	*42*	11	8	5
1’118	*44*	11	9	5
1’168	*46*	11	9	5
1’219	*48*	11	9	5
1’270	*50*	13	10	6
1’321	*52*	13	10	6
1’372	*54*	13	10	6
1’422	*56*	15	11	6
1’473	*58*	15	11	6
1’524	*60*	15	11	6
1’575	*62*	15	12	7
1’626	*64*	17	12	7

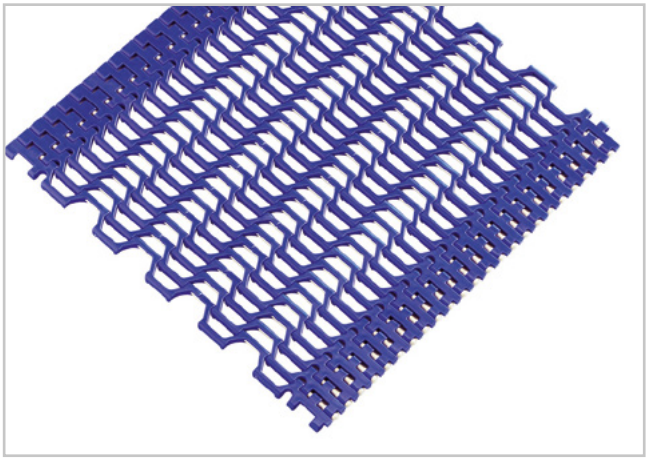
HabasitLINK®
M1185 Flush Grid 0.5"

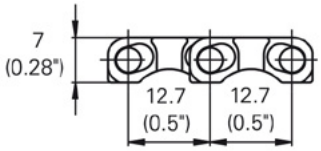
Description

- 47% open area; 84% open contact area
- Flush Grid Surface, largest opening 8x21mm *(0.3"x0.83")*
- Open hinge
- Rod diameter 3.6 mm *(0.14")*
- Smart Fit rod retention
- Knife edge (nosebar) diameter Ø 12.7 mm *(0.5")*

Available accessories

- Saniclip





Belt data

Belt material		PA	POM	
Rod material		**PA**		**PBT**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	4400 *301*	4400 *301*	4250 *291*
Temperature range	°C *°F*	-46 - 80 *-50 - 176*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Temperature maximum (short-term)	°C *°F*	160 *320*		
Belt weight m_B	kg/m² *lb/sqft*	3.3 *0.68*	3.6 *0.75*	3.6 *0.75*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
12	*0.50*	50	*2.00*	75	*3*	150	*6*

Diameter of idling rollers (min.): Minimum diameter for nosebar transfer.

Standard range of belt widths b_0

mm (nom.)	203	254	305	356	406	457	508	559	610	660	711	762	813	864	etc.
inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*24*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths in increments of 50.8 mm *(2")*. Non-standard widths are offered in increments of 12.7 mm *(0.5")*. Smallest possible width 177.8 mm *(7")*.

HabasitLINK®
Sprocket series M1100

Code addition design version (function) / New Generation

M	11	S	17	25	Q	8	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1 = Machined

Sprocket availability

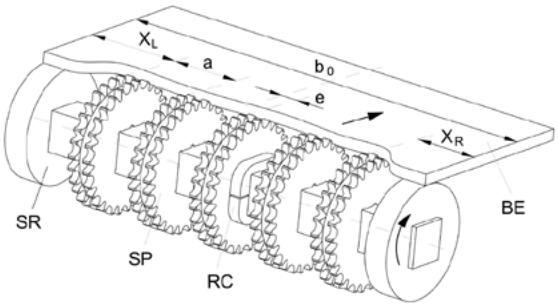
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	12	49.8	*2.0*	22.2	*0.87*	25	*0.98*		*1*	25	*1*	PA
S-C1	14	58.0	*2.3*	26.4	*1.04*	25	*0.98*		*1*	25	*¾ / 1*	PA
S-C1	17	70.2	*2.8*	32.6	*1.28*	25	*0.98*			25	*¾ / 1*	PA
S-C1	19	78.4	*3.1*	36.8	*1.45*	25	*0.98*				*1*	PA
S-C1	24	98.8	*3.9*	47.2	*1.86*	25	*0.98*	40	*1.5*	25	*1*	PA
S-C1	36	148.0	*5.8*	72.3	*2.85*	25	*0.98*	40 / 60	*1.5*		*1*	PA

Sprocket one-piece (solid)

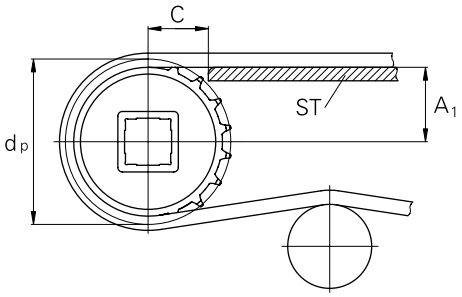
S-C1: machined sprockets. Other sprocket and hub sizes on request.

Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials are available on request.

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 14 mm *(0.55").*

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

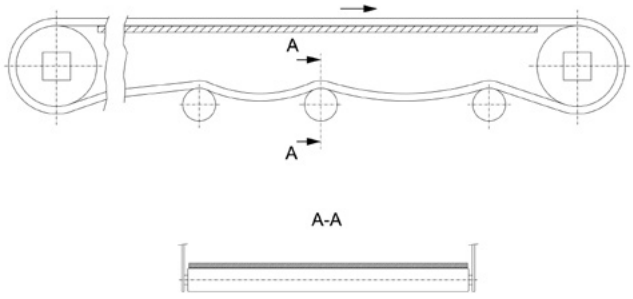
Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

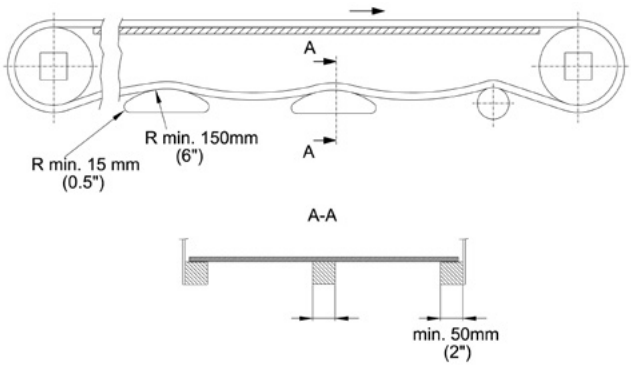
Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M1185	50,8 *2*	101.6 *4*	63,5 *2,5*	63,5 *2,5*	n.a.	n.a.	12,7 *0,5*	right or left side for all belt widths

In addition to the sprockets it is recommended to use support rollers at the belt edges on drive and idling side.
Distance of the center of the support roller to the belt edge: X_L and X_R
M1200 sprocket series are applicable with M1185 only in running direction (A).
See page with sprocket series M1200.

Support arrangement



For belt support rollers over entire belt width are preferred



Static shoes need to support the belt edge min. 40 mm *(1.5")*

Numbers of sprockets and wearstrips for M1185

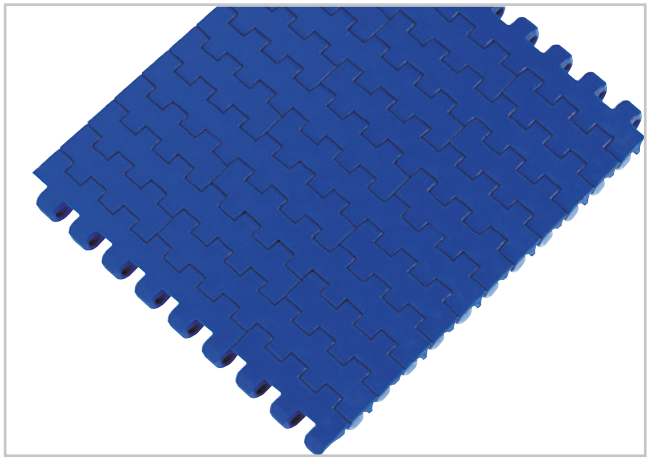
Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
203	*8*	2	3	2
254	*10*	2	3	2
305	*12*	2	3	2
356	*14*	3	4	3
406	*16*	3	4	3
457	*18*	3	4	3
508	*20*	5	5	3
559	*22*	5	5	3
610	*24*	5	5	3
660	*26*	5	6	4
711	*28*	7	6	4
762	*30*	7	6	4
813	*32*	7	7	4
864	*34*	9	7	4
914	*36*	9	7	4
965	*38*	9	8	5
1’016	*40*	9	8	5
1’067	*42*	11	8	5
1’118	*44*	11	9	5
1’168	*46*	11	9	5
1’219	*48*	11	9	5
1’270	*50*	13	10	6
1’321	*52*	13	10	6
1’372	*54*	13	10	6
1’422	*56*	15	11	6
1’473	*58*	15	11	6
1’524	*60*	15	11	6
1’575	*62*	15	12	7
1’626	*64*	17	12	7

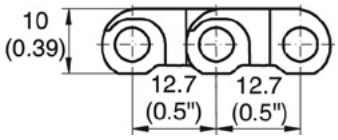
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
M1220 Flat Top 0.5"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Easy to clean, open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories
- Flights
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM		PP
Rod material		PE	PA	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	6000 *411*	18000 *1233*	16000 *1096*	11000 *754*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.2 *1.27*	8.7 *1.78*	8.7 *1.78*	5.8 *1.20*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*	250.0	*10*

Standard range of belt widths b_0

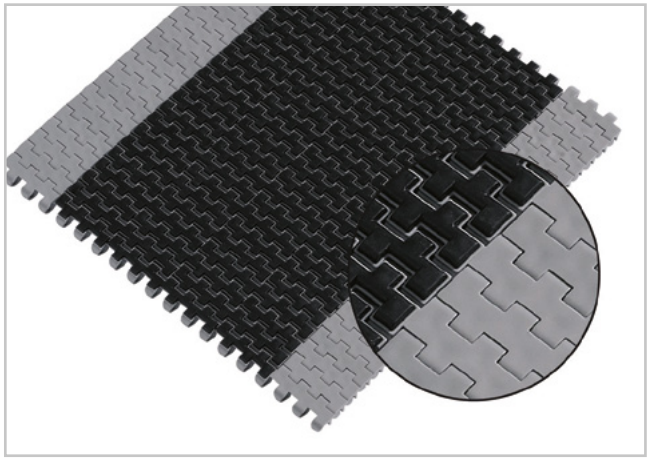
mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

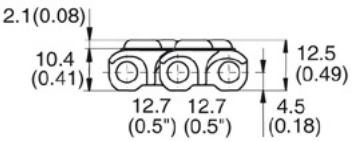
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For PP material up to 750 mm *(30")* -1 mm to 2 mm and 0% to 0.4% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.35% to 0.1% for wider belts
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm *(3.25")*. Non-bricklayed belts 50 mm *(2")* and 100 mm *(4")* wide.

HabasitLINK®
M1220 GripTop 0.5"

Description
- 0% open area
- Rubber Surface, Solid plate
- Abrasion resistant GripTop, high friction
- Available with or without indent 50 mm *(2")*
- Open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories
- Flights





Belt data

Belt material		**PP**	
GripTop material		**TPE**	
Rod material		**POM**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	9000 *617*	9000 *617*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	6.5 *1.33*	6.5 *1.33*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*

Standard range of belt widths b_0

mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -1 mm to 2 mm and 0% to 0.4% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm *(0.66")*. Min. width: 200 mm *(8")*

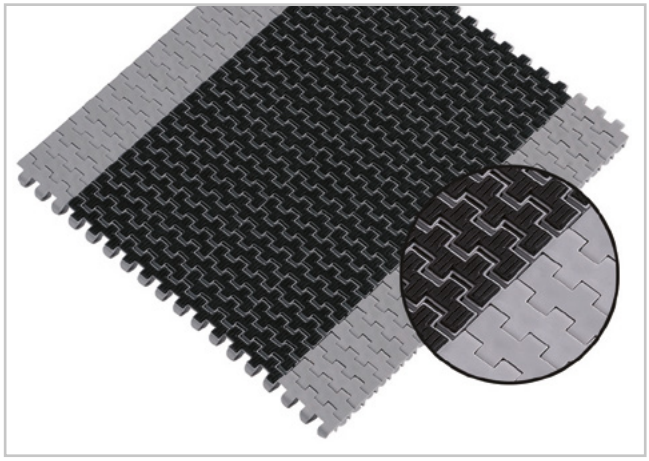
HabasitLINK®
M1220 HighGrip-L 0.5"

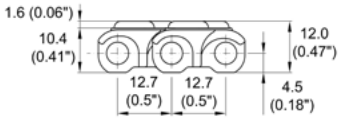
Description

- 0% open area
- Rubber Surface, Solid plate
- GripTop with grooved surface for high friction
- and less grip reduction by dirt and dust
- Indent 50 mm *(2")*
- Open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories

- Flights





Belt data

Belt material		PP	
GripTop material		TPE	
Rod material		POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	9000 *617*	9000 *617*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	6.5 *1.33*	6.5 *1.33*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*

Standard range of belt widths b_0

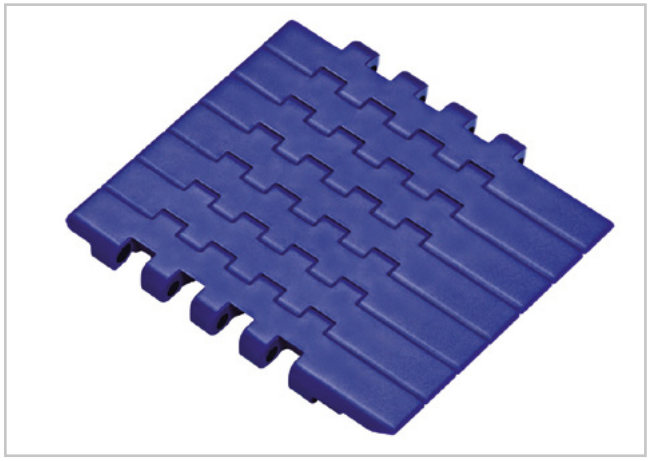
mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*etc.*

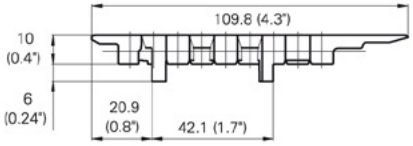
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -1 mm to 2 mm and 0% to 0.4% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm *(0.66")*. Min. width: 200 mm *(8")*

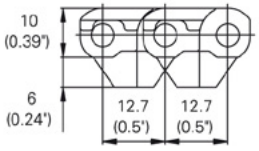
HabasitLINK®
M1220 ActivXchange 0.5"

Description

- 0% open area
- Solid plate, smooth with flush edges
- Open hinge
- Designed for 90° self clearing transfer
- Tracking tabs for belt guiding
- Rod diameter 4.5 mm *(0.18")*
- Smart Fit rod retaining headless







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M1220L03	POM+LF	PA	1900	428	0.91	0.61

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
25	*1.00*	50	*2.00*	75	*3*

Temperature range

Module material	Rod material	Temperature range	
POM +LF	PA	-40 °C to +93 °C	-40 °F to +200 °F

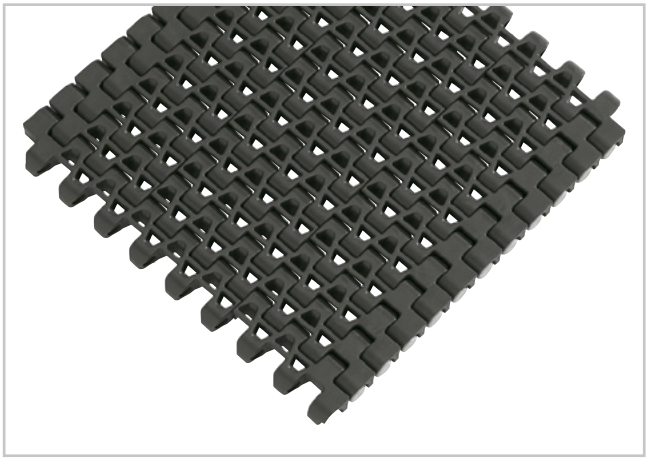
HabasitLINK®
M1230 Flush Grid 0.5"

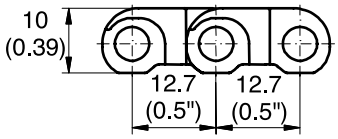
Description

- 18% open area; 70% open contact area;
- Flush Grid Surface, largest opening 5x3.3 mm *(0.2"x0.13")*
- Open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories

- GripTop modules





Belt data

Belt material		**PP**
Rod material		**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	11000 *753*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.4 *1.11*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*	250.0	*10*

Standard range of belt widths b_0

mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm *(0.66")*. Smallest possible width 83.4 mm *(3.25")*.

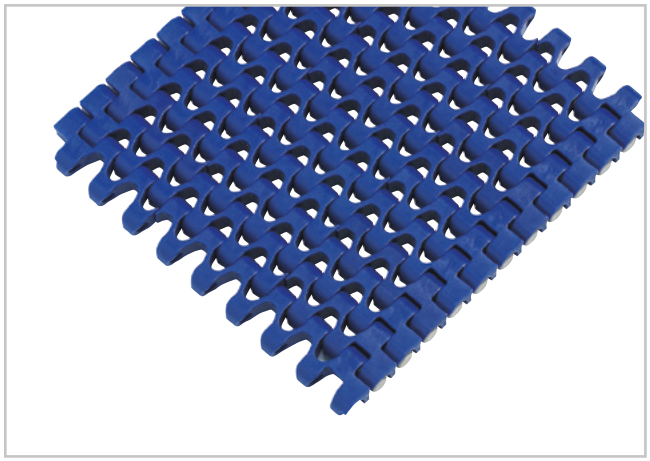
HabasitLINK®
M1233 Flush Grid 0.5"

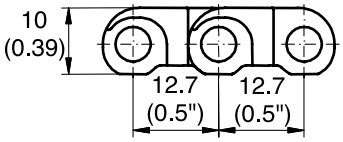
Description

- 25% open area; 70% open contact area
- Flush Grid Surface; largest opening 5x6 mm *(0.2"x0.25")*
- Open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories

- Flights
- GripTop modules





Belt data

Belt material		PE	POM			PP
Rod material		PE	PA	PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	7000 *480*	18000 *1233*	8000 *548*	16000 *1096*	11000 *750*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.4 *1.11*	7.2 *1.48*	7.2 *1.48*	7.2 *1.48*	5.2 *1.07*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*	250.0	*10*

Standard range of belt widths b_0

mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -2 mm to 1 mm and -0.3% to 0.1% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.5% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm *(0.66")*. Smallest possible width 83.4 mm *(3.25")*.

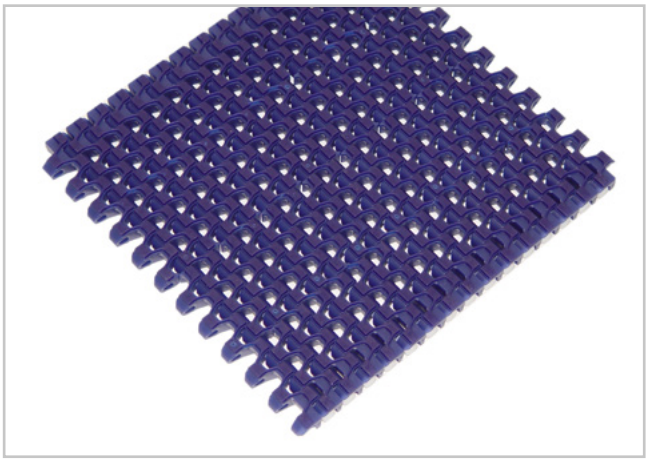
HabasitLINK®
M1233 Flush Grid GripTop 0.5"

Description

- 25% open area; 70% open contact area
- Rubber Surface; Flush Grid largest opening 5x6 mm *(0.2"x0.25")*
- Abrasion resistant GripTop, high friction
- Open hinge
- Recommended Knife edge (nosebar) diameter 18 mm *(0.71")*; 16 mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories

- Flights



Belt data

Belt material		**PP**
GripTop material		**TPE**
Rod material		**POM**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	9000 *617*
Temperature range	°C *°F*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	6.5 *1.33*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*	250.0	*10*

Standard range of belt widths b_0

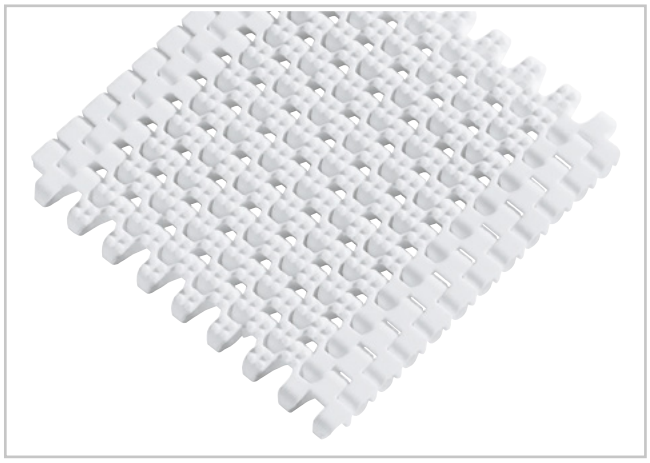
mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

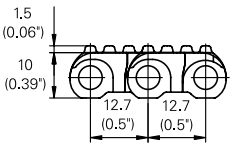
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 50 mm (2"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25").

HabasitLINK®
M1234 Nub Top Flush Grid 0.5"

Description
- 18 % open area
- Flush Grid with Nubs;
  largest opening 2.55 x 6 mm *(0.1"x0.25")*
- Open hinge
- Indent (nub-free edge) 25mm *(1")*
- Knife edge (nosebar) transfer recommended
  diameter 18mm *(0.71")*; 16mm *(0.63")* possible
- Rod diameter 5 mm *(0.2")*
- Snap fit rod retaining system

Available accessories
- Flights





Belt data

Belt material		PE	POM		PP
Rod material		**PE**	**PA**	**PP**	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	7000 *480*	18000 *1233*	16000 *1096*	11000 *753*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.9 *1.21*	8.2 *1.68*	8.2 *1.68*	5.6 *1.15*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*

Standard range of belt widths b_0

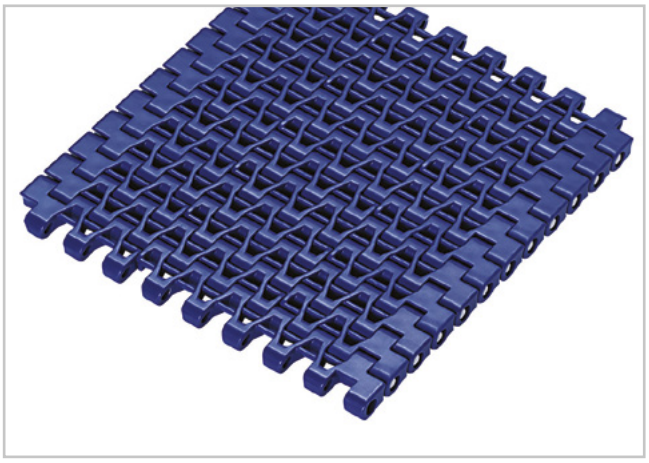
mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

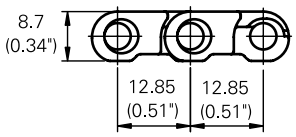
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 1 mm and -0.35% to 0.1% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 16.66 mm *(0.66")*. Smallest possible width 150 mm *(6")*.

HabasitLINK®
M1280 Flush Grid 0.5"

Description

- 18% open area; 83% open contact area
- Flush Grid Surface; largest opening 3.3 x 5.5 mm *(0.13"x0.21")*
- Open hinge
- Knife edge (nosebar) transfer recommended diameter 18mm *(0.71")*; 16mm *(0.63")* possible
- Rod diameter 4.5 mm *(0.18")*
- Headless Smart Fit rod retention





Belt data

Belt material		POM+LF	
Rod material		**PA**	**PBT**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21400 *1466*	17200 *1178*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.1 *1.45*	7.1 *1.45*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
18	*0.70*	50	*2.00*	75	*3*	150	*6*

Standard range of belt widths b_0

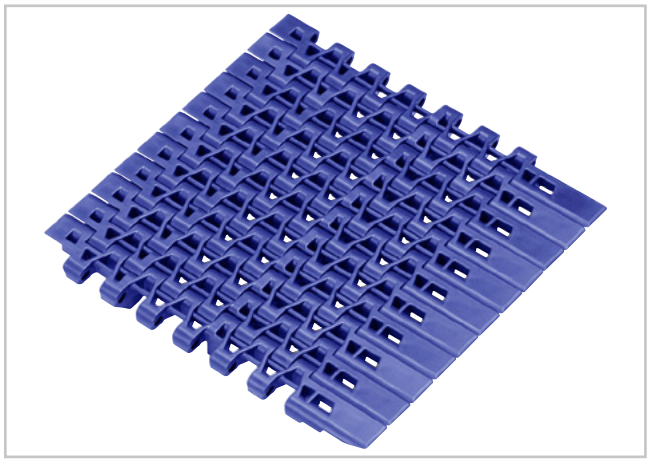
mm (nom.)	152.4	203.2	254.0	304.8	355.6	406.4	457.2	508.0	558.8	609.6	660.4	711.2	762.0	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*etc.*

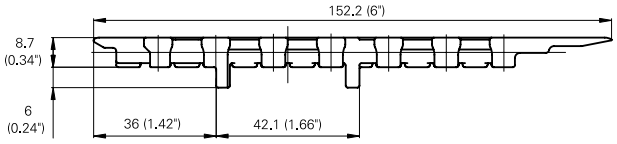
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of *2.0*" (50.8 mm). Non-standard widths are offered in increments of *0.67*" (16.9 mm). Smallest possible width *6.0*" (152.4 mm).

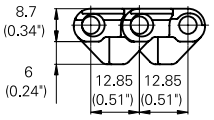
HabasitLINK®
M1280 ActivXchange 0.5"

Description

- 18% open area; 87% open contact area
- Flush Grid Surface; largest opening 3.3 x 5.5 mm *(0.13"x0.21")*
- Open hinge
- Rod diameter 4.5 mm *(0.18")*
- Smart Fit rod retaining headless
- Designed for 90° self clearing transfer
- Tracking tabs for belt guiding







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M1280L04	POM+LF	PA	2400	540	1.05	0.71

Actual belt widths are in most cases 0.1% to 0.3% smaller.

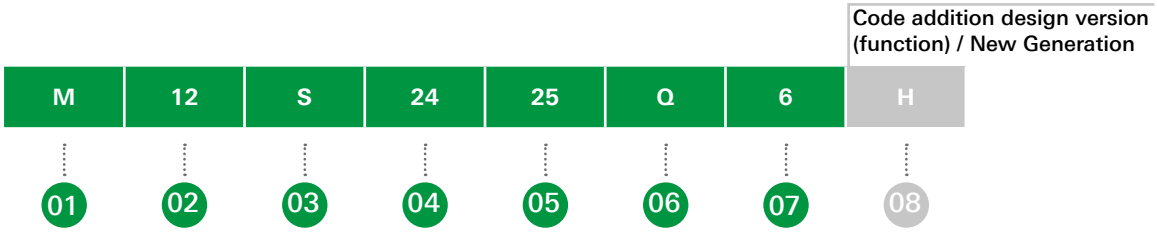
Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
25	*1.00*	50	*2.00*	75	*3*

For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.

Temperature range

Module material	Rod material	Temperature range	
POM +LF	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
Sprocket series M1200



01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 H for multihub sprockets

Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	10	41.2	*1.6*	16.8	*0.66*	30	*1.18*			20	*3/4*	POM
S	15	62.4	*2.5*	27.6	*1.09*	30	*1.18*	25	*1*	25	*1*	POM
S	19	78.8	*3.1*	35.9	*1.41*	30	*1.18*		*1.5*		*1*	POM
S	24	99.2	*3.9*	46.4	*1.83*	30	*1.18*	25 / 40	*1.5*	25	*1*	POM
S	28	116.5	*4.6*	55.2	*2.17*	30	*1.18*	40	*1.5*	25		POM
S	36	149.8	*5.9*	72.2	*2.84*	30	*1.18*	40 / 60	*1.5 / 2.5*			POM
Z	24	99.2	*3.9*	46.4	*1.83*	40	*1.57*	40				POM
Z-H	28	116.5	*4.6*	55.2	*2.17*	51	*2.00*	40	*1.5*		*13/16*	PA+GS
Z-H	36	149.8	*5.9*	72.2	*2.84*	51	*2.00*	40 / 60	*1.5 / 2.5*	50	*1 / 17/16*	PA+GS

S, Z: molded sprockets; Z-H: Multi-Hub sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.

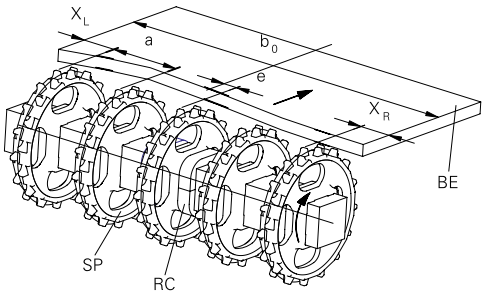


Sprocket one-piece ("open window")

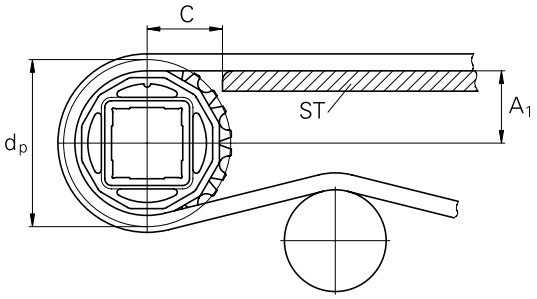


Split sprocket

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 14 mm (*0.55"*).

Wearstrips

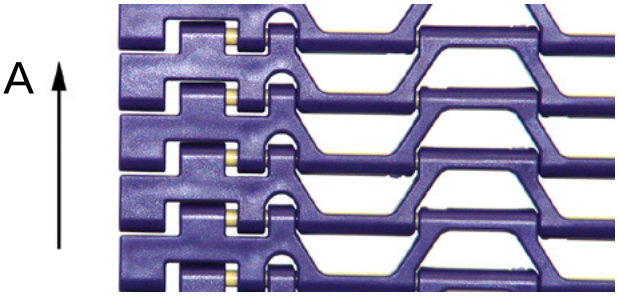
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

Sprocket positioning

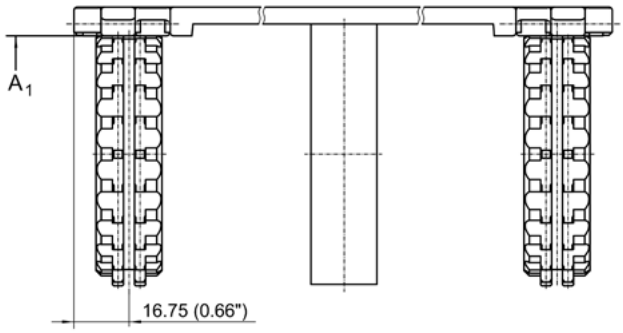
For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (minimal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M1185*	50,8 *2*	101.6 *4*	50.8 *2*	50.8 *2*	n.a.	n.a.	0 *0*	in running direction A only
M1200	*50* *2*	*100* *4*	25 *1*	25 *1*	n.a.	n.a.	0 *0*	no offset for all belt widths

* For POM and PA belts a maximal admissible load 70% is recommended.



M1200 sprocket series are applicable with M1185 only in running direction (A).



M1250 Sprockets (at belt edges) and support discs (in center) placement

Numbers of sprockets and wearstrips for series M1200

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2	2	2
200	*8*	2	2	2
250	*10*	3	3	2
300	*12*	3	3	2
350	*14*	3	4	3
400	*16*	3	4	3
450	*18*	5	5	3
500	*20*	5	5	3
550	*22*	5	6	4
600	*24*	5	6	4
700	*28*	7	7	4
800	*32*	7	7	4
900	*36*	9	8	5
1000	*40*	9	8	5
1100	*43*	11	9	5
1200	*47*	11	9	5
1300	*51*	13	10	6
1400	*55*	13	10	6
1600	*63*	15	11	6
1800	*71*	17	12	7
2000	*79*	19	13	7

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M1185

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
203	*8*	2	3	2
254	*10*	2	3	2
305	*12*	2	3	2
356	*14*	3	4	3
406	*16*	3	4	3
457	*18*	3	4	3
508	*20*	5	5	3
559	*22*	5	5	3
610	*24*	5	5	3
660	*26*	5	6	4
711	*28*	7	6	4
762	*30*	7	6	4
813	*32*	7	7	4
864	*34*	9	7	4
914	*36*	9	7	4
965	*38*	9	8	5
1'016	*40*	9	8	5
1'067	*42*	11	8	5
1'118	*44*	11	9	5
1'168	*46*	11	9	5
1'219	*48*	11	9	5
1'270	*50*	13	10	6
1'321	*52*	13	10	6
1'372	*54*	13	10	6
1'422	*56*	15	11	6
1'473	*58*	15	11	6
1'524	*60*	15	11	6
1'575	*62*	15	12	7
1'626	*64*	17	12	7

Numbers of sprockets and wearstrips for M1220 ActivXchange 0.5"

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
109.8	*4.3*	1	1	2	2

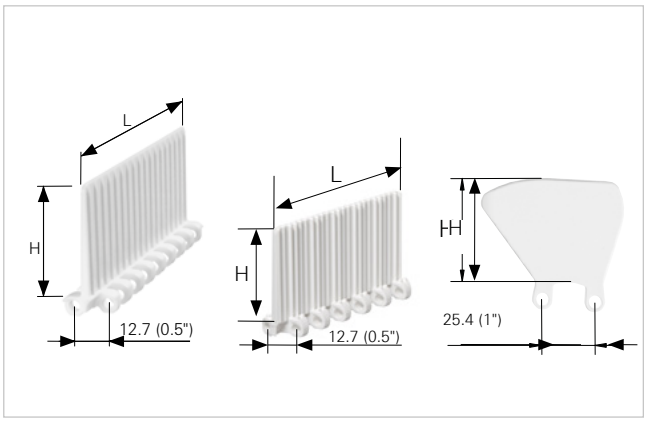
Numbers of sprockets and wearstrips for M1280 ActivXchange 0.5"

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152.2	*6.0*	2	1	2	2

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M1200

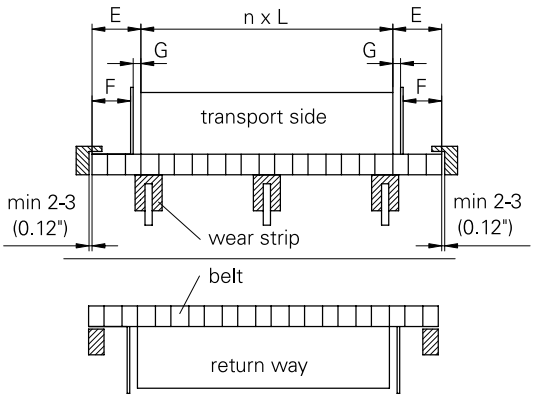
Flights and side guards M1200
modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt. Flight modules are designed with ribs on one or both sides (no-cling) for improved release of wet or sticky food products and can also be cut to nonstandard heights. The flights fit all series M1200 belts exept M1230, M1250, side guards fit to M1220 only.



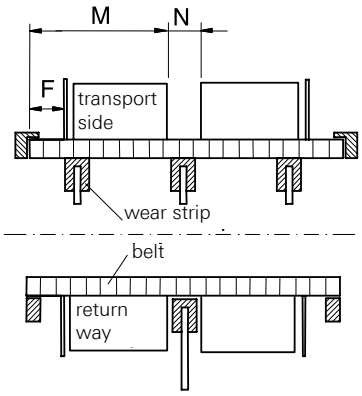
M1220F05 M1234F05 M1220G05

	Flight straight ribs on one side		Flight straight ribs on both sides		Side guards
Code	M1220F05		M1234F05		
height H lenght L	H	L	H	L	H
mm *inch*	50 *2*	150 *6*	50 *2*	100 *4*	50 *2*

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators).
On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).

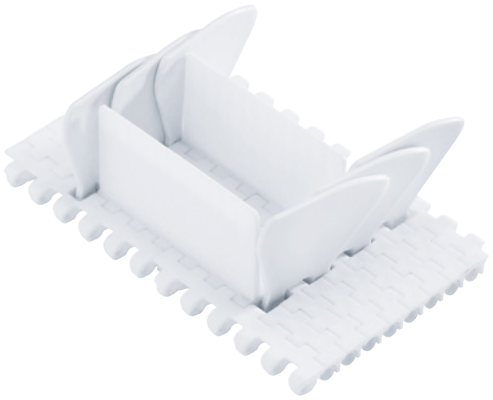


Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on their return way or in backbending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 16.67 mm *(0.66")*. For M1200 series the minimum notch width is 33.3 mm *(1.31")*.



Installation of flights and side guards; indents
The side guards have a pitch of 25.4 mm *(1")*, that is twice the module pitch. Therefore only one link per module needs to be cut for the side guard installation. This special solution provides higher strength. The smallest applicable sprocket size is M12S15 (15 teeth). The distance E_1 between the flight end and the hold-down and support-shoes/wear strips should not be smaller than 5 mm *(0.2")*.

	Possible flight indents E									
	Flight only		Flight + side guard with gap (G ~8 mm *(0.3")*				Flight + side guard without gap (G ~2 mm *(0.08")*			
	E		E		F		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	**0**	*0*	–	–	–	–	–	–	–	–
Module cutting necessary	33	*1.3*	–	–	–	–	33	*1.3*	25	*1*
Standard, no module cutting	**50**	*2*	**50**	*2*	33	*1.3*	**50**	*2*	41	*1.6*
Module cutting necessary	66	*2.6*	66	*2.6*	50	*2*	66	*2.6*	58	*2.3*
Module cutting necessary	83	*3.2*	83	*3.2*	66	*2.6*	83	*3.2*	75	*3*
Standard, no module cutting	**100**	*4*	**100**	*4*	83	*3.2*	**100**	*4*	93	*3.7*



M1220G05/F05
Double pitch side guard, fixed every second module row

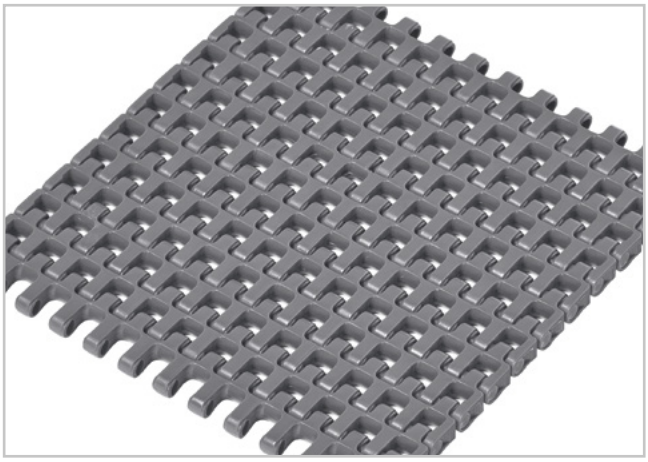
HabasitLINK®
SM605 Smooth Mesh 0.5"

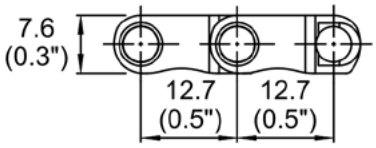
Description

- 22% open area; 67% open contact area;
- Flush Grid Surface, largest opening 8.1x3.6 mm *(0.32"x0.14")*
- Closed hinge
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75")*
- Rod diameter 4.4 mm *(0.172")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Side guards
- Rollers
- GripTop inserts
- Saniclip
- Pop-up flights





Belt data

Belt material		PA	PA+HN	PE	POM	PP
Rod material		PP	PA+GF	PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20431 *1400*	10945 *750*	7005 *480*	20431 *1400*	11675 *800*
Temperature range	°C *°F*	5 - 105 *40 - 220*	-40 - 170 *-40 - 338*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Temperature maximum (short-term)	°C *°F*		*200* *392*			
Belt weight m_B	kg/m² *lb/sqft*	5.2 *1.06*	5.2 *1.06*	4.4 *0.91*	6.1 *1.25*	4.2 *0.86*
Standard belt color		gray	maroon	white	blue/white	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
19	0.75

Standard range of belt widths in increments of *1*" (25.4mm) starting from *2*" (50.8mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

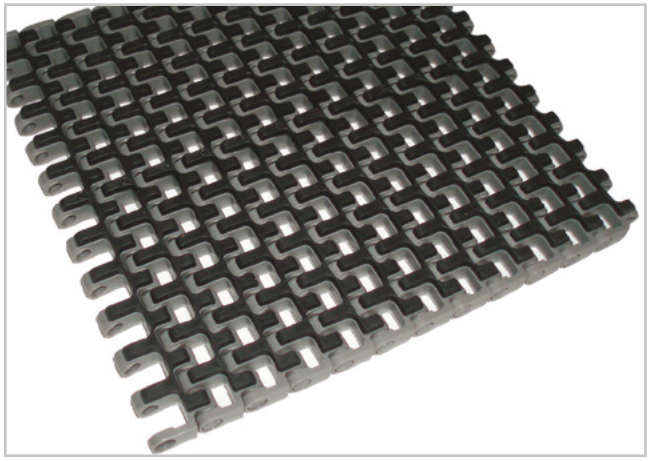
HabasitLINK®
SM605 GripTop 0.5"

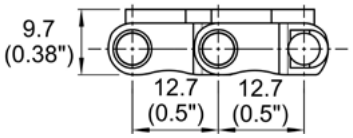
Description

- 22% open area; 78% open contact area;
- Rubber surface, Flush Grid, largest opening 8.1 x 3.6 mm *(0.32"X.14")*
- Closed hinge
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75")*
- Rod diameter 4.4 mm *(0.172")*
- Snap fit rod retaining system

Available accessories

- Flights
- Side guards
- Saniclip





Belt data

Belt material		**PP**
GripTop material		**TPE**
Rod material		**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	11675 *800*
Temperature range	°C *°F*	5 - 71 *40 - 160*
Belt weight m_B	kg/m² *lb/sqft*	4.8 *1.00*
Standard belt color		white with white TPE, gray with black TPE

Diameter of idling rollers (minimum)	
mm	*inch*
19	0.75

Standard range of belt widths in increments of *1*" (25.4mm) starting from *2*" (50.8mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

Abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
CM605 Curve Mesh 0.5"

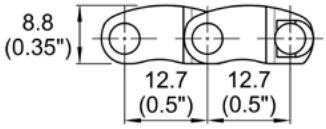
Description

- 22% open area; 88% open contact area;
- Curve Mesh Surface, largest opening 8.1x3.6 mm *(0.32"x0.14")*
- Closed hinge
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75")*;
- Belt creates circle for scraping with Recommended nosebar
- Rod diameter 4.4 mm *(0.172")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Grip top
- Saniclip





Belt data

Belt material		POM	PP
Rod material		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20431 *1400*	11675 *800*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.3 *1.30*	4.4 *0.91*
Standard belt color		blue/white	gray

Diameter of idling rollers (minimum)	
mm	*inch*
19	0.75

Standard range of belt widths in increments of *1*" (25.4mm) starting from *2*" (50.8mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

Abrasive resistant Nylon (Polyamide) rods available.
*Indicated value for stiff products only. Softer products can have less open contact area.

HabasitLINK®
Spocket series SM605 / CM605

M	M5	S	19	03	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

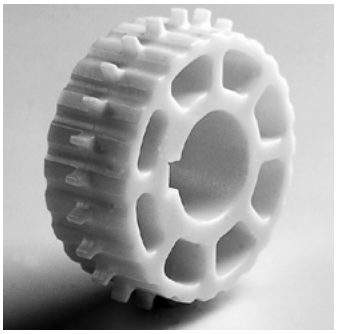
03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

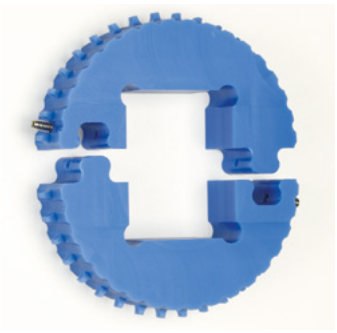
07 Material: 3 = UHMW; 8 = PA



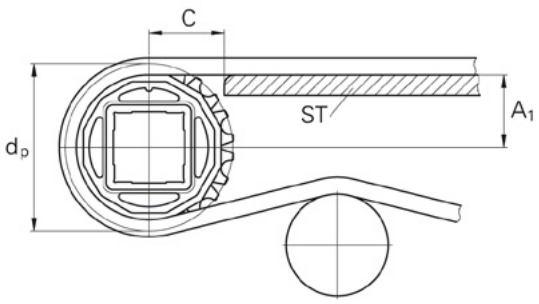
Molded sprocket



Machined sprocket



Puzzle split sprocket



The distance **C** between the sprocket axis
and the slider support **ST** is minimal 14mm *(0.55")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
MM5S	19	77	*3,04*	35	*1,37*	38	*1,5*	25	*1*	20 / 25 / 30	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
MM5S	28	114	*4,47*	53	*2,09*	38	*1,5*	25 / 40	*1 / 1.5 / 2*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE

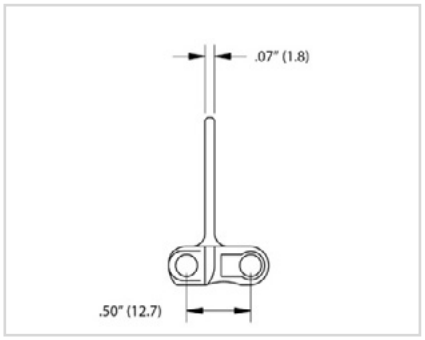
Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
70512M-WN-1	12	49,1	*1,93*	20,7	*0,82*	38	*1,5*				*1*	PA
70512M-WN-20MM	12	49,1	*1,93*	20,7	*0,82*	38	*1,5*			20		PA
70512M-WN-3/4	12	49,1	*1,93*	20,7	*0,82*	38	*1,5*				*0,75*	PA
70515M-WN-1	15	61,1	*2,40*	26,7	*1,05*	38	*1,5*				*1*	PA
70515M-WN-1-7/16	15	61,1	*2,40*	26,7	*1,05*	38	*1,5*				*1-7/16*	PA
70515M-WN-1SQ	15	61,1	*2,40*	26,7	*1,05*	38	*1,5*		*1*			PA
70515M-WN-25MM	15	61,1	*2,40*	26,7	*1,05*	38	*1,5*			25		PA
70515M-WN-25MMSQ	15	61,1	*2,40*	26,7	*1,05*	38	*1,5*	25				PA
70524M-WN-1	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*				*1*	PA
70524M-WN-1-1/2SQ	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*		*1,5*			PA
70524M-WN-1-7/16	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*				*1-7/16*	PA
70524M-WN-25MM	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*			25		PA
70524M-WN-30MM	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*			30		PA
70524M-WN-40MMSQ	24	97,3	*3,83*	44,8	*1,77*	38	*1,5*	40				PA
70528MS-WN-1-1/2SQ *	28	113,4	*4,47*	52,9	*2,08*	38	*1,5*		*1,5*			PA
70536MS-WN-1-1/2SQ *	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*		*1,5*			PA
70536M-WN-1	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*				*1*	PA
70536M-WN-1-1/2SQ	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*		*1,5*			PA
70536M-WN-1-7/16	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*				*1-7/16*	PA
70536M-WN-2SQ	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*		*2*			PA
70536M-WN-30MM	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*			30		PA
70536M-WN-40MMSQ	36	145,7	*5,74*	69,0	*2,72*	38	*1,5*	40				PA

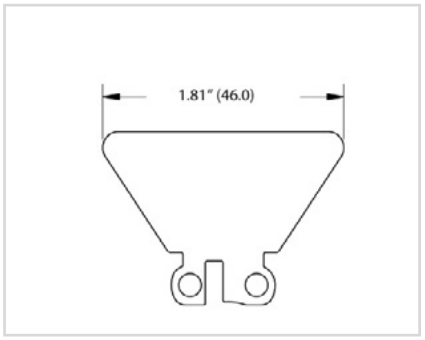
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.
* - Split sprocket

HabasitLINK®
Accessories for series SM605

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.



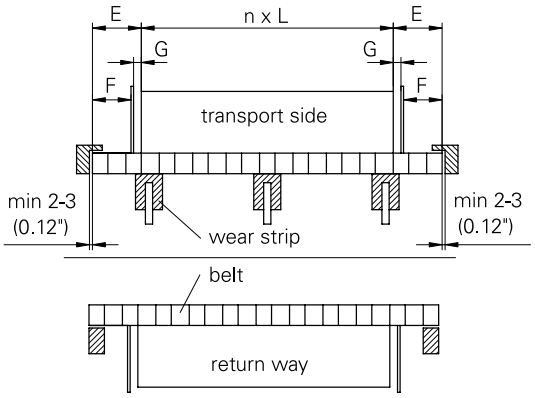
SM605XX-W/FT



SM/SG605

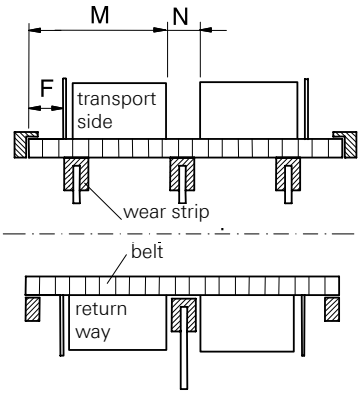
	Flight straight		Side guard
Code	SM605XX-W/FT		SM/SG605
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	152 *6*	25.4 *1*

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24*") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (*0.5*"). For SM/CM series the minimum notch width is 25.4 mm (*1*").



Installation of flights and side guards; indents

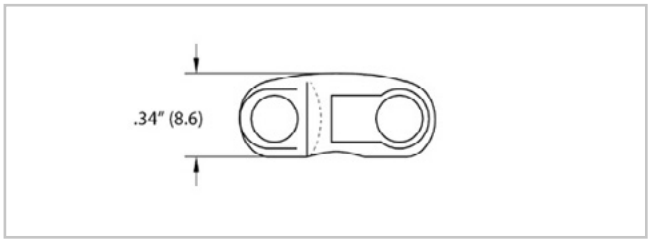
The side guards are usually installed with a gap (G) between the side guards and the flights. It is also possible to install the side guards with a minimum gap between flight and side guard of approx. 2 mm (*0.08*"). There is a certain risk for rubbing and abrasion between the flights and the side guards. The distance between the side guards and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (*0.2*").

	Possible flight indent E					
	Flight only		*Flight + side guard with gap (G˜ 6 mm (0.25")			
	E		E		F	
	mm	inch	mm	inch	mm	inch
Flight over full belt width	0	-	-	-	-	-
**Standard, no module cutting	25.4	1	25.4	1	12.4	0.5
Module cutting necessary	38.1	1.5	38.1	1.5	25.4	1
Standard, no module cutting	50.8	2	50.8	2	38.1	1.5
Module cutting necessary	63.5	2.5	63.5	2.5	50.8	2
Module cutting necessary	76.2	3	76.2	3	63.5	2.5

Tab. 2 Flights and Side Guard SM605
*CM605: Side Guards not possible with CM605 belting
**Molded flight with *1*" indent available

GripTop insert modules

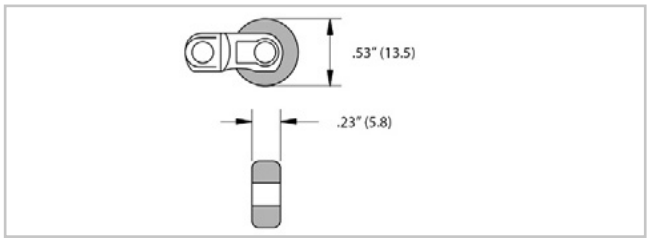
CM GripTop inserts are preferably used with SM belts. Since they are molded in TPE material it does affect the belt pull.



CM605XXHF
SM605XXHF

Rollers

Rollers provide a low friction to product and are often used if products get accumulated on the belt.

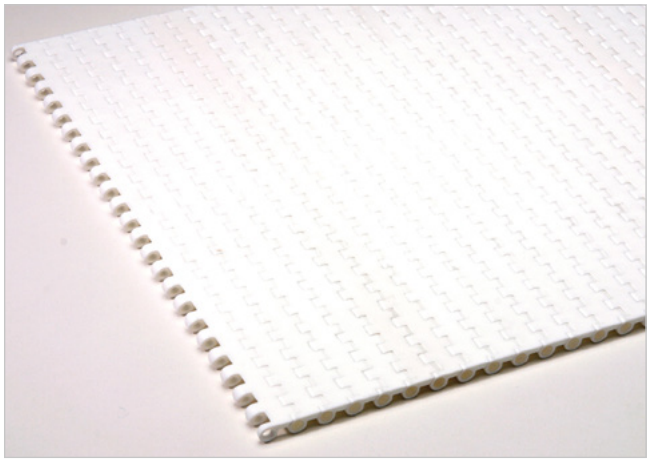


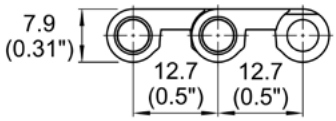
ROLLERS-XX-1/2

HabasitLINK®
HDS605 Flat Top 0.5"

Description

- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75");*
- Rod diameter 4.4 mm *(0.172")*
- Snap fit rod retaining system
- Food approved materials available





Belt data

Belt material		PE	POM	PP
Rod material		PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	5838 *400*	14594 *1000*	7297 *500*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.9 *1.00*	5.9 *1.20*	4.4 *0.90*
Standard belt color		white	blue/white	white

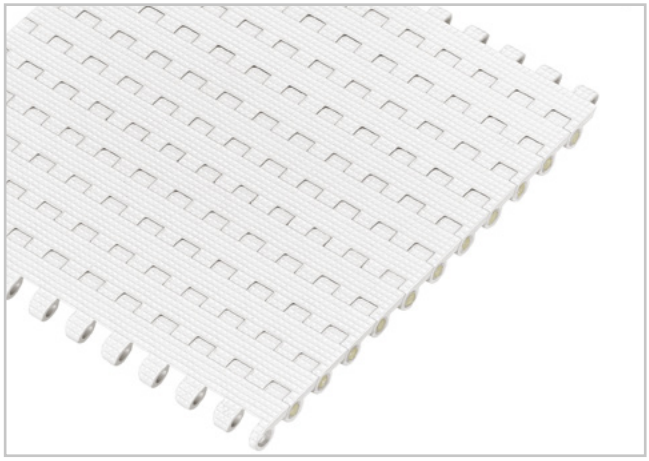
Standard range of belt widths in increments of *1*" (25.4mm) starting from *5*" (127mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

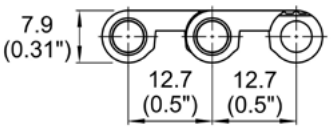
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
HDS605 Texture Top 0.5"

Description

- 0% open area
- Negative Pyramid, Solid plate
- Closed hinge
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75");*
- Rod diameter 4.4 mm *(0.172")*
- Snap fit rod retaining system
- Food approved materials available





Belt data

Belt material		PE	POM	PP
Rod material		PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	5838 *400*	14594 *1000*	7297 *500*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.9 *1.00*	5.9 *1.20*	4.4 *0.90*
Standard belt color		white	blue/white	white

Standard range of belt widths in increments of *1*" (25.4mm) starting from *5*" (127mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Spocket series HDS605 FT and HDS605 TT

M	H5	S	12	20	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

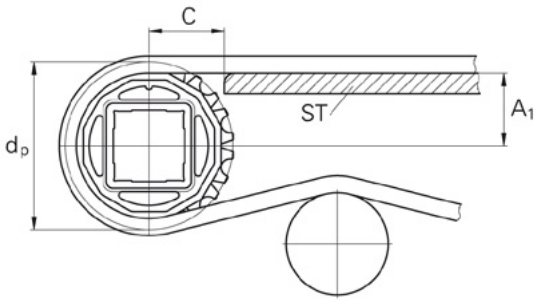
04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA





The distance **C** between the sprocket axis and the slider support **ST** is minimal 14mm *(0.55")*

Machined Sprockets Availability

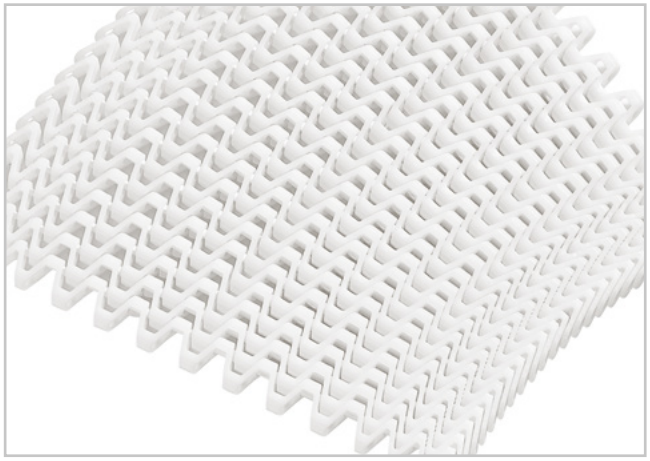
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MH5S	12	49,1	*1,93*	20,6	*0,81*	25	*1,00*			20 / 25 / 30	*0.50 / 0.75 / 1*	PE
MH5S	15	61,1	*2,40*	26,6	*1,05*	25	*1,00*			20 / 25 / 30	*0.50 / 0.75 / 1 / 1.25 / 1-7/16*	PE
MH5S	20	81,2	*3,20*	36,7	*1,44*	25	*1,00*		*1*	20 / 25 / 30	*0.50 / 0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
MH5S	36	145,7	*5,74*	68,9	*2,71*	25	*1,00*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1.25 /1.5 / 1-7/16 / 1-15/16 / 2*	PE

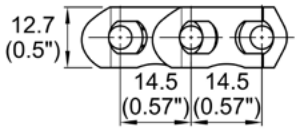
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
RS511 Tight Turn Radius Flush Grid 0.5"

Description

- 35% open area; 70% open contact area;
- Flush Grid Surface; largest opening 8.5x6.3 mm *(0.33"x0.25")*
- For radius and straight conveying
- Nominal collapse factor: 1.1
- Open hinge, Easy to clean
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75")*;
- Rod diameter 4.8 mm *(0.188")*
- Smart Pin rod retaining system
- Food approved materials available





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2190 *150*
Nominal tensile strength F_N in curve (1)	N *lbf*	667 *150*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	6.9 *1.41*
Standard belt color		blue/white

Diameter of idling rollers (minimum)	
mm	*inch*
19	0.75

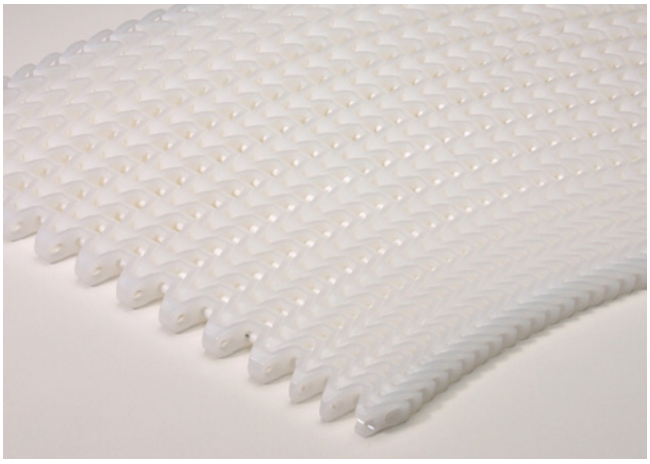
Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm) Maximum recommended belt width is *36*" (914.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

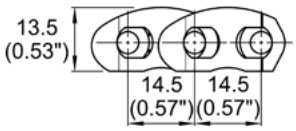
Belts wider greater than 30" requires a steel floater every fourth pitcher.

HabasitLINK®
RS515 Tight Turn Radius Curve Top 0.5"

Description

- 35% open area; 94% open contact area;
- Curve Mesh Surface; largest opening 8.5x6.3 mm *(0.33"x0.25")*
- For radius and straight conveying
- Nominal collapse factor: 1.1
- Open hinge, Easy to clean
- Recommended Knife edge (nosebar) diameter 19.1 mm *(0.75")*
- Belt creates circle for scraping with recommended nosebar
- Rod diameter 4.8 mm *(0.188")*
- Smart Pin rod retaining system
- Food approved materials available





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	2190 *150*
Nominal tensile strength F_N in curve [1]	N *lbf*	667 *150*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.2 *1.47*
Standard belt color		blue/white

Diameter of idling rollers (minimum)	
mm	*inch*
19	0.75

Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm) Maximum recommended belt width is *36*" (914.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

Belts wider greater than 30" requires a steel floater every fourth pitcher.

HabasitLINK®
Spocket series RS511/RS515

M	05	S	15	40	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

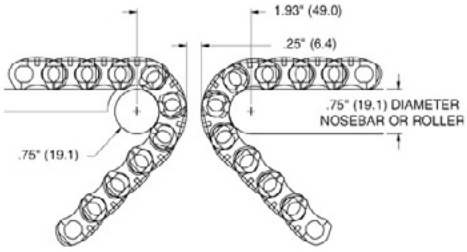
04 Number of teeth

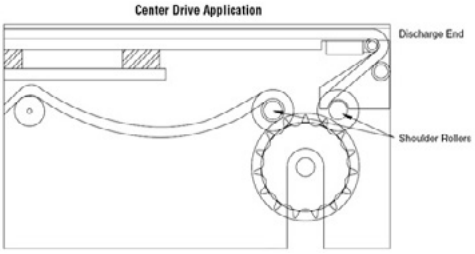
05 Shaft size (code)

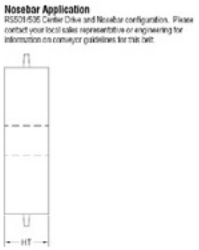
06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA









Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M05S	15	135,6	*5,34*	9,5	*0,38*	38	*1,50*	40 / 60	*1 / 1.5 / 2.5*	30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PA

Do not use sprockets smaller than 11 tooth, 4.0" (101.6 mm), as drive sprockets.
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined UHMW sprockets are also available.
Shoulder rollers required at both ends of drive shaft to capture belt for optimum sprocket engagemnet and belt support at the belt edges where no sprocket path exists.

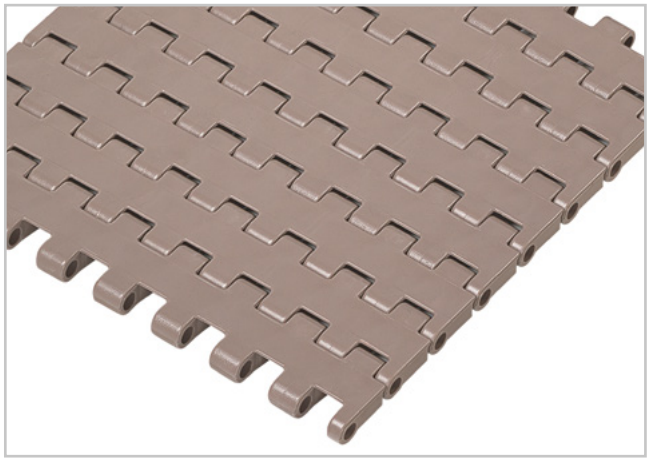
HabasitLINK®
106 Flat Top 0.75"

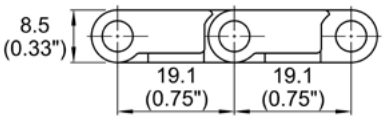
Description

- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Side guards
- Hold down tabs
- Rough top





Belt data

Belt material		POM+LF	POM	PP
Rod material		PP		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10989 *753*	10989 *753*	5487 *376*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.8 *1.40*	6.8 *1.40*	4.9 *1.00*
Standard belt color		brown	gray/white	gray

Diameter of idling rollers (minimum)	
mm	*inch*
31	*1.20*

Standard range of belt widths in increments of *0.75*" (19.1mm) starting from *3*" (76.2mm"). Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
106 10 Mesh Top 0.75"

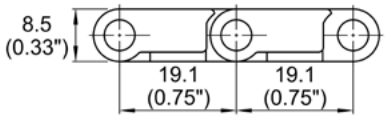
Description

- 10% open area; 34% open contact area;
- Mesh Top Surface; largest opening 8.5x1.3 mm *(0.33"x0.05")*
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Side guards
- Hold down tabs
- Rough top





Belt data

Belt material		POM U	PP
Rod material		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	*10989* *753*	*5487* *376*
Temperature range	°C *°F*	5 - 93 40 - 200	5 - 105 40 - 220
Belt weight m_B	kg/m² *lb/sqft*	6.4 1.30	4.7 0.96
Standard belt color		green	gray

Diameter of idling rollers (minimum)	
mm	*inch*
31	1.20

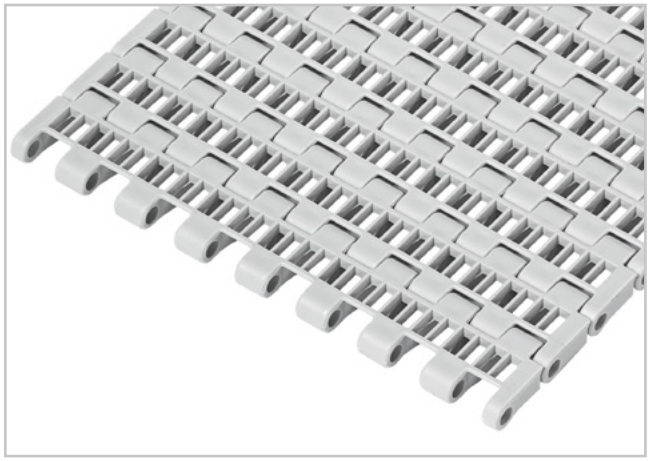
Standard range of belt widths in increments of *0.75*" (19.1mm) starting from 3" (76.2mm"). Material selection may affect belt width — please contact your local partner for actual dimensions.

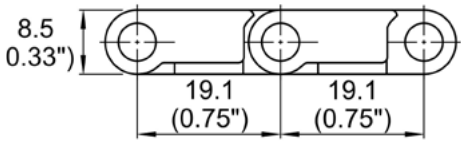
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
106 22 Flush Grid 0.75"

Description
- 22% open area; 46% open contact area
- Mesh Top Surface; largest opening 8.5x2.7 mm *(0.33"x0.11")*
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards
- Hold down tabs
- Rough top





Belt data

Belt material		POM+LF	PP
Rod material		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10989 *753*	5487 *376*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.8 *1.19*	4.1 *0.84*
Standard belt color		brown	gray

Diameter of idling rollers (minimum)	
mm	*inch*
31	1.20

Standard range of belt widths in increments of *0.75*" (19.1mm) starting from *3*" (76.2mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

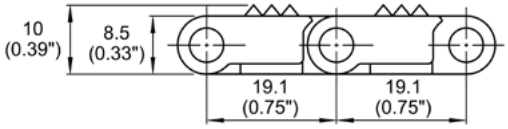
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
106 Rough Top 0.75"

Description
- 0% open area
- Positive Pyramid, Solid plate
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards
- Hold down tabs





Belt dataf

Belt material		PP
Rod material		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	5487 *376*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.9 *1.00*
Standard belt color		gray

Diameter of idling rollers (minimum)	
mm	*inch*
31	1.20

Standard range of belt widths in increments of *0.75*" (19.1mm) starting from *3*" (76.2mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Sprocket series
106 FT / 106 10 / 106 22 / 106 RT

M	06	S	07	20	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

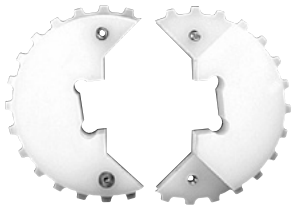
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

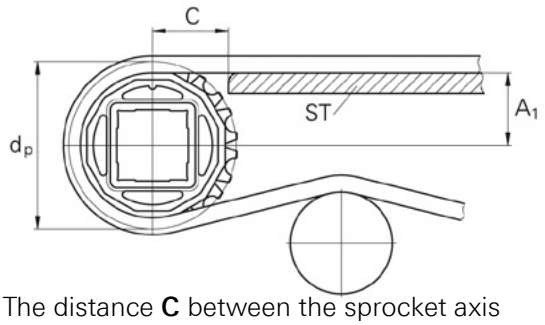
07 Material: 3 = UHMW; 8 = PA



Machined sprocket



Machined split sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 21mm *(0.83")*

Machined Sprockets Availability

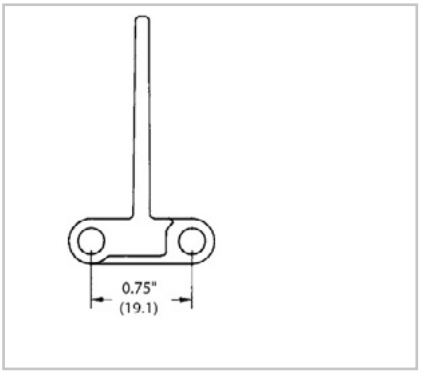
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M06S	7	43,9	*1,73*	17,8	*0,70*	25	*1,00*			20	*0,75*	PE
M06S	10	61,6	*2,43*	26,6	*1,05*	25	*1,00*	25	*1*	20 / 25 / 30	*0.75 / 1 / 1.25*	PE
M06S	14	85,6	*3,37*	38,6	*1,52*	25	*1,00*	25 / 40	*1 / 1.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M06S	16	97,6	*3,84*	44,6	*1,76*	25	*1,00*	25 / 40	*1 / 1.5 / 2 / 2.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M06S	24	145,9	*5,75*	68,8	*2,71*	25	*1,00*	25 / 40	*1 / 1.5 / 2 / 2.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M06Z	24	145,9	*5,75*	68,8	*2,71*	25	*1,00*	25 / 40	*1 / 1.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M06S	25	152,0	*5,98*	71,8	*2,83*	25	*1,00*	25 / 40	*1 / 1.5 / 2 / 2.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M06Z	25	152,0	*5,98*	71,8	*2,83*	25	*1,00*	25 / 40	*1 / 1.5*	20 / 25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE

Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

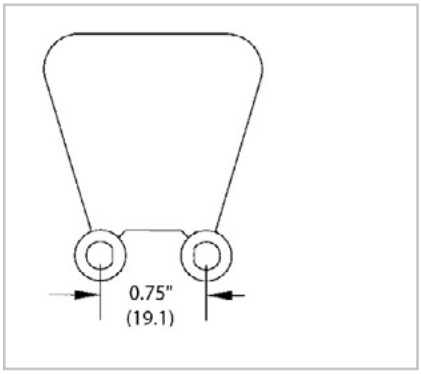
HabasitLINK®
Accessories for series 106

Flights and side guards for series 106 FT, 106 10, 106 22, 106 RT

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.



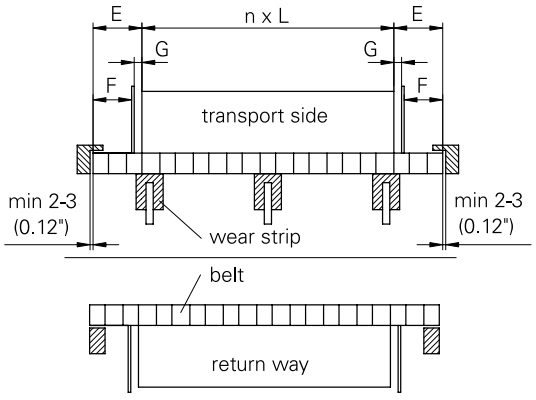
10607XXXX-W/FT



106/SG

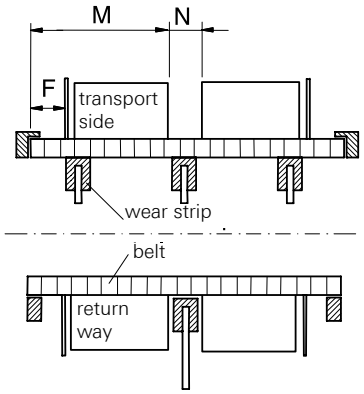
	Flight straight		Side guard
Code	10607XXXX-W/FT		106/SG
Height H, Length L	H	L	H
mm *inch*	38.1 *1.5*	152.4 *6*	25.4 *1*
mm *inch*	76.2 *3*	152.4 *6*	38.1 *1.5*

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24"*) on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 19.1 mm (*0.75"*). For 106 series the minimum notch width is 38.1 mm (*1.5"*).



Installation of flights and side guards; indents

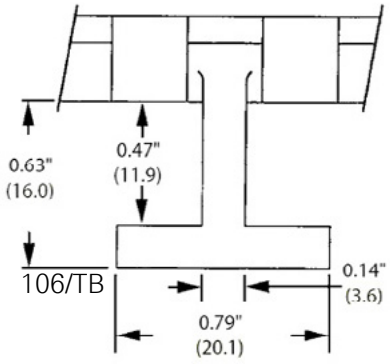
The side guards are usually installed with a small gap between the side guards and the flights. The distance between the side guards and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (*0.2"*).

	Possible flight indent E					
	Flight only		*Flight + side guard with gap (G~ 6 mm (0.25")			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
*Module cutting necessary	25.4	*1*	25.4	*1*	12.4	*0.5*
Module cutting necessary	38.1	*1.5*	38.1	*1.5*	25.4	*1*
Module cutting necessary	57.2	*2.25*	57.2	*2.25*	44.5	*1.75*
Module cutting necessary	76.2	*3*	76.2	*3*	63.5	*2.5*
Module cutting necessary	95.3	*3.75*	95.3	*3.75*	82.6	*3.25*

Flights and Side Guard 106 FT, 106 10%, 106 22%, 106 RT,
*Flight required milled cut for this indent

Hold down tab modules

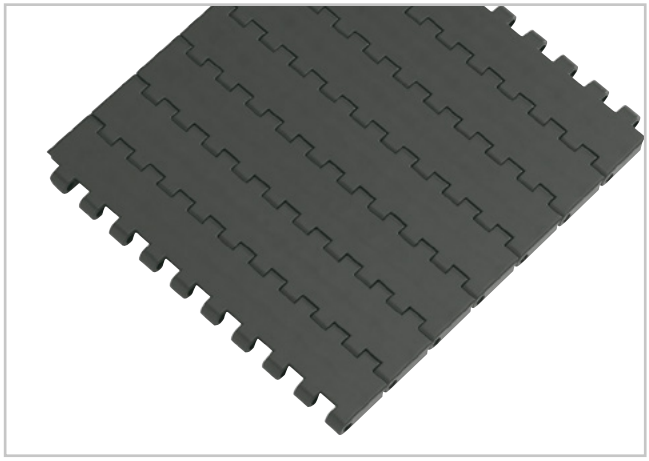
For elevators with back-bending (Z-conveyors) holddown devices are used to keep the belt down when it is changing from horizontal to inclined direction. For wide belts (i.e., > 600 mm (*23.6"*) wide), slider shoes on the belt edge are often not sufficient to keep it on the track. In such cases hold-down devices on the bottom side of the belt are used to guide it through the back-bending curve. Further details see Engineering guide.

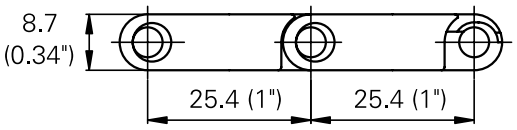


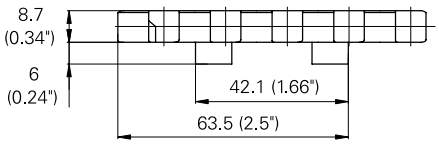
HabasitLINK®
M2420 Flat Top 1"

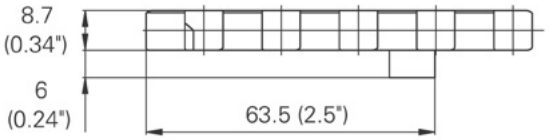
Description
- 8.7 mm (*0.34"*) thick
- 0% open area
- Closed hinge
- Rod diameter 4.5 mm (*0.18"*)
- Headless Smart Fit rod retention
- Strong closed edges
- Lug teeth sprockets

Available accessories
- Tab modules with 1 or 2 tabs
- Code: -T1 single Tab / -T2 double tab









Belt data

Belt material		POM	
Rod material		**PBT**	**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20100 *1370*	28800 *1973*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.1 *1.65*	8.1 *1.65*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

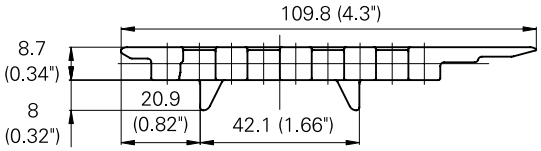
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (3.35"). Non-standard widths are offered in increments of 17 mm (0.67"). Smallest possible width 85 mm (3.35").

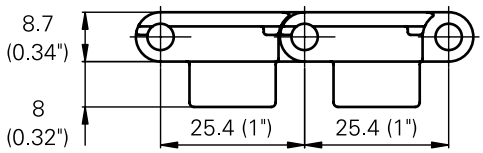
HabasitLINK®
M2420 ActivXchange 1"

Description

- 0% open area
- Solid plate
- Smooth and flat surface with flush edges
- Designed for 90° self clearing transfer
- Suitable for 83.8 mm (*3.3"*) track
- 8.7 mm (*0.34"*) thick
- Rod diameter 4.5 mm (*0.18"*)
- Smart Fit rod retaining headless
- Food approved materials available
- Robust design
- Suitable with all M2400 sprockets
- Tracking tabs for belt guiding







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	lb/
M2420L03	POM+LF	PA	1700	*383*	0.77	0.51

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

Temperature range

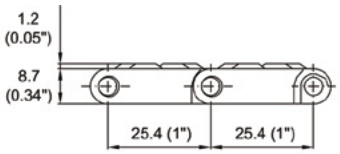
Module material	Rod materia	Temperature range	
POM +LF	*PA*	-40 °C to +93 °C	*-40 °F to +200 °F*

HabasitLINK®
M2423 Non Slip 1"

Description

- 0% open area
- Closed hinge
- Safe Non Slip profile for people mover applications
- Rod diameter 4.5 mm (*0.18"*)
- Headless Smart Fit rod retention
- Strong closed edges
- Standard belt material is antistatic
- Electro conductive and flame retardant materials available





Belt data

Belt material		POM+AS	PP+AS
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	22900 *1569*	16200 *1110*
Temperature range	°C *°F*	-40 - 90 *-40 - 195*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.1 *1.67*	5.6 *1.13*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

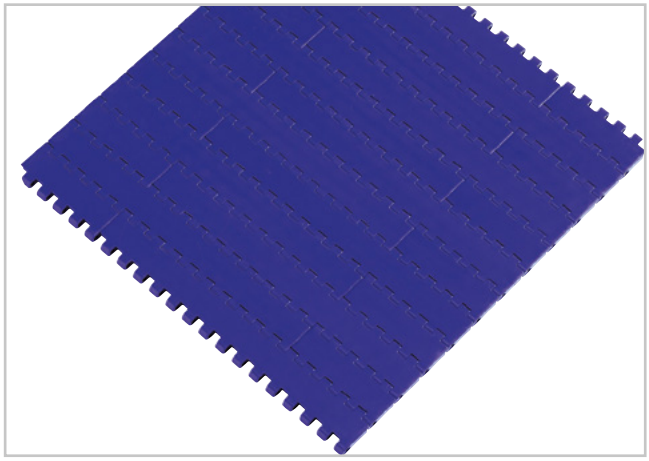
mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% wider.
For PP material up to 750 mm (*30"*) -2 mm to 1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths in increments of 85 mm (*3.35"*). Non-standard widths are offered in increments of 17 mm (*0.67"*). Smallest possible width 85 mm (*3.35"*).

HabasitLINK®
M2470 Flat Top 1"

Description

- Imperial belt width
- 8.7 mm (*0.34"*) thick
- 0% open area
- Closed hinge
- Rod diameter 4.5 mm (*0.18"*)
- Headless Smart Fit rod retention
- Strong closed edges
- Beveled edges for smooth side transfer
- Optimized for 50 mm (*2"*) idle roller diameter



Belt data

Belt material		POM	PP	
Rod material		PA	POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	*30000* *2055*	*18500* *1267*	*17200* *1178*
Temperature range	°C *°F*	*-40 - 93* *-40 - 200*	*5 - 93* *40 - 200*	*5 - 105* *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	*8.7* *1.79*	*5.7* *1.17*	*5.7* *1.17*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

mm (nom.)	76	152	229	305	381	457	533	610	686	762	838	914	991	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30"*) -2 mm to 1 mm and -0.2% to 0.2% for wider belts.

Standard belt widths in increments of 76.2 mm (*3"*). Non-standard widths are offered in increments of 15.24 mm (*0.6"*). Smallest possible width 76.2 mm (*3"*)

HabasitLINK®
M2470 Flat Top 1" MTW

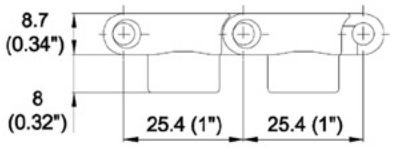
Description

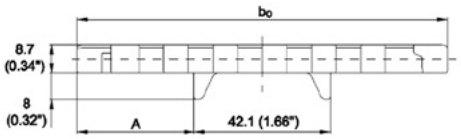
- Mold to width flat top belt
- Imperial widths
- 8.7 mm (*0.34*") thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 4.5 mm (*0.18*")
- Headless Smart Fit rod retention
- Strong closed edges
- Beveled edges for smooth side transfer
- Two versions:
  - M2470Kxx (modules without tabs),
  - M2470Kxx-T20 (modules with 2 tabs)



Available accessories

- For standard guiding profiles, refer to the HabiPLAST® brochure





Belt data

	Nominal belt width b_0		A		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	*inch*	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
M2470K03	82.5	*3.3*	20.1	*0.80*	POM	*PBT*	1600	*360*	0.72	*0.48*
M2470K03	82.5	*3.3*	20.1	*0.80*	POM	*PA*	1850	*416*	0.72	*0.48*
M2470K03	82.5	*3.3*	20.1	*0.80*	POM	*PP*	1300	*293*	0.72	*0.48*
M2470K04	114.2	*4.5*	36.0	*1.40*	POM	*PBT*	2300	*518*	0.99	*0.67*
M2470K04	114.2	*4.5*	36.0	*1.40*	POM	*PA*	2600	*585*	0.99	*0.67*
M2470K04	114.2	*4.5*	36.0	*1.40*	POM	*PP*	1900	*428*	0.99	*0.67*
M2470K06	152.3	*6.0*	55.1	*2.20*	POM	*PBT*	3400	*765*	1.35	*0.91*
M2470K06	152.3	*6.0*	55.1	*2.20*	POM	*PA*	4300	*968*	1.35	*0.91*
M2470K06	152.3	*6.0*	55.1	*2.20*	POM	*PP*	2800	*630*	1.35	*0.91*
M2470K07	190.4	*7.5*	74.1	*2.90*	POM	*PBT*	4300	*968*	1.66	*1.12*
M2470K07	190.4	*7.5*	74.1	*2.90*	POM	*PA*	5500	*1238*	1.66	*1.12*
M2470K07	190.4	*7.5*	74.1	*2.90*	POM	*PP*	3600	*810*	1.66	*1.12*

The belt weights are indicated for belts with tabs, the weight of belts without tabs are lower by circa 0.05 kg/m *(0.03 lb/ft)*.
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

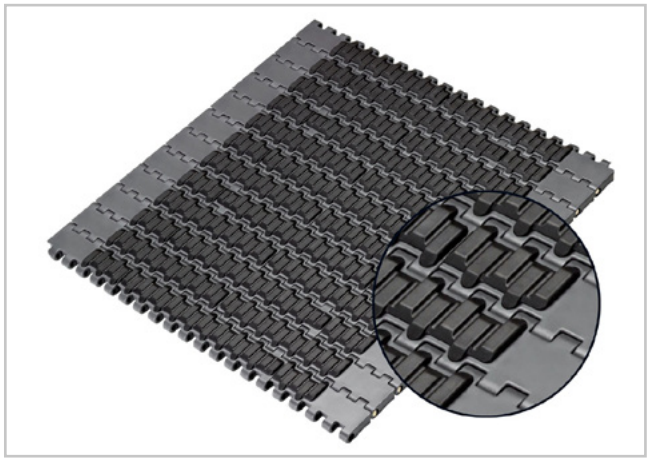
Temperature range

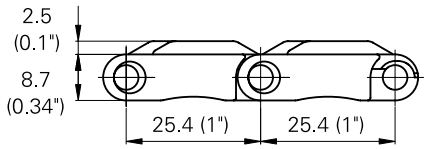
Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F
POM	PBT	-40 °C to +93 °C	-40 °F to +200 °F
POM	PP	+5 °C to +93 °C	+40 °F to +200 °F

HabasitLINK®
M2470 GripTop 1"

Description

- Imperial belt width
- 0% open area
- Abrasion resistant GripTop, high friction
- Closed hinge
- Rod diameter 4.5 mm (*0.18"*)
- Headless Smart Fit rod retention
- Strong closed edges
- Optimized for 50 mm (*2"*) idle roller diameter, 40 mm (*1.6"*) possible
- Fully covered by GripTop or in rows of any distance in multiples of 25.4 mm (*1"*)
- With indent 38 mm (*1.5"*) or without indent





Belt data

Belt material		POM	PP	
GripTop material		TPE		
Rod material		PA	POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	26300 *1802*	16200 *1110*	16200 *1110*
Temperature range	°C *°F*	-40 - 60 *-40 - 140*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	9.9 *2.03*	6.9 *1.42*	6.9 *1.42*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

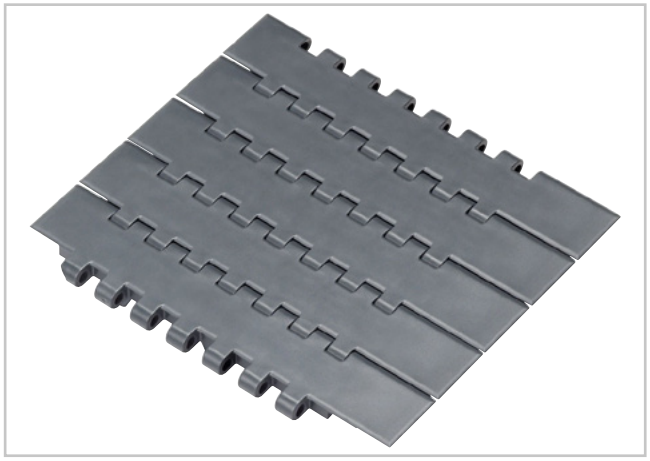
mm (nom.)	76	152	229	305	381	457	533	610	686	762	838	914	991	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

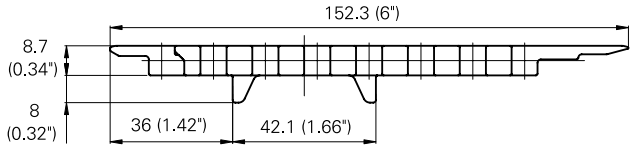
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30"*) -2 mm to 1 mm and -0.2% to 0.2% for wider belts.
Standard belt widths in increments of 76.2 mm (*3"*). Non-standard widths are offered in increments of 15.24 mm (*0.6"*). Smallest possible width 76.2 mm (*3"*).

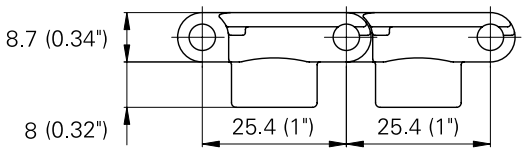
HabasitLINK®
M2470 ActivXchange 1"

Description

- 0% open area
- Solid plate
- Smooth and flat surface with flush edges
- Designed for 90° self clearing transfer
- 8.7mm (*0.34"*) thick
- Rod diameter 4.5 mm
- Smart Fit rod retaining headless
- Food approved materials available
- Robust design
- Tracking tabs for belt guiding







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M2470L04	POM+LF	PA	3100	*698*	1.18	*0.79*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	100	*4.00*	40	*1.6*

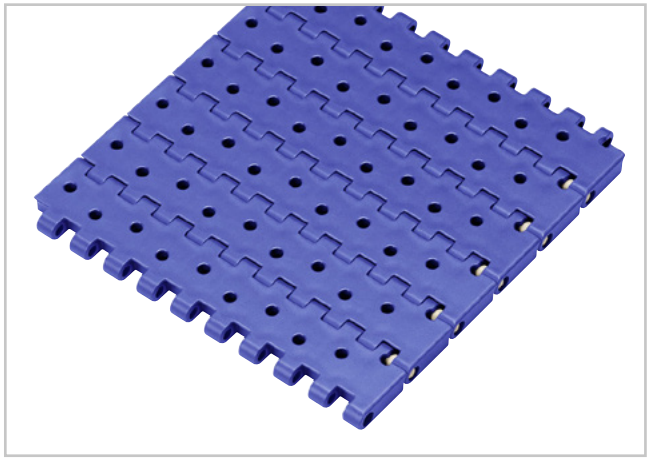
Temperature range

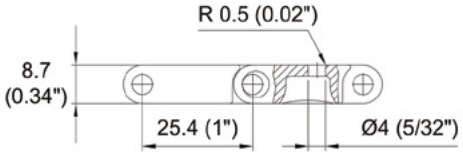
Module material	Rod material	Temperature range	
POM +LF	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
M2472 Perforated Flat Top 1"

Description

- Imperial belt width
- 8.7 mm (*0.34*") thick
- 5.9% open area
- 4 mm (*5/32*") diameter vacuum holes
- Closed hinge
- Rod diameter 4.5 mm (*0.18*")
- Headless Smart Fit rod retention accessibility from the top
- Strong closed edges
- Beveled edges for smooth side transfer





Belt data

Belt material		**POM**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	30000 *2055*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.7 *1.78*

We recommend to use an idle roller width with a minimum of 25 mm (1") free belt edge on each side.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

mm (nom.)	152	305	457	610	762	914	1067	1219	1372	1524	1676	1829	1981	etc.
inch (nom.)	*6*	*12*	*18*	*24*	*30*	*36*	*42*	*48*	*54*	*60*	*66*	*72*	*78*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 76.2 mm (*3*"). Non-standard widths are offered in increments of 15.24 mm *0.6*"). Smallest possible width 76.2 mm (*3*").

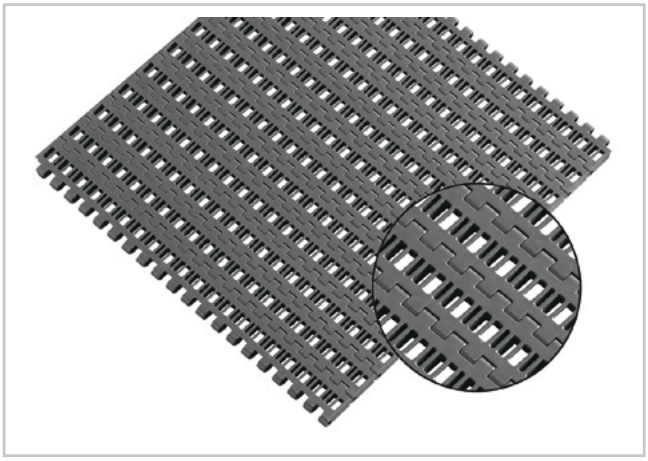
HabasitLINK®
M2480 Flush Grid 1"

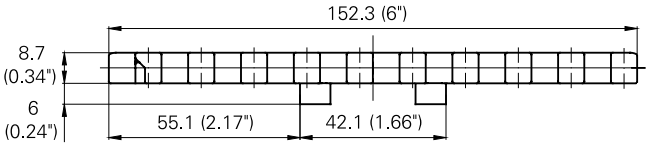
Description

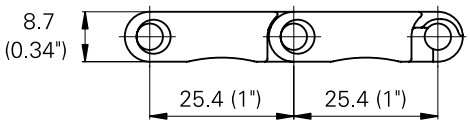
- 25% open area; 51% open contact area; largest opening size: 3.6 x 10.2 mm (0.14 x *0.40*")
- Closed hinge
- Rod diameter 4.5 mm (*0.18*")
- Headless Smart Fit rod retention
- Beveled edges for smooth side transfer
- Optimized for 50 mm (*2*") idle roller diameter

Available accessories

- Tab modules with 2 tabs (Code: -T2)







Belt data

Belt material		PP		
Rod material		PA	POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	*17000* *1165*	*17000* *1165*	*17000* *1165*
Temperature range	°C *°F*	*5 - 105* *40 - 220*	*5 - 93* *40 - 200*	*5 - 105* *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	*4.9* *1.00*	*4.9* *1.00*	*4.9* *1.00*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

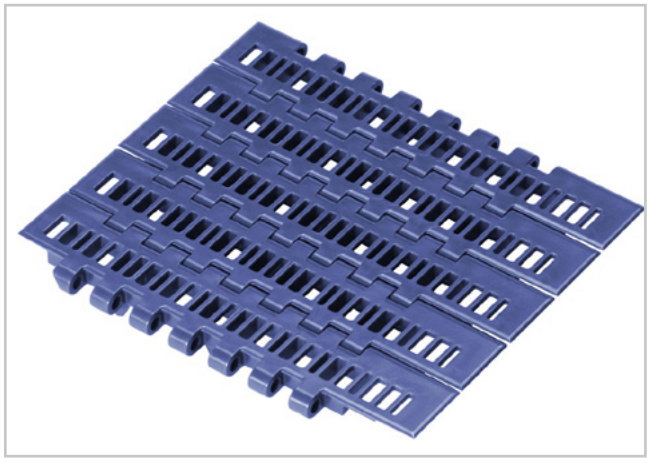
mm (nom.)	76	152	229	305	381	457	533	610	686	762	838	914	991	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

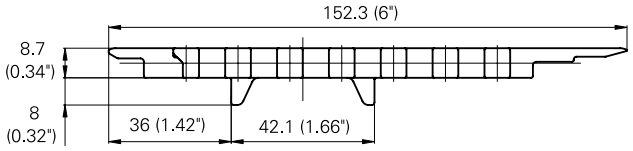
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 76.2 mm (*3*"). Non-standard widths are offered in increments of 15.24 mm (*0.6*"). Smallest possible width 76.2 mm (*3*")

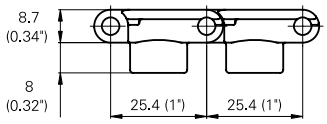
HabasitLINK®
M2480 ActivXchange 1"

Description

- 25% open area
- Smooth and flat surface with flush edges
- Designed for 90° self clearing transfer
- 8.7mm (*0.34"*) thick
- Rod diameter 4.5 mm
- Smart Fit rod retaining headless
- Food approved materials available
- Robust design
- Tracking tabs for belt guiding







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M2470L04	POM+LF	PA	3000	*675*	1.03	*0.69*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

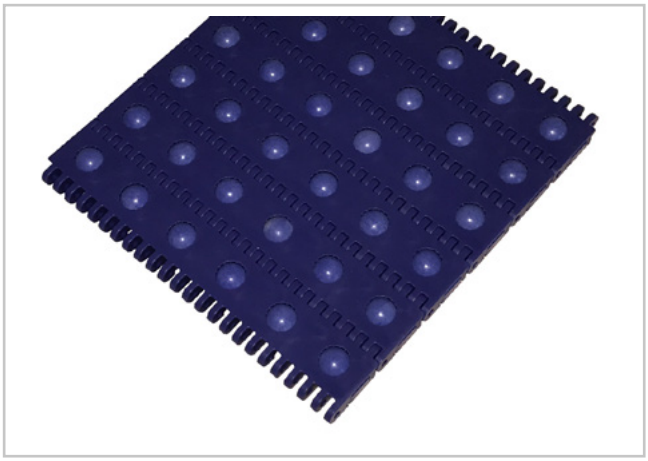
Temperature range

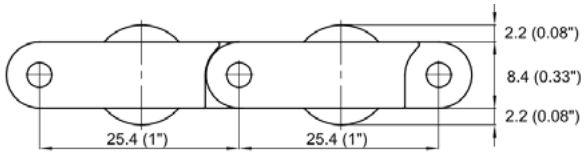
Module material	Rod material	Temperature range	
POM +LF	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
M2483 Sphere Top 1"

Description

- Designed for multi-directional product handling
- Imperial belt width
- Closed hinge
- Floater diameter 3 mm (*0.12"*)
- Admissible load per sphere 0.5 kg (1.10 lb)





Belt data

Belt material		**POM**
Rod material		**PA**
Roller material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	*25000* *1712*
Temperature range	°C *°F*	10-30 *50-86*
Belt weight m_B	kg/m² *lb/sqft*	9.6 *1.97*

Note: Temperature range is valid for belt widths up to 2032 mm (80") for other belt widths and temperatures please contact Habasit.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

Standard range of belt widths b_0

mm (nom.)	152	229	305	381	457	533	610	686	762	838	914	991	etc.
inch (nom.)	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 76.2 mm (*3"*). Non-standard widths are offered in increments of 25.4 mm (*1"*). Smallest possible width 76.2 mm (*3"*).

HabasitLINK®
Sprocket series M2400

Code addition design version (function) / New Generation

M	24	S	12	40	Q	8	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1 -Machined (same shape and function as molded version 1)
H – for multihub sprockets

Sprocket availability

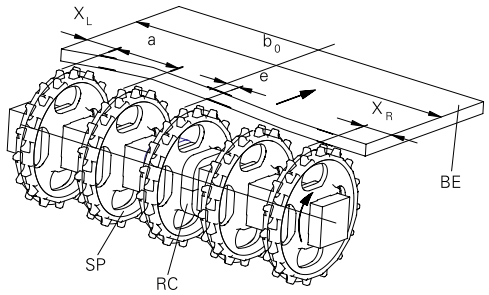
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	12	99.5	*3.9*	46.5	*1.83*	25	*0.98*	40		30	*1*	PA
S	15	123.9	*4.9*	58.9	*2.32*	25	*0.98*	60				PA
S	18	148.3	*5.8*	71.3	*2.81*	25	*0.98*	40 / 60	*2.5*			PA
S-C1	12	99.5	*3.9*	46.5	*1.83*	25	*0.98*			40	*1.5*	PA
S-C1	18	148.3	*5.8*	71.3	*2.81*	25	*0.98*			40 / 50	*1 / 1.5*	PA
S-C1	20	164.6	*6.5*	79.6	*3.13*	25	*0.98*			40 / 50	*1.5*	PA
Z-H	18	148.3	*5.8*	71.3	*2.81*	51	*2.00*	40 / 60	*1.5 / 2.5*	40 / 50	*1 / 17/16*	PA+GS
Z-H	21	172.8	*6.8*	83.7	*3.30*	51	*2.00*	40 / 60	*1.5 / 2.5*	50	*1 / 17/16*	PA+GS

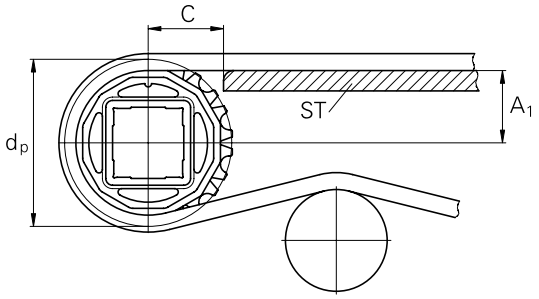


Sprocket one-piece (solid)

S, Z: molded sprockets; Z-H: Multi-Hub sprockets.
Other sprocket and hub sizes on request.

Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm (*1.1"*).

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M2420	51 2	170 *6.7*	42.5 *1.67*	42.5 *1.67*	b_0 / 17 *b_0 / 0.67*	even number (2, 4, 6 ...)	8.5 *0.33*	right or left side
						odd number (3, 5, 7 ...)	0 *0*	no offset
M2470 M2480	45.7 *1.8*	152.4 *6*	23 *0.9*	23 *0.9*	b_0 / 15.24 *b_0 / 0.6*	even number (2, 4, 6 ...)	7.6 *0.29*	right or left side
						odd number (3, 5, 7...)	*0* *0*	no offset
M2483*	50.8 *2*	127 *5*	25.4 *1*	25.4 *1*	b_0 / 25.4 *b_0 / 1*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	*12.7* *0.5*	right or left side

Numbers of sprockets and wearstrips for M2420

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
85	*3.3*	1	2	2
170	*6.7*	2	2	2
255	*10.0*	2	3	2
340	*13.4*	2	3	2
425	*16.7*	3	4	3
510	*20.1*	3	4	3
595	*23.4*	4	5	3
680	*26.8*	4	5	3
765	*30.1*	5	6	4
850	*33.5*	5	6	4
935	*36.8*	6	7	4
1'020	*40.2*	6	7	4
1'105	*43.5*	7	8	5
1'190	*46.9*	7	8	5
1'275	*50.2*	8	9	5
1'360	*53.5*	8	9	5
1'445	*56.9*	9	10	6
1'530	*60.2*	9	10	6
1'615	*63.6*	10	11	6
1'700	*66.9*	10	11	6
1'785	*70.3*	11	12	7
1'870	*73.6*	11	12	7
1'955	*77.0*	12	13	7
2'040	*80.3*	12	13	7

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M2470, M2480 add M2483

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
76	*3.0*	1	2	2
152	*6.0*	2	3	2
229	*9.0*	2	3	2
305	*12.0*	2	4	2
381	*15.0*	3	4	3
457	*18.0*	3	5	3
533	*21.0*	3	5	3
610	*24.0*	3	6	3
686	*27.0*	5	6	4
762	*30.0*	5	7	4
838	*33.0*	5	7	4
914	*36.0*	5	8	4
991	*39.0*	7	8	5
1'067	*42.0*	7	9	5
1'143	*45.0*	7	9	5
1'219	*48.0*	7	10	5
1'295	*51.0*	9	10	6
1'372	*54.0*	9	11	6
1'448	*57.0*	9	11	6
1'524	*60.0*	9	12	6
1'600	*63.0*	11	12	7
1'676	*66.0*	11	13	7
1'753	*69.0*	11	13	7
1'829	*72.0*	11	14	7
1'905	*75.0*	13	14	8
1'981	*78.0*	13	15	8
2'057	*81.0*	13	15	8

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M2420 ActivXchange 1''

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
109.8	*4.3*	1	1	2	2

Numbers of sprockets and wearstrips for M2470 ActivXchange 1''

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152.2	*6.0*	2	1	2	2

Numbers of sprockets and wearstrips for M2480 ActivXchange 1

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152.2	*6.0*	2	1	2	2

Numbers of sprockets and wearstrips for M2470 Flat Top 1" MTW

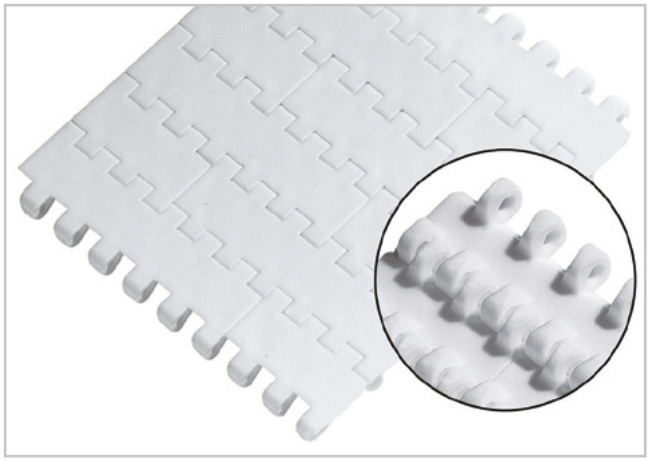
Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
82.6	*3.25*	1	1	2	2
114.3	*4.5*	1	1	2	2
152.2	*6.0*	3	2	2	2
190.5	*7.5*	3	2	2	2

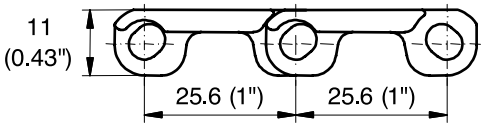
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
M2510 Flat Top 1"

Description
- 0% open area
- Dynamic open hinge, easy to clean
- Food approved materials available
- Rod diameter 5 mm (*0.2"*)

Available accessories
- Flights and Scoops
- Side guards
- Hold-down devices
- Saniclip
- Pop-up flights





Belt data

Belt material		PE		POM		PP
Rod material		PE	PA		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8000 *548*	8000 *548*	21900 *1500*	16000 *1096*	14000 *959*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 65 *-40 - 150*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.2 *1.05*	5.2 *1.05*	7.3 *1.49*	7.3 *1.49*	4.9 *1.00*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30"*) -5 mm to -1 mm and -0.75% to -0.35% for wider belts.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30"*) -4 mm to 0mm and -0.3% to -0.1% for wider belts.
Standard belt widths in increments of 50 mm (*2"*). Non-standard widths are offered in increments of 16.66 mm (*0.66"*). Smallest possible width 83.4 mm *(3.25"*). Non-bricklayed belts 50 mm *(2"*) and 100 mm (*4"*) wide.

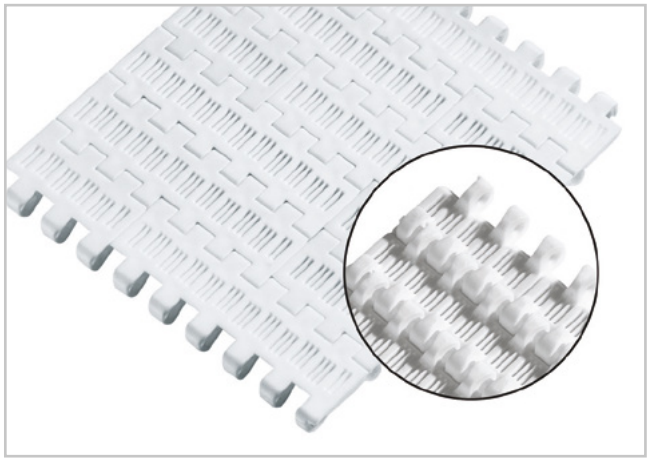
HabasitLINK®
M2511 Mesh Top 1"

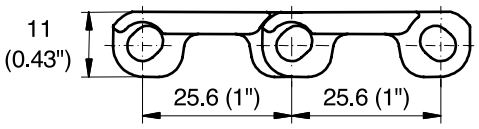
Description

- 16% open area; largest opening 1.2x10 mm (*0.05"x0.4"*)
- Dynamic open hinge, easy to clean
- Food approved materials available
- Rod diameter 5 mm (*0.2"*)

Available accessories

- Flights and Scoops
- Side guards
- Hold-down devices
- Saniclip
- Pop-up flights





Belt data

Belt material		PE	PP
Rod material		**PE**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	*7000* *479*	11000 *753*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.7 *0.96*	4.5 *0.92*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

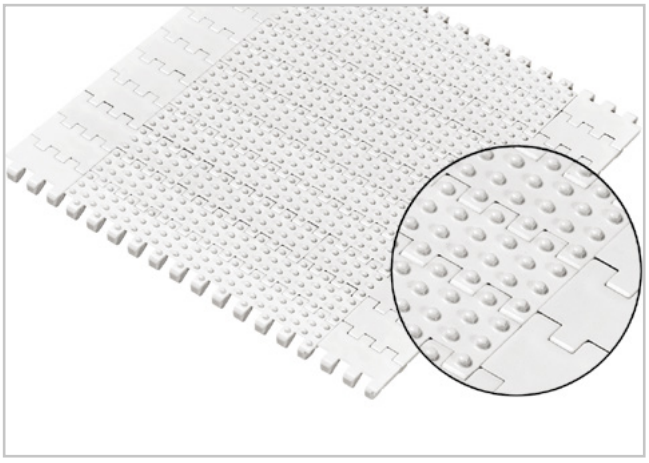
mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

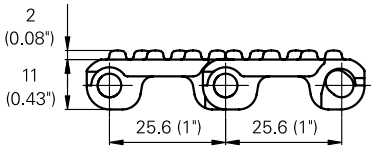
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30"*) -4 mm to -1 mm and -0.75% to -0.35% for wider belts.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm (*2"*). Non-standard widths are offered in increments of 16.66 mm (*0.66"*). Smallest possible width 83.4 mm (*3.25"*). Non-bricklayed belts 50 mm (*2"*) and 100 mm (*4"*) wide.

HabasitLINK®
M2514 Nub Top 1"

Description
- 0% open area
- Non-adhesive due to reduced contact surface
- Dynamic open hinge, easy to clean
- Standard indent 50 mm (*2*")
- Rod diameter 5 mm (*0.2*")
- Food approved materials available

Available accessories
- Flights and Scoops
- Side guards
- Hold-down devices
- Saniclip
- Pop-up flights





Belt data

Belt material			PE	POM		PP
Rod material			PE	PA	PE	PP
Nominal tensile strength F'_N straight run		N/m *lb/ft*	8000 *548*	21900 *1500*	7000 *479*	14000 *959*
Temperature range		°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*
Belt weight m_B		kg/m² *lb/sqft*	5.4 *1.11*	7.7 *1.57*	7.7 *1.57*	5.1 *1.05*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

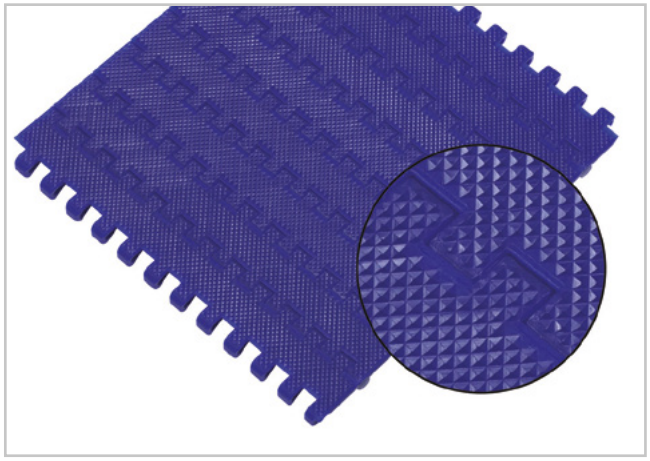
mm (nom.)	200	250	300	350	400	450	500	550	600	650	etc.
inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*etc.*

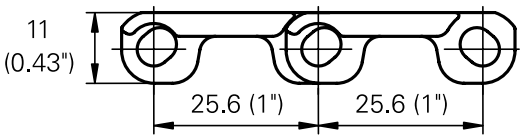
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30*") -5 mm to -2 mm and -0.75% to -0.35% for wider belts.
For PP material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Min. width: 200 mm (*8*")

HabasitLINK®
M2516 Diamond Top 1"

Description
- 0% open area
- Non-adhesive due to reduced contact surface
- Dynamic open hinge, easy to clean
- Rod diameter 5 mm (*0.2"*)
- Food approved materials available
- Optional staggered indent 50/100mm (*2"/4"*)

Available accessories
- Side guards
- Flights and Scoops
- Hold-down devices
- Saniclip
- Pop-up flights





Belt data

Belt material		PE	POM		PP
Rod material		PE	PA	PE	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8000 *548*	21900 *1500*	8000 *548*	14000 *959*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.2 *1.06*	7.5 *1.53*	7.5 *1.53*	4.9 *1.01*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

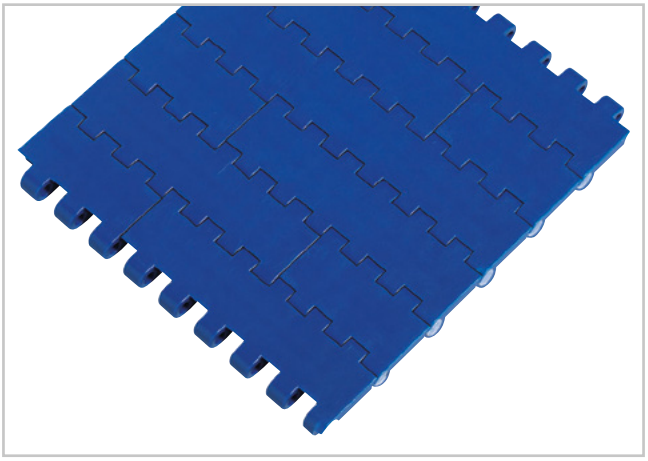
mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

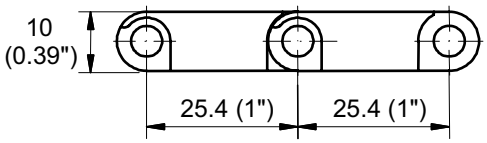
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30"*) -4 mm to -1 mm and -0.75% to -0.35% for wider belts.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm (2"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25"). Non-bricklayed belts 200 mm (8") wide.

HabasitLINK®
M2520 Flat Top 1"

Description
- 0% open area
- High lateral stiffness
- Food approved materials available
- Rod diameter 5 mm (*0.2*")

Available accessories
- Flights and Scoops
- Side guards
- Hold-down devices
- GripTop modules
- Pop-up flights





Belt data

Belt material		PE	POM	PA	POM	PP	
Rod material		PE	PA		PP	POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	9000 *616*	32000 *2192*	28000 *1918*	21500 *1473*	18000 *1233*	18000 *1233*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-40 - 130 *-40 - 266*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.8 *1.19*	8.4 *1.71*	7.8 *1.60*	8.4 *1.71*	5.5 *1.13*	5.5 *1.13*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30*") -3 mm to 1 mm and -0.4% to 0.1% for wider belts.
For PP material up to 750 mm (*30*") -1 mm to 2 mm and 0% to 0.45% for wider belts.
For POM material up to 750 mm (*30*") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Smallest possible width 83.4 mm (*3.25*"). Non-bricklayed belts 50 mm (*2*") and 100 mm (*4*") wide.

Belt data

Belt material		PA+GF	PA+HT	PBT+FR		ST
Rod material		ST		PA	PP	ST
Sprocket material [1]		ST		Standard		ST
Belt width		see table		Standard		see table
Flammability classification UL 94 [2]		HB		V0		
Flammability classification ISO 340 [2]		no		yes		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	24000 *1644*	24000 *1644*	15000 *959*	16000 *1027*	12000 *822*
Temperature range	°C *°F*	0 - 145 32 - 293	0 - 170 32 - 338	-40 - 130 *-40 - 266*	5 - 105 *40 - 220*	0 - 200 *32 - 392*
Temperature maximum (short-term)	°C *°F*	175 *347*	200 *392*	150 *302*		240 *464*
Belt weight m_B	kg/m² *lb/sqft*	9.0 1.85	9.0 *1.85*	8.9 *1.82*	8.9 *1.82*	10.8 *2.21*

[1] In most cases standard sprockets are suitable. Depending on the application requirements it may be necessary to select a different sprocket material like Polyamide, Polyurethane or Polypropylene. For Polyamide +HT, Polyamide +GF and Super High Temperature belt materials it is recommended to use sprockets of the Super High Temperature material.
[2] Flammability classification UL 94 and ISO 340 see Glossary in the HabasitLINK Engineering Guidelines.

Belt width for Polyamide +GF, Polyamide +HT and Super High Temperature material (ST)

mm	50.8	101.7	152.5	203.3	254.2	305.0	355.8	406.7	457.5	508.3	559.2	610.0	etc.
inch	*2.00*	4.00	*6.00*	8.00	*10.01*	12.01	14.01	16.01	*18.01*	*20.01*	*22.02*	*24.02*	*etc.*

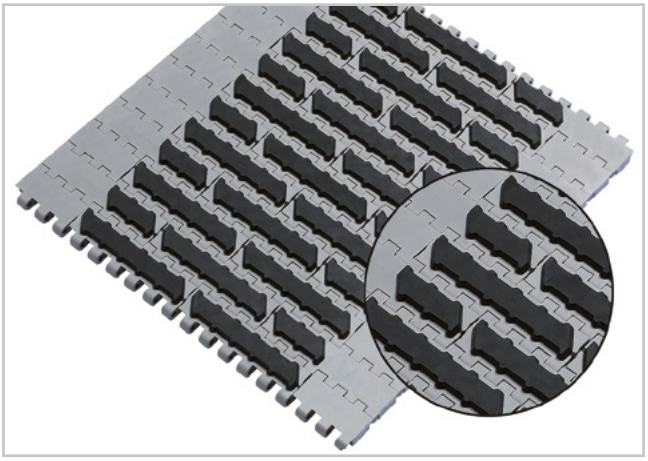
Actual belt widths are in most cases 0.1% to 0.3% smaller.

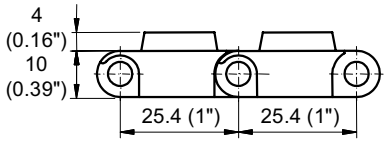
HabasitLINK®
M2520 GripTop 1"

Description
- 0% open area
- Food approved materials available
- Abrasion resistant GripTop, high friction
- Rod diameter 5 mm (*0.2*")

Proposed pattern
- Indent 50 mm (*2*")
- Fully covered by GripTop or in rows of any distance in multiples of 25.4 mm (*1*")

Available accessories
- Flights
- Hold-down devices





Belt data

Belt material		**PP**	
GripTop material		**TPE**	
Rod material		**POM**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	18000 *1233*	14000 *959*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	8.7 *1.74*	8.7 *1.74*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

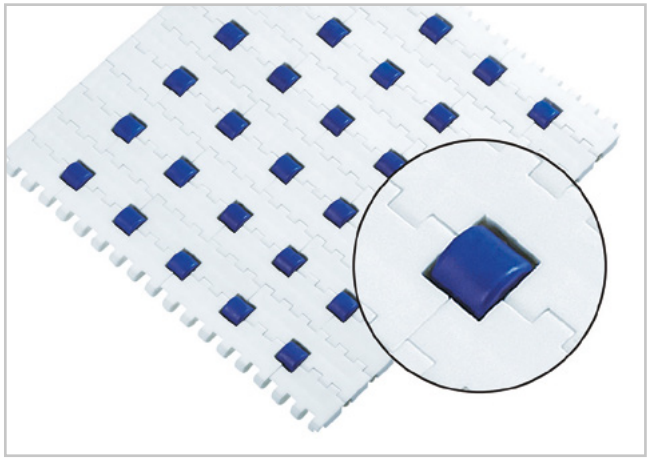
mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

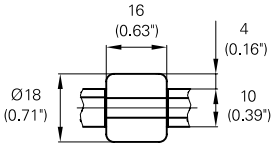
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30*") -1 mm to 2 mm and 0% to 0.45% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Min. width: 200 mm (*8*")

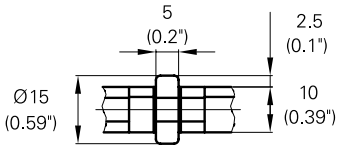
HabasitLINK®
M2520 Roller Top 1"

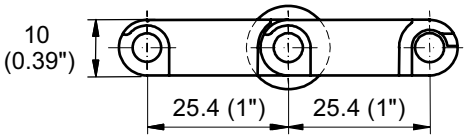
Description

- Roller lateral spacing see table belt data
- Rollers row spacing 50.8 mm (*2"*)
- Roller dimensions Ø 15 mm, 5 mm wide (*Ø 0.59" / 0.2"*) or Ø 18 mm, 16 mm wide (*Ø 0.71" / 0.63"*)
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- High lateral stiffness
- Food approved materials available
- Rod diameter 5 mm (*0.2"*)









Belt data

Belt material		**POM**		
Rod material		**PA**		
Roller material		**POM**		
Roller lateral spacing per row	mm / *inch*	50.0 / *2.00*	50.0 / *2.00*	66.0 / *2.60*
Roller offset next row	mm / *inch*	0.0 / *0.00*	0.0 / *0.00*	33.0 / *1.30*
Roller dimension diameter / width	mm *inch*	Ø 15 / 5 *Ø 0.59 / 0.2*	Ø 18 / 16 *Ø 0.71 / 0.63*	Ø 15 / 5 *Ø 0.59 / 0.2*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	26000 *1781*	21500 *1473*	24000 *1644*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.4 *1.72*	8.4 *1.72*	8.4 *1.72*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0 and free edge

Belt width (mm) (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
Belt width (inch) (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

Roller lateral spacing per row 66 mm / offset next row with rollers 33 mm (roller Ø 15 / 5)

Free edge (mm)	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	etc.
Free edge (inch)	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	etc.
Sprockets	*3*	*5*	*6*	*8*	*9*	*11*	*12*	*14*	*15*	*17*	*18*	*20*	*21*	*23*	etc.
Rollers (4 rows)	*4*	*5*	*7*	*8*	*10*	*11*	*13*	*14*	*16*	*17*	*19*	*20*	*22*	*23*	etc.

Roller lateral spacing per row 50 mm / offset next row with rollers 0 mm (roller Ø 15 / 5)

Free edge (mm)	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	etc.
Free edge (inch)	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	etc.
Sprockets	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	etc.
Rollers (4 rows)	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	etc.

Roller lateral spacing per row 50 mm / offset next row with rollers 0 mm (roller Ø 18 / 16)

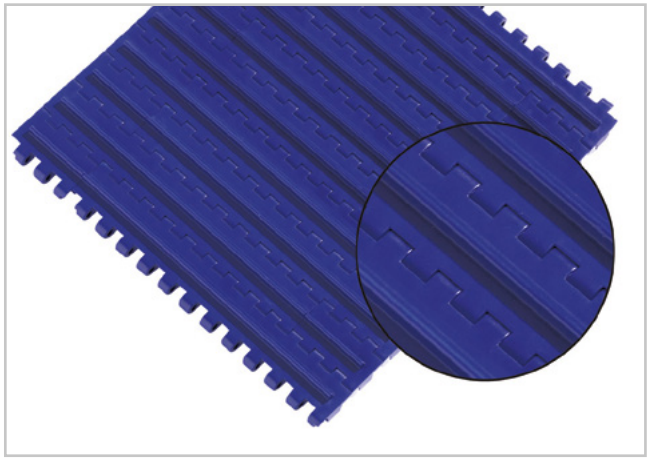
Free edge (mm)	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	etc.
Free edge (inch	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	etc.
Sprockets	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	etc.
Rollers (4 rows)	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	etc.

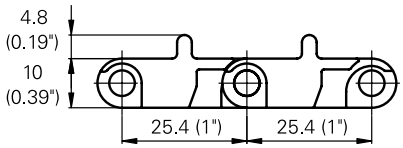
Actual belt widths are in most cases 0.1% to 0.3% wider.
For POM material up to 750 mm (*30"*) -2 mm to -1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths in increments of 50 mm (*2"*). Smallest possible width 150 mm (*5.9"*).

HabasitLINK®
M2527 Minirib 1"

Description
- 0% open area
- High lateral stiffness
- Minirib 4.8 mm (*0.19*") height, indent 6.3 mm (*0.25*")
- Food approved materials available
- Rod diameter 5 mm (*0.2*")

Available accessories
- Hold-down devices
- Flights
- GripTop modules





Belt data

Belt material					POM				
Rod material					PA				
Nominal tensile strength F'_N straight run			N/m *lb/ft*		32000 *2192*				
Temperature range			°C *°F*		-40 - 93 *-40 - 200*				
Belt weight m_B			kg/m² *lb/sqft*		10.4 *2.13*				
Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30*") -2 mm to 2 mm and -0.1% to 0.3% for wider belts.
Standard belt widths in increments of 100 mm (*4*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Smallest possible width 150 mm (*6*").

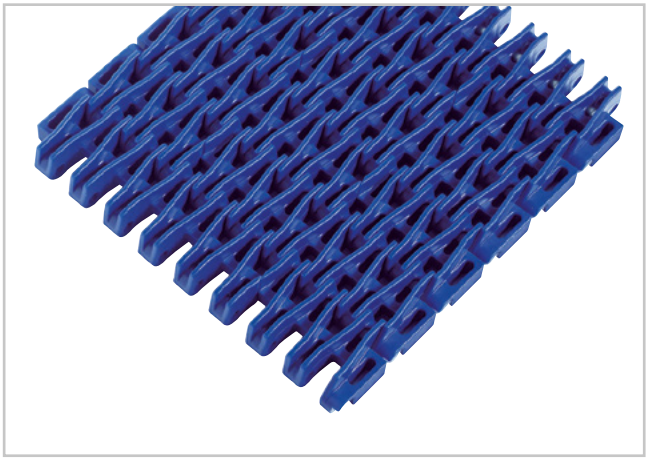
HabasitLINK®
M2531 Raised Rib 1"

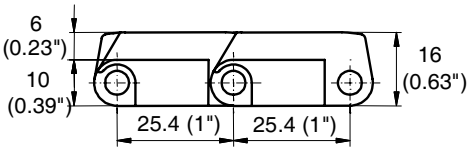
Description

- 35% open area; 75% open contact area; largest opening 5.5x7 mm (*0.22*"x*0.28*")
- Excellent for cooling and draining
- Food approved materials available
- Rod diameter 5 mm (*0.2*")

Available accessories

- Combs (finger transfer plates)





Belt data

Belt material		POM		PP
Rod material		PA	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	27000 *1850*	19000 *1300*	16000 *1096*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.4 *2.13*	10.4 *2.13*	6.8 *1.40*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0 and free edge

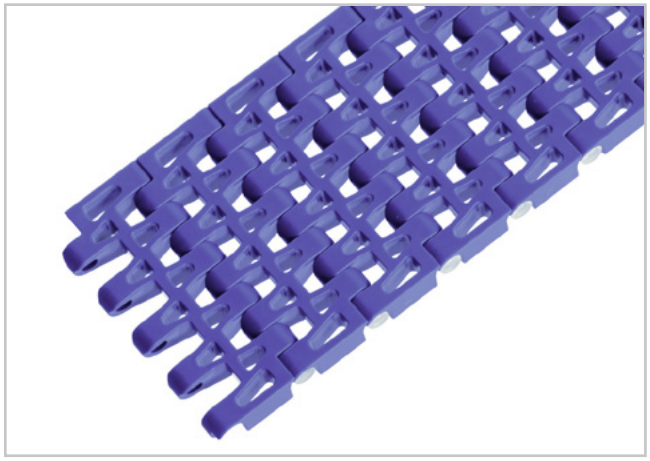
Belt width (mm) (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
Belt width (inch) (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

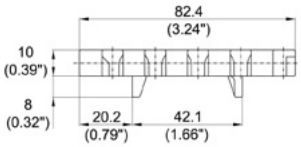
Actual belt widths are in most cases 0.1% to 0.3% wider.
For PP material up to 750 mm (*30*") -2 mm to 1 mm and 0% to 0.3% for wider belts.
For POM material up to 750 mm (*30*") -2 mm to 1 mm and -0.1% to 0.3% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Smallest possible width 83.4 mm (*3.25*").

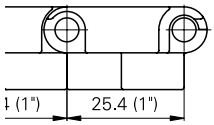
HabasitLINK®
M2533 Flush Grid 1" MTW

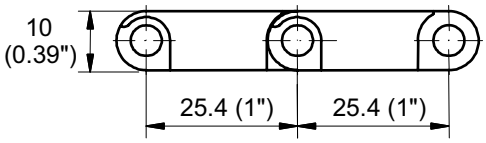
Description

- 35% open area; 60% open contact area; largest opening 5.5x7 mm (*0.22*"x*0.28*")
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 5 mm (*0.2*")
- Tab modules with 2 tabs (Code: - T2)









Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M2533K03	POM	PA	1500	*338*	0.59	*0.40*

The belt weights are indicated for belts with tabs, the weight of belts without tabs are lower by circa 0.05 kg/m (0.03 lb/ft).
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

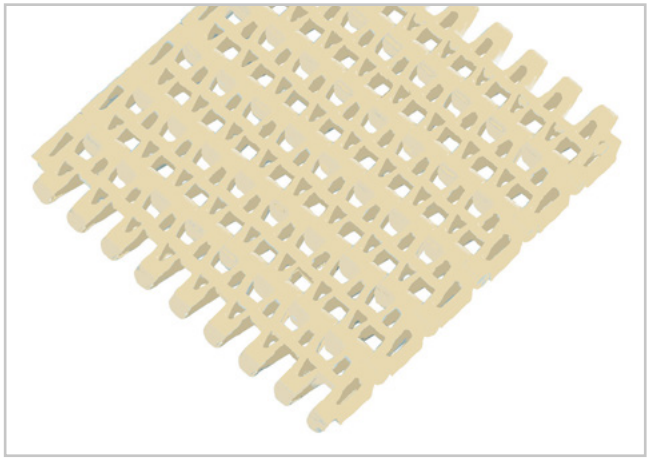
Temperature range

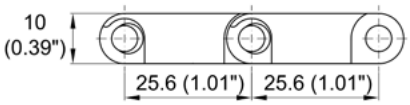
Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
M2533 Flush Grid 1" Heat Resistant

Description

- 35% open area; 60% open contact area; largest opening 5.5x7 mm (*0.22*"x*0.28*")
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 5 mm (*0.2*")
- Smart Fit rod retention





Belt data

Belt material		PA+GF	PA+HT	ST
Rod material		ST		
Flammability classification UL 94 [2]		HB		V0
Flammability classification ISO 340 [2]		no		yes
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	20000 *1370*	10000 *685*
Temperature range	°C *°F*	0 - 145 *32 - 293*	0 - 170 *32 - 338*	0 - 200 *32 - 392*
Temperature maximum (short-term)	°C *°F*	175 *347*	200 *392*	240 *464*
Belt weight m_B	kg/m² *lb/sqft*	7.7 *1.54*	7.7 *1.54*	8.7 *1.78*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*	250.0	*10*

Sprockets: For Polyamide +HT, Polyamide +GF and Super High Temperature belt materials it is recommended to use sprockets of the Super High Temperature material. Depending on the application requirements it may be possible to select a different sprocket material like Polyamide.

[2] Flammability classification UL 94 and ISO 340 see Glossary in the Engineering Guidelines.

Belt width for Polyamide +GF, Polyamide +HT and Super High Temperature material

mm (nom.)	50.5	101.0	151.5	202.0	252.5	303.0	353.5	404.0	454.5	505.0	555.5	606.0	etc.
inch (nom.)	*1.99*	*3.98*	*5.96*	*7.95*	*9.94*	*11.93*	*13.92*	*15.90*	*17.89*	*19.88*	*21.87*	*23.86*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Dimension change due to moisture
For Polyamide the dimension change due to moisture adsorption needs to be considered. For detailed information refer to the Calculation Guide in the Engineering Guidelines.

Dimension change due to temperature
For detailed information and correct calculation of length and width at varying temperature refer to the Calculation Guide in the Engineering Guidelines.

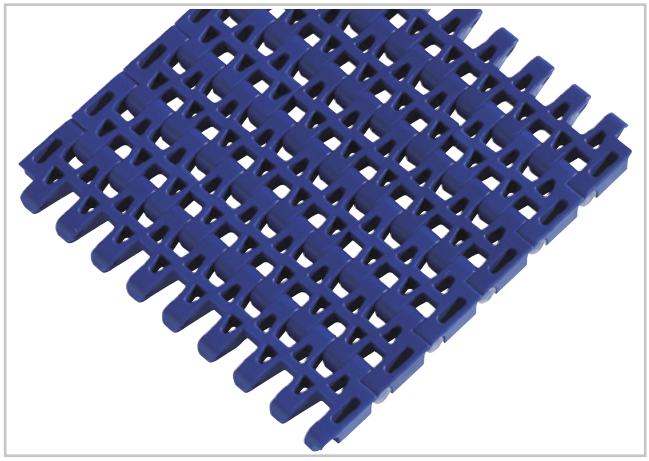
HabasitLINK®
M2533 Flush Grid 1"

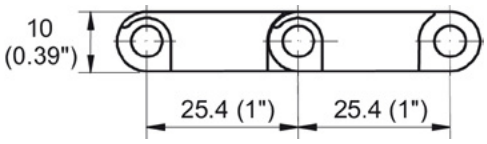
Description

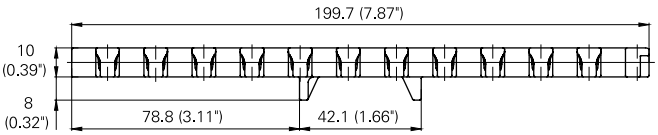
- 35% open area; 60% open contact area; largest opening 5.5x7 mm (*0.22*"x*0.28*")
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 5 mm (0.2")
- Snap Fit rod retention

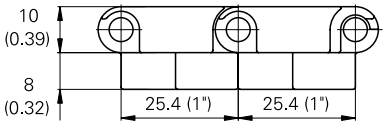
Available accessories

- Flights
- Side guards
- Hold-down devices
- GripTop modules
- Tab modules with 2 tabs (Code: - T2)
- Pop-up flights









Belt data

Belt material		PP+XA	PA	PE	POM		PP	PP+HW
Rod material		PP	PA	PE	PA	PP		PP+HW
Nominal tensile strength F'_N straight run	N/m *lb/ft*	14000 *959*	20000 *1370*	8000 *548*	24700 *1692*	18000 *1233*	14000 *959*	14000 *959*
Temperature range	°C *°F*	5 - 105 *40 - 220*	-46 - 130 *-50 - 266*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Temperature maximum (short-term)	°C *°F*		160 *320*					
Belt weight m_B	kg/m² *lb/sqft*	4.60 *0.94*	5.6 *1.15*	5.1 *1.04*	7.1 *1.45*	7.1 *1.45*	4.6 *0.94*	4.6 *0.94*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

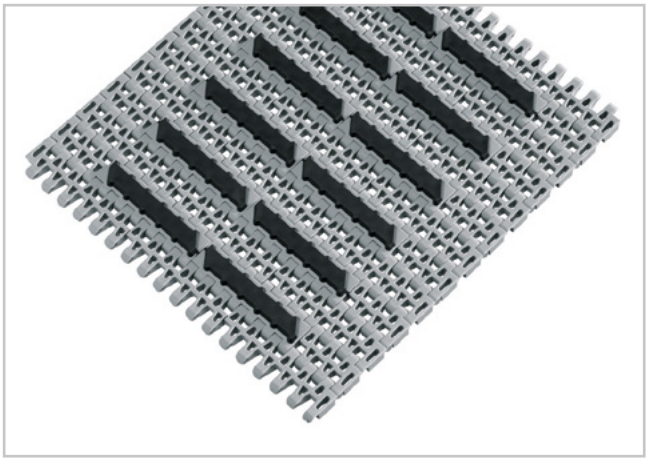
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30*") -5 mm to -1 mm and -0.8% to -0.3% for wider belts.
For PP material up to 750 mm (*30*") -2 mm to 1 mm and -0.4% to 0.1% for wider belts.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0.1% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"). Smallest possible width 83.4 mm (*3.25*").

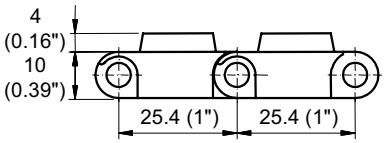
HabasitLINK®
M2533 GripTop 1"

Description
- Open area dependent on percentage of GripTop modules installed, as illustrated approx. 20%
- Food approved materials available
- Abrasion resistant GripTop, high friction
- Rod diameter 5 mm (*0.2*")

Proposed pattern
- Indent 50 mm (*2*")
- GripTop rows every 2nd, 4th, 6th module row
- (multiples of 50.8 mm (*2*"))

Available accessories
- Flights
- Hold-down devices





Belt data

Belt material		**PP**	
GripTop material		**TPE**	
Rod material		**POM**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	14000 *959*	14000 *959*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	6.5 *1.34*	6.5 *1.34*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

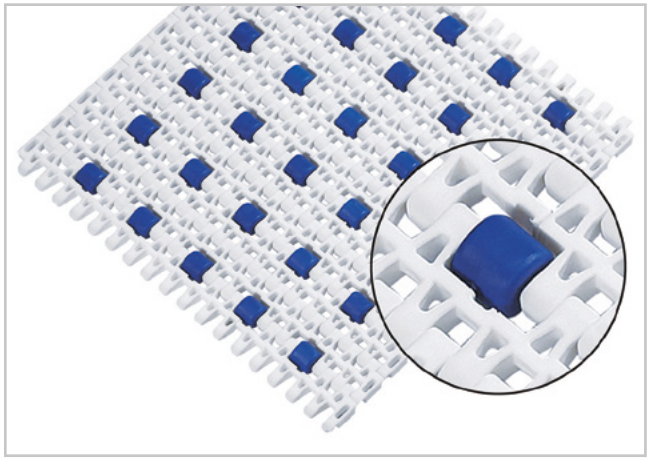
mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

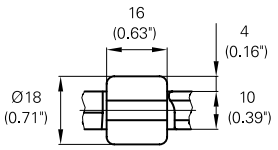
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (30") -2 mm to 1 mm and -0.4% to 0.1% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (*0.66*"), minimum indent 33.3 mm (*1.5*").

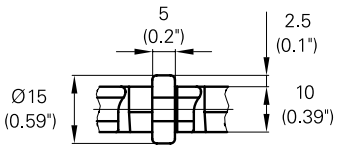
HabasitLINK®
M2533 Roller Top 1"

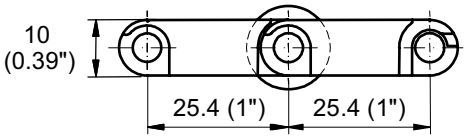
Description

- 35 % open area; largest opening 5.5x14 mm (*0.22*"x*0.55*")
- Roller lateral spacing see table belt data
- Rollers row spacing 50.8 mm (*2*")
- Roller dimensions Ø 15 mm, 5 mm wide (*Ø 0.59*" / *0.2*") or Ø 18 mm, 16 mm wide (*Ø 0.71*" / *0.63*")
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 5 mm (*0.2*")









Belt data

Belt material		**POM**		
Rod material		**PA**		
Roller material		**POM**		
Roller lateral spacing per row	mm / *inch*	50.0 / *2.00*	50.0 / *2.00*	66.0 / *2.60*
Roller offset next row	mm / *inch*	0.0 / *0.00*	0.0 / *0.00*	33.0 / *1.30*
Roller dimension diameter / width	mm *inch*	Ø 15 / 5 *Ø 0.59 / 0.2*	Ø 18 / 16 *Ø 0.71 / 0.63*	Ø 15 / 5 *Ø 0.59 / 0.2*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20500 *1404*	16400 *1123*	18500 *1267*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.1 *1.45*	7.1 *1.45*	7.1 *1.45*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0 and free edge

Belt width (mm) (nom.)	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
Belt width (inch) (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*etc.*

Roller lateral spacing per row 66 mm / offset next row with rollers 33 mm (roller Ø 15 / 5)

Free edge (mm)	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	21.5/ 21.5	21.5/ 38.5	etc.
Free edge (inch)	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	*0.8/ 0.8*	*0.8/ 1.5*	etc.
Sprockets	*3*	*5*	*6*	*8*	*9*	*11*	*12*	*14*	*15*	*17*	*18*	*20*	*21*	*23*	etc.
Rollers (4 rows)	*4*	*5*	*7*	*8*	*10*	*11*	*13*	*14*	*16*	*17*	*19*	*20*	*22*	*23*	etc.

Roller lateral spacing per row 50 mm / offset next row with rollers 0 mm (roller Ø 15 / 5)

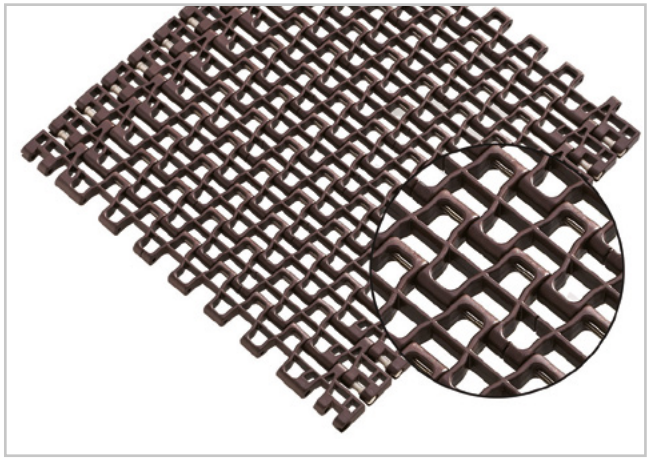
Free edge (mm)	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	etc.
Free edge (inch)	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	*1.9*	etc.
Sprockets	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	etc.
Rollers (4 rows)	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	etc.

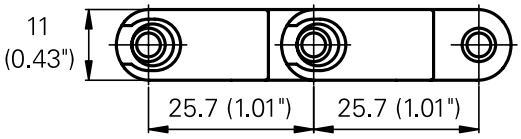
Roller lateral spacing per row 50 mm / offset next row with rollers 0 mm (roller Ø 18 / 16)

Free edge (mm)	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	etc.
Free edge (inch	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	*1.6*	etc.
Sprockets	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	etc.
Rollers (4 rows)	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	etc.

Actual belt widths are in most cases 0.1% to 0.3% wider.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0.1% for wider belts.
Standard belt widths in increments of 50 mm (*2"*). Smallest possible width 150 mm (*5.9"*).

HabasitLINK®
M2585 Flush Grid 1"





Description

- Imperial belt width
- Excellent for cooling and draining
- Open hinge
- Superior cleanability
- Food approved materials available
- Smart fit rod retention

Version –P0:

- Plastic rod Ø 5mm (*0.2*") (general applications)
- 48% open area; 88% open contact area; largest
- openings 10x12 mm (*0.4*"x*0.5*") and 4x17 mm (*0.15*"x*0.67*")

Version –S0:

- Plastic rodlets with steel floaters Ø 3.5mm (*0.14*") (high temperature applications)
- 54% open area; 91% open contact area; largest openings 10x12 mm (*0.4*"x*0.5*") and 4x17 mm (*0.15*"x*0.67*")
- Flights for both -S0 and -P0 versions

Belt data for version -P0 (plastic rod)

Belt material		POM	PP		PA
Rod material		PA	POM	PP	PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	15500 *1062*	11000 *754*	9500 *651*	15500 *1062*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*	-46 - 130 *-50 - 266*
Temperature maximum (short-term)					160 *266*
Belt weight m_B	kg/m² *lb/sqft*	6.4 *1.31*	4.2 *0.85*	4.2 *0.85*	5.60 *1.15*

Plastic rod diameter Ø 5 mm (*0.2*")

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	*2*	*4*	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 202.8 mm (*7.98*"). Non-standard widths are offered in increments of 33.8 mm (*1.33*"). Smallest possible width 202.8 mm (*7.98*").

Belt data for version -S0 (plastic rodlets, steel floaters)

Belt material		PA+GF	PA+HT	ST
Rod material		Steel		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	22000 *1507*	10000 *685*
Temperature range	°C *°F*	0 - 145 *32 - 293*	0 - 170 *32 - 338*	0 - 200 *32 - 392*
Temperature maximum (short-term)	°C *°F*	175 *347*	200 *392*	240 *464*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	8.0 *1.64*	9.2 *1.88*

Plastic rodlets Ø 5 mm (0.2") and steel floaters Ø 3.5 mm (0.14")

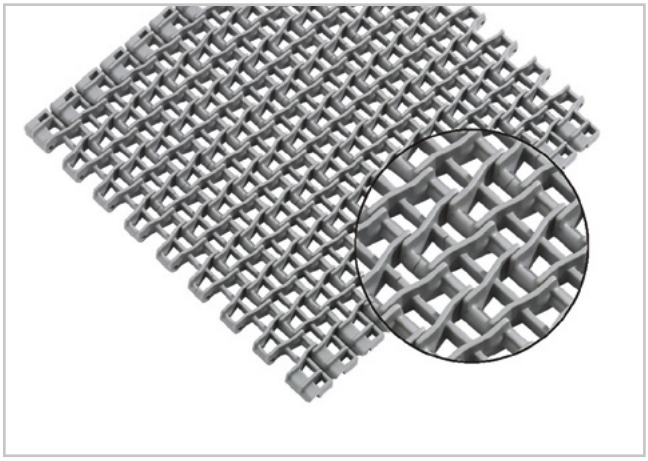
mm (nom.)	304	507	710	913	1115	1318	1521	1724	1927	etc.
inch (nom.)	*12*	*20*	*28*	*36*	*44*	*52*	*60*	*68*	*76*	*etc*

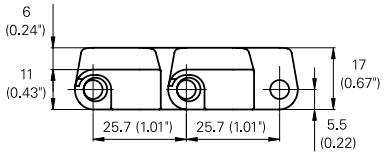
Actual belt widths are in most cases 0.1% to 0.3% wider.
Standard belt widths in increments of 202.8 mm (7.98"). Non-standard widths are offered in increments of 33.8 mm (1.33"). Smallest possible width 202.8 mm (7.98").
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
M2586 Raised Rib 1"

Description

- Imperial belt width
- 47% open area; 70% open contact area; largest opening 10x12 mm (*0.40*"x*0.50*") and 4x17 mm (*0.15*"x*0.67*")
- Excellent for cooling and draining
- Open hinge
- Superior cleanability
- Food approved materials available
- Rod diameter 5 mm (*0.2*")





Belt data

Belt material		PP	POM
Rod material		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10000 *685*	11000 *754*
Temperature range	°C *°F*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	6.2 *1.27*	9.40 *1.93*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

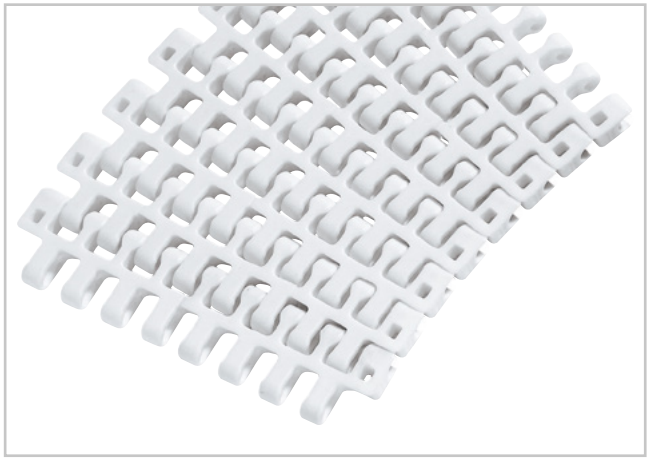
mm (nom.)	304	507	710	913	1115	1318	1521	1724	1927	etc.
inch (nom.)	*12*	*20*	*28*	*36*	*44*	*52*	*60*	*68*	*76*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30*") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths"in increments of 203.2 mm (*8*"). Non-standard widths are offered in increments of 33.8 mm (*1.3*"). Smallest possible width 203.2 mm (*8*").
Protection type: IP 1X (DIN EN 60259 / IEC 529)

HabasitLINK®
M2540 Radius Flush Grid 1"

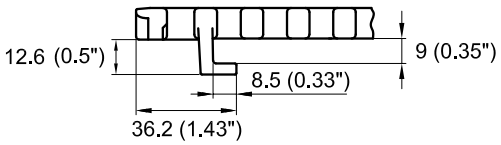
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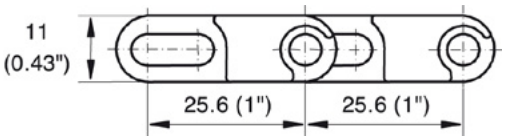
- For radius and straight conveying (collapse factor 2.2)
- 35% open area; 53% open contact area; largest opening 6x12.5 mm (0.24"x0.49")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (0.2")



Available accessories

- Flights
- Side guards
- Hold-down devices
  Hold-down tabs
- GripTop modules
- Lane divider
- Pop-up flights





Belt data

Belt material		POM	PP	
Rod material		**PA**		**POM**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	27000 *1850*	19000 *1300*	19000 *1300*
Nominal tensile strength F_N in curve [1]	N *lbf*	1500 *338*	1000 *225*	1000 *225*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.0 *1.44*	4.7 *0.96*	4.7 *0.96*

[1] For b_0 > 300 mm (*12"*) higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	200	250	300	250	400	450	500	550	600	650	700	750	800	850
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*
Coll. fact.Q	2.03	2.07	2.10	2.12	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20
Belt width mm (nom.)	900	950	1000	1050	1100	1150	1200							
Belt width inch (nom.)	*36*	*38*	*40*	*42*	*43*	*45*	*47*							
Coll. fact.Q	2.20	2.20	2.21	2.21	2.21	2.21	2.21							

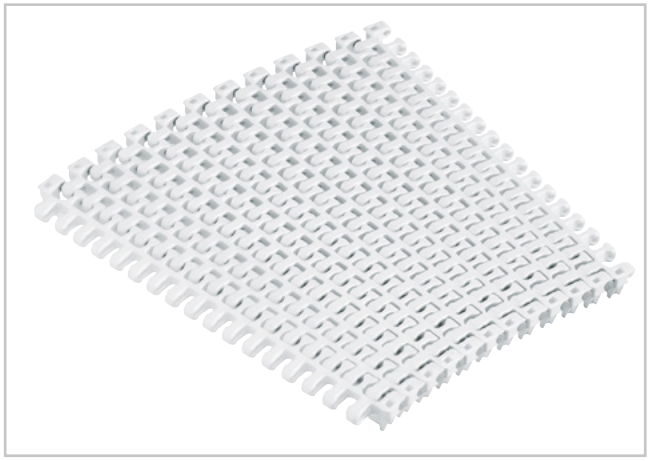
Belt widths larger than 1200 mm (*48*") are not recommended; please contact Habasit.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths in increments of 50 mm (*2*"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (*3.25*").

HabasitLINK®
M2540 Radius Flush Grid 1" MTW

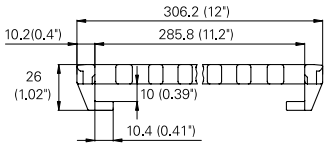
Description

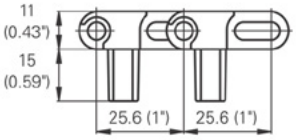
- Mold to width radius belt *12*" (306 mm) wide, for radius and straight conveying
- Collapse factor 2.1
- Hold-down tab on both edges
- 35% open area; 53% open contact area; largest opening 6x12.5 mm (*0.24*"x*0.49*")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (*0.2*")



Available accessories

- Clip-on side guards
- Lane divider





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N in curve	N/m *lb/ft*	*1500* *338*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.0 *1.44*

(1) The indicated nominal tensile strength refers to *12*" (306 mm) belt width. For b_0> *12*" higher values admissible, please contact your Habasit representative.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	206	256	**306 MTW**	356	406	456	506	556	606
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*
Collapse factor Q"	*2.03*	*2.07*	*2.10*	*2.12*	*2.14*	*2.15*	*2.16*	*2.17*	*2.18*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths: The belt is produced as mold to width belt *12*" (306 mm)
Non-standard belt widths: M2540 MTW can also be used as bricklayed in 50 mm (*2*") increments.
Non-standard widths are offered in increments of 16.66 mm (*0.66*").

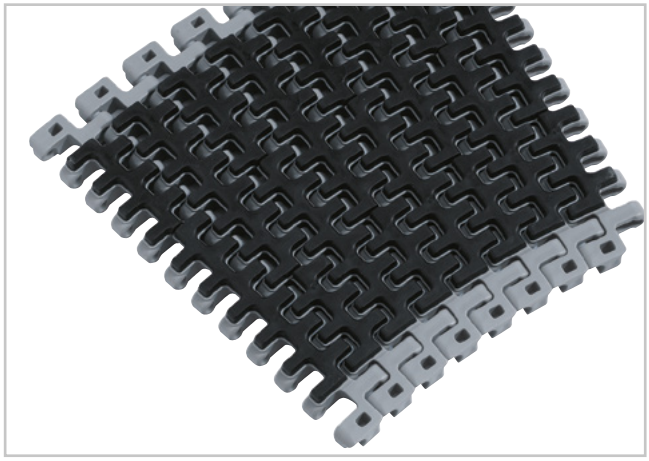
HabasitLINK®
M2540 Radius GripTop 1"

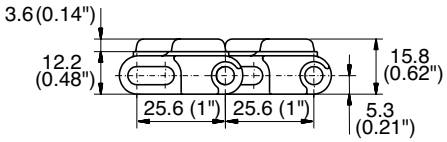
Description

- For radius and straight conveying, with inclines (collapse factor 2.2)
- 20% open area; largest opening 5x7.5 mm (*0.2*"x*0.3*")
- Indent 21 mm (*0.83*")
- Abrasion resistant GripTop, high friction
- Food approved materials available
- Rod diameter 5 mm (*0.2*")

Available accessories

- Clip-on side guards





Belt data

Belt material		PP	
GripTop material		TPE	
Rod material		PA	POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	19000 *1300*	19000 *1300*
Nominal tensile strength F_N in curve [1]	*N* *lbf*	1000 *225*	1000 *225*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	6.4 *1.31*	6.4 *1.31*

[1] For b_0> 300 mm (*12*") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	200	250	300	250	400	450	500	550	600	650	700	750	800	850
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*
Coll. fact.Q	2.03	2.07	2.10	2.12	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20
Belt width mm (nom.)	900	950	1000	1050	1100	1150	1200							
Belt width inch (nom.)	*36*	*38*	*40*	*42*	*43*	*45*	*47*							
Coll. fact.Q	2.20	2.20	2.21	2.21	2.21	2.21	2.21							

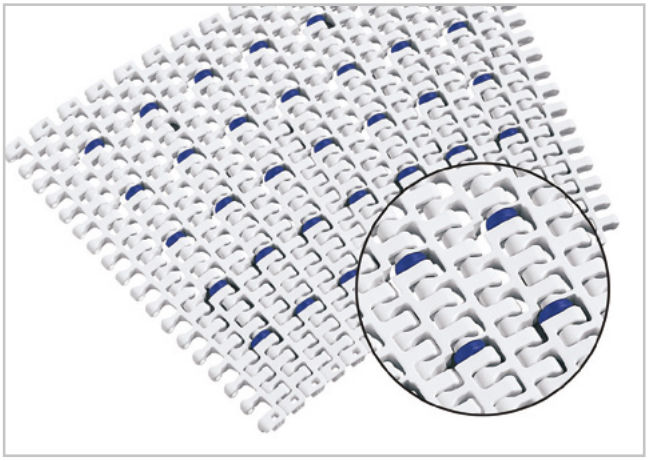
Belt widths larger 1200 mm (*48"*) not recommended; please contact Habasit.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.

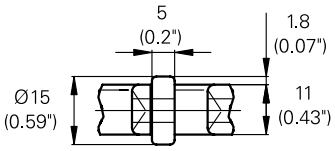
Standard belt widths in increments of 50 mm (*2"*). Non-standard widths are offered in increments of 16.66 mm (*0.66"*). Smallest possible width 150 mm (*5.9"*).

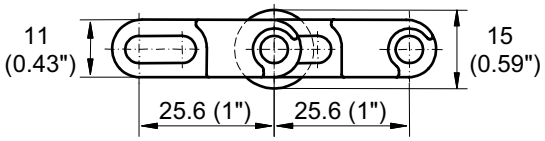
HabasitLINK®
M2540 Roller Top 1"

Description

- For radius and straight conveying
- Collapse factor 2.2 (unchanged)
- 35 % open area; largest opening 6x12.5 mm (*0.24*"x*0.49*")
- Roller lateral spacing 50 mm (*2"*)
- Minimum free edge 42 mm (*1.6"*)
- Rollers row spacing 50.8 mm (*2"*)
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for cooling and draining
- Food approved materials available
- Rod diameter 5 mm (*0.2*")







Belt data

Belt material		**POM**
Rod material		**PA**
Roller material		**POM**
Roller lateral spacing per row	mm / *inch*	50.0 / *2.00*
Roller dimension diameter / width	mm *inch*	Ø 15 / 5 *Ø 0.59 / 0.2*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	22000 *1507*
Nominal tensile strength F_N curve	N *lbf*	1200 *270*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.0 *1.44*

(1) For b_0 > 300 mm (*12*") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150.0	*6*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	200	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*etc.*
Coll.fact. Q	2.03	*2.07*	2.10	*2.12*	2.14	*2.15*	2.16	*2.17*	2.18	*2.18*	*2.19*	*2.19*	*2.19*	*2.20*	*etc.*
Free edge mm	42/52	*42/52*	42/52	*42/52*	42/52	*42/52*	42/52	*42/52*	42/52	*42/52*	*42/52*	*42/52*	*42/52*	*42/52*	*etc.*
Free edge inch	1.7/2	*1.7/2*	1.7/2	*1.7/2*	1.7/2	*1.7/2*	1.7/2	*1.7/2*	1.7/2	*1.7/2*	*1.7/2*	*1.7/2*	*1.7/2*	*1.7/2*	*etc.*
Sprocket offset mm	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	etc.
Sprocket offset inch	*1.1*	*0.2*	*1.1*	*0.2*	*1.1*	*0.2*	*1.1*	*0.2*	*1.1*	*0.2*	*1.1*	*0.2*	*1.1*	*0.2*	*etc.*
Sprockets	4	5	6	7	8	9	10	11	12	13	14	15	16	17	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	etc.

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths in increments of 50 mm (*2*"). Smallest possible width 200 mm (*7.9*").

HabasitLINK®
M2544 Tight Radius 1"

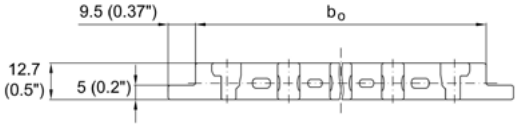
Description

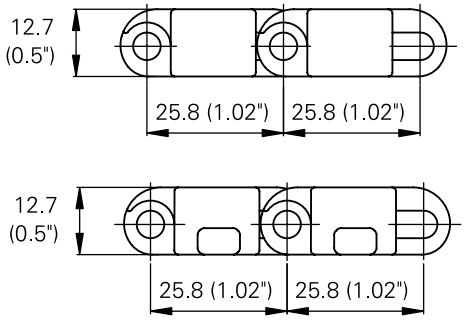
- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm (*0.26*"x*0.47*")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (*0.2*")



Available accessories

- Adjustable radius plugs available: sizes 1.9, 2.2 and 3.0 turning radius
- GripTop modules
- Lane divider
- Side tabs
- Clip-on side guards





The belt width b_0 does not include side tabs

Belt data

Belt material		POM	PP	
Rod material		PA		POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	14000 *959*	14000 *959*
Nominal tensile strength F_N in curve [1]	N *lb*	1100 *247*	600 *135*	600 *135*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.4 *1.72*	5.8 *1.19*	5.8 *1.19*

[1] For b_0 > 600 mm (*23.6*") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
Belt width inch (nom.)	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*	*38*
Coll. fact. Q	1.39	1.41	1.44	1.46	1.47	1.49	1.51	1.53	1.54	1.56	1.57	1.59	1.60	1.62	1.63
Fact. Q plug 1.9	1.65	1.69	1.73	1.75	1.77	1.78	1.79	1.81	1.81	1.82	1.83	1.83	1.84	1.84	1.85
Fact. Q plug 2.2	1.93	1.98	2.02	2.05	2.07	2.09	2.10	2.11	2.12	2.13	2.14	2.14	2.15	2.15	2.16
Fact. Q plug 3.0	2.71	2.78	2.83	2.87	2.90	2.92	2.94	2.95	2.97	2.98	2.99	3.00	3.01	3.01	3.02
Belt width mm (nom.)	*1000*	*1050*	*1100*	*1150*	*1200*										
Belt width inch (nom.)	*40*	*42*	*44*	*46*	*48*										
Coll. fact. Q	1.65	1.66	1.68	1.69	1.70										
Fact. Q plug 1.9	1.85	1.86	1.86	1.86	1.86										
Fact. Q plug 2.2	2.16	2.17	2.17	2.18	2.18										
Fact. Q plug 3.0	3.02	3.03	3.03	3.04	3.04										

Belt widths larger than 1200 mm (*48"*) are not recommended. Please contact Habasit.
Real belt widths are in most cases 0.1% to 0.4% smaller.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30"*) -4 mm to -1 mm and -0.5% to -0.2% for wider belts.

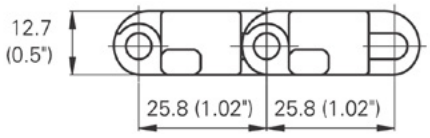
Standard belt widths in increments of 50 mm (*2"*). Non-standard widths are offered in increments of 16.66 mm (*0.66"*). Smallest possible width 200 mm (*7.9"*).

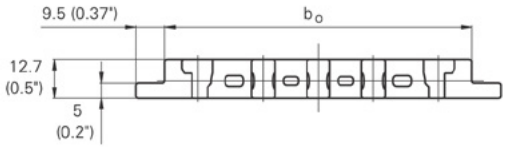
HabasitLINK®
M2544 Tight Radius 1" MTW

Description

- Mold to width radius belt with side tabs
- For radius and straight conveying, ideal for applications with limited space
- Collapse factor:
  - M2544K04: 1.25
  - M2544K06: 1.32
- Open area: 38 % (M2544K04), 32 % (M2544K06)
- Open contact area: 64 %
- largest opening (belt edge):
  4" width: 7.6 mm x 14.5 mm (*0.30*" x *0.57*")
  6" width: 10.0 mm x 12.8 mm (*0.38*" x *0.50*")
- largest opening (middle of belt) for *4*" and *6*": 7.6 mm x 10.6 mm (*0.30*" x *0.39*")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (*0.2"*)







The belt width b_0 does not include side tabs

Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Nominal tensile strength F_N in curve		Belt weight m_B	
	mm	*inch*			N	*lbf*	N	*lbf*	kg/m	*lb/ft*
M2544K04	101.4	*4.0*	POM	PA	1500	*338*	1000	*225*	0.87	*0.58*
M2544K06	152.2	*6.0*	POM	PA	2500	*563*	1000	*225*	1.29	*0.87*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	*100*	*4*	150	*6*

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F

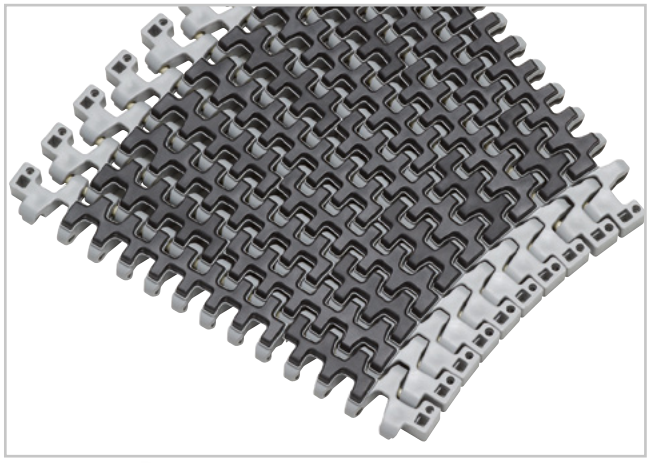
HabasitLINK®
M2544 Tight Radius GripTop 1"

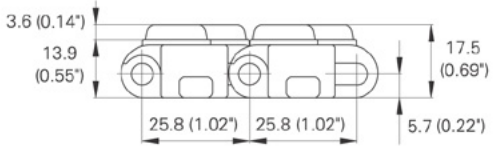
Description

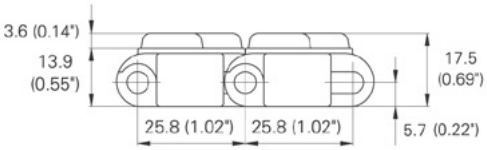
- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm (*0.26*"x*0.47*")
- Indent 35.5 mm (*1.4*")
- Excellent for cooling and draining
- Abrasion resistant GripTop, high friction
- Food approved materials available
- Rod diameter 5 mm (*0.2*")

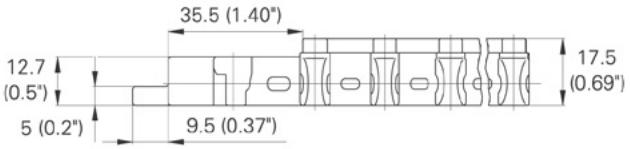
Available accessories

- Adjustable radius plugs available: sizes 1.9, 2.2 and 3.0 turning radius
- Side tabs
- Clip-on side guards









Belt data

Belt material		PP	
GripTop material		TPE	
Rod material		PA	POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	14000 *959*	14000 *959*
Nominal tensile strength F_N in curve [1]	N *lb*	600 *135*	600 *135*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	7.2 *1.47*	7.2 *1.47*

[1] For b_0 > 600 mm (*23.6*") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
Belt width inch (nom.)	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*	*38*
Coll. fact. Q	1.39	1.41	1.44	1.46	1.47	1.49	1.51	1.53	1.54	1.56	1.57	1.59	1.60	1.62	1.64
Fact. Q plug 1.9	1.65	1.69	1.73	1.75	1.77	1.78	1.79	1.81	1.81	1.82	1.83	1.83	1.84	1.84	1.85
Fact. Q plug 2.2	1.93	1.98	2.02	2.05	2.07	2.09	2.10	2.11	2.12	2.13	2.14	2.14	2.15	2.15	2.16
Fact. Q plug 3.0	2.71	2.78	2.83	2.87	2.90	2.92	2.94	2.95	2.97	2.98	2.99	3.00	3.01	3.01	3.02
Belt width mm (nom.)	*1000*	*1050*	*1100*	*1150*	*1200*										
Belt width inch (nom.)	*40*	*42*	*44*	*46*	*48*										
Coll. fact. Q	1.65	1.66	1.68	1.69	1.70										
Fact. Q plug 1.9	1.85	1.86	1.86	1.86	1.86										
Fact. Q plug 2.2	2.16	2.17	2.17	2.18	2.18										
Fact. Q plug 3.0	3.02	3.03	3.03	3.04	3.04										

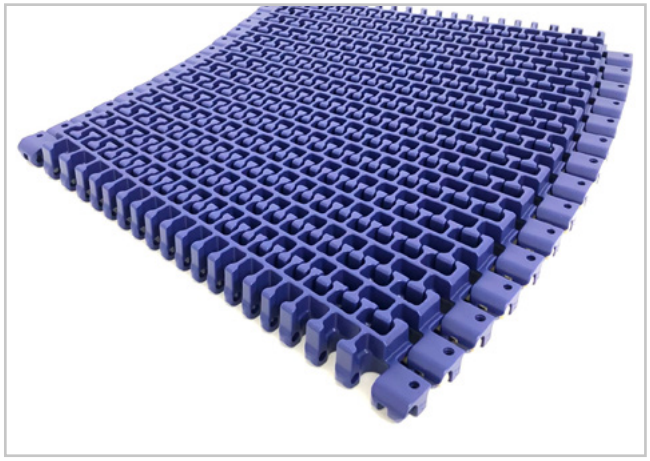
Belt widths larger than 1200 mm (*48"*) are not recommended. Please contact Habasit.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.

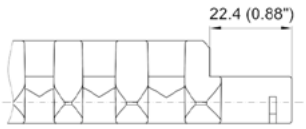
Standard belt widths in increments of 50 mm (*2"*). Non-standard widths are offered in increments of 16.66 mm (*0.66"*). Min. width: 200 mm (*8"*)

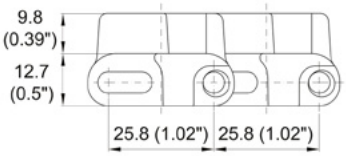
HabasitLINK®
M2592 Radius Raised Deck 1"

Description

- For radius and straight conveying, ideal for case handling (collapse factor 2.2)
- 36% open area; 81% open contact area; largest opening 6x10.2 mm (*0.24*"x*0.4*")
- Food approved materials available
- Smart fit rod retaining
- Rod diameter 5 mm (*0.2*")







Belt data

Belt material		POM+JM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	27000 *1850*
Nominal tensile strength F_N in curve [1]	N *lbf*	1600 *360*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.9 *2.84*

[1] For b_0 > 300 mm *(12")* higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

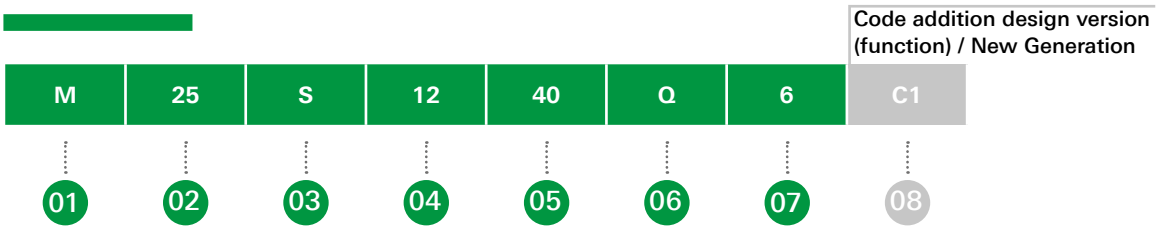
Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	203	254	**304**	355	406	457	508	558	609	660	711	762	812	863
Belt width inch (nom.)	*8*	*10*	***12***	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*
Coll. fact. Q	*1.81*	*1.87*	*1.92*	*1.96*	*2.00*	*2.03*	*2.06*	*2.08*	*2.10*	*2.12*	*2.13*	*2.14*	*2.15*	*2.16*

Belt widths larger than 1200 mm (*47*") are not recommended; please contact Habasit.
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Standard belt width is 304 mm (*12*"). Non-standard widths are offered in increments of 12.7 mm (*0.5*").
Smallest possible width 203.2 mm (*8*").

HabasitLINK®
Sprocket series M2500



01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

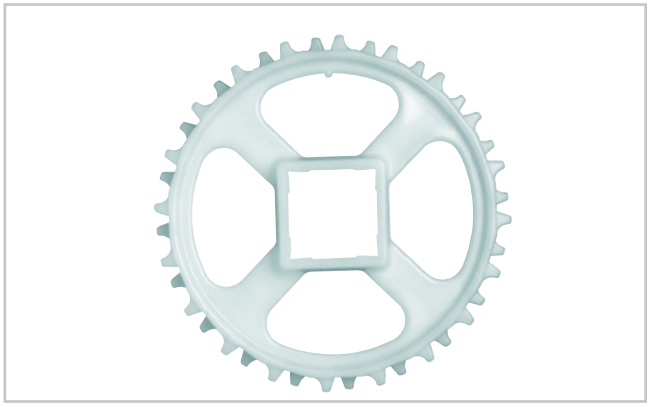
07 Material: 8 = PA; 6 = POM

08 C1 – Machined (same shape and function as molded version 1), C2 for M2585

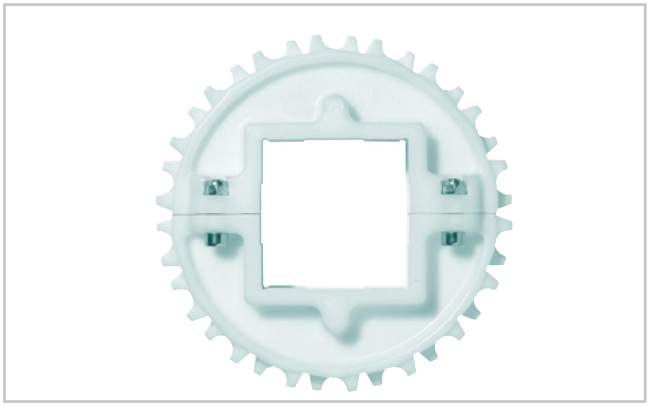
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
S	8	66.7	*2.6*	29.3	*1.15*	30	*1.18*	25	-	30	-	POM
S	10	82.5	*3.3*	37.3	*1.47*	30	*1.18*	40	*1/1.5*	30	-	POM
S	12	98.6	*3.9*	45.4	*1.79*	30	*1.18*	40	*1/1.5*	25/30	*1*	POM
S	15	122.7	*4.8*	57.8	*2.28*	30	*1.18*	60	-	-	-	POM
S	16	130.8	*5.2*	61.9	*2.44*	30	*1.18*	40	*1.5*	30	-	POM
S	18	146.9	*5.8*	70.1	*2.76*	30	*1.18*	40/60	*1.5*	30	-	POM
S	20	163.0	*6.4*	78.3	*3.08*	30	*1.18*	40/60	*1.5*	30	-	POM
Z	12	98.6	*3.9*	45.4	*1.79*	40	*1.57*	40	-	-	-	POM
Z	18	146.9	*5.8*	70.1	*2.76*	47	*1.85*	40	-	-	-	POM
Z	20	163.0	*6.4*	78.3	*3.08*	40	*1.57*	40	-	-	-	POM

S, Z: molded sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.

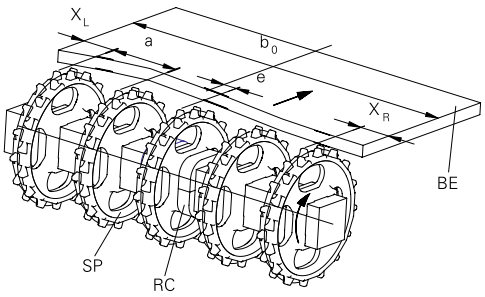


Sprocket one-piece (”open window“)

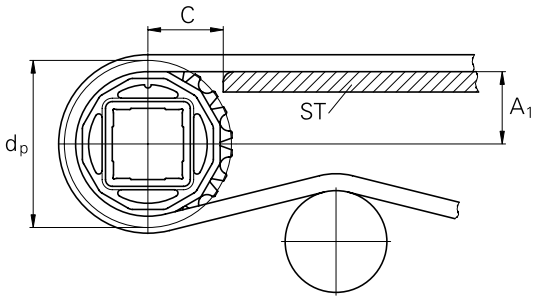


Split sprocket

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm *(1.1")*.

Wearstrips

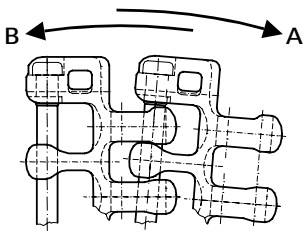
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be even or an odd number. These numbers are the criteria for offset or no offset, see table:

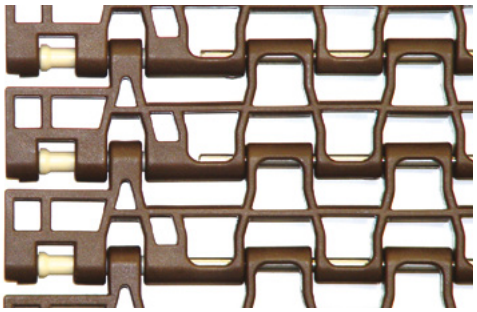
Belt type	Sprocket spacing a		Sprocket edge distance (minimal) *		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X mm *inch*	X mm *inch*	mm *inch*		mm *inch*	Offset to which side
Series M2500 except M2540/44 except M2585/86	50 *2*	100 *4*	25 *1*	25 *1*	b_0 / 16.66 *b0 / 0.66*	even number (2, 4, 6 ...)	8.3 0.33	right or left side
						odd number (3, 5, 7 ...)	0 0	no offset
M2540	50 *2*	117 *4.6*	21 *0.8*	29 *1.15*	b_0 / 16.66 *b0 / 0.66*	even number (2, 4, 6 ...)	4.2 0.17	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 0.17	left in running direction A right in running direction B
M2540 with hold down tabs	50 *2*	117 *4.6*	54 *2.13*	62 *2.44*	b_0 / 16.66 *b0 / 0.66*	even number (2, 4, 6 ...)	4.2 0.17	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 0.17	left in running direction A right in running direction B
M2540 MTW mold to width and bricklayed	50 *2*	117 *4.6*	41 *1.6*	49 *1.93*	b_0 / 16.66 *b0 / 0.66*	even number (2, 4, 6 ...)	4.2 0.17	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 0.17	left in running direction A right in running direction B
M2544	50 *2*	117 *4.6*	33 *1.3*	42 *1.65*	b_0 / 16.66 *b0 / 0.66*	even number (2, 4, 6 ...)	4.2 0.17	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 0.17	left in running direction A right in running direction B
M2585-P0 M2586	67 *2.66*	135 *5.3*	42 *1.65*	59 *2.32*	b_0 / 33.8 *b0 / 1.33*	even number (2, 4, 6 ...)	8.3 0.33	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.3 0.33	left in running direction A right in running direction B
M2585-S0	67 2.66	135 5.3	76 3	59 2.32	b0 / 33.8 b0 / 1.33	even number (2, 4, 6 ...)	8.3 0.33	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.3 0.33	left in running direction A right in running direction B

* XL and XR are related to the running direction A and inverse for running direction B.



M2540, left edge X_L (M544 similar)





Number of sprockets and wearstrips for straight running belts series M2500
(excluding M2585/86: see separate table)

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2*	2	2
200	*8*	2	2	2
250	*10*	3	3	2
300	*12*	3	3	2
350	*14*	3	4	3
400	*16*	3	4	3
450	*18*	5	4	3
500	*20*	5	5	3
550	*22*	5	5	3
600	*24*	5	5	3
700	*28*	7	6	4
800	*32*	7	7	4
900	*36*	9	7	4
1000	*40*	9	8	5
1100	*43*	11	8	5
1200	*47*	11	9	5
1300	*51*	13	10	6
1400	*55*	13	10	6
1600	*63*	15	11	6
1800	*71*	17	12	7
2000	*79*	19	13	7

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.
*For belt M2540 with hold down tabs 1 sprocket only

Number of sprockets and wearstrips for radius belts M2540, M2544 add M2592

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2	2	2
200	*8*	2	2	2
250	*10*	2	3	2
300	*12*	3	3	2
350	*14*	3	3	3
400	*16*	3	3	3
450	*18*	3	3	3
500	*20*	3	4	3
550	*22*	5	4	3
600	*24*	5	4	3
700	*28*	5	5	4
800	*32*	7	5	4
900	*36*	7	5	4
1000	*40*	9	6	5
1100	*43*	9	6	5
1200	*47*	9	7	5

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Number of sprockets and wearstrips for radius belts M2540 Radius Flush Grid 1" MTW (mold to width and bricklayed)

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
206	*8.11*	2	2	2
256	*10.08*	2	3	2
306*	*12.05*	3	3	2
406	*16*	3	3	3
506	*19.9*	5	4	3
606	*23.85*	5	4	3

* The belt width 306 mm (12.05") is a non-cut standard mold to width belt. All other belt widths are cut sizes.

Number of sprockets and wearstrips for M2585, M2586

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
305	*12*	2	2	2
508	*20*	3	3	2
711	*28*	5	4	2
914	*36*	7	6	3
1117	*44*	7	8	3
1319	*52*	9	10	4
1522	*60*	11	10	4
1725	*68*	13	12	7
1928	*76*	13	12	7
2131	*84*	15	13	8
2333	*92*	17	16	8
2536	*100*	19	18	9

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Sprocket series M2500-C2 (M2585/86)

M	25	S	12	40	Q	6	C2
01	02	03	04	05	06	07	08

Code addition design version (function) / New Generation

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

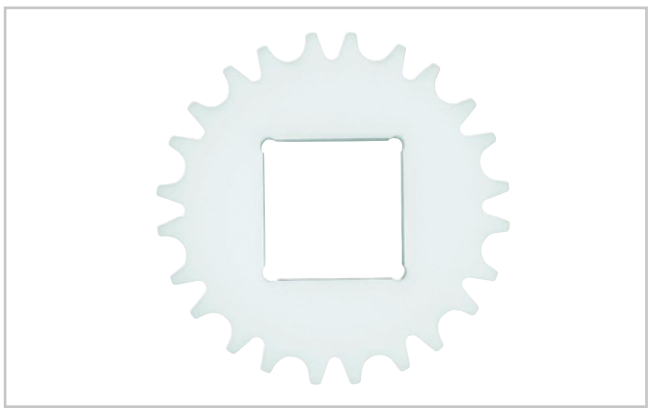
07 Material: 8 = PA; 6 = POM

08 C2 = Machined for M2585 / 86 (sprocket series M25, version 2)

Sprocket availability

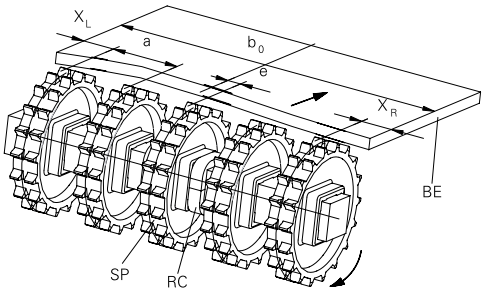
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
S-C2	7	59.6	*2.4*	25.2	*0.99*	25	*0.98*	-	*1*	-	-	PA
S-C2	8	67.7	*2.7*	29.3	*1.15*	25	*0.98*	25	-	30	*1/1 3/16*	PA
S-C2	10	83.8	*3.3*	37.5	*1.48*	25	*0.98*	40	*1/1.5*	30	*1/1 3/16*	PA
S-C2	12	100.0	*3.9*	45.8	*1.80*	25	*0.98*	40	*1/1.5*	30/40	*1/1 3/16*	PA
S-C2	15	124.5	*4.9*	58.3	*2.30*	25	*0.98*	60	*2.5*	-	-	PA
S-C2	16	132.8	*5.2*	62.5	*2.46*	25	*0.98*	40	*1.5*	-	-	PA
S-C2	18	149.1	*5.9*	70.8	*2.79*	25	*0.98*	40/60	*1.5/2.5*	30	*1/1 3/8*	PA
S-C2	20	165.5	*6.5*	79.2	*3.12*	25	*0.98*	40/60	*1.5/2.5*	30	*1/1 3/8*	PA

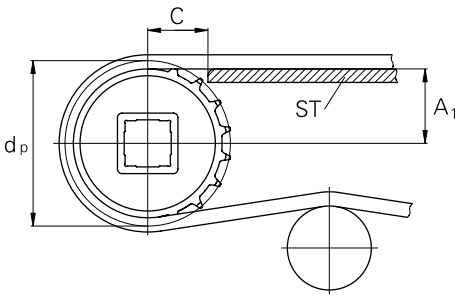
S-C2: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.



Sprocket one-piece (solid)

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm (1.1").

Wearstrips

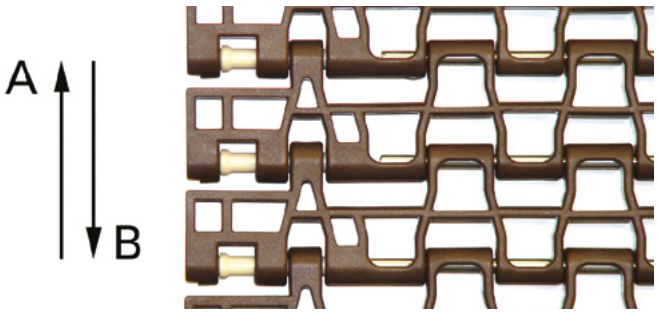
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)*		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M2585-P0 M2586	33.8 *1.33*	101.5 *4*	42 *1.65*	42 *1.65*	b_0/33.8 *b_0/1.33*	even number (2, 4, 6 ...)	8.5 *0.33*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.5 *0.33*	left in running direction A right in running direction B
M2585-S0	33.8 *1.33*	101.5 *4*	59 *2.32*	59 *2.32*	b_0/33.8 *b_0/1.33*	even number (2, 4, 6 ...)	8.5 *0.33*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.5 *0.33*	left in running direction A right in running direction B

*X_L and X_R are related to the running direction A and inverse for the running direction B.



M2585-S0, left edge X_L (M2585-P0, M2586 similar)

Number of sprockets and wearstrips for M2585, M2586

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	inch	min. number	Carryway (top)	Returnway (bottom)
305	*12*	2	2	2
508	*20*	3	3	2
711	*28*	5	4	2
914	*36*	7	6	3
1117	*44*	7	8	3
1319	*52*	9	10	4
1522	*60*	11	10	4
1725	*68*	13	12	7
1928	*76*	13	12	7
2131	*84*	15	13	8
2333	*92*	17	16	8
2536	*100*	19	18	9

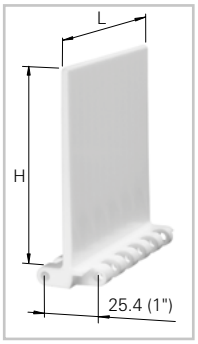
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M2500

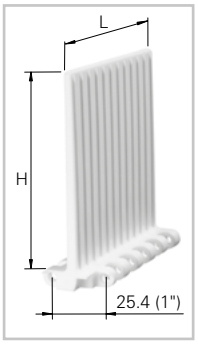
HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt. Flight modules are available with ribs on one side (no-cling) for improved release of wet or sticky food products and can also be cut to nonstandard heights.

	Flat Top flights straight open hinge (USDA)		Nub Top flights straight open hinge (USDA)		Flat Top flights straight closed hinge		Flat Top flights bent (Scoop) open hinge (USDA)		Flush Grid flight corrugated open hinge (USDA)		Flush Grid flights staggered open hinge		Side guards	
Code flight side guard	**M2510Fxx*[1]**		**M2514F07[2]**		**M2520Fxx*[1]**		**M2510B07[3]**		**M2533F07[3] M253JF07[3]**		**M2585F07xx[3]**		**M2520Gxx***	**M252RGxx* M252LGxx***
Applicable for belt type	**M2510, M2511 M2516**		**M2510, M2511 M2514**		**M2520/27 M2533**		**M2510, M2511 M2516**		**M2533**		**M2585-P0 M2585-S0**		**All 1" belts except M2531/M2585**	
	height H	length L	height H	length L	height H	length L	height H	length L	height H	length L	height H	length L	height H	
mm *inch*	25 *1*	100 *4*	–	–	25 *1*	100 *4*	–	–	–	–			25 *1*	–
mm *inch*	50 *2*	100 *4*	–	–	50 *2*	100 *4*	–	–	–	w–			50 *2*	–
mm *inch*	75 *3*	100 *4*	75 *3*	100 *4*	75 *3*	100 *4*	75 *3*	150 *6*	75 *3*	100 *4*	75 *3*	203 *8*	–	75 *3*
mm *inch*	–	–	–	–	100 *4*	100 *4*	–	–	–	–			–	100 *4*
mm *inch*	–	–	–	–	100 *4*	150 *6*	–	–	–	–			–	–

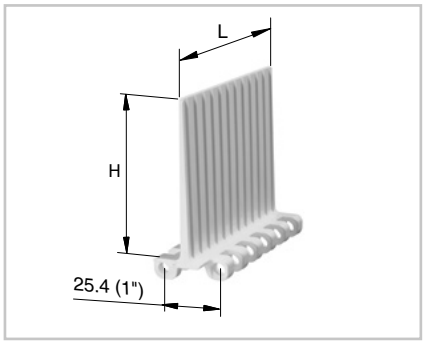
*Code xx = height of flight: 25 mm = 02 50 mm = 05 75 mm = 07 100 mm = 10
[1] ribs on one side [2] ribs on both sides [3] without ribs



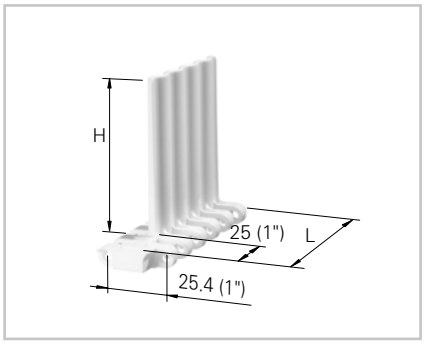
M2520Fxx
smooth side



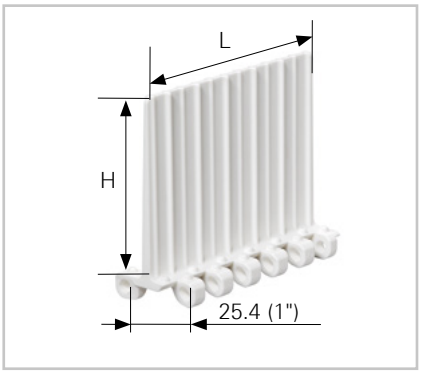
M2520Fxx
"no-cling"
side (ribs)



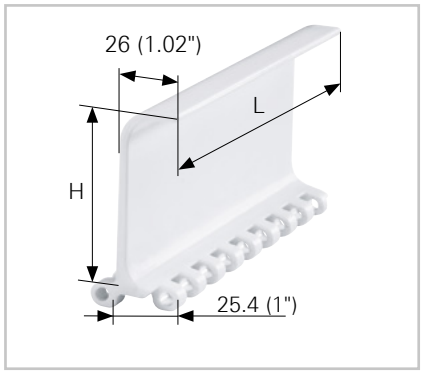
M2510Fxx
open hinge; "no-cling" side



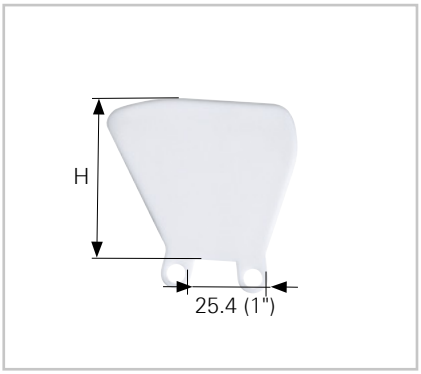
M253JF07, open hinge;
indent flight, corrugated



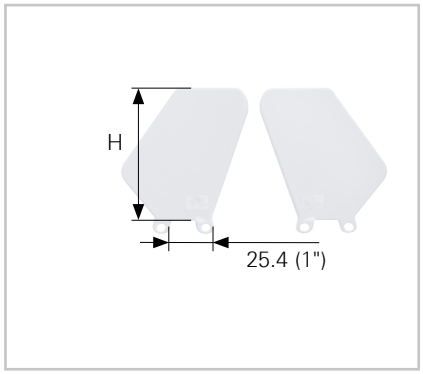
M2514F07



M2510B07, scoop open hinge

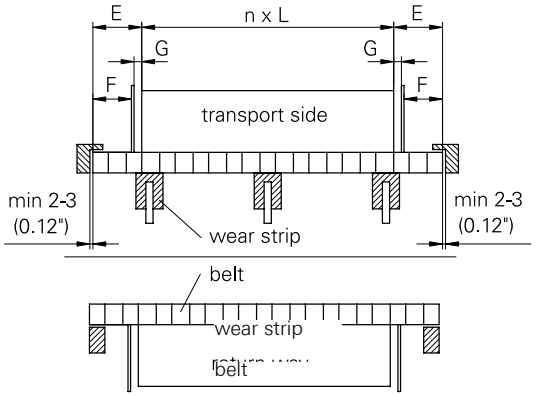


M2520G05

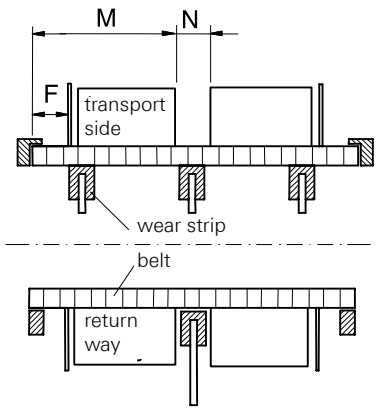


M252RG/FG10

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight, and F is the distance between belt edge and side guard. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0). For the Flush Grid, flight edge modules with indents are available (fixed indent see illustration).



Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on its return way or in back-bending applications. The notch width (N) and the distance M from the belt edge is a multiple of the link increment 16.67 mm *(0.66").* For M2500 series the minimum notch width is 33.3 mm *(1.31").*



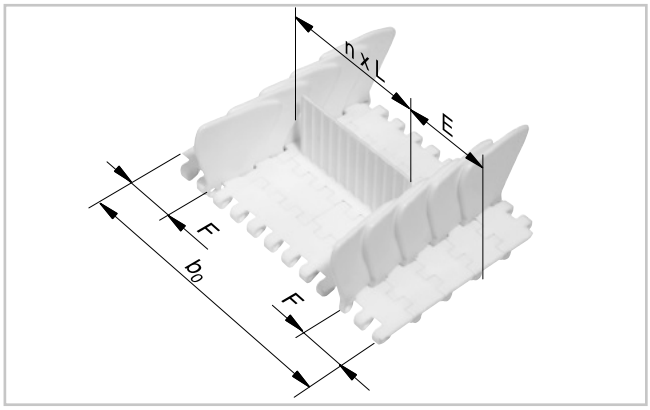
Installation of flights and side guards; indents

(For radius belts please refer to the specific data sheets.)

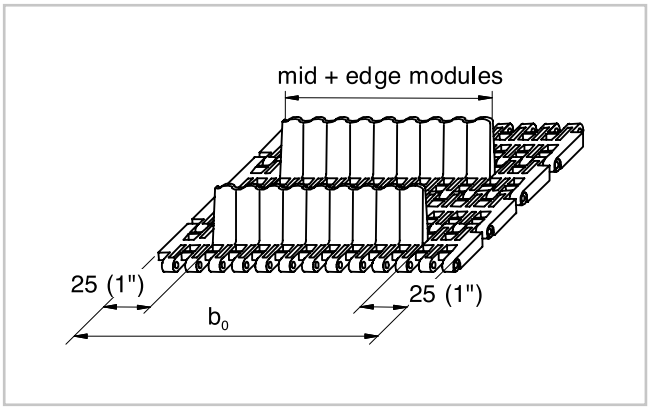
The side guards are usually installed with a gap (G) between the side guards and the flights. It is also possible to install the side guards with a minimum gap between flight and side guard of approx. 2 mm *(0.08")*.

There is a certain risk for rubbing and abrasion between the flights and the side guards. The distance between the side guards and the hold-down- and support shoes/wear strips should not be smaller than 5 mm *(0.2")*.

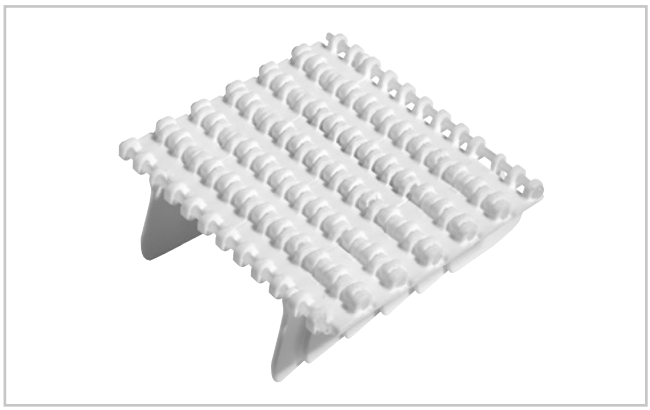
	Possible flight indents E (not for M2533F05 edge flight)									
	Flight only		**Flight + side guard with gap (G ~8 mm *(0.3")***				**Flight + side guard without gap (G ~2 mm *(0.08")***			
	E		E		F		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	*0*	–	–	–	–	–	–	–	–
Module cutting necessary	33	*1.3*	33	*1.3*	16	*0.65*	33	*1.3*	25	*1*
Standard, no module cutting	50	*2*	50	*2*	33	*1.3*	50	*2*	41	*1.6*
Module cutting necessary	66	*2.6*	66	*2.6*	50	*2*	66	*2.6*	58	*2.3*
Module cutting necessary	83	*3.2*	83	*3.2*	66	*2.6*	83	*3.2*	75	*3*
Standard, no module cutting	100	*4*	100	*4*	83	*3.2*	100	*4*	93	*3.7*



M2510 with flights M2510F05 and side guards



M2520G05 (top view)
Flush Grid flight M2533F07 + M253JF07



M2510 with flights M2510F05 and side guards
M2520G05 (bottom view)

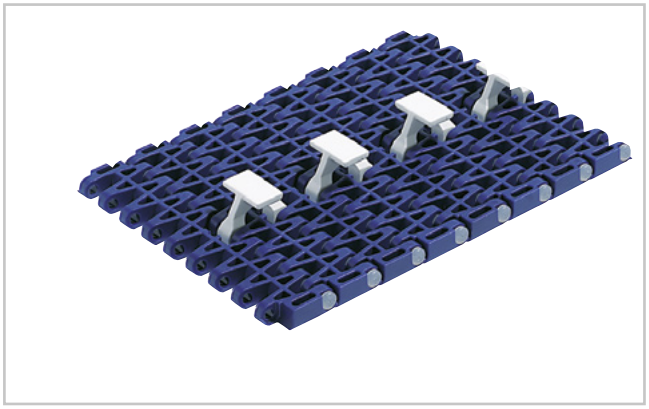
For elevators with back-bending (Z-conveyors) **hold-down devices** are used to keep the belt down when it is changing from horizontal to inclined direction. For wide belts (e.g. > 600 mm (23.6") wide), slider shoes on the belt edge are often not sufficient to keep it on the track. In such cases hold-down devices on the bottom side of the belt are used to guide it through the back-bending curve. Further details see design guide.

Compatibility: The hold-down device can be put into M2500 1" straight-running modular belt. The modules are inserted into the prepared position, one module every second row.
As long as link increment is (16.6 mm) respected, any position over the belt width is possible.
For a center positioning consider an offset "e" of 4.2 mm. Allow the necessary distance for the sprocket engagement!

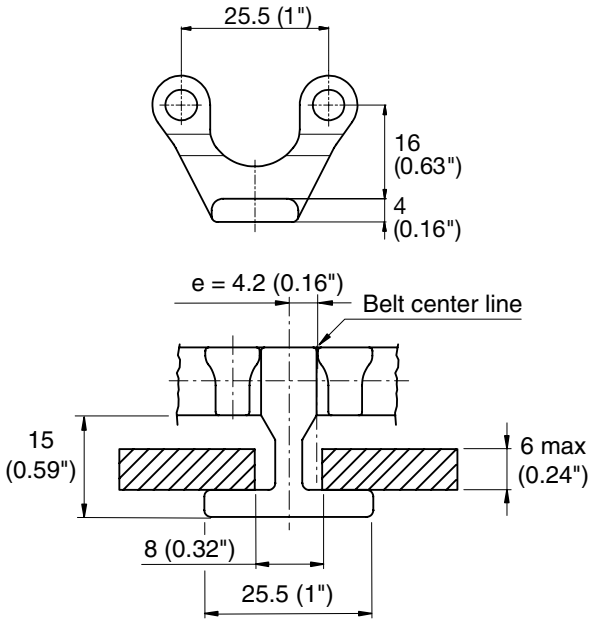
Back bending radius R: min 250 mm (10")

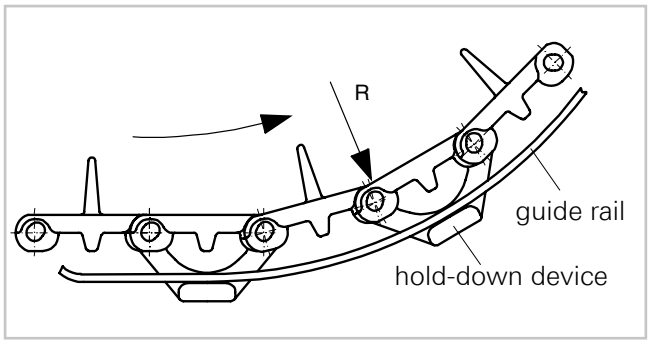
Sprockets: minimum size
M25S12 with 40 mm/1.5" square bore
M25S12 with 30 mm round bore
M25S10 with 1" square bore
M25S10 with 30 mm round bore

Standard materials: POM white
Other materials on request.



M2533 with M2500V01

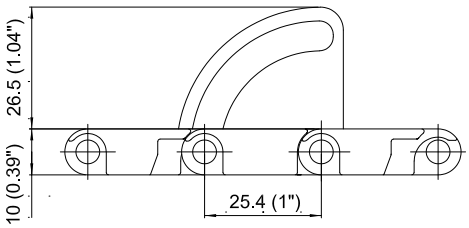




It is very important that the guide rail is very smooth, without joining. It is also important that enough clearance is provided to allow the belt to expand or shrink.

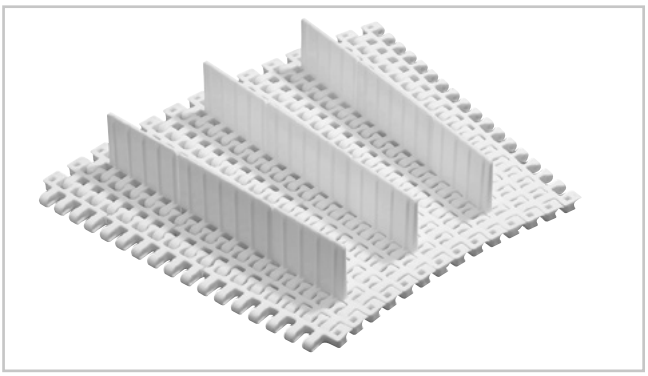
Pop-Up flight for 1" straight belts

Habasit code	Width W		Material	Suitable for
	mm	*inch*		
M25XPF0239-A0	32	*1,26*	PE natural white	M2510-M2520-M2533



HabasitLINK®
Accessories for series M2540

1" pitch belting
Flights, side guards and lane dividers M2540

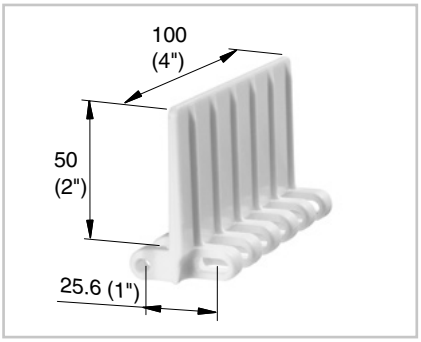


M2540 with middle and edge flights
M2540 with side guards and lane divider

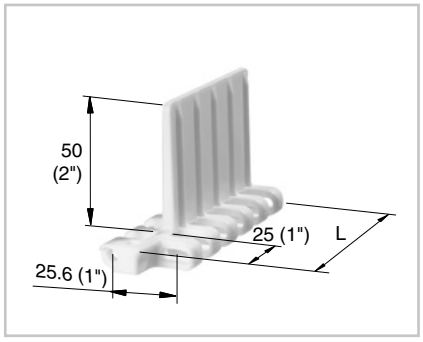


Flights are available in 50 mm (2") height, side guards and lane dividers in 25 mm (1") height, see illustrations below.

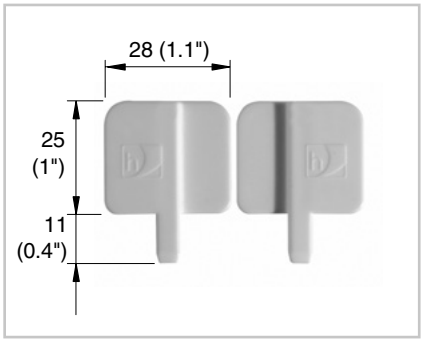
Flights are available with ribs on one side for better release of wet or sticky food products (no-cling). They can be cut to specific width and height if required. The collapse factor remains unchanged.



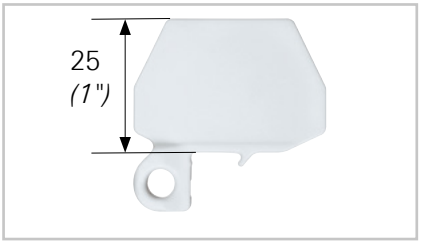
Middle flight
M2540F05



Edge flight
M254RF05 (right side)
M254LF05 (left side)



Clip-on side guards
M254RG02 (right side)
M254LG02 (left side)



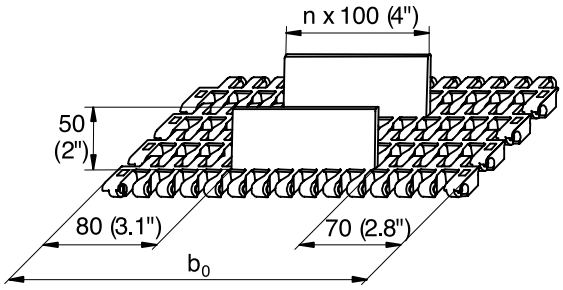
Lane divider
M2540W20

Standard range of belt widths b0 for belts with flights

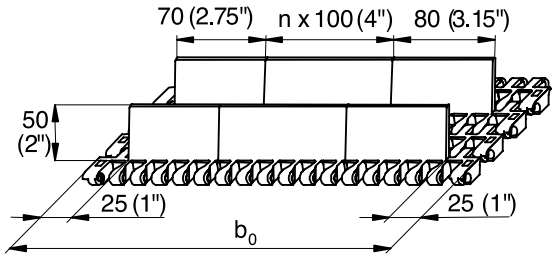
mm	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	etc.
inch (nom.)	*8*	*12*	*16*	*20*	*24*	*28*	*32*	*36*	*40*	*44*	*48*	*52*	*56*	*60*	*etc.*

Real belt widths are in most cases 0.1% to 0.3% smaller.

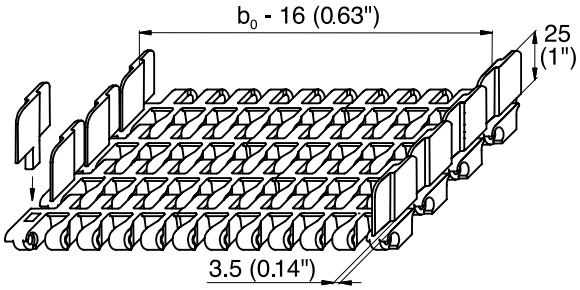
Assembly conceptions for M2540 radius belts, flights and side guards



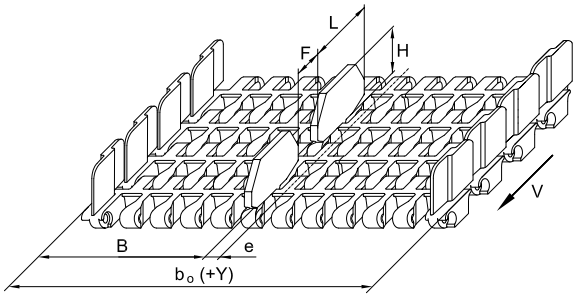
Middle flights only



Middle and edge flights



Side guards only (clip-on version)



Lane divider

Standard indents

The combination of flights and side guards is possible, but not recommended. With side guards hold-down modules must be used. On the return way the belt has to be supported either on the flights or between flights and side guards (gap only 15 mm (0.6") wide). Do not support or guide the belt on the hold-down tabs.

Indent	Left belt edge (running direction)	Right belt edge (running direction)
Middle flights only (no indent flights)	70 mm *(2.8")*	70 mm *(2.8")*
Middle flights and indent flights	25 mm *(1")*	25 mm *(1")*
Side guards	3.5 mm *(0.14")*	3.5 mm *(0.14")*

M2540 equipped with lane dividers

Min belt width		Standard width steps		Min edge distance		Offset to belt center		Distance lane divider		Height		Length	
B_0		Y		B		e*		F		H		L	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
400	*15.75*	50	*1.97*	191.7	*7.55*	0 or 8.3	*0 or 0.33*	25	*0.98*	25	*0.98*	36	*1.42*

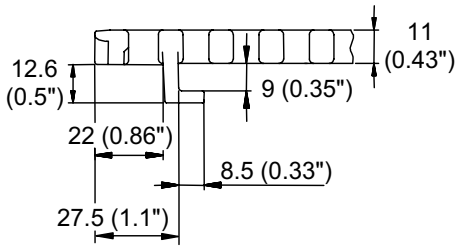
*If belt width b_0/16.66 (0.656) is an even number, the offset will be 8.3 mm *(0.33")* to left or right.
If the result is an odd number, there will be no offset for center lane dividers.
Do not place sprockets below lane dividers.
Consider belt travel direction v.

Hold-down tabs for M2540

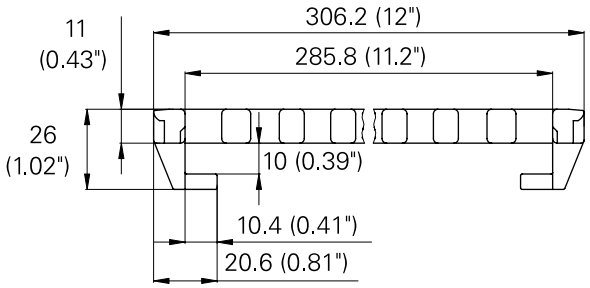
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges.

Hold-down edge modules M2540Hxx* and M2540 MTW

Hold-down tabs are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



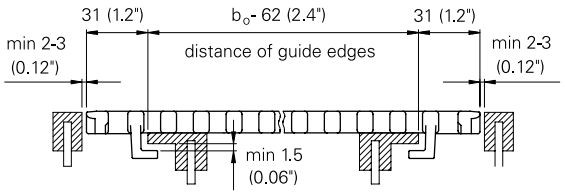
M2540Hxx



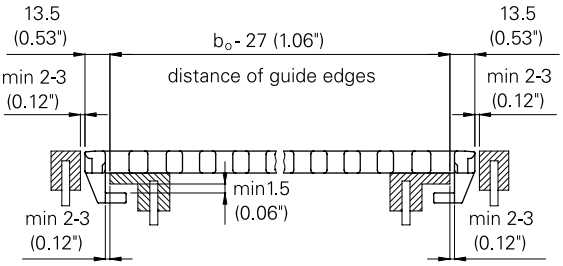
M2540 MTW

Installation

Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt.
For these reasons the conveyor needs to be designed with the appropriate accuracy.
Minimum belt width 150 mm (6") (2 sprockets) for use of hold-down edge modules and 250 mm for hold-down middle modules.



M2540Hxx



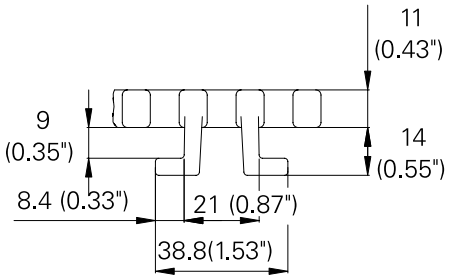
M2540 MTW

Hold-down device for M2540

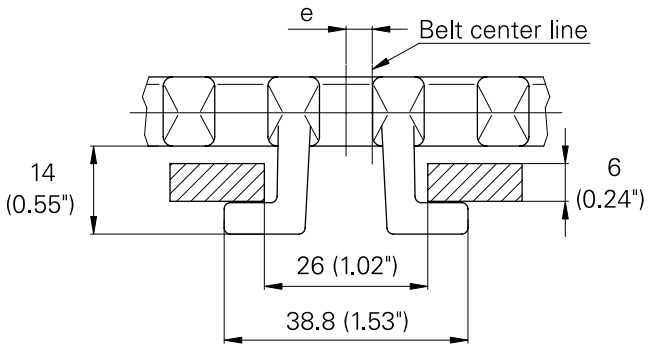
Hold-down middle module (M2540V00)

For elevators with back bending (Z-conveyors) hold-down devices are needed to keep the belt down when it is changing from horizontal to inclined direction. For wide belts (e.g. > 600 mm *(23.5")* wide) slider shoes on the belt edge are often not sufficient to keep it on the track. In such cases hold-down devices on the bottom side of the belt are used every second row to guide it through the back-bending curve. For belt width 300 mm + n * 100 mm the hook is placed in the belt center. For belt width 250 mm + n * 100 mm the hook has an offset of 25 mm left or right to the belt center. Please see table below.

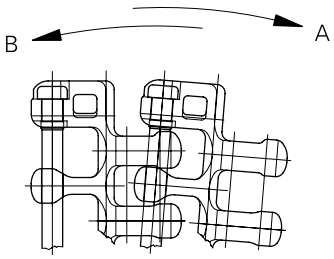
Belt width	Offset e	Running direction A	Running direction B
300	0	–	–
350	25	to the left	to the right
400	0	–	–
450	25	to the left	to the right
500	0	–	–
550	25	to the left	to the right
600	0	–	–
650	25	to the left	to the right
700	0	–	–
750	25	to the left	to the right
800	0	–	–
850	25	to the left	to the right
900	0	–	–



M2540V10



M2540V10



Sprocket sizes

The combination sprocket/shaft size has to be selected in such a way to avoid collision of the hold-down tabs with the shaft. Minimum sprocket sizes: M25S1002Q, M25S1030R, M25S1240Q.

Note

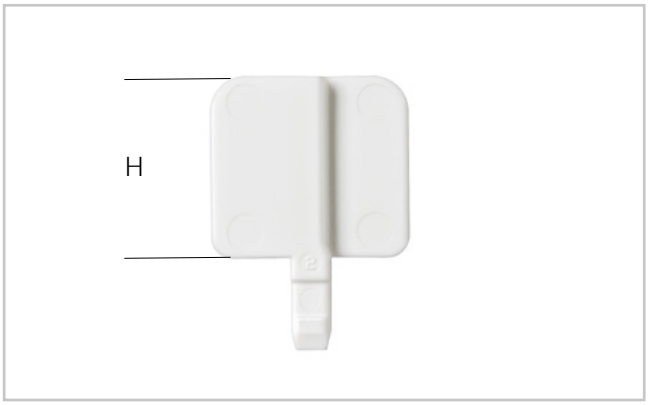
The hold-down device is not recommended to be used for radial guidance. They can be worn away quickly. Also, they should not be used to hang-up the belt on the return path.
Further design indications see Design Guide Radius Belts and Slider Support Systems.

* Available edge module length same as with standard edge module

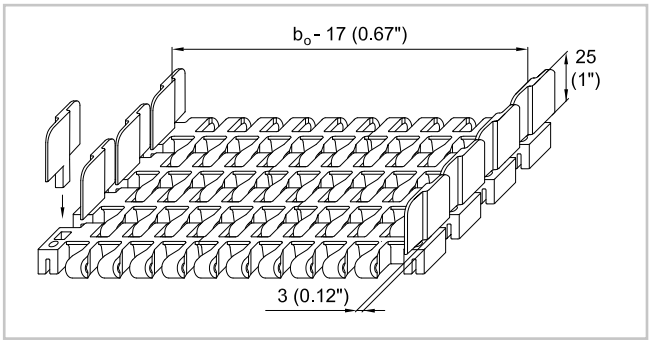
Side guards and lane dividers M2544



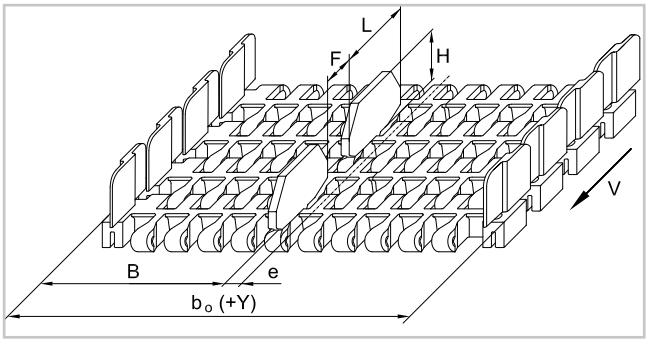
Side guards and lane dividers
M2544



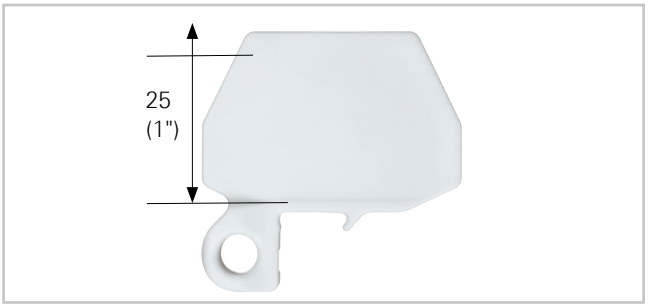
Clip-on side guard
M2544G02



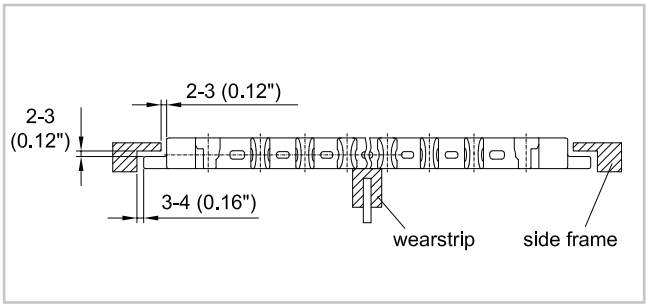
Side guards
clip-on version



Lane divider



Lane divider
M2544W02



Side tabs
M2544

M2544 equipped with lane dividers

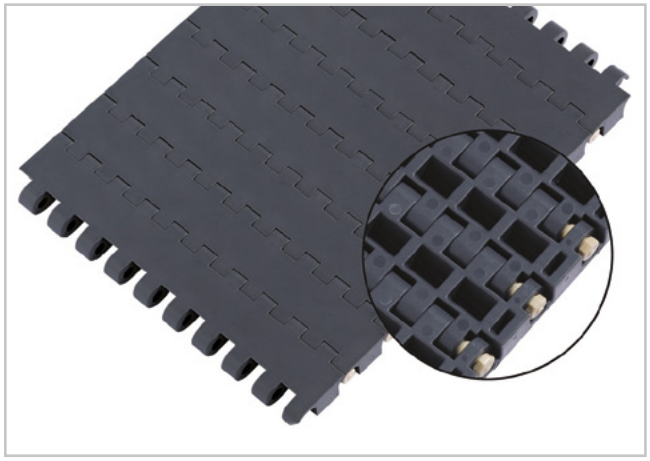
Min belt width		Standard width steps		Min edge distance		Offset to belt center		Distance lane divider		Height		Length	
B_0		Y		B		e*		F		H		L	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
400	*15.75*	50	*1.97*	191.7	*7.55*	0 or 8.3	*0 or 0.33*	16	*0.63*	25	*0.98*	34.8	*1.37*

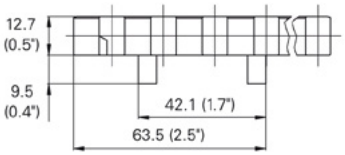
*If belt width b0/16.66 (0.656) is an even number, the offset will be 8.3 mm (0.33") to left or right.
If the result is an odd number, there will be no offset for center lane dividers.
Do not place sprockets below lane dividers.
Consider belt travel direction v.

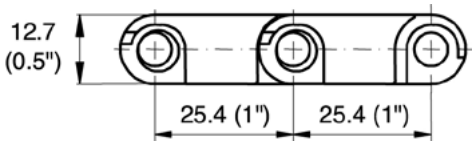
HabasitLINK®
M2620 Flat Top Heavy Duty 1"

Description
- Heavy duty belt
- 12.7 mm (*0.5"*) thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 6 mm (*0.22"*)
- Smart Fit rod retention

Available accessories
- Tab modules with 2 tabs
- Code: -T2 double tab







Belt data

Belt material		POM		POM+AS
Rod material		PA	PBT	PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	45000 *3083*	35000 *2397*	40500 *2774*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	14.0 *2.88*	14.0 *2.88*	14 *2.88*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

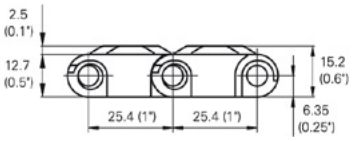
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (*3.35"*). Non-standard widths are offered in increments of 17 mm (*0.67"*). Smallest possible width 85 mm (*3.35"*).

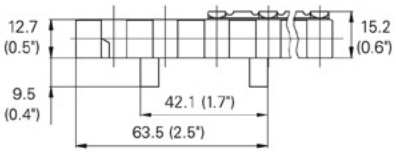
HabasitLINK®
M2620 GripTop 1"

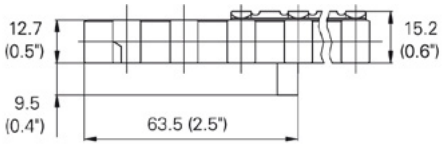
Description
- Heavy duty belt
- High strength and stiffness
- 0% open area
- Abrasion resistant GripTop, high friction
- Closed hinge
- Rod diameter 6 mm (*0.22"*)
- Smart Fit rod retention



Available accessories
- Fully covered by GripTop or in rows of any distance in multiples of 25.4 mm (*1"*)
- With indent 43 mm (*1.7"*) or without indent
- Tab modules with and without indent
- Code: -T1 single tab / -T2 double tab







Belt data

Belt material		**POM**
GripTop material		**TPE**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	33000 2260
Temperature range	°C *°F*	-40 - 60 -40 - 140
Belt weight m_B	kg/m² *lb/sqft*	14.4 2.95

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (*3.35"*). Non-standard widths are offered in increments of 17 mm (*0.67"*). Smallest possible width 85 mm (*3.35"*).

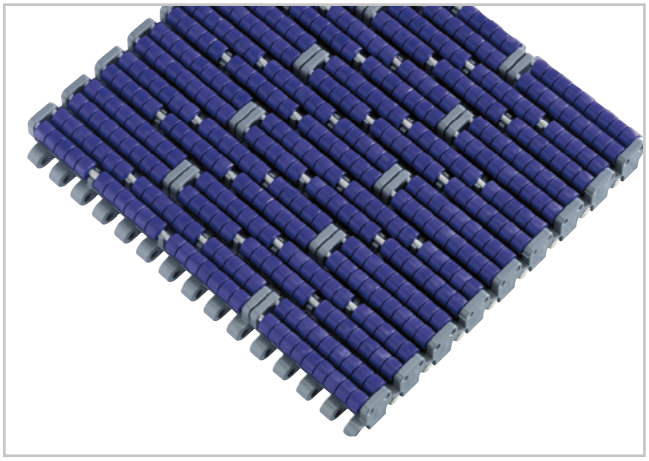
HabasitLINK®
M2620 Roller Top - LBP 1"

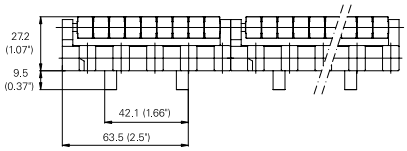
Description

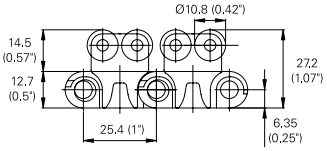
- 0% open area
- Low noise accumulation rollers
- Rod diameter: 6 mm (*0.22"*)
- Smart Fit rod retention
- Food approved materials available
- Back bending radius: 200 mm (*8"*)
- Optimized for Low Back Pressure (LBP) accumulation

Available accessories

- Tab modules with 2 tabs (Code: -T2 double tab)







Belt data

Belt material		PP
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	26500 *1815*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	19.0 *3.90*

Diameter of idling rollers (minimum)	
mm	*inch*
50	*2.00*

Standard range of belt widths b_0

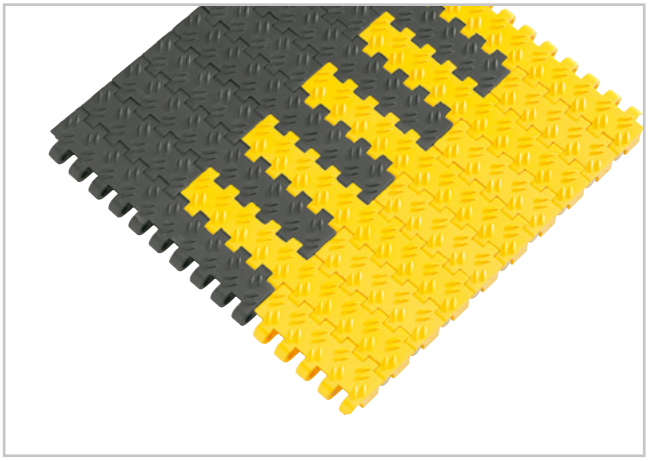
mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

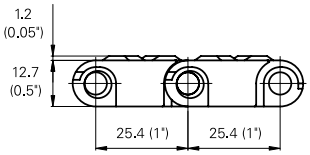
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (*3.35"*). Smallest possible width 85 mm (*3.35"*).
Non-bricklayed belts 85 mm (*3.35"*) and 170 mm (*6.69"*) wide.

HabasitLINK®
M2623 Non Slip 1"

Description

- 0% open area
- Closed hinge
- Safe Non Slip profile for people mover applications
- Rod diameter 6 mm (*0.22"*)
- Smart Fit rod retention
- Standard belt material is antistatic
- Electro conductive and flame retardant materials available
- Also available with pattern free indent 85 mm (*3.35"*)





Belt data

Belt material		POM+AS
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	40500 *2774*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	14.4 *2.94*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

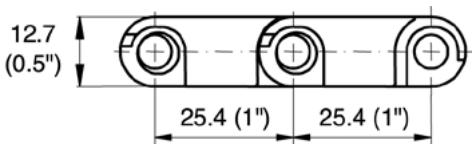
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (*3.35"*). Non-standard widths are offered in increments of 17 mm (*0.67"*). Smallest possible width 85 mm (*3.35"*).

HabasitLINK®
M2626 Diamond Top Heavy Duty 1"

Description

- Diamond Top surface for easy product release
- Heavy duty belt
- 12.7 mm (0.5") thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 6 mm (0.22")
- Smart Fit rod retention





Belt data

Belt material		PBT	PP	
Rod material		**PBT**		**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	45000 *3082*	26500 *1815*	24000 *1644*
Temperature range	°C *°F*	-40 - 120 *-40 - 248*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	14.5 *2.98*	9.1 *1.87*	9.1 *1.87*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

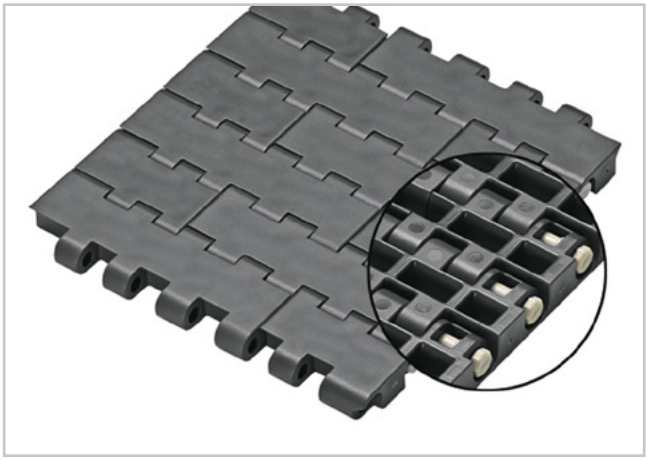
mm (nom.)	85	170	255	340	425	510	595	680	765	850	935	1020	1105	etc.
inch (nom.)	*3.35*	*6.69*	*10.04*	*13.39*	*16.73*	*20.08*	*23.43*	*26.77*	*30.12*	*33.46*	*36.81*	*40.16*	*43.50*	*etc.*

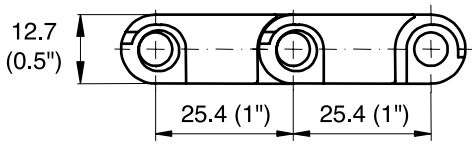
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 85 mm (3.35"). Non-standard widths are offered in increments of 17 mm (0.67"). Smallest possible width 85 mm (3.35").

HabasitLINK®
M2670 Flat Top Heavy Duty 1"

Description
- Heavy duty belt
- Imperial widths
- 12.7 mm (*0.5"*) thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 6 mm (*0.22"*)
- Smart Fit rod retention

Available accessories
- GripTop modules





Belt data

Belt material		POM	
Rod material		**PA**	**PBT**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	33000 *2261*	25000 *1713*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.8 *2.83*	13.8 *2.83*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Standard range of belt widths b_0

mm (nom.)	152.4	203.2	254	304.8	355.6	406.4	457.2	508	558.8	609.6	660.4	711.2	762	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths in increments of *2.0*" (50.8 mm). Non-standard widths are offered in increments of *1.0*" (25.4 mm). Smallest possible width *6.0*" (152.4 mm).

HabasitLINK®
M2670 Flat Top Heavy Duty 1" MTW

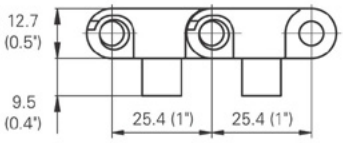
Description

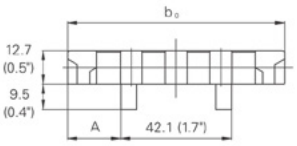
- Mold to width heavy duty belt
- Imperial widths
- 12.7 mm (0.5") thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 6 mm (0.22")
- Smart Fit rod retention
- Two versions:
  - M2670Kxx (modules without tabs),
  - M2670Kxx-T2 (modules with 2 tabs)



Available accessories

- For standard guiding profiles, refer to the HabiPLAST® brochure





Belt data

Belt material	Nominal belt width b_0		A		Belt mat-erial	Rod mat-erial	Nominal tensile strength F_N straight run		Belt weight m_B	
Rod material	mm	*inch*	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
M2670K03-T2	82.6	*3.3*	20.1	*0.80*	PP	PP	1700	383	0.81	*0.54*
M2670K03-T2	82.6	*3.3*	20.1	*0.80*	POM	PA	3200	720	1.16	*0.78*
M2670K03-T2	82.6	*3.3*	20.1	*0.80*	POM	PBT	2200	495	1.16	*0.78*
M2670K03-T2	82.6	*3.3*	20.1	*0.80*	PP	POM	1800	405	0.81	*0.54*
M2670K03-T2	82.6	*3.3*	20.1	*0.80*	PP	PA	1800	405	0.81	*0.54*
M2670K04-T2	114.3	*4.5*	36.0	*1.40*	PP	PA	2600	585	1.13	*0.76*
M2670K04-T2	114.3	*4.5*	36.0	*1.40*	PP	POM	2600	585	1.13	*0.76*
M2670K04-T2	114.3	*4.5*	36.0	*1.40*	PP	PP	2300	518	1.13	*0.76*
M2670K04-T2	114.3	*4.5*	36.0	*1.40*	POM	PA	4500	1013	1.62	*1.09*
M2670K04-T2	114.3	*4.5*	36.0	*1.40*	POM	PBT	3400	765	3.62	*1.09*

M2670K06-T2	152.4	*6.0*	55.1	*2.20*	PP	POM	3800	855	1.54	*1.03*
M2670K06-T2	152.4	*6.0*	55.1	*2.20*	POM	PBT	4600	1035	2.21	*1.49*
M2670K06-T2	152.4	*6.0*	55.1	*2.20*	P	PA	3800	855	1.54	*1.03*
M2670K06-T2	152.4	*6.0*	55.1	*2.20*	POM	PA	6100	1372	2.21	*1.49*
M2670K06-T2	152.4	*6.0*	55.1	*2.20*	PP	PP	3200	720	1.54	*1.03*
M2670K07-T2	190.5	*7.5*	74.1	*2.90*	PP	PP	4800	1080	1.86	*1.25*
M2670K07-T2	190.5	*7.5*	74.1	*2.90*	PP	PA	5000	1125	1.86	*1.25*
M2670K07-T2	190.5	*7.5*	74.1	*2.90*	POM	PBT	5700	1283	2.67	*1.79*
M2670K07-T2	190.5	*7.5*	74.1	*2.90*	POM	PA	8000	1800	2.67	*1.79*
M2670K07-T2	190.5	*7.5*	74.1	*2.90*	PP	POM	5000	1125	1.86	*1.25*

The belt weights are indicated for belts with tabs, the weight of belts without tabs are lower by circa 0.05 kg/m(*0.03 lb/ft*).
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	*-40 °F to +200 °F*
POM	PBT	-40 °C to +93 °C	*-40 °F to +200 °F*
P	PA	+5 °C to +105 °C	*+40 °F to +220 °F*
P	POM	+5 °C to +93 °C	*+40 °F to +200 °F*
P	PP	+5 °C to +105 °C	*+40 °F to +220 °F*

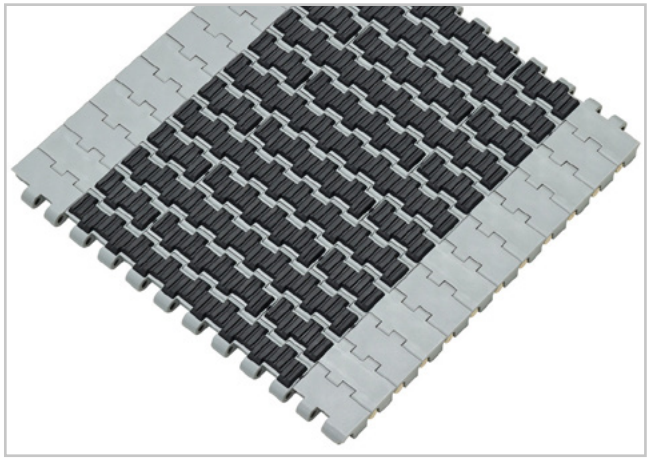
HabasitLINK®
M2670 GripTop 1"

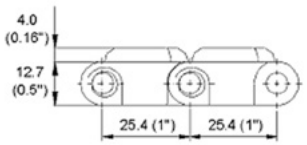
Description

- Heavy duty belt
- Imperial widths
- 12.7 mm (*0.5″*) thick
- High strength and stiffness
- Abrasion resistant GripTop, High friction
- 0% open area
- Closed hinge
- Rod diameter 6 mm (*0.22″*)
- Smart Fit rod retention

Available accessories

- In rows of any distance in multiples of 25.4mm (*1″*)
- With indent 50.8mm (*2″*)





Belt data

Belt material		PP		
GripTop material		TPE		
Rod material		PA	POM	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20900 *1432*	20900 *1432*	18200 *1247*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	11.6 *0.79*	11.6 *0.79*	11.6 *0.79*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	6

Standard range of belt widths b_0

mm (nom.)	152.4	203.2	254	304.8	355.6	406.4	457.2	508	558.8	609.6	660.4	711.2	762	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*etc.*

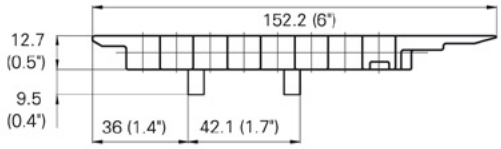
Actual belt widths are in most cases 0.1% to 0.3% wider.
For PP material up to 750 mm (*30*") -2 mm to 1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths in increments of *2*" (50.8 mm). Non-standard widths are offered in increments of *1*" (25.4 mm). Smallest possible width *6.0*" (152.4 mm).

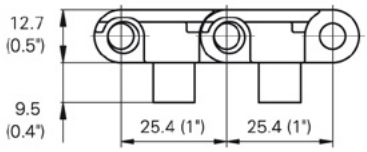
HabasitLINK®
M2670 ActivXchange 1"

Description

- 0% open area
- Solid plate
- Smooth and flat surface with flush edges
- Designed for 90° self clearing transfer
- Suitable for 114.3 mm (*4.5*") track
- 12.7 mm thick
- Rod diameter 6 mm
- Smart Fit rod retaining
- Food approved materials available
- Robust design
- Suitable with all M2600 sprockets
- Tracking tabs for belt guiding







Belt data

	Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
			N	*lbf*	kg/m	*lb/ft*
M2670L04	POM+LF	PA	3800	*855*	1.78	*1.20*

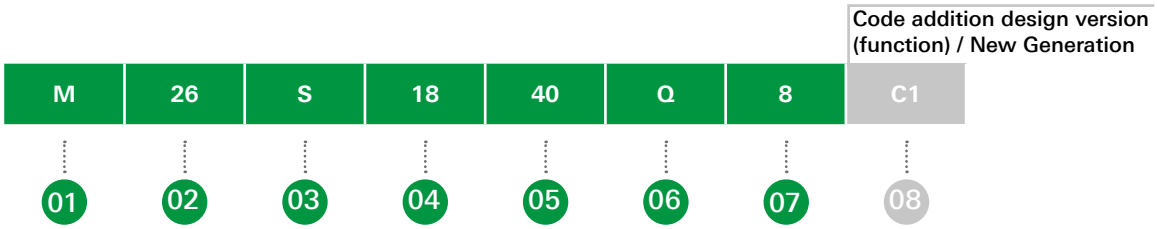
Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	*100*	*4*

Temperature range

Module material	Rod material	Temperature range	
POM +LF	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
Sprocket series M2600



01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

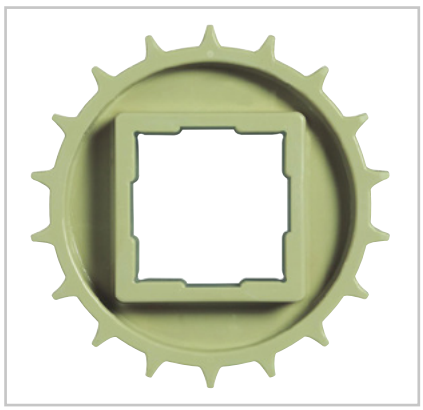
07 Material: 8 = PA; 6 = POM

08 C1 = Machined
H = for multihub sprockets

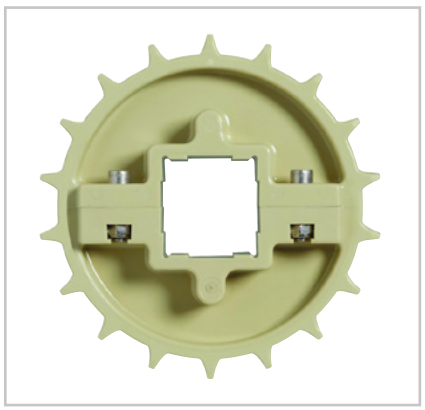
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	18	147.7	*5.8*	69.3	*2.73*	40	*1.57*	60				PA
S-C1	12	99.1	*3.9*	44.5	*1.75*	29	*1.12*	40	*1.5*	40	*1 / 1.5*	PA
S-C1	16	131.5	*5.2*	61.0	*2.40*	29	*1.12*	40	*1.5*	30 / 40	*1 / 1.5*	PA
S-C1	18	147.7	*5.8*	69.3	*2.73*	29	*1.12*	40		30 / 40	*1.5*	PA
S-C1	21	172.1	*6.8*	81.7	*3.22*	29	*1.12*	40 / 60	*1.5 / 2.5*	30 / 40	*1*	PA
Z	18	147.7	*5.8*	69.3	*2.73*	50	*1.97*	40	*1.5*			PA
Z-C1	12	99.1	*3.9*	44.5	*1.75*	29	*1.12*	25	*1*	25	*1*	PA
Z-C1	16	131.5	*5.2*	61.0	*2.40*	29	*1.12*	40	*1.5*	30 / 40	*1 / 1.5*	PA
Z-C1	18	147.7	*5.8*	69.3	*2.73*	29	*1.12*	60	*2.5*	30 / 40	*1 / 1.5*	PA
Z-C1	21	172.1	*6.8*	81.7	*3.22*	29	*1.12*	40 / 60	*1.5 / 2.5*	30 / 40	*1 / 1.5*	PA
Z-H	12	99.1	*3.9*	43.2	*1.70*	51	*2.00*	40	*1.5*		*1/1 3/16*	PA+GS
Z-H	16	131.5	*5.2*	59.4	*2.34*	51	*2.00*	40 / 60	*1.5 / 2.5*	40 / 50	*1/1 7/16*	PA+GS
Z-H	18	147.7	*5.8*	69.3	*2.73*	51	*2.00*	40 / 60	*1.5 / 2.5*	40 / 50	*1/1 7/16*	PA+GS
Z-H	21	172.1	*6.8*	81.7	*3.22*	51	*2.00*	40 / 60	*1.5 / 2.5*	40 / 50	*1/1 7/16*	PA+GS

S, Z: molded sprockets; S-C1, Z-C1: machined sprockets; Z-H: Multi-Hub sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials and **Multi-Hub sprockets** (split sprockets with interchangeable hubs) are available on request.



Sprocket one-piece (solid)

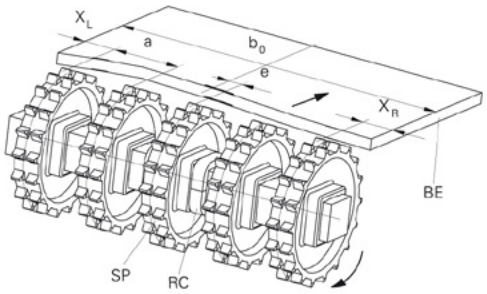


Split sprocket

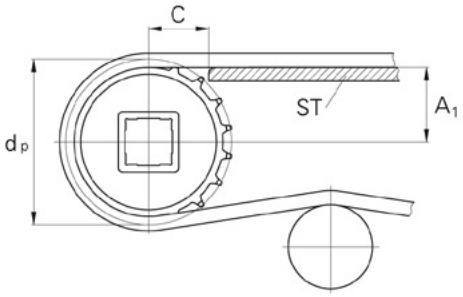


Multi-Hub sprocket (Z-H)

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm *(1.1")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	mm *inch*	mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M2620	85 *3.35*	170 *6.7*	42.5 *1.67*	42.5 *1.67*	b_0 / 17 *b_0 / 0.67*	even number (2, 4, 6...)	8.5 *0.33*	right or left side
						odd number (3, 5, 7...)	0 *0*	no offset
M2670	76.2 *3.0*	152.4 *6.0*	40.0 *1.57*	40.0 *1.57*	b_0/25.4 *b_0/1.0*	even number (2, 4, 6...)	12.7 *0.5*	right or left side
						odd number (3, 5, 7...)	0 *0*	no offset
M2670K03	n.a.	n.a.	41.5 *1.63*	41.5 *1.63*	n.a.	n.a.	n.a.	fixed number of sprockets in dedicated position
						n.a.	*n.a.*	fixed number of sprockets in dedicated position
M2670K04	n.a.	n.a.	57 *2.24*	57 *2.24*	n.a.	n.a.	n.a.	fixed number of sprockets in dedicated position
						n.a.	*n.a.*	fixed number of sprockets in dedicated position
M2670K06	n.a.	n.a.	25.1 *0.99*	25.1 *0.99*	n.a.	n.a.	n.a.	fixed number of sprockets in dedicated position
						n.a.	*n.a.*	fixed number of sprockets in dedicated position
M2670K07	n.a.	n.a.	27.2 *1.07*	27.2 *1.07*	n.a.	n.a.	n.a.	fixed number of sprockets in dedicated position
						n.a.	*n.a.*	fixed number of sprockets in dedicated position

Numbers of sprockets and wearstrips for M2620, M2626

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
85	*3.3*	1*	2	2
170	*6.7*	2	2	2
255	*10.0*	2	2	2
340	*13.4*	2	2	2
425	*16.7*	3	3	3
510	*20.1*	3	3	3
595	*23.4*	4	4	3
680	*26.8*	4	4	3
765	*30.1*	5	5	4
850	*33.5*	5	5	4
935	*36.8*	6	6	4
1’105	*43.5*	7	7	5
1’190	*46.9*	7	7	5
1’275	*50.2*	8	8	5
1’360	*53.5*	8	8	5
1’445	*56.9*	9	9	6
1’530	*60.2*	9	9	6
1’615	*63.6*	10	10	6
1’700	*66.9*	10	10	6
1’785	*70.3*	11	11	7
1’870	*73.6*	11	11	7
1’955	*77.0*	12	12	7
2’040	*80.3*	12	12	7

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

(*) Note: 2 sprockets are possible when using machined sprockets (width 28.5 mm)

Numbers of sprockets and wearstrips for M2670

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
152	*6*	2	2	2
203	*8*	2	2	2
254	*10*	2	2	2
305	*12*	2	2	2
356	*14*	3	3	3
406	*16*	3	3	3
457	*18*	3	3	3
508	*20*	5	4	3
559	*22*	5	4	3
610	*24*	5	4	3
660	*26*	5	4	3
711	*28*	5	5	4
762	*30*	5	5	4
813	*32*	5	5	4
864	*34*	5	5	4
914	*36*	7	6	4
1’067	*42*	7	7	5
1’219	*48*	9	8	5
1’372	*54*	9	8	5
1’524	*60*	9	9	6
1’829	*72*	11	11	6
2’134	*84*	13	13	6

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M2670 MTW (M2670Kxx)

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
82.6	*3.25*	1	1	2	2
114.3	*4.5*	1	1	2	2
152.4	*6.0*	3	2	2	2
190.5	*7.5*	3	2	2	2

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M2670 ActivXchange 1"

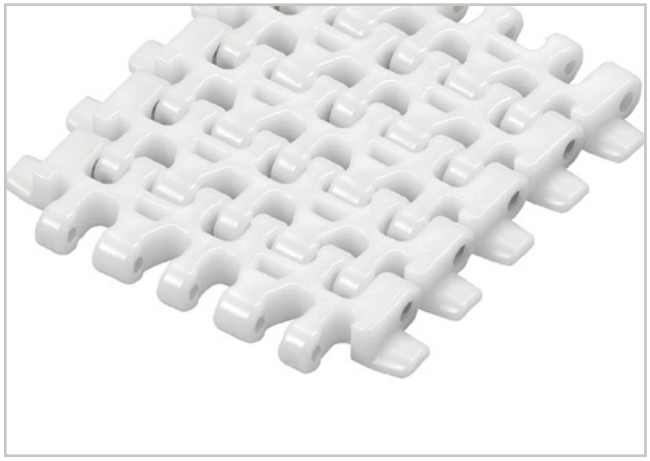
Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152.2	*6.0*	2	1	2	2

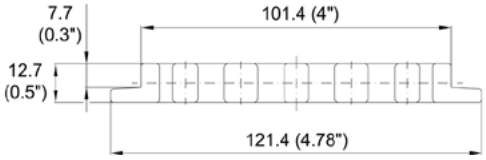
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

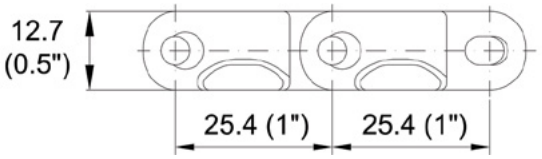
HabasitLINK®
M2791 Radius Flush Grid 1" MTW

Description

- Mold to width radius belt *4*" (101.4 mm) wide
- For radius and straight conveying
- Collapse factor 8.5
- 24% open area
- 38% open contact area
- largest opening 5.9 x 10.7 mm (*0.23*"x*0.42*")
- Easy to clean
- Smart Fit rod retention
- Rod diameter 5 mm (*0.2*")







Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Nominal tensile strength F_N in curve		Belt weight m_B	
	mm	*inch*			N	*lbf*	N	*lbf*	kg/m	*lb/ft*
M2791K04	101.4	*4.0*	POM	PA	1500	*338*	1500	*338*	*1.18*	*0.79*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	100	*4*	150	*6*

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
Sprocket series M2700

Code addition design version (function) / New Generation

M	27	S	12	40	Q	8	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

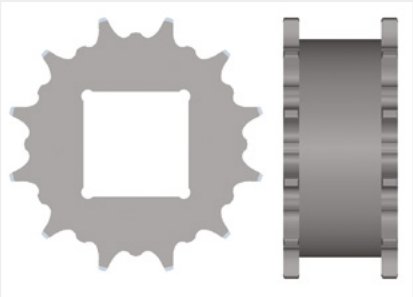
07 Material: 8 = PA; 6 = POM

08 C1 = Machined

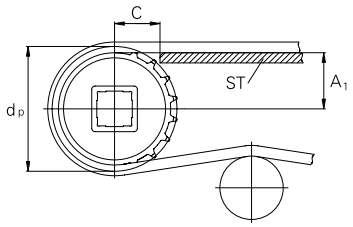
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
S-C1	12	98.7	*3.89*	43.3	*1.74*	42.2	*1.66*	40	*1.5*	-	-	PA
S-C1	18	147.1	*5.79*	69.0	*2.72*	42.2	*1.66*	60	*3*	60	*1.25*	PA

S-C1: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials are available on request.



Wear strip arrangement



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28 mm *(1.1")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

Sprocket positioning

One double row sprocket can be applied in the center of the belt only.



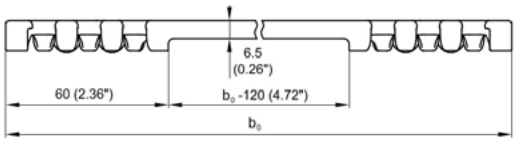
Running direction **A** is recommended

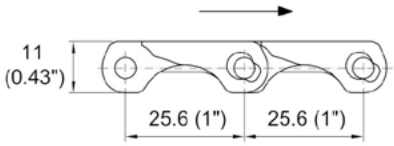
HabasitLINK®
M2960 Flat Top Super HyCLEAN 1" MTW

Description

- Super hygienic design for superior cleanbility
- Smooth flat surface without cavities in most of the bottom side
- Flush edges
- Imperial belt width
- 0% open area
- Mold To Width
- 11 mm (*0.43*") thick
- Rod diameter 4.5 mm (*0.18*"), two rodlets
- Smart Fit rod retaining headless







Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
M2960K10	254.0	*10.0*	POM	PBT	2000	*450*	2.21	*1.49*
M2960K12	304.8	*12.0*	POM	PBT	2000	*450*	2.64	*1.77*
M2960K14	355.6	*14.0*	POM	PBT	2000	*450*	3.07	*2.06*
M2960K16	406.4	*16.0*	POM	PBT	2000	*450*	3.50	*2.35*
M2960K20	508.0	*20.0*	POM	PBT	2000	*450*	4.33	*2.91*
M2960K24	609.6	*24.0*	POM	PBT	2000	*450*	5.21	*3.50*

Belt widths tolerance is in most cases -2 mm (*-0.08*") to 0 mm (*0*").

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*
50	*2.00*	50	*2.00*	*100*	*4*

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F

HabasitLINK®
Sprocket Series M2900 Super HyCLEAN

M	29	S	12	40	Q	6
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

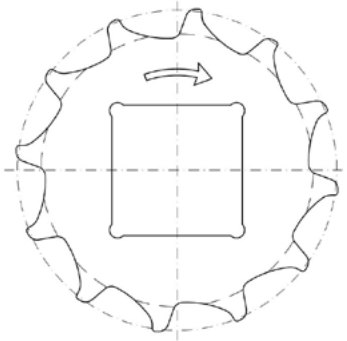
07 Material: 8 = PA; 6 = POM

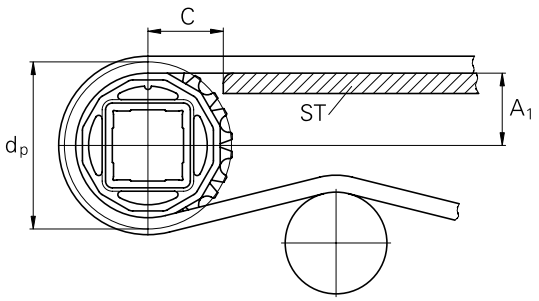
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
S-C2	10	83,5	*3.3*	37.6	*1.48*	40	*1.57*	40	*1*	30	*1*	POM
S-C2	12	99.7	*39*	45.8	*1.80*	40	*1.57*	40	*1*	30	*1*	POM
S-C2	15	124.1	*4.9*	58.3	*2.29*	40	*1.57*	40	*1*	30 / 80*	*1*	POM
S-C2	18	148.6	*5.9*	70.8	*2.79*	40	*1.57*			30		POM

S-CS: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
*For drummotors
Other materials are available on request.

Super HyCLEAN belts are driven by two sprockets only. For wide belts a center support disc is recommended. M2900 sprockets are unidirectional.

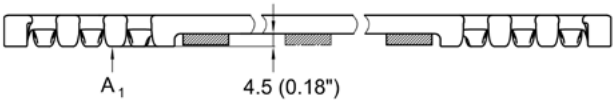




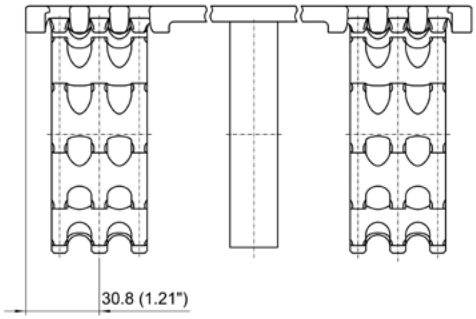
The distance C between the sprocket axis and the slider support ST is minimal 32 mm (1.26") for S12.

Sprocket positioning

Belt type	Sprocket edge distance (standard unidirectional)			
	X_L		X_R	
	mm	*inch*	mm	*inch*
M2900	30.8	*1.21*	30.8	*1.21*



Track the belt at edge or inside at recess by wear strips



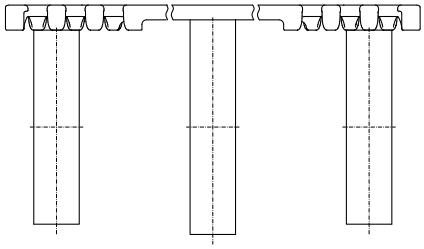
Sprockets (at belt edges) and support discs (in center) placement

Support disc diameter (dependent on sprocket size)

Number of sprocket teeth	Diameter of support discs	
	mm	*inch*
10	78	*3.07*
12	94	*3.70*
15	120	*4.72*
18	144	*5.67*

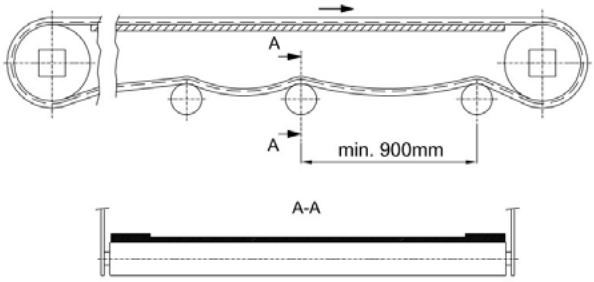
Edge roller and center roller diameter for M2900

Edge roller diameter		Center roller diameter	
mm	*inch*	mm	*inch*
50	*1.97*	54.2	*2.13*
60	*2.36*	*65.0*	*2.56*
70	*2.76*	*75.5*	*2.97*
80	*3.15*	*85.9*	*3.38*
90	*3.54*	*96.1*	*3.78*
100	*3.94*	*106.4*	*4.19*

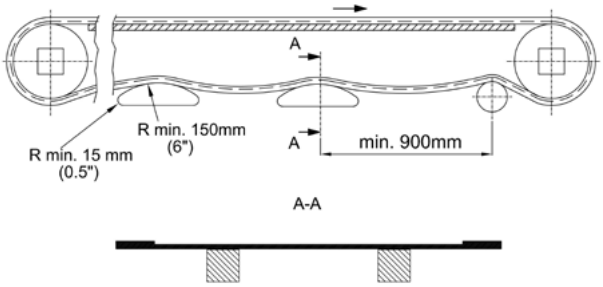


Numbers of support discs and wearstrips for M2900

Standard belt width (nominal)		Number of sprockets per shaft	Number of discs per shaft Minimum	Number of wearstrips	
mm	*inch*			Carryway	Returnway (bottom)
254	*10*	2	0	2	2
304.8	*12*	2	0	2	2
355.6	*14*	2	0	2	2
406.4	*16*	2	1	3	2
609.6	*24*	2	1	3	2



For belt support rollers over entire belt width are preferred

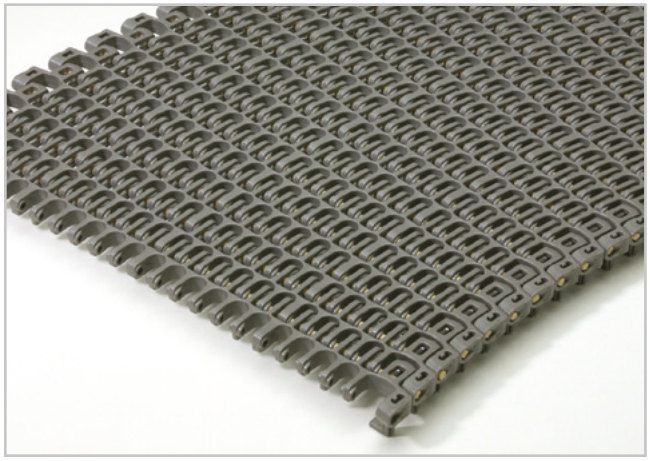


Static shoes

HabasitLINK®
IS610 Radius Flush Grid 1.0"

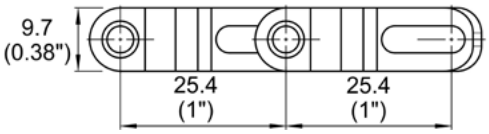
Description

- 46% open area; 77% open contact area;
- Flush Grid Surface; largest opening 7.3x9.5 mm *(0.29"x0.37")*
- For radius and straight conveying
- Nominal collapse factor: 2.2 for belts up to 609.6mm *(24")* wide
- Nominal collapse factor: 2.5 for belts over 609.6mm *(24")* wide
- Open hinge, Easy to clean
- Rod diameter 4.0 mm *(0.156")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories

- Flights
- GripTop modules
- Side guards
- Hold down tabs
- Rollers
- Saniclip



Belt data

Belt material		PA	POM	PP
Rod material		PA		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	15328 *1050*	15328 *1050*	10219 *700*
Nominal tensile strength F_N in curve [1]	N *lbf*	1334 *300*	1334 *300*	800 *180*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.4 *0.91*	6.4 *1.03*	3.4 *0.70*
Standard belt color		blue/dark gray	blue/gray	gray/white

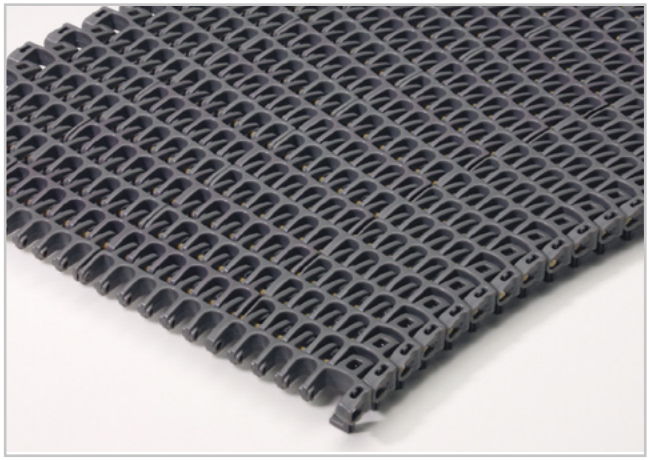
Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

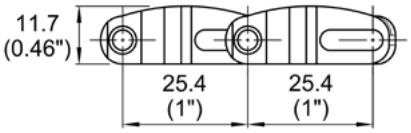
Belts are available in PP/PP+GR (PP rods) and PE (PE rods) materials for straight applications.
Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm)
Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *3*" (76.2mm) upon request.
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available.

HabasitLINK®
CT610 Radius Curve Top 1.0"

Description

- 46% open area; 88% open contact area;
- Curve Top Surface; largest opening 7.3x9.5 mm *(0.29"x0.37")*
- For radius and straight conveying
- Nominal collapse factor: 2.2 for belts up to 609.6mm *(24")* wide
- Nominal collapse factor: 2.5 for belts over 609.6mm *(24")* wide
- Open hinge, Easy to clean
- Belt creates circle for scraping with 9 tooth sprocket
- Rod diameter 4.0 mm *(0.156")*
- Snap fit rod retaining system
- Food approved materials available





Available accessories

- Flights
- GripTop modules
- Hold down tabs
- Saniclip

Belt data

Belt material		PA	POM	PP
Rod material		PA		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	15323 *1050*	15323 *1050*	10219 *700*
Nominal tensile strength F'_N in curve[1]	N *lb*	1334 *300*	1334 *300*	800 *180*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	5.0 *1.03*	5.9 *1.20*	4.0 *0.81*
Standard belt color		gray	blue/gray	gray

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Belts are available in PP (PP rods) and PE (PE rods) materials for straight applications
Standard range of belt widths in increments of 3" (76.2mm) starting from 6" (152.4mm) Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
*Indicated value for stiff products only. Softer products can have less open contact area.
Additional belt colors and materials available.

HabasitLINK®
IS610 Radius Grip Top 1.0"

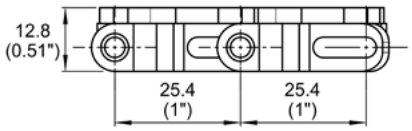
Description

- 46% open area; 63% open contact area;
- Flush Grid Rubber Surface; largest opening 7.3x9.5 mm *(0.29"x0.37")*
- For radius and straight conveying
- Nominal collapse factor: 2.2 for belts up to 609.6mm *(24")* wide
- Nominal collapse factor: 2.5 for belts over 609.6mm *(24")* wide
- Open hinge, Easy to clean
- Rod diameter 4.0 mm *(0.156")*
- Snap fit rod retaining system

Available accessories

- Flights
- Hold down tabs
- Saniclip





Belt data

Belt material		PP
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10215 *700*
Nominal tensile strength F'_N in curve[1]	N *lb*	800 *180*
Temperature range	°C *°F*	5 - 71 *40 - 160*
Belt weight m_B	kg/m² *lb/sqft*	3.4 *0.70*
Standard belt color		white with white TPE, gray with black TPE

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Standard range of belt widths in increments of 3" (76.2mm) starting from 6" (152.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Sprocket series IS610 / IS610 CT / IS610 GT

M	60	S	18	25	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



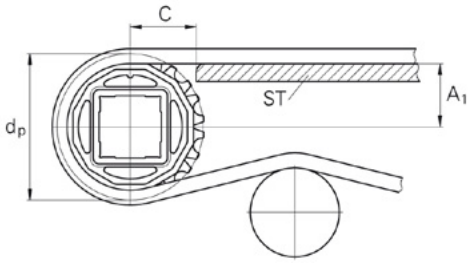
Molded sprocket



Machined sprocket



Puzzle split sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28mm *(1.10")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M60S	18	146,3	*5,76*	68,3	*2,69*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M60S	19	154,3	*6,08*	72,3	*2,85*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M60S	30	243,0	*9,57*	116,7	*4,59*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
71007M-WN-1 *	7	58,5	*2,30*	24,4	*0,96*	38	*1,50*				*1*	PA
71007M-WN-1SQ *	7	58,5	*2,30*	24,4	*0,96*	38	*1,50*		*1*			PA
71007M-WN-25MM *	7	58,5	*2,30*	24,4	*0,96*	38	*1,50*			25		PA
71007M-WN-30MM *	7	58,5	*2,30*	24,4	*0,96*	38	*1,50*			30		PA
71009M-WN-1	9	74,3	*2,92*	32,3	*1,27*	38	*1,50*				*1*	PA
71009M-WN-1-7/16 *	9	74,3	*2,92*	32,3	*1,27*	38	*1,50*				*1 7/16*	PA
71009M-WN-1SQ *	9	74,3	*2,92*	32,3	*1,27*	38	*1,50*		*1*			PA
71009M-WN-25MM	9	74,3	*2,92*	32,3	*1,27*	38	*1,50*			25		PA
71009M-WN-30MM *	9	74,3	*2,92*	32,3	*1,27*	38	*1,50*			30		PA
71012M-WN-1	12	98,1	*3,86*	44,2	*1,74*	38	*1,50*				*1*	PA
71012M-WN-1-7/16	12	98,1	*3,86*	44,2	*1,74*	38	*1,50*				*1 7/16*	PA
71012M-WN-1SQ	12	98,1	*3,86*	44,2	*1,74*	38	*1,50*		*1*			PA
71012M-WN-25MM	12	98,1	*3,86*	44,2	*1,74*	38	*1,50*			25		PA
71012M-WN-30MM	12	98,1	*3,86*	44,2	*1,74*	38	*1,50*			30		PA
71015M-WN-1	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*				*1*	PA
71015M-WN-1-1/2SQ	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*		*1,5*			PA
71015M-WN-1-1/4	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*				*1,25*	PA
71015M-WN-1-7/16	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*				*1 7/16*	PA
71015M-WN-30MM	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*			30		PA
71015M-WN-40MM	15	122,2	*4,81*	56,3	*2,21*	38	*1,50*			40		PA

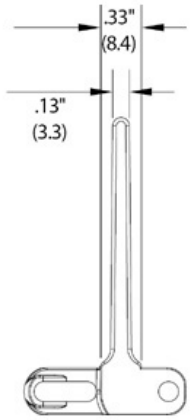
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.
* Cannot be used with belts with hold-down tabs

HabasitLINK®
Accessories for series IS610 and CT610

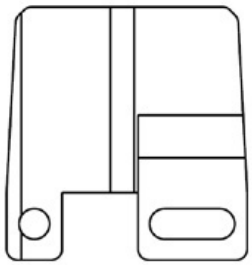
Flights for series IS610 and CT610 (radius)

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight straight		Side guard
Code	IS610XXXX-W/FT		IS/SG610
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	304.8 *12*	12.7 *0.5*
mm *inch*	50.8 *2*	304.8 *12*	25.4 *1*



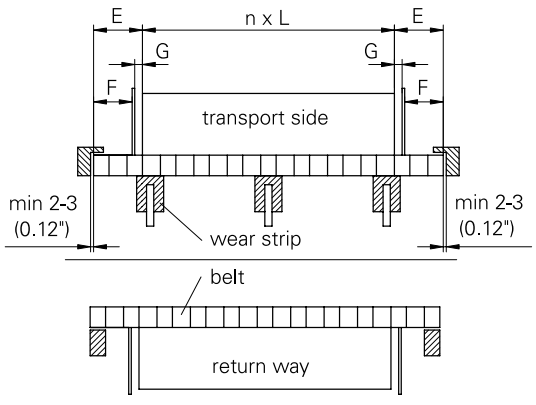
IS610XXXX-W/FT



S/SG610

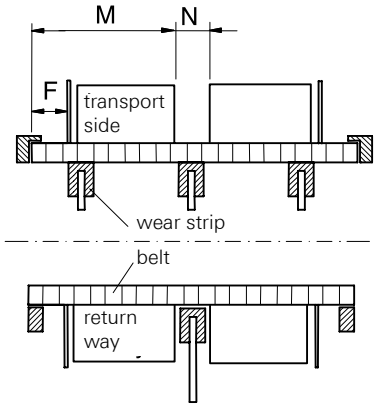
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (24") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (0.5"). For IS610 series the minimum notch width is 25.4 mm (1").



Installation of flights; indents

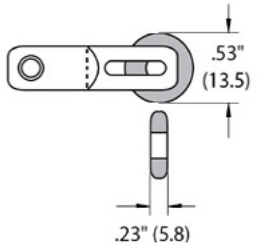
The distance between the flight and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (0.2").

	Possible flight indent E					
	*Flight only		*Flight + side guard with gap (G¯ 3.2 mm (0.13")			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	25.4	*1*	-	-	-	-
Module cutting necessary	38.1	*1.5*	38.1	*1.5*	25.4	*1*
Module cutting necessary	50.8	*2*	50.8	*2*	38.1	*1.5*
Module cutting necessary	63.5	*2.5*	63.5	*2.5*	50.8	*2*
Module cutting necessary	76.2	*3*	76.2	*3*	63.5	*2.5*

Flights and Side guard IS610
*CT610: Side guards not possible with CT610 belting (flights can be used)

Rollers

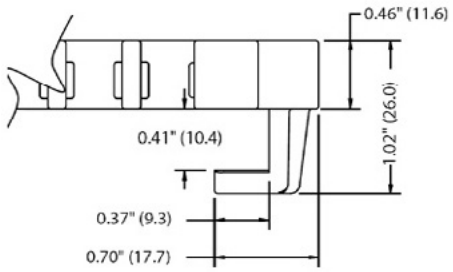
Rollers provide a low friction to product and are often used if product accumulates on the belt.
Note: The use of rollers will change the collapse factor to 3.5.



ROLLERS-XX-1/2

Hold down tabs for IS610 (radius)

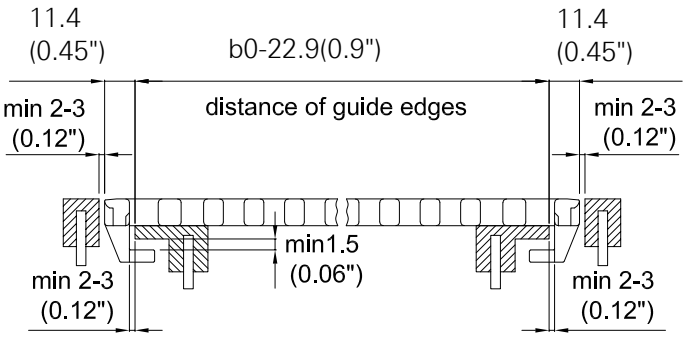
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension IS610XXXX-HDT-X are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



IS610XXXX-HDT-X

Installation

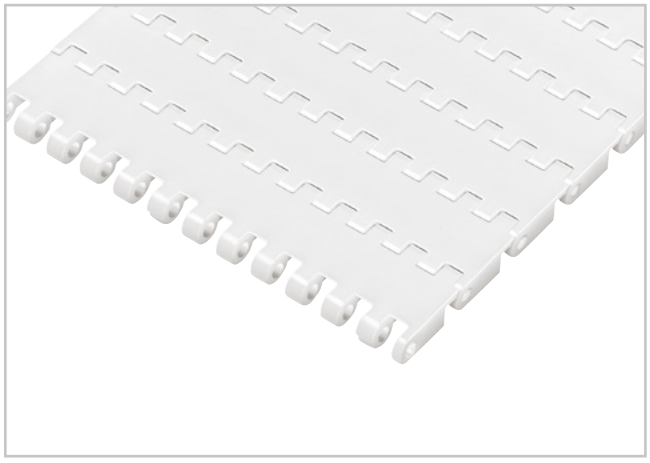
Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 76.2 mm (3") (1 sprockets).

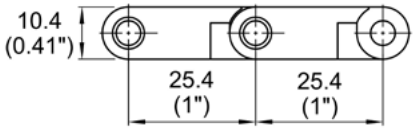


HabasitLINK®
ST610 Flat Top 1.0"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards





Belt data

Belt material		PE	POM	PP
Rod material		PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10216 *700*	15323 1050	12259 *840*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.1 *1.24*	9.9 *2.02*	6.0 *1.22*
Standard belt color		white	blue	white

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Standard range of belt widths in increments of 1" (25.4mm) starting from 6" (152.4mm)
Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request.
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
VT610 Vent Top 1.0"

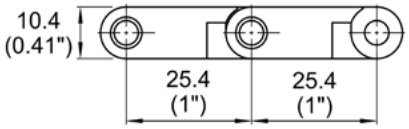
Description

- 5% open area; 17% open contact area;
- Vent Top Surface; largest opening 2.0x4.8 mm *(0.08"x0.19")*
- Closed hinge
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Side guards





Belt data

Belt material		PE	PP
Rod material		**PE**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10216 *700*	12259 *840*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.1 *1.25*	6.0 *1.22*
Standard belt color		white	white

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

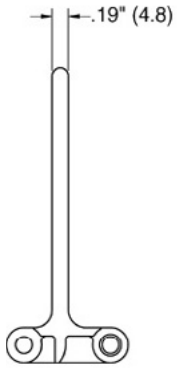
Standard range of belt widths in increments of 1" (25.4mm) starting from 6" (152.4mm)
Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request.
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
Accessories for series ST610 and VT610

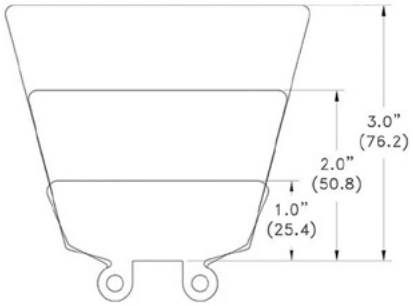
Flights and side guards for series ST610 and VT610

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight straight		Side guard
Code	ST610XXXX-W/FT		ST/SG610
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	152.4 *6*	25.4 *1*
mm *inch*	50.8 *2*	152.4 *6*	50.8 *2*
mm *inch*	76.2 *3*	152.4 *6*	76.2 *3*

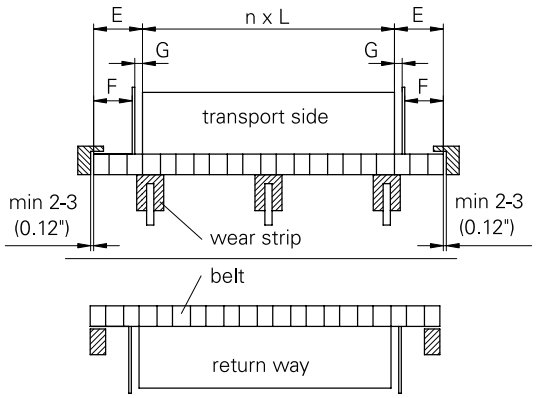


ST610XXXX-W/FT

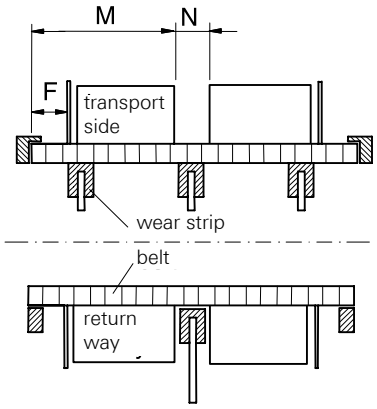


ST/SG610

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (24") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (0.5"). For IS610 series the minimum notch width is 25.4 mm (1").



Installation of flights and side guards; indents
The side guards are usually installed with a small gap between the side guards and the flights. The distance between the side guards and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (0.2").

	Possible flight indent E					
	Flight only		Flight + side guard with gap (G˜ 4.8 mm (0.19")			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	38.1	*1.5*	38.1	*1.5*	19.1	*0.75*
Module cutting necessary	50.8	*2*	50.8	*2*	31.8	*1.25*
Module cutting necessary	63.5	*2.5*	63.5	*2.5*	44,5	*1.75*
Module cutting necessary	76.2	*3*	76.2	*3*	57.2	*2.25*

Tab. 2 Flights and Side Guard ST610, VT610

HabasitLINK®
Sprocket series ST610 / VT610

M	T1	S	18	25	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

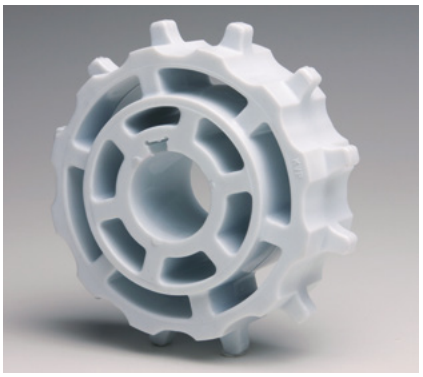
03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

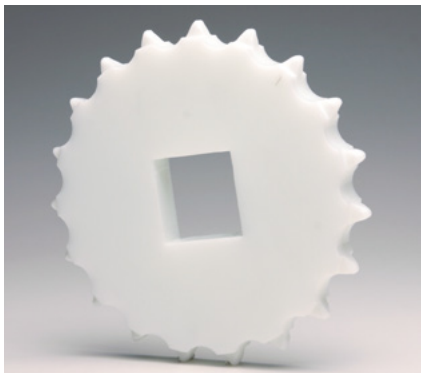
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

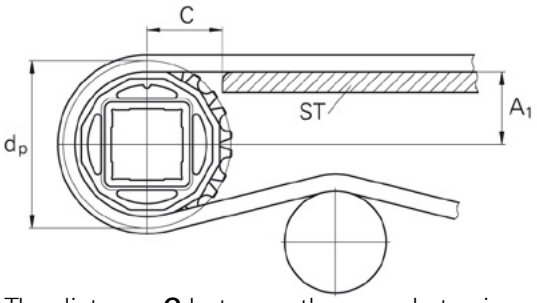
07 Material: 3 = UHMW; 8 = PA



Molded sprocket



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28mm *(1.10")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MT1S	18	146,3	*5,76*	67,9	*2,67*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MT1S	19	154,3	*6,08*	72,0	*2,83*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MT1S	30	243,0	*9,57*	116,3	*4,58*	19	*0,75*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 /50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

Molded Sprockets Availability

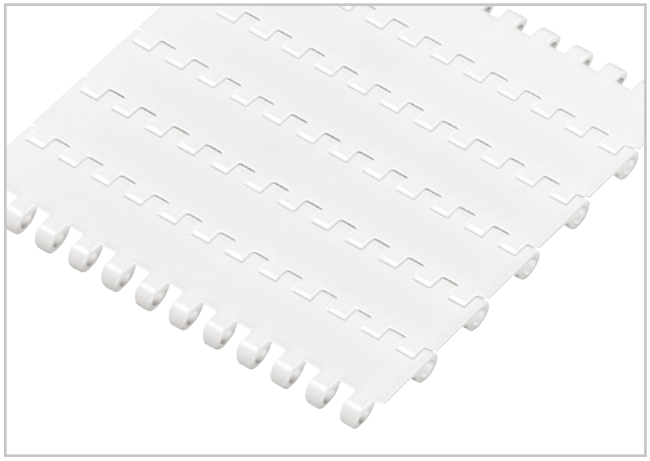
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
71007M-WN-1	7	58,5	*2,30*	24,1	*0,95*	38	*1,50*				*1*	PA
71007M-WN-1SQ	7	58,5	*2,30*	24,1	*0,95*	38	*1,50*		*1*			PA
71007M-WN-25MM	7	58,5	*2,30*	24,1	*0,95*	38	*1,50*			25		PA
71007M-WN-30MM	7	58,5	*2,30*	24,1	*0,95*	38	*1,50*			30		PA
71009M-WN-1	9	74,3	*2,92*	31,9	*1,26*	38	*1,50*				*1*	PA
71009M-WN-1-7/16	9	74,3	*2,92*	31,9	*1,26*	38	*1,50*				*1 7/16*	PA
71009M-WN-1SQ	9	74,3	*2,92*	31,9	*1,26*	38	*1,50*		*1*			PA
71009M-WN-25MM	9	74,3	*2,92*	31,9	*1,26*	38	*1,50*			25		PA
71009M-WN-30MM	9	74,3	*2,92*	31,9	*1,26*	38	*1,50*			30		PA
71012M-WN-1	12	98,1	*3,86*	43,9	*1,73*	38	*1,50*				*1*	PA
71012M-WN-1-7/16	12	98,1	*3,86*	43,9	*1,73*	38	*1,50*				*1 7/16*	PA
71012M-WN-1SQ	12	98,1	*3,86*	43,9	*1,73*	38	*1,50*		*1*			PA
71012M-WN-25MM	12	98,1	*3,86*	43,9	*1,73*	38	*1,50*			25		PA
71012M-WN-30MM	12	98,1	*3,86*	43,9	*1,73*	38	*1,50*			30		PA
71015M-WN-1	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*				*1*	PA
71015M-WN-1-1/2SQ	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*		*1,5*			PA
71015M-WN-1-1/4	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*				*1,25*	PA
71015M-WN-1-7/16	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*				*1 7/16*	PA
71015M-WN-30MM	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*			30		PA
71015M-WN-40MM	15	122,2	*4,81*	55,9	*2,20*	38	*1,50*			40		PA

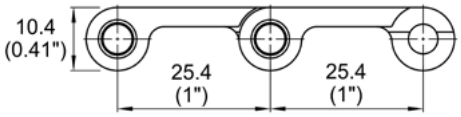
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
HDS610 Flat Top 1.0"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards





Belt data

Belt material		PE	POM	PP
Rod material		**PE**	**PP**	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	7297 *500*	17513 1200	10216 *700*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.6 *0.95*	6.7 *1.37*	4.3 *0.89*
Standard belt color		white	blue/white	white

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Standard range of belt widths in increments of 1" (25.4mm) starting from 6" (152.4mm)
Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request.
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
HDS610 Curve Vent Top 1.0"

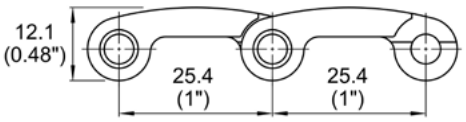
Description

- 18% open area; 82% open contact area
- Curve Vent Top Surface; largest opening 1.0x10.7 mm *(0.04"x0.42")*
- Open hinge, Easy to clean
- Belt creates circle for scraping with 12 tooth sprocket
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights





Belt data

Belt material		POM	PP
Rod material		PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	17513 *1200*	10216 *700*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 105 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	6.9 *1.42*	4.5 *0.92*
Standard belt color		black	black/white/blue

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Standard range of belt widths in increments of 3" (76.2mm) starting from 6" (152.4mm) Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

*Indicated value for stiff products only. Softer products can have less open contact area.

HabasitLINK®
Sprocket series HDS610 FT and HDS610 CVT

M	S1	S	07	25	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

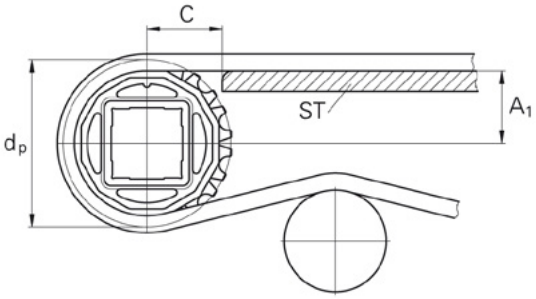
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28mm *(1.10")*

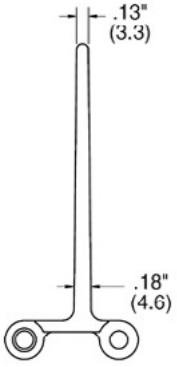
Machined Sprockets Availability

Type	tNumber of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MS1S	7	58,5	*2,30*	24,1	*0,95*	32	*1,25*		*1*	25 / 30	*1 / 1.25 / 1-7/16 / 1.5*	PE
MS1S	9	74,3	*2,92*	31,9	*1,26*	32	*1,25*		*1*	25 / 30	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
MS1S	12	98,1	*3,86*	43,9	*1,73*	32	*1,25*	40	*1 / 1.5*	25 / 30 / 40 / 50	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MS1S	15	122,2	*4,81*	55,9	*2,20*	32	*1,25*	40	*1 / 1.5*	25 / 30 / 40 / 50	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MS1S	18	146,3	*5,76*	67,9	*2,67*	32	*1,25*	40	*1 / 1.5 / 2.5*	25 / 30 / 40 / 50	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

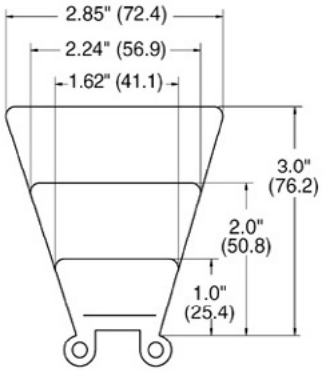
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
Accessories for series HDS610 and HDS610CVT

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.



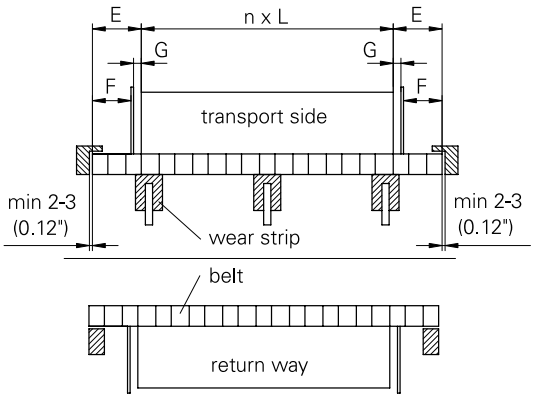
HDS610XXXX-W/FT



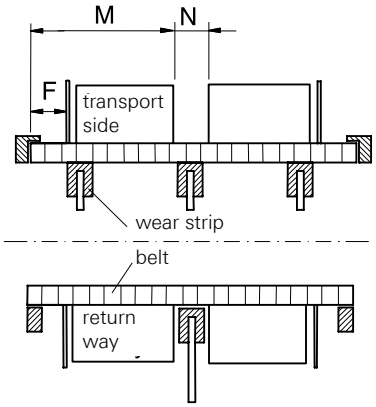
ST/SG610

	Flights		Side Guards
Code	HDS610XXXX-W/FT	ST/SG610	
	height	length	height
mm inch	25.4 1	152.4 6	25.4 1
mm inch	50.8 2	152.4 6	50.8 2
mm inch	76.2 3	152.4 6	76.2 3

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 609 mm (24") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (0.5"). For HDS610 series the minimum notch width is 25.4 mm (1").



Installation of flights and side guards; indents
The side guards are usually installed with a small gap between the side guards and the flights. The distance between the side guards and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (0.2").

	Possible flight indent E					
	Flight only		*Flight + side guard with gap (G˜ 4.8 mm (0.19")			
	E		E		F	
	mm	inch	mm	inch	mm	inch
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	38.1	1.5	38.1	1.5	19.1	0.75
Module cutting necessary	50.8	2	50.8	2	31.8	1.25
Module cutting necessary	63.5	2.5	63.5	2.5	44.5	1.75
Module cutting necessary	76.2	3	76.2	3	57.2	2.25

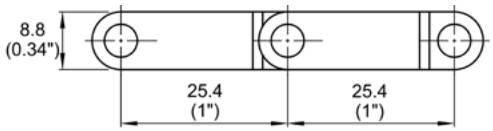
Flights and Side Guard HDS610, HDS610CVT
*HDS610CVT: Side guards not possible with HDS610CVT

HabasitLINK®
208 35% Open Flush Grid 1"

Description
- 35% open area; 56% open contact area
- Flush Grid Surface; largest opening 4.6x10.7 mm *(0.18"x0.42")*
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- GripTop modules





Belt data

Belt material		PE	POM U	POM	PP
Rod material		PE	PP		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	4000 *2500*	15000 *2500*	15000 *2500*	7500 *514*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	4.5 *0.93*	6.6 *1.35*	6.6 *1.35*	4.3 *0.88*
Standard belt color		natural	green	gray	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Standard range of belt widths in increments of 1" (25.4mm) starting from 3" (76.2mm) Non standard widths are offered in increments of 0.5" (12.7mm) starting from 3" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
Sprocket series 208 35

M	28	S	10	40	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

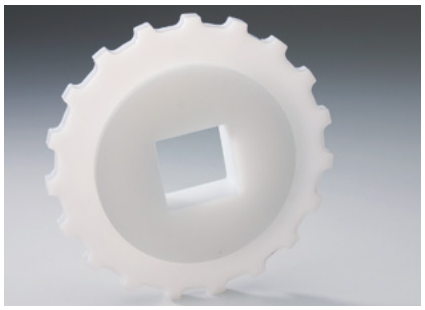
03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

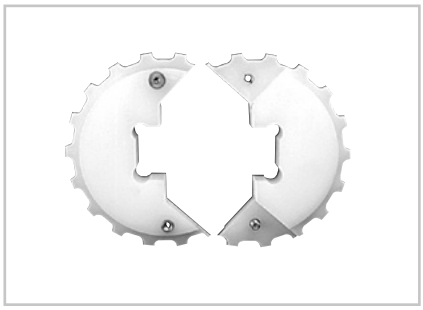
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

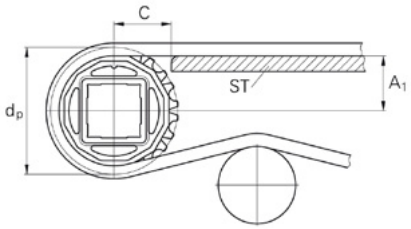
07 Material: 3 = UHMW; 8 = PA



Machined sprocket



Machined split sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28mm *(1.10")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M28S	6	50,8	*2,00*	21,1	*0,83*	25	*1,00*				*0,75*	PE
M28S	9	74,3	*2,92*	32,8	*1,29*	25	*1,00*	25	*1*	25 / 30	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M28S	10	82,2	*3,24*	36,8	*1,45*	25	*1,00*	25 / 40	*1 / 1.5*	25 / 30 / 40 / 50	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M28S	12	98,1	*3,86*	44,8	*1,76*	25	*1,00*	25 / 40	*1 / 1.5*	25 / 30 / 40 / 50	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M28S	18	146,3	*5,76*	68,8	*2,71*	25	*1,00*	25 / 40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M28Z	18	146,3	*5,76*	68,8	*2,71*	25	*1,00*	25 / 40	*1 / 1.5*	25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M28S	19	154,3	*6,08*	72,8	*2,87*	25	*1,00*	25 / 40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M28Z	19	154,3	*6,08*	72,8	*2,87*	25	*1,00*	25 / 40	*1 / 1.5*	25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE
M28S	20	162,4	*6,39*	76,9	*3,03*	25	*1,00*	25 / 40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*0.75 / 1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M28Z	20	162,4	*6,39*	76,9	*3,03*	25	*1,00*	25 / 40	*1 / 1.5*	25 / 30 / 40	*0.75 / 1 / 1.25 / 1-7/16 / 1.5*	PE

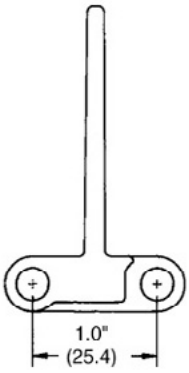
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
Accessories for series 208

Flights for series 208 35 (Flush Grid 35% open)

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

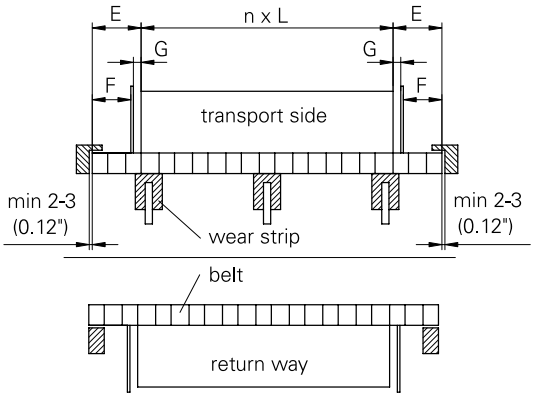
	Flight straight	
Code	20810XXXX-W/FT	
Height H, Length L	H	L
mm *inch*	25.4 *1*	152 *6*
mm *inch*	50.8 *2*	152 *6*



20810XXXX-W/FT

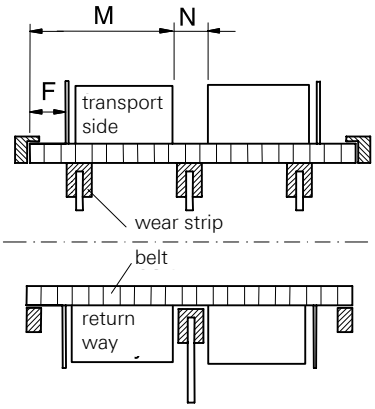
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (24") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (0.5"). For 208 series the minimum notch width is 25.4 mm (1").



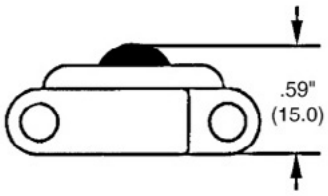
Installation of flights; indents

The distance between the flight and the hold-down- and support shoes/ wear strips (E1) should not be smaller than 5 mm (0.2").

	Possible flight indent	
	E	
	mm	*inch*
Flight over full belt width	0	*0*
Module cutting necessary	25.4	*1*
Module cutting necessary	38.1	*1.5*
Module cutting necessary	50.8	*2*
Module cutting necessary	63.5	*2.5*
Module cutting necessary	76.2	*3*

GripTop modules

GripTop inserts are mainly used for inclined applications.
They are available in PE material with TPU friction inserts.

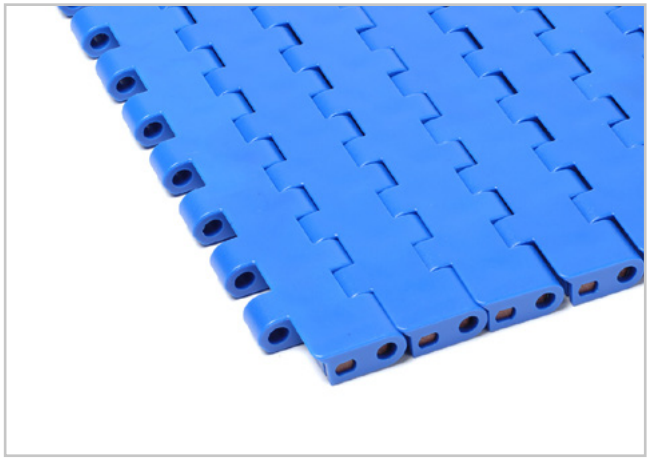


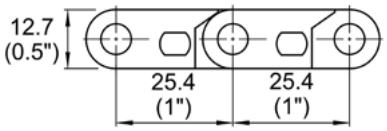
208OM

HabasitLINK®
MB610 Heavy Duty Flat Top 1.0"

Description

- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Plugs with floater rod retainer system
- Food approved materials available





Belt data

Belt material		PA	POM
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	29200 *2000*	36485 *2500*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	11.1 *2.27*	13.4 *2.75*
Standard belt color		gray	blue

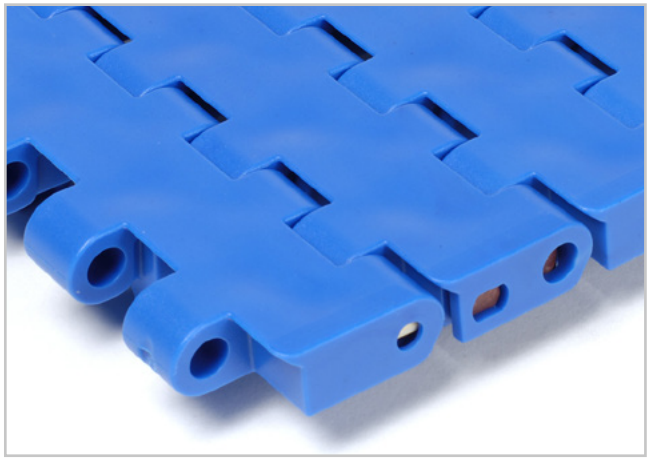
Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

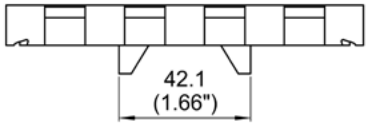
Standard range of belt widths in increments of 1" (25.4mm) starting from 6" (152.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

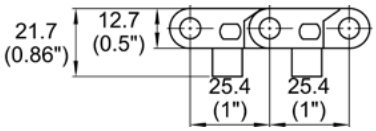
HabasitLINK®
MB610 MTW Heavy Duty Flat Top 1.0"

Description

- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- With or without tab version
- Rod diameter 6.4 mm *(0.250")*
- Plugs with floater rod retainer system
- Food approved materials available







Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
MB610 MTW 325	82.6	*3.3*	POM	PA	3114	*700*	6.20	*0.86*
MB610 MTW 450	114.3	*4.5*	POM	PA	3781	*850*	8.70	*1.20*
MB610 MTW 600	152.4	*6.0*	POM	PA	5338	*1200*	11.55	*1.60*
MB610 MTW 750	190.5	*7.5*	POM	PA	6895	*1550*	14.43	*2.00*

Diameter of idling rollers (minimum)	
mm	*inch*
41	*1.60*

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F

Material selection may affect belt width — please contact your local partner for actual dimensions.

HabasitLINK®
Sprocket series MB610 and MB610 MTW

M	M1	S	12	30	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

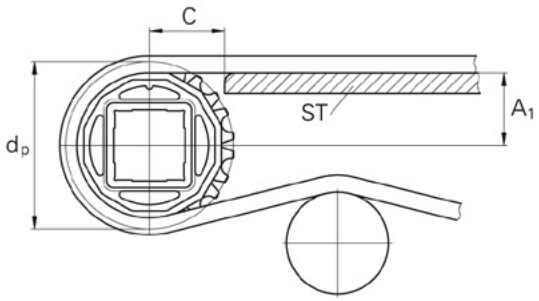
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 28mm *(1.10")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MM1S	12	98,1	*3,86*	42,7	*1,68*	38	*1,50*	40	*1 / 1.5*	25 / 30 / 40	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MM1S	16	130,2	*5,13*	58,7	*2,31*	38	*1,50*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MM1S	18	146,3	*5,76*	66,8	*2,63*	38	*1,50*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MM1S	21	170,4	*6,71*	78,9	*3,10*	38	*1,50*	40	*1 / 1.5 / 2*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MM1S	31	251,1	*9,88*	119,2	*4,69*	38	*1,50*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

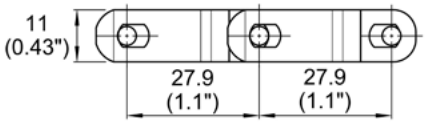
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
F51 ½" x 1" Flat Wire 1.1"

Description
- 61% open area; 86% open contact area
- Flat Wire Surface; largest opening 10.9x23.1 mm *(0.43"x0.91")*
- Open hinge, Easy to clean
- Rod diameter 3.7 mm *(0.145")*
- Plugs with floater rod retainer system
- Food approved materials available

Available accessories
- Flights
- Hanging roller assembly





Belt data

Belt material		PA+GF	POM	PP
Rod material		Steel	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8756 *600*	8756 *600*	4378 *300*
Temperature range	°C *°F*	-40 - 145 *-40 - 293*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Temperature maximum (short-term)	°C *°F*	175 *347*		
Belt weight m_B	kg/m² *lb/sqft*	4.5 *0.93*	4.4 *0.90*	3.0 *0.62*
Standard belt color		red	blue	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
46	*1.80*

Standard range of belt widths in increments of 1.33" (33.8mm) starting from 4" (101.6mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

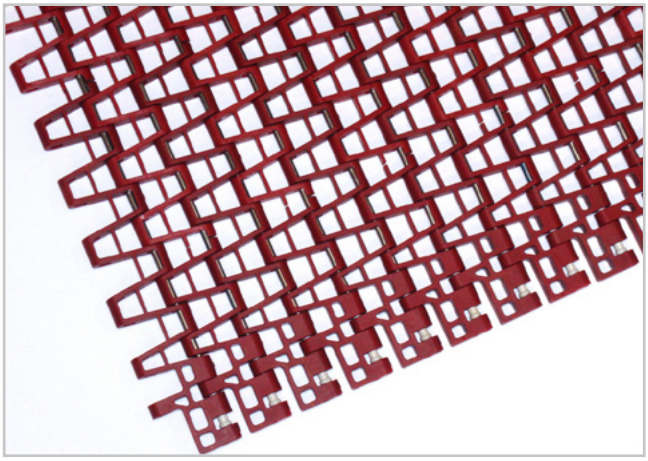
HabasitLINK®
F52 Smart Fit ½" x ½" Flat Wire 1.1"

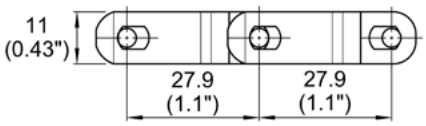
Description

- 55% open area; 82% open contact area
- Flat Wire Surface; largest opening 10.9x10.9 mm *(0.43"x0.43")*
- Open hinge, Easy to clean
- Rod diameter 3.7 mm *(0.145")*
- Smart Fit rod retainer system
- Food approved materials available

Available accessories

- Flights





Belt data

Belt material		PA+GF	PA+HN	PA+FRF	PE	POM	PP
Rod material		Steel		PA	PP		
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8756 *600*	8756 *600*	7297 *500*	3502 *240*	8756 *600*	4378 *300*
Temperature range	°C *°F*	-40 - 145 *-40 - 293*	-40 - 170 *-40 - 338*	-40 - 118 *-40 - 245*	5 - 65 *40 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Temperature maximum (short-term)	°C *°F*	175 *347*	200 *392*				
Belt weight m_B	kg/m² *lb/sqft*	7.7 *1.57*	7.7 *1.57*	3.9 *0.79*	2.4 *0.49*	4.7 *0.96*	4.7 *0.96*
Standard belt color		red/brown	maroon	beige	white	blue	gray/white

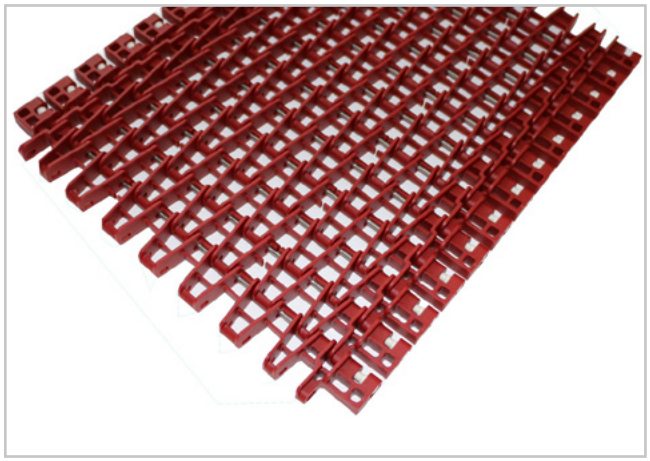
Diameter of idling rollers (minimum)	
mm	*inch*
46	*1.80*

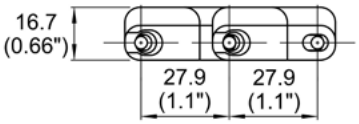
Standard range of belt widths in increments of 1.33" (33.8mm) starting from 4" (101.6mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
F53 Smart Fit ½" x ½" Raised Rib Flat Wire 1.1"

Description
- 55% open area; 87% open contact area
- Raised Rib Flat Wire Surface; largest opening 10.9x10.9 mm *(0.43"x0.43")*
- Open hinge, Easy to clean
- Rod diameter 3.7 mm *(0.145")*
- Smart Fit rod retainer system
- Food approved materials available

Available accessories
- Flights





Belt data

Belt material		PA+GF
Rod material		**Steel**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8756 *600*
Temperature range	°C *°F*	-40 - 145 *-40 - 293*
Temperature maximum (short-term)	°C *°F*	175 *347*
Belt weight m_B	kg/m² *lb/sqft*	9.1 *1.87*
Standard belt color		red

Diameter of idling rollers (minimum)	
mm	*inch*
46	*1.80*

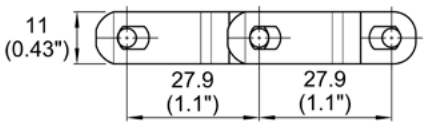
Standard range of belt widths in increments of 1.33" (33.8mm) starting from 4" (101.6mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
F54 1″ x 1″ Flat Wire 1.1"

Description

- 67% open area; 86% open contact area
- Flat Wire Surface; largest opening 17x23.1 mm *(0.67"x0.91")*
- Open hinge, Easy to clean
- Rod diameter 3.7 mm *(0.145")*
- Plugs with floater rod retainer system
- Food approved materials available





Belt data

Belt material		PA	PP
Rod material		Steel	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	4378 *300*	4378 *300*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	6.4 *1.30*	5.3 *1.10*
Standard belt color		white	white

Diameter of idling rollers (minimum)	
mm	*inch*
46	*1.80*

Standard range of belt widths in increments of *2.01*" (51.1mm) starting from *12*" (304.8mm). Material selectionmay affect belt width — please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)
Additional belt colors and materials available

HabasitLINK®
Sprocket series F51 / F52 / F53 / F54

M	F5	S	07	30	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

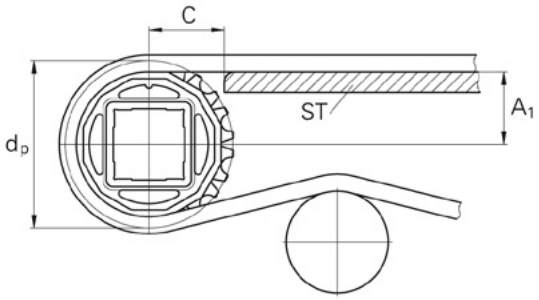
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis
and the slider support **ST** is minimal 31mm *(1.22")*

Machined Sprockets Availability

Type F51, F52, F53	Type F54	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
			mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MF5S	MF4S	7	62,4	*2,46*	25,7	*1,01*	38	*1,50*		*1*	25 / 30	*1*	PE
MF5S	MF4S	8	70,7	*2,78*	29,9	*1,18*	38	*1,50*		*1*	25 / 30	*1*	PE
MF5S	MF4S	9	79,1	*3,12*	34,1	*1,34*	38	*1,50*		*1 / 1.5*	25 / 30	*1 / 1.25 / 1-7/16 / 1.5*	PE
MF5S	MF4S	11	96,1	*3,78*	42,6	*1,68*	38	*1,50*	40	*1 / 1.5 / 2*	25 / 30 /40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	13	113,1	*4,45*	51,1	*2,01*	38	*1,50*	40	*1 / 1.5 / 2*	25 / 30 /40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	15	130,2	*5,12*	59,6	*2,35*	38	*1,50*	40	*1 / 1.5 / 2*	25 / 30 /40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	17	147,3	*5,80*	68,2	*2,68*	38	*1,50*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 /40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	18	155,9	*6,14*	72,5	*2,85*	38	*1,50*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 /40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	19	164,4	*6,47*	76,8	*3,02*	38	*1,50*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 /40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	21	181,6	*7,15*	85,3	*3,36*	38	*1,50*	40 / 60	*1.5 / 2 / 2.5*	30 /40 / 50 / 60	*1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	23	198,8	*7,82*	93,9	*3,70*	38	*1,50*	40 / 60	*1.5 / 2 / 2.5*	30 /40 / 50 / 60	*1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	27	233,1	*9,18*	111,1	*4,37*	38	*1,50*	40 / 60	*1.5 / 2 / 2.5*	30 /40 / 50 / 60	*1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MF5S	MF4S	29	250,3	*9,85*	119,7	*4,71*	38	*1,50*	40 / 60	*1.5 / 2 / 2.5*	30 /40 / 50 / 60	*1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

Molded Sprockets Availability

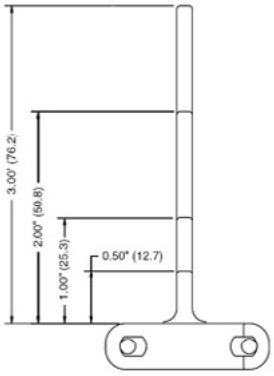
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
571111M-WN-1	11	96,1	*3,78*	42,6	*1,68*	38	*1,50*				*1*	PA
571111M-WN-1-1/2SQ	11	96,1	*3,78*	42,6	*1,68*	38	*1,50*		*1,5*			PA

Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined blue cast nylon sprockets are also available.

HabasitLINK®
Accessories for series F51, F52 and F53

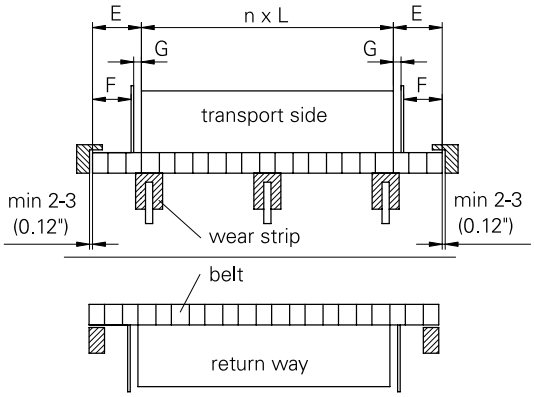
Flights for series F51, F52 and F53
HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight straight	
Code	50P1112XX-W/FT	
Height H, Length L	H	L
mm *inch*	12.7 *0.5*	304.8 *12*
mm *inch*	25.4 *1*	304.8 *12*
mm *inch*	50.8 *2*	304.8 *12*
mm *inch*	*76.2* *3*	304.8 *12*

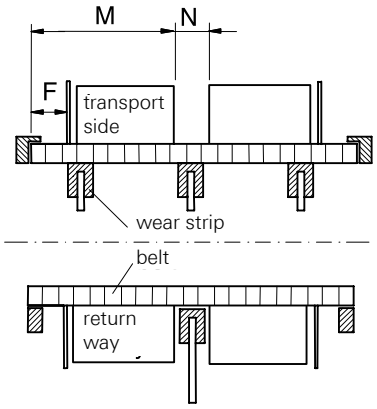


50P1112XX-W/FT

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24*") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 33.8 mm (*1.33*"). For 50 series the minimum notch width is 33.8 mm (*1.33*").



Installation of flights; indents

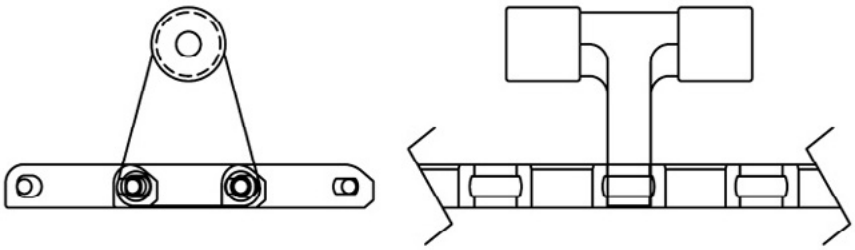
The distance between the flight and the hold-down- and support shoes/wear strips (E1) should not be smaller than 5 mm (*0.2"*).

	Possible flight indent	
	E	
	mm	*inch*
Flight over full belt width	0	*0*
Module cutting necessary	33.8	*1.33*
Module cutting necessary	50.8	*2*
*Module cutting necessary	67.6	*2.66*
Module cutting necessary	84.6	*3.33*
Module cutting necessary	101.6	*4*

*Minimum indent for F52 & F53 smart fit

Hanging roller assembly for F51

These rollers are used above the belt so the belt can be used to hold product down.



5H-XX-PR-SET

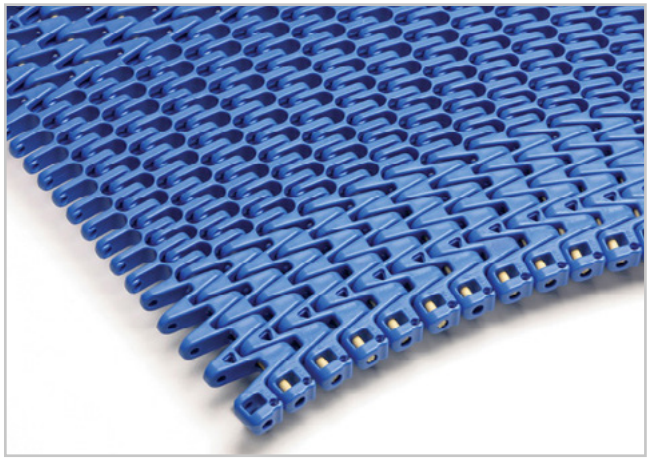
HabasitLINK®
PR612 Tight Turn Radius Flush Grid 1.2"

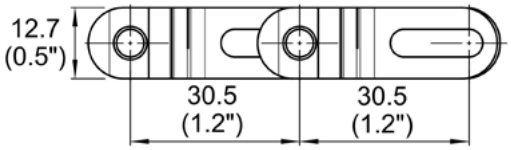
Description

- 49% open area; 79% open contact area;
- Flush Grid Surface; largest opening 9.7x10.8 mm *(0.38"x0.43")*
- For radius and straight conveying
- Nominal collapse factor: 1.6
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Hold down tabs
- Side guards





Belt data

Belt material		POM	
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8759 *600*	8759 *600*
Nominal tensile strength F'_N in curve [1]	N *lb*	890 *200*	1112 *250*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.51*	7.4 *1.51*
Standard belt color		blue/gray	blue/gray

Diameter of idling rollers (minimum)	
mm	*inch*
51	*2.00*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm).
Material selection may affect belt width – please contact your local partner for actual dimensions.
Note: The nominal tensile strenght 890 N (200 lbf) refers to a belt with up to *24*"; 1112 N (250 lbf) for belt width wider than *24*". Additional belt colors and materials available, and stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

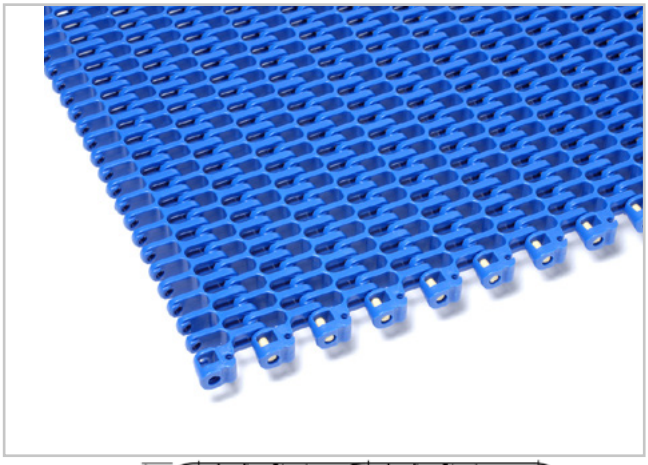
HabasitLINK®
PR612 2.2 Radius Flush Grid 1.2"

Description

- 49% open area; 79% open contact area;
- Flush Grid Surface; largest opening 9.7x10.8 mm *(0.38"x0.43")*
- For radius and straight conveying
- Nominal collapse factor: 2.2
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Hold down tabs



Belt data

Belt material		POM	
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8759 *600*	8759 *600*
Nominal tensile strength F'_N in curve [1]	N *lb*	890 *200*	1112 *250*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.51*	7.4 *1.51*
Standard belt color		blue/gray	blue/gray

Diameter of idling rollers (minimum)	
mm	*inch*
51	*2.00*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm). Material selection may affect belt width – please contact your local partner for actual dimensions.
Note: The nominal tensile strenght 890 N (200 lbf) refers to a belt with up to *24*"; 1112 N (250 lbf) for belt width wider than *24*". Additional belt colors and materials available, and stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series PR612 1.6 / PR612 2.2

M	15	S	10	40	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

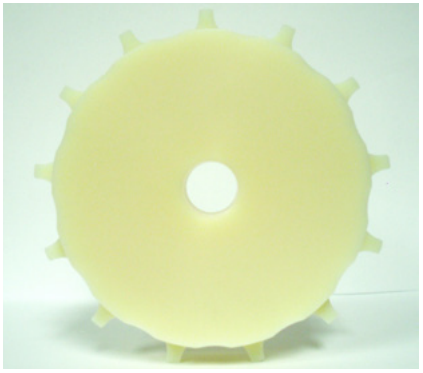
03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

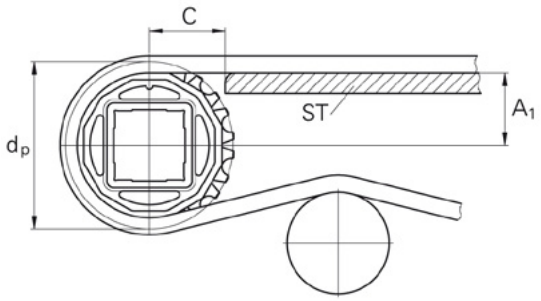
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 34mm *(1.34")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M15S *	7	70,2	*2,77*	28,8	*1,13*	25	*1,00*		*1*	25 / 30	*1 / 1.25*	PA
M15S	10	98,6	*3,88*	43,0	*1,69*	25	*1,00*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PA
M15S	13	127,4	*5,01*	57,3	*2,26*	25	*1,00*	40	*1 / 1.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PA
M15S	17	165,9	*6,53*	76,6	*3,02*	25	*1,00*	40 / 60	*1 / 1.5 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PA

Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined UHMW sprockets are also available.
End rollers required at both ends of conveyor shafts to support belt edges where no sprocket paths exist for all PR612 conveyor belt applications.
* Cannot be used with belts with hold-down tabs

Roller Availability

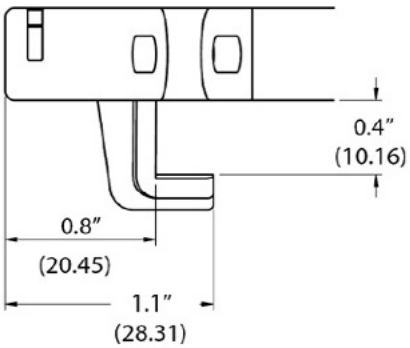
Type	Number of teeth	Nominal diameter		Hub width B_L	
		mm	*inch*	mm	*inch*
M15L *	7	50,5	*1,99*	25	*1,00*
M15L	10	81,0	*3,19*	25	*1,00*
M15L	13	111,0	*4,37*	25	*1,00*
M15L	17	150,4	*5,92*	25	*1,00*

* Cannot be used with belts with hold-down tabs

HabasitLINK®
Accessories for series PR612

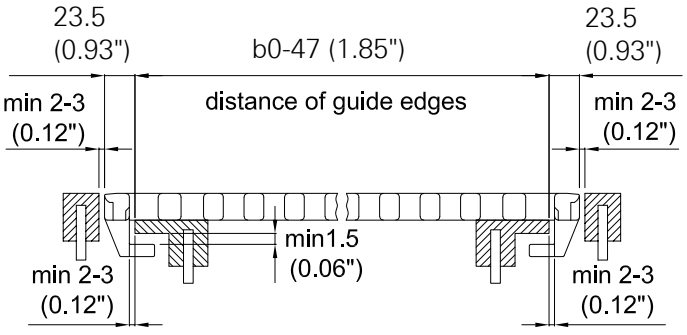
Hold down tabs for series PR612 (radius)
This series is available with injection-molded hold down tabs.

Hold down tabs for PR612 1.6
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension PR612XXXX-HDT are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



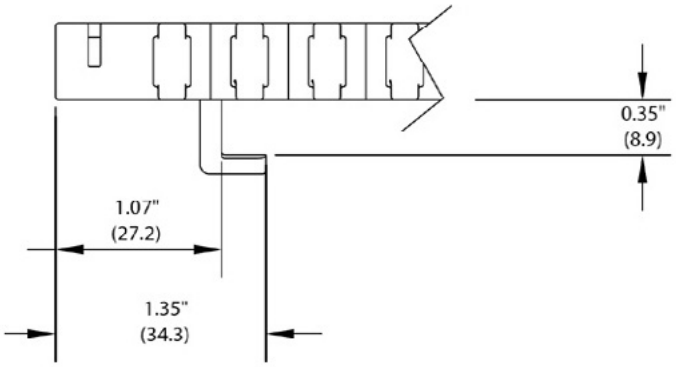
Hold down tabs for PR612 1.6, module code PR612XXXX-HDT

Installation
Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 304.8 mm (*12*").



Hold down tabs for PR612 2.2

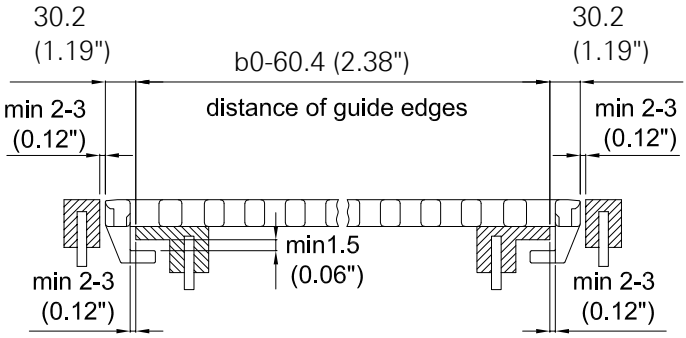
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension RP612XXXX-HDT are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



Hold down tabs for PR612 2.2, module code RP612XXXX-HDT

Installation

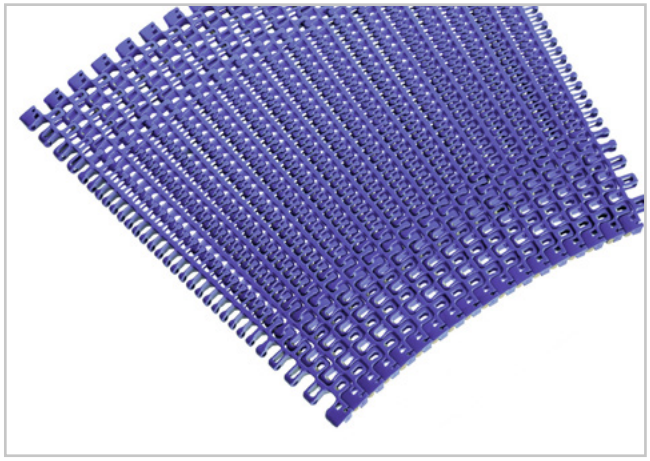
Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 304.8 mm (*12*").

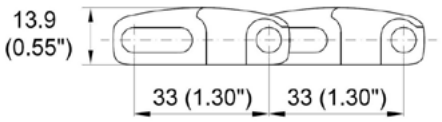


HabasitLINK®
M3398 Radius Flush Grid CT 1.3"

Description

- 47% open area; 84% open contact area;
- Flush Grid Curved Top Surface;
- largest opening 4x8 mm (0.16"x0.32")
- For radius and straight conveying
- Nominal collapse factor:
  - M3398-16: 1.6
  - M3398-22: 2.2
  - M3398-30: 3.0
- Open hinge, Easy to clean
- Rod diameter 6 mm (0.24")
- Smart fit rod retention
- Excellent for cooling and draining





Belt data

Belt material		POM	
Rod material		**PA**	**POM**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	18000 *1233*	18000 *1233*
Nominal tensile strength F'_N in curve [1]	N *lb*	1975 *444*	1975 *444*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.2 *1.46*	7.2 *1.46*

[1] For maximum admissible value refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
75	*3.00*	75	*3.00*	100	*4*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	304	355	406	457	508	558	609	660	711	762	812	863	914	965
Belt width inch (nom.)	12	14	16	18	20	22	24	26	28	30	32	34	36	38
Coll. fact. Q M3398-16	1.45	1.47	1.48	1.50	1.51	1.52	1.53	1.53	1.54	1.54	1.54	1.55	1.55	1.55
Coll. fact. Q M3398-22	1.98	2.01	2.04	2.07	2.09	2.11	2.13	2.14	2.15	2.16	2.17	2.17	2.18	2.18
Coll. fact. Q M3398-30	2.75	2.79	2.83	2.85	2.87	2.89	2.91	2.92	2.94	2.95	2.96	2.97	2.97	2.98
Belt width mm (nom.)	1016	1066	1117	1168	1219									
Belt width inch (nom.)	40	42	44	46	48									
Coll. fact. Q M3398-16	1.56	1.56	1.56	1.57	1.57									
Coll. fact. Q M3398-22	2.17	2.19	2.19	2.20	2.20									
Coll. fact. Q M3398-30	2.99	2.99	3.00	3.00	3.01									

Belt widths larger than 1219 mm *(48")* are not recommended; *please contact Habasit.*
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 50.8 mm *(2")*. Non-standard widths are offered in increments of 12.7 mm *(0.5")*. Smallest possible width 304.8 mm *(12")*.

HabasitLINK®
Sprocket series M3300

M	33	S	18	60	Q	8
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

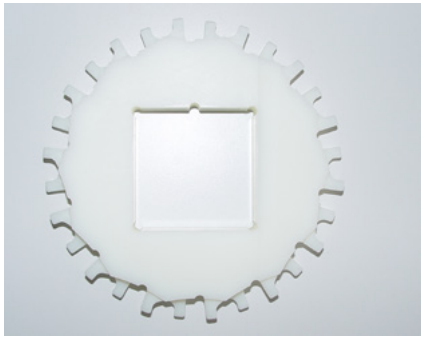
06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

Sprocket availability

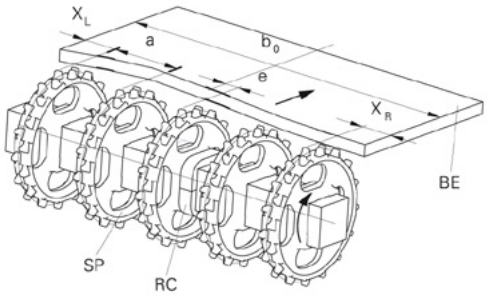
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	14	148.3	*5.8*	70.1	*2.76*	20	*0.79*	40 / 60	*1.5 /2.5*	PA
S-C3	18	190.0	*7.5*	91.4	*3.60*	20	*0.79*	40 / 60	*1.5 / 2.5*	PA

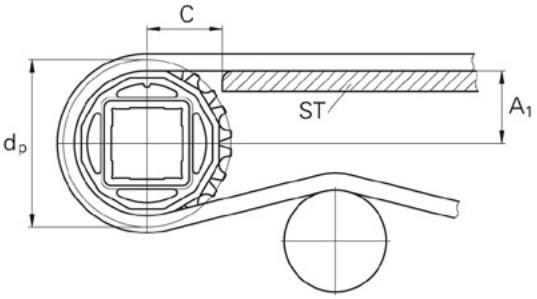
S-C3: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.



Sprocket one-piece (solid)

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 41 mm *(1.6")*.

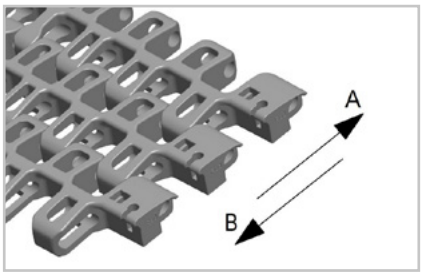
Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M3398	50.8 *2*	152.4 *6*	34.3 *1.35*	48.9 *1.93*	b_0 / 12.7 *b_0 / 0.5*	even number (2, 4, 6 ...)	3.2 *0.12*	left in running direction A right in running direction B
						odd number (3, 5, 7 ...)	3.2 *0.12*	right in running direction A left in running direction B



Numbers of sprockets and wearstrips for M3398

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
inch	*mm*	min. number	Carryway (top)	Returnway (bottom)
12	304	3	2	2
14	355	3	2	2
16	406	4	2	2
18	457	4	2	2
20	508	4	2	2
22	558	5	3	2
24	609	5	3	2
26	660	5	3	2
28	711	6	3	2
30	762	6	3	2
32	812	6	3	2
34	863	7	4	3
36	914	7	4	3
38	965	7	4	3
40	1016	8	4	3
42	1066	8	4	3
44	1117	8	4	3
46	1168	9	5	4
48	1219	9	5	4

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
M3840 Radius Flush Grid 1.5"

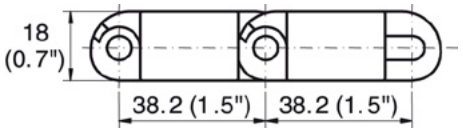
Description

- 31% open area; 50% open contact area;
- Flush Grid Surface;
  largest opening 7x19 mm (0.27"x0.75")
- For radius and straight conveying
- Nominal collapse factor: 2.2
- Open hinge, Easy to clean
- Rod diameter 6 mm (0.24")
- Snap fit rod retaining system
- Excellent for cooling and draining

Available accessories

- Flights
- Side guards
- Hold-down tabs
- GripTop modules
- Lane divider





Belt data

Belt material		POM	PP	
Rod material		PA		POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	32000 *2192*	23000 *1575*	23000 *1575*
Nominal tensile strength F'_N in curve [1]	N *lb*	2400 *540*	2000 *450*	2000 *450*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	11.8 *2.42*	8.0 *1.64*	8.0 *1.64*

[1] For b_0 > 450 mm (18") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	90	*3.50*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

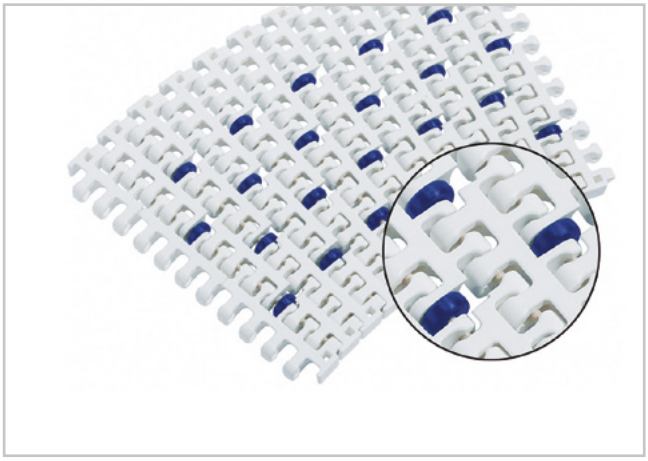
Belt width mm (nom.)	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*
Coll.fact. Q	1.85	1.92	1.96	1.99	2.02	2.03	2.05	2.06	2.07	2.08	2.09	2.09	2.10	2.10
Belt width mm (nom.)	900	950	1000	1050	1100	1150	1200	etc.						
Belt width inch (nom.)	*36*	*38*	*40*	*42*	*44*	*46*	*48*	*etc.*						
Coll.fact. Q	2.11	2.11	2.11	2.12	2.12	2.12	2.13	etc						

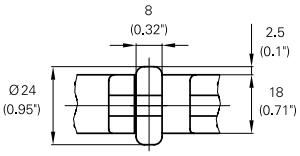
Belt widths larger than 1200 mm *(48")* are not recommended; please contact Habasit.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 25 mm *(1")*.Smallest possible width 175 mm *(7")*.

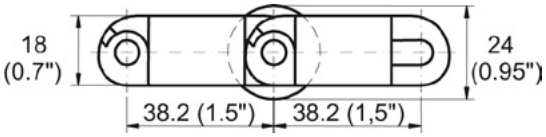
HabasitLINK®
M3840 Roller Top 1.5"

Description

- 31% open area
- Flush Grid Surface with Roller; largest opening 7x19 mm *(0.27"x0.75")*
- For radius and straight conveying
- Roller lateral spacing see table belt data
- Free edge 60 mm *(2.4")*
- Rollers row spacing 38.2 mm *(1.5")*
- For low back pressure, wearstrips placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Nominal collapse factor: 2.2
- Rod diameter 6 mm *(0.24")*
- Snap fit rod retaining system







Belt data

Belt material		**POM**
Rod material		**PA**
Roller material		**POM**
Roller lateral spacing per row	mm / *inch*	100.0 / *4.00*
Roller offset next row	mm / *inch*	50.0 / *2.00*
Roller dimension diameter / width	mm *inch*	Ø 24 / 8 *Ø 0.94 / 0.31*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	25000 *1712*
Nominal tensile strength F'_N in curve [1]	N *lb*	2000 *450*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	11.8 *2.42*

[1] For b_0 > 450 mm (*18*") higher values admissible. Refer to LINK-SeleCalc

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	90	*3.50*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

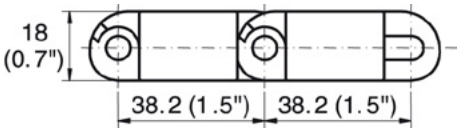
Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
Belt width inch (nom.)	10	12	14	16	18	20	22	24	26	28	30	32	34	etc.
Coll. factor Q	1.98	2.12	2.22	2.30	2.36	2.41	2.44	2.48	2.50	2.53	2.55	2.56	2.58	etc.
Free edge mm (nom.)	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	etc.
Free edge inch	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	etc.
Sprocket offset mm	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	etc.
Sprocket offset inch	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	etc.
Sprockets	4	5	6	7	8	9	10	11	12	13	14	15	16	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	15	etc.

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm (*30*") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm (*2*"). Smallest possible width 250 mm (*9.84*").

HabasitLINK®
M3843 Tight Radius 1.5"

- 37% open area; 50% open contact area
- Flush Grid Surface;
  largest opening 9x18 mm *(0.35"x0.7")*
- For radius and straight conveying
- Nominal collapse factor: 1.6
- Open hinge, Easy to clean
- Rod diameter 6 mm *(0.24")*
- Snap fit rod retaining system
- Excellent for cooling and draining





Available accessories

- Flights: Minimum indent 105 / 95 mm *(4.1" / 3.7")*
- Side guards
- Clip-on side tabs
- Clip-on hold-down tabs

Belt data

Belt material		POM	PP	
Rod material		PA		POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	29000 *1986*	20000 *1370*	20000 *1370*
Nominal tensile strength F'_N in curve [1]	N *lb*	2250 *506*	1800 *450*	1800 *450*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	11.8 *2.42*	8.0 *1.64*	8.0 *1.64*

[1] For b_0 > 600 mm (*23.6"*) higher values admissible. Refer to LINK-SeleCalc.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	90	*3.50*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	900
Belt width inch (nom.)	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*
Coll.fact. Q	1.50	1.53	1.55	1.57	1.59	1.60	1.61	1.62	1.62	1.63	1.63	1.64	1.65	1.66
Belt width mm (nom.)	1000	1050	1100	1150	1200									
Belt width inch (nom.)	*40*	*42*	*44*	*46*	*48*									
Coll.fact. Q	1.70	1.72	1.73	1.75	1.76									

Belt widths larger 1200 mm *(48")* not recommended.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2")*. Non-standard widths are offered in increments of 25 mm *(1")*. Smallest possible width 175 mm *(7")*.

HabasitLINK®
M3843 Tight Radius GripTop 1.5"

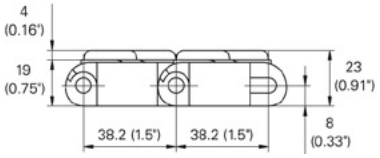
Description

- 31% open area; 50% open contact area
- Flush Grid Rubber Surface; largest opening 7x19 mm *(0.27"x0.75")*
- For radius and straight conveying
- Nominal collapse factor: 1.6
- Open hinge, Easy to clean
- Indent 30 mm *(1.18")*
- Rod diameter 6 mm *(0.24")*
- Snap fit rod retaining system



Available accessories

- Flights M3840: minimum indent 105 / 95 mm *(4.1" /3.7")*
- Clip-on side guards
- Hold-down tabs



Belt data

Belt material		**PP**
GripTop material		**TPE**
Rod material		**Steel**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*
Nominal tensile strength F'_N in curve [1]	N *lb*	1800 *450*
Temperature range	°C *°F*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	8.9 *1.83*

[1] For b_0 > 600 mm (23.6") higher admissible values are admissible.

Stainless steel rods are needed in every 4th row if GripTop modules are applied every row (fully covered with rubber). Use GripTop modules in every second row and M3843 middle modules in the intermediate rows to achieve a sufficient lateral stiffness without using steel rods (in this case the belt weight is around 10% less than the value indicated in the table).

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

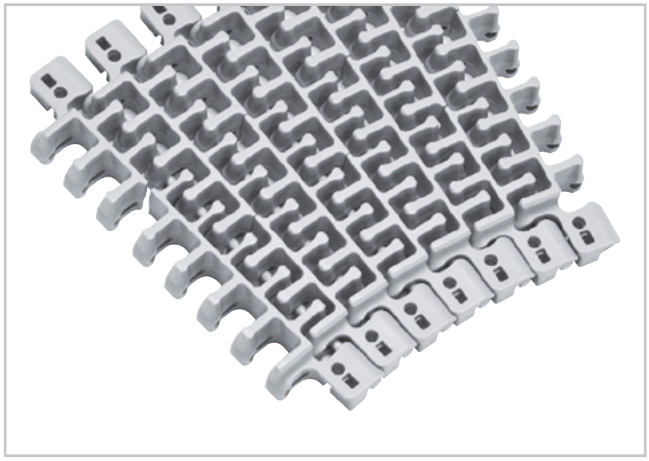
Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

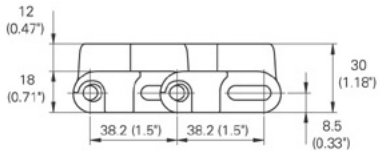
Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	900
Belt width inch (nom.)	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*
Coll.fact. Q	1.50	1.53	1.55	1.57	1.59	1.60	1.61	1.62	1.62	1.63	1.63	1.64	1.65	1.66
Belt width mm (nom.)	950	1000	1050	1100	1150	1200								
Belt width inch (nom.)	*38*	*40*	*42*	*44*	*46*	*48*								
Coll.fact. Q	1.68	1.70	1.72	1.73	1.75	1.76								

Belt widths larger 1200 mm *(48")* not recommended.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 50 mm *(2").* Non-standard widths are offered in increments of 25 mm *(1").* Smallest possible width 175 mm *(7").*

HabasitLINK®
M3892 Raised Deck 1.5"

- 45% open area; 82% open contact area
- Flush Grid Raised Deck Surface; largest opening 10.7x20.6 mm *(0.42"x0.81")*
- Indent of 32 mm *(1 / ")*
- For radius and straight conveying, ideal for case handling (collapse factor 2.2)
- Rod diameter 6 mm *(0.24")*
- Smart Fit rod retention
- Excellent for shifting goods sidewards on and off the belt with simple conveyor design





Belt data

Belt material		POM	PP	
Rod material		**PA**		**POM**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	32000 *2192*	23000 *1575*	23000 *1575*
Nominal tensile strength F'_N in curve [1]	N *lb*	2400 *540*	2000 *450*	2000 *450*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	17.1 *3.50*	11.5 *2.36*	11.5 *2.36*

[1] For b_0 > 600 mm (*23.6"*) higher values admissible.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	90	*3.50*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0) for nominal factor 2.2

Belt width mm (nom.)	254	304	356	406	457	508	559	609	660	711	762	813	864	914
Belt width inch (nom.)	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*
Coll.fact. Q	1.86	1.92	1.96	1.99	2.02	2.03	2.05	2.06	2.07	2.08	2.09	2.09	2.10	2.10
Belt width mm (nom.)	965	1016	1067	1117	1168	1219	1270							
Belt width inch (nom.)	*38*	*40*	*42*	*44*	*46*	*48*	*50*							
Coll.fact. Q	2.11	2.11	2.11	2.12	2.12	2.12	2.13							

Belt widths larger than 1270 mm *(50")* are not recommended.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of *2.0*" (50.8 mm). Non-standard widths are offered in increments of *1.0*" (25.4 mm). Smallest possible width *8.0*" (203.2 mm).
Protection type: IP 1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series M3800

Code addition design version (function) / New Generation

M	50	S	10	40	Q	6	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

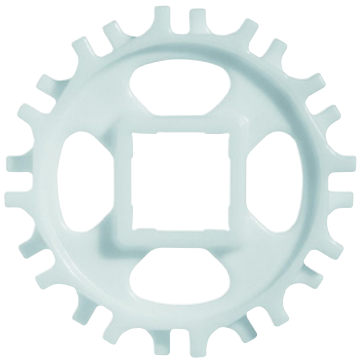
07 Material: 8 = PA; 6 = POM

08 C1 = Machined for M2585 / 86 (sprocket series M25, version 2)

Sprocket availability

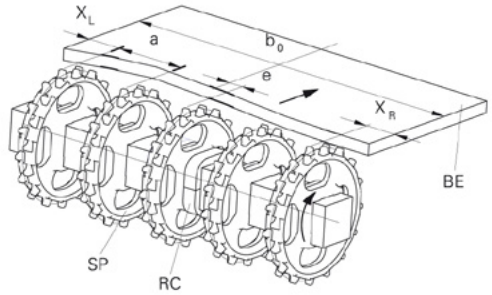
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	8	100.6	*4.0*	43.1	*1.70*	30	*1.18*	40		POM
S	12	148.8	*5.9*	67.7	*2.67*	30	*1.18*	40	*1.5 / 2.5*	POM
S	16	197.3	*7.8*	92.4	*3.64*	30	*1.18*	40		POM

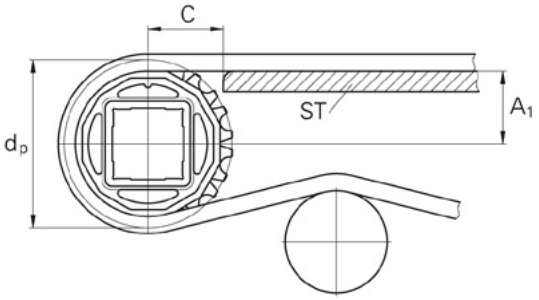
S: molded sprockets. Other sprocket and hub sizes on request.
Other materials available on request.



Sprocket one-piece ("open window")

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 41 mm *(1.6")*.

Wearstrips

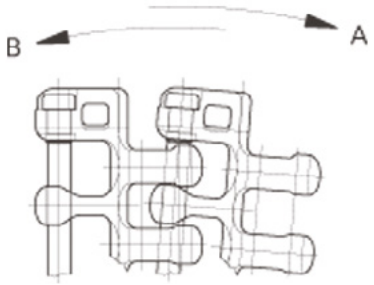
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M3840 M3843	50 *2*	152 *5*	44 *1.73*	31 *1.22*	b_0 / 25 *b_0 / 0.98*	even number (2, 4, 6 ...)	6.3 *0.25*	left in running direction A right in running direction B
						odd number (3, 5, 7 ...)	6.3 *0.25*	left in running direction A right in running direction B
M3840 M3843 with hold down tabs	50 2	152 *5*	68 *2.68*	55 *2.17*	b_0 / 25 *b_0 / 0.98*	even number (2, 4, 6 ...)	6.3 *0.25*	left in running direction A right in running direction B
						odd number (3, 5, 7 ...)	6.3 *0.25*	left in running direction A right in running direction B
M3892	50.8 *2*	127 *5*	42.5 *1.67*	57 *2.24*	b_0 / 25.4 *b_0 / 1*	even number (2, 4,6 ...)	6.2 *0.24*	left in running direction A right in running direction Be
						odd number (3, 5, 7 ...)	6.2 *0.24*	left in running direction A right in running direction B

* X_L and X_R are related to the running direction A and inverse for running direction B.



Left edge X_L

Numbers of sprockets and wearstrips for M3840, M3843 and M3892 without hold down tabs

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
200	*8*	2	2	2
250	*10*	2	2	2
300	*12*	2	2	2
350	*14*	3	2	2
400	*16*	3	3	3
450	*18*	3	3	3
500	*20*	3	3	3
550	*22*	3	3	3
600	*24*	5	4	3
650	*26*	5	4	3
700	*28*	5	4	3
750	*30*	5	4	3
800	*32*	5	5	4
850	*34*	7	5	4
900	*36*	7	5	4
950	*38*	7	5	4
1’000	*40*	7	6	5
1’050	*42*	7	6	5
1’100	*44*	9	6	5
1’150	*46*	9	6	5
1’200	*48*	9	7	6
1’250	*50*	9	7	6

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

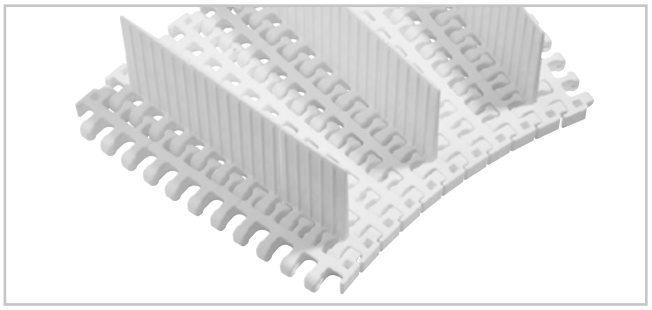
Numbers of sprockets and wearstrips for M3840, M3843 with hold down tabs

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
200	8	2	2	2
250	10	2	2	2
300	12	2	2	2
350	14	3	2	2
400	16	3	3	3
450	18	3	3	3
500	20	3	3	3
550	22	3	3	3
600	24	5	4	3
650	26	5	4	3
700	28	5	4	3
750	30	5	4	3
800	32	5	5	4
850	34	7	5	4
900	36	7	5	4
950	38	7	5	4
1’000	40	7	6	5
1’050	42	7	6	5
1’100	44	9	6	5
1’150	46	9	6	5
1’200	48	9	7	6
1’250	50	9	7	6

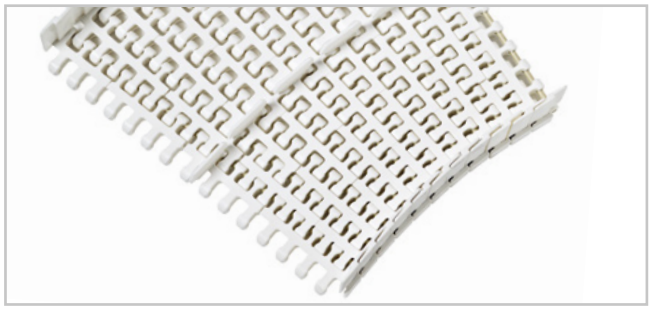
The number of sprockets depends on the belt load and may be different for driving and idling shafts. For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M3800

Flights, side guards and lane dividers M3840

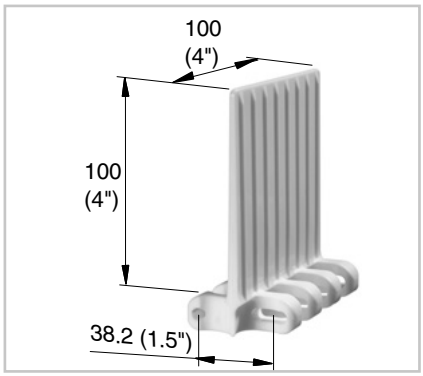


M3840 with flights

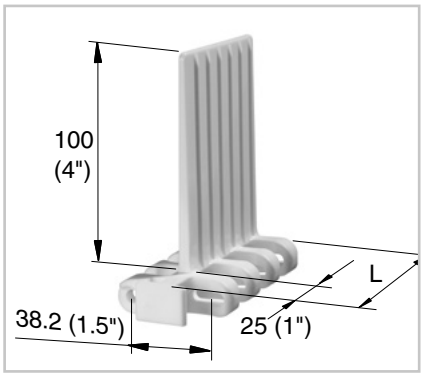


M3840 with side guards and lane dividers

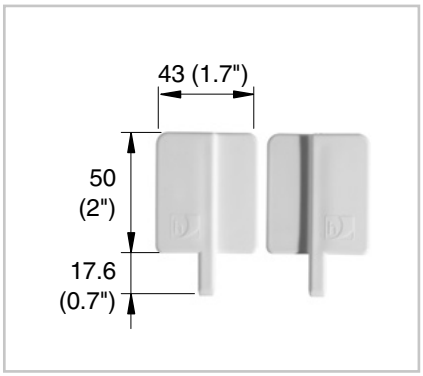
Flights are available in 100 mm *(4")* height, clip-on side guards in 50 mm *(2")* height, see illustrations below. Flights are available with ribs on one side for better release of wet or sticky food products (no-cling). They can be cut to specific width and height if required. The collapse factor remains unchanged.



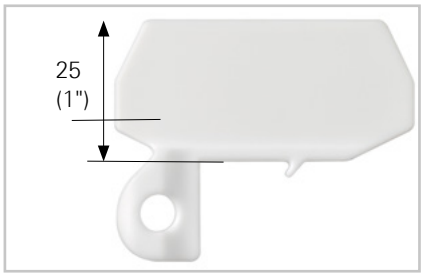
Middle flight
M3840F10



Edge flight
M384RF10 (right side)
M384LF10 (left side)
The total length L of the right and left type add to 200 mm *(8")*



Side guards
M384RG05 (right side)
M384LG05 (left side)
Left and right version can be put on the opposite edge (no functional problems) but they cannot be mixed.



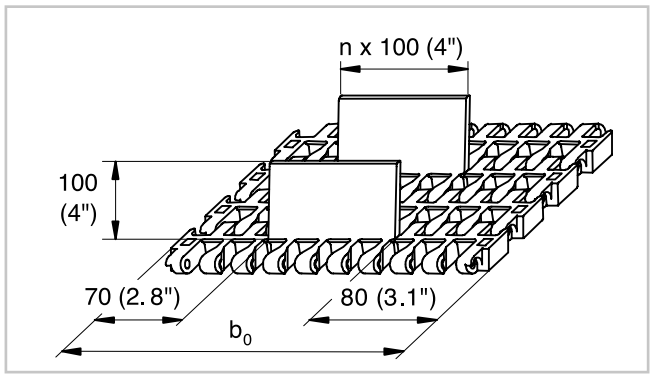
Lane divider
M3840W02

Standard range of belt widths b0 for belts with flights

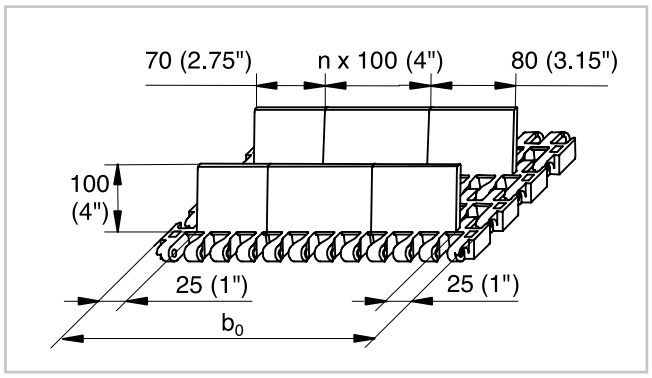
mm	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	etc.
inch (nom.)	*8*	*12*	*16*	*20*	*24*	*28*	*32*	*36*	*40*	*44*	*48*	*52*	*56*	*60*	*etc.*

Flights, side guards and lane dividers M3840
Assembly conceptions for M3840 radius belts, flights and side guards

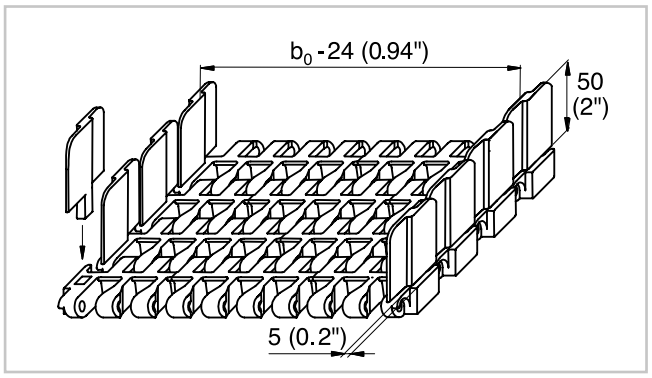
Middle flights only



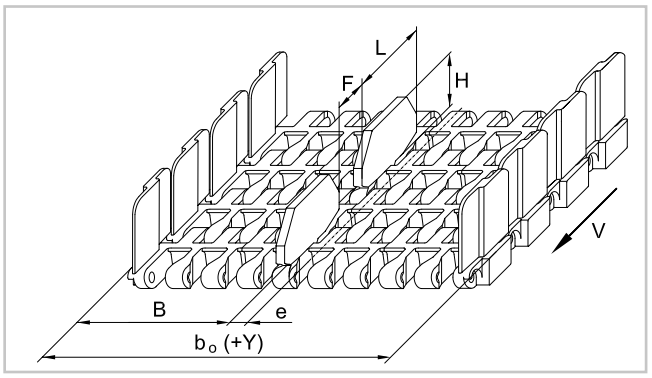
Middle and edge flights



Side guards only (clip-on version)



Standard indents



The combination of flights and side guards is possible but not recommended. With side guards, hold-down modules must be used. On the return way the belt has to be supported either on the flights or between flights and side guards (gap only 15 mm *(0.6")* wide). Do not support or guide the belt on the hold-down tabs.

Lane divider

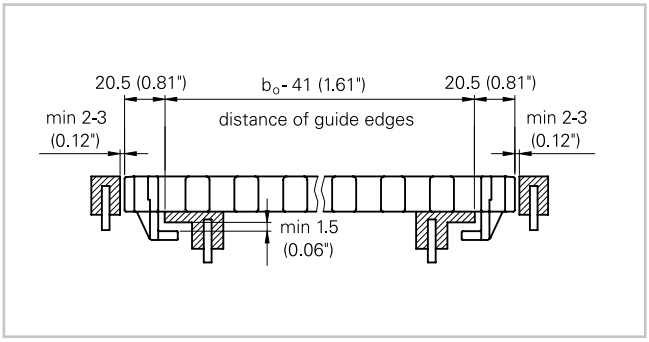
Indent	Left belt edge (running direction)	Right belt edge (running direction)
Middle flights only (no indent flights)	70 mm *(2.8")*	70 mm *(2.8")*
Middle flights and indent flights	25 mm *(1")*	25 mm *(1")*
Side guards	3.5 mm *(0.14")*	3.5 mm *(0.14")*

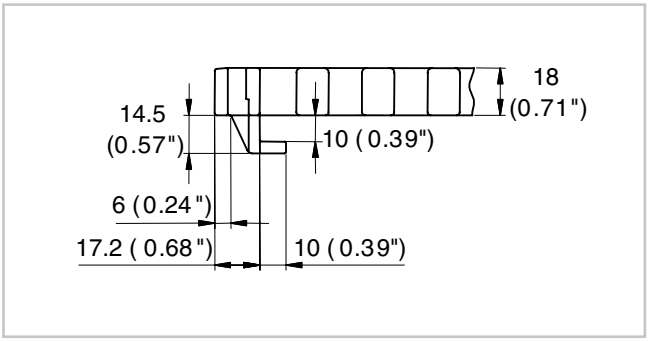
M2544 equipped with lane dividers

Min belt width		Standard width steps		Min edge distance		Offset to belt center		Distance lane divider		Height		Length	
B_0		Y		B		e*		F		H		L	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
400	*15.75*	50	*1.97*	191.7	*7.55*	0 or 8.3	*0 or 0.33*	16	*0.63*	25	*0.98*	34.8	*1.37*

*If belt width b_0 / 25 (0.98) is an even number, the offset will be 12.5 mm *(0.5")* to left or right.
If the result is an odd number, there will be no offset for center lane dividers.
Do not place sprockets below lane dividers.
Consider belt travel direction v.

Hold-down tabs for M3840





To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges.

Hold-down modules (M3840H)

Hold-down tabs are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.

Installation

Make sure to keep clearance between guides and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt.
For these reasons the conveyor needs to be designed with the appropriate accuracy.
Minimum belt width 175 mm *(7")* (2 sprockets).

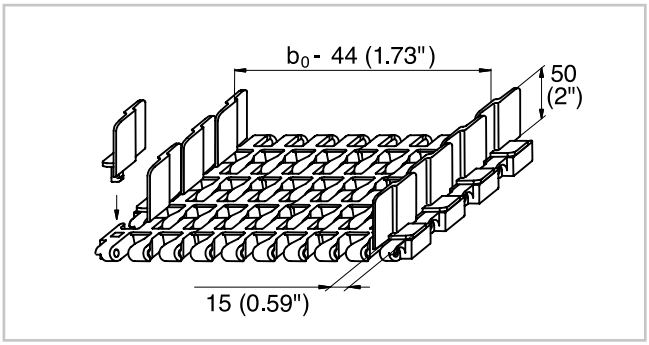
Sprocket sizes

The combination sprocket/shaft size has to be selected in such a way to avoid collision of the hold-down tabs with the shaft. Minimum sprocket sizes: M38S1240Q, M38S1260Q.

Note

The hold-down tabs are not recommended to be used for radial guidance. They can be worn away too quickly. They should not be used to hang up the belt on its return way.
Further design indications see Design Guide Radius Belts and Slider Support Systems.

Side guards M3843



Side guards are available in 50 mm height only.



M3843 with side guards

The snap-on side guards for M3843 cannot be used in combination with snap-on hold-down tabs (hooks or side tabs). To avoid the belt in the curve to flip over or slip off the inner guide rail, hold-down guides can be applied.

Hold-down tabs and side tabs for M3843
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases
special modules equipped with hold-down tabs (hook modules) or side tabs are available for both belt edges.

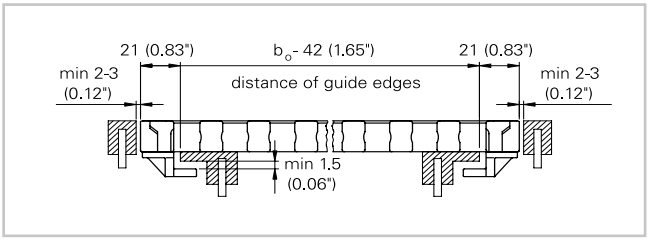
Hold-down modules (M3843H00)
Hold-down tabs are used for all applications where the products must be able to move over the belt edge.

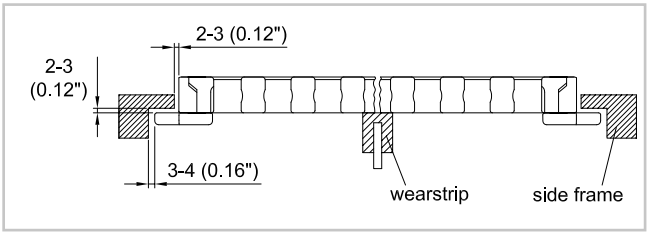
Side tabs (M3843V00)
Side tabs can be used instead of hold-down tabs for all applications where the products must be able to move over the belt edge.

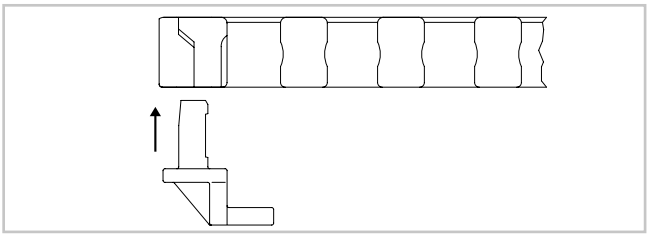
Installation
Both hold-down tabs and side tabs are snapped into the square hole provided at the outermost link of the edge modules. If ordered accordingly, M3843 belts are already furnished with these hold-down tabs when delivered.
When installing on the conveyor frame, make sure to keep clearance between guides and tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy.
Minimum belt width 175 mm *(7")* (2 sprockets).

Sprocket sizes
The combination sprocket/shaft size has to be selected in such a way to avoid collision of the hold-down tabs with the shaft. Minimum sprocket sizes: M38S1240Q, M38S1260Q.

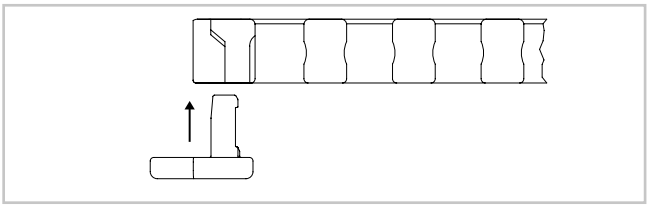
Note
The hold-down tabs are not recommended to be used for radial guidance. They can be worn away too quickly. Neither hold-down tabs nor side tabs should be used to hang up the belt on its return way.
Further design indications see Design Guide Radius Belts and Slider Support Systems.



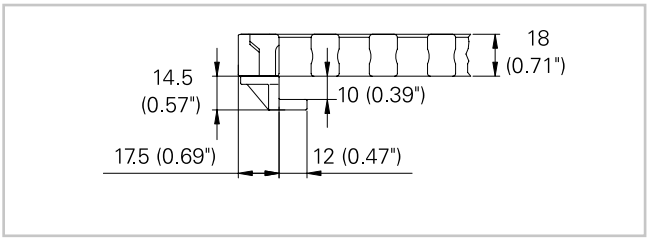




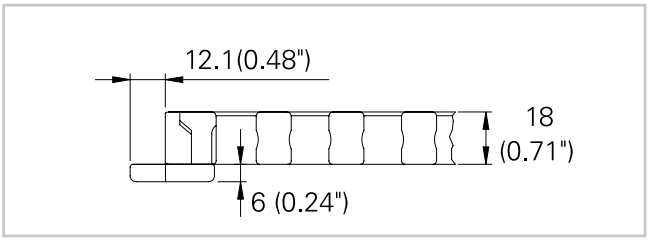
M3843H00



M3843V00



M3843H00



M3843V00

HabasitLINK®
SP615 Flush Grid 1.5"

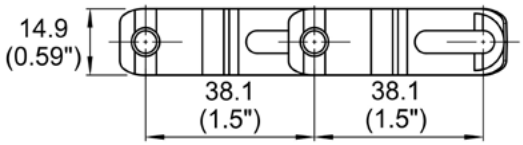
Description

- 49% open area; 81% open contact area;
- Flush Grid Surface; largest opening 9.7x12.5 mm *(0.38"x0.49")*
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories

- Flights
- GripTop modules
- Side guards
- Hold down tabs
- Rollers



Belt data

Belt material		PA	PE	POM	PP
Rod material		PP	PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21890 *1500*	11679 *800*	21890 *1500*	14599 *1000*
Temperature range	°C *°F*	5 - 118 *40 - 245*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 99 *40 - 210*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.53*	5.6 *1.14*	7.8 *1.59*	5.4 *1.11*
Standard belt color		dark gray	white	gray	gray/white

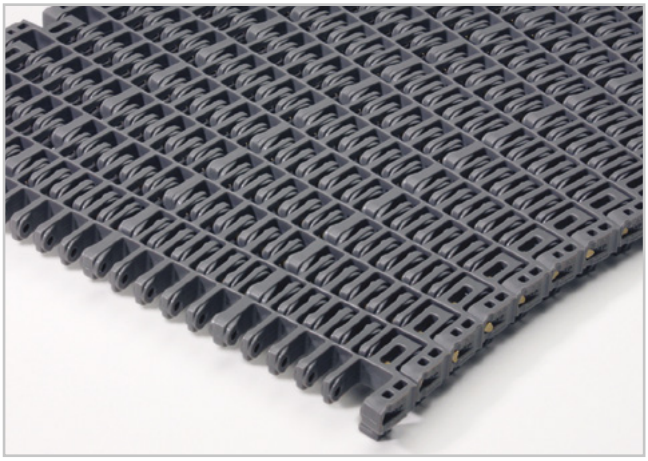
Diameter of idling rollers (minimum)	
mm	*inch*
61	*2.40*

Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm). Non standard widths are offered in increments of *0.625*" (15.9mm) starting from *4*" (101.6mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
IS615 Radius Flush Grid 1.5"

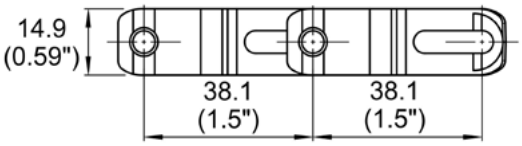
Description

- 49% open area; 81% open contact area;
- Flush Grid Surface; largest opening 12.1x15.4 mm *(0.48"x0.61")*
- For radius and straight conveying
- Nominal collapse factor: 2.2 for belts up to 609.6mm *(24")* wide
- Nominal collapse factor: 2.5 for belts over 609.6mm *(24")* wide
- Open hinge, Easy to clean
- Rod diameter 4.8 mm *(0.188")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories

- Flights
- GripTop modules
- Side guards
- Hold down tabs
- Rollers



Belt data

Belt material		PA	PE	POM	PP
Rod material		**PA**	**POM**	**PA**	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20438 *1400*	11679 *800*	11679 *800*	14599 *1000*
Nominal tensile strength F'_N in curve (1)	N *lb*	1779 *400*	845 *190*	1779 *400*	1112 *250*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 65 *-40 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.53*	6.0 *1.22*	8.7 *1.83*	5.8 *1.19*
Standard belt color		gray	white	gray	gray

Diameter of idling rollers (minimum)	
mm	*inch*
61	*2.40*

Standard range of belt widths in increments of *3*" (76.2mm) starting from *7.25*" (184.2mm) Non standard widths are offered in increments of 0.625" (15.9mm) starting from *5*" (127mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Belts are available in PP (PP rods) and PE (PE rods) materials for straight applications. Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series SP615 and IS615

M	65	S	07	40	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

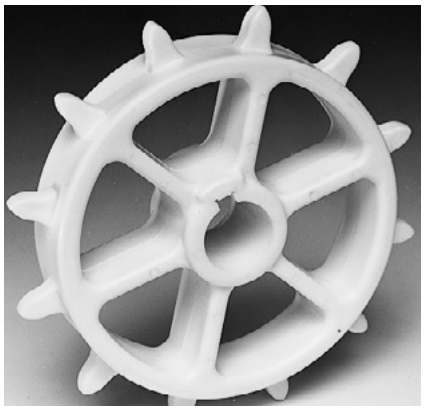
03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

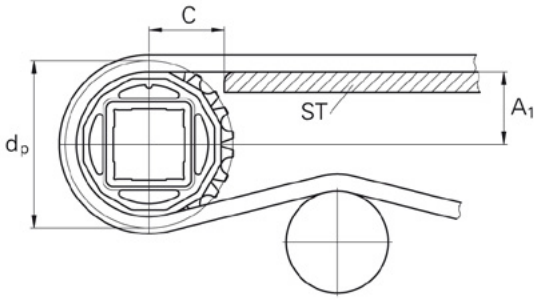
07 Material: 3 = UHMW; 8 = PA



Molded sprocket



Machined sprocket



The distance **C** between the sprocket axis
and the slider support **ST** is minimal 42mm *(1.65")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M65S	7	87,8	*3,46*	36,4	*1,43*	19	*0,75*		*1*	25 / 30 / 40	*1 / 1.25 / 1-7/16 / 1.5*	PE
M65S	15	183,3	*7,21*	84,1	*3,31*	19	*0,75*	40	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
M65S	17	207,3	*8,16*	96,2	*3,79*	19	*0,75*	40	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
71509M-GN-1	9	111,4	*4,39*	48,2	*1,90*	38	*1,50*				*1*	PA
71509M-GN-1-1/2SQ	9	111,4	*4,39*	48,2	*1,90*	38	*1,50*		*1,5*			PA
71509M-GN-1-1/4	9	111,4	*4,39*	48,2	*1,90*	38	*1,50*				*1,25*	PA
71509M-GN-1-7/16	9	111,4	*4,39*	48,2	*1,90*	38	*1,50*				*1 7/16*	PA
71509M-GN-30MM	9	111,4	*4,39*	48,2	*1,90*	38	*1,50*			30		PA
71512M-GN-1	12	147,2	*5,80*	66,1	*2,60*	38	*1,50*				*1*	PA
71512M-GN-1-1/2SQ	12	147,2	*5,80*	66,1	*2,60*	38	*1,50*		*1,5*			PA
71512M-GN-1-7/16	12	147,2	*5,80*	66,1	*2,60*	38	*1,50*				*1 7/16*	PA
71512M-GN-30MM	12	147,2	*5,80*	66,1	*2,60*	38	*1,50*			30		PA

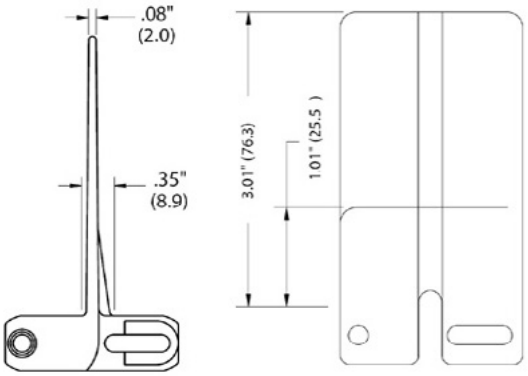
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
Accessories for series IS615

Flights and side guards for series IS615 (radius)

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

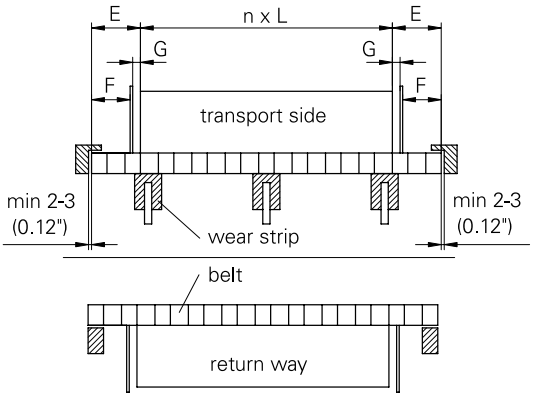
	Flight		Side guard
Code	SP615XXXX-W/FT		SP/SG615
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	152.4 *6*	25.4 *1*
mm *inch*	50.8 *2*	152.4 *6*	-
mm *inch*	*76.2* *3*	152.4 *6*	*76.2* *3*



IS615XXXX-W/FT IS/SG615

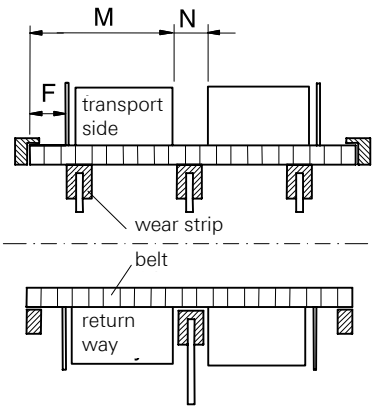
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 15.9 mm *(0.63")*. For IS615 series the minimum notch width is 32 mm *(1.25")*.



Installation of flights; indents

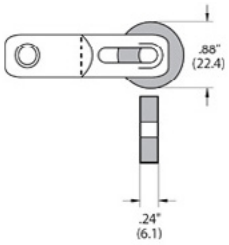
The distance between the flight and the hold-down- and support shoes/wear strips should not be smaller than 5 mm *(0.2")*.

	Possible flight indent E					
	Flight only		Flight + side guard with gap (G˜ 8.9 mm (0.35")			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
*Module cutting necessary	44.5	*1.75*	44.5	*1.75*	26.9	*1.06*
*Module cutting necessary	60.3	*2.38*	60.3	*2.38*	42.9	*1.69*
*Module cutting necessary	76.2	*3*	76.2	*3*	58.7	*2.31*
*Module cutting necessary	92.1	*3.63*	92.1	*3.63*	74.6	*2.94*
Module cutting necessary	108	*4.25*	108	*4.25*	90.4	*3.56*

Flights and Side guards IS615

Rollers

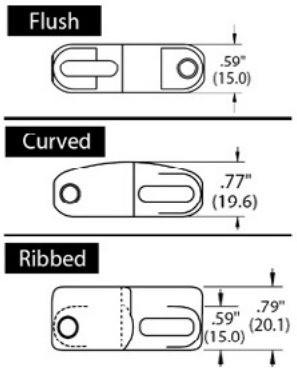
Rollers provide a low friction to product and are often used if products get accumulated on the belt.
Note: The use of rollers will change the collapse factor to 3.5.



ROLLERS-XX-1-1/2

GripTop insert modules

GripTop inserts are optionally used with IS615 belts. Since they are molded in TPE material it does affect the belt pull.



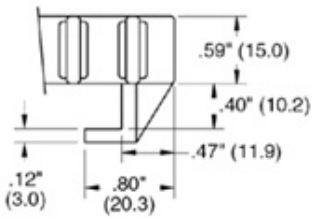
SP615XXHF

CT615XXHF

SP615XXHF-W/R

Hold down tabs for IS615 (radius) standard hold down tab

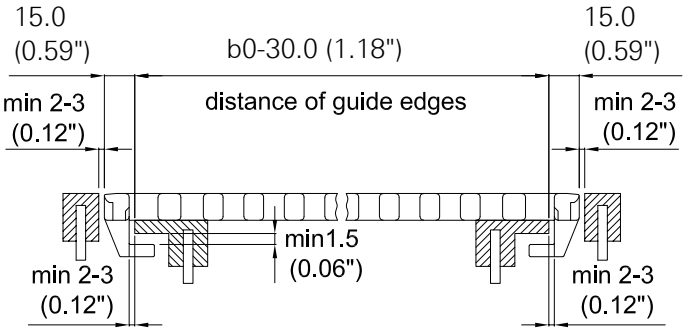
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension IS615XXXX-HDT are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



IS615XXXX-HDT

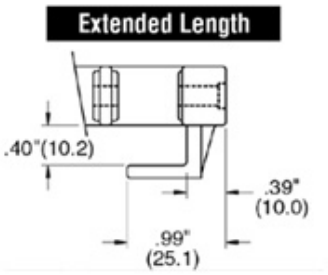
Installation

Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 127 mm *(5")*.



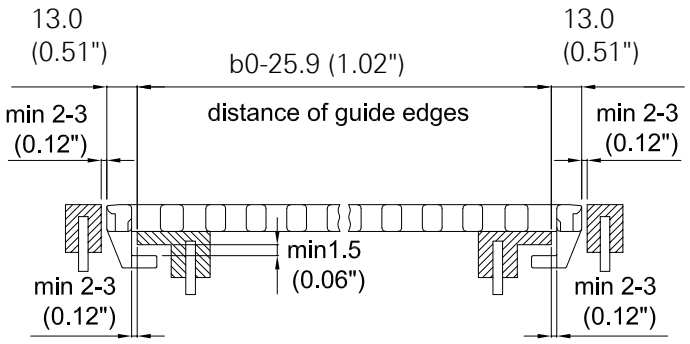
Hold down tabs for IS615 (radius) elongated hold down tab

To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension IS615XXXX-ELT are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



IS615XXXX-ELT

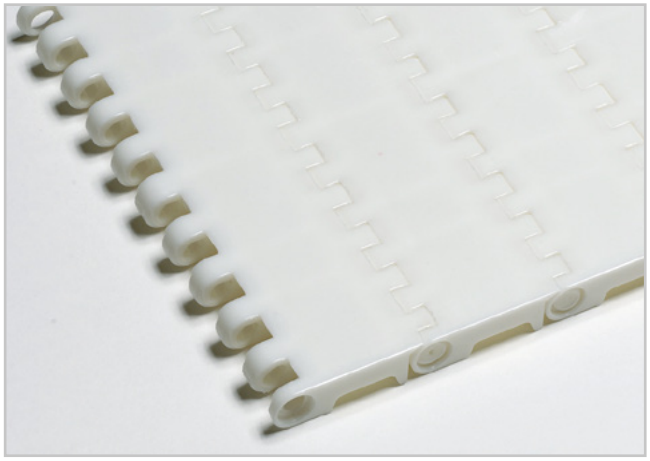
Installation
Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 127 mm *(5")*.

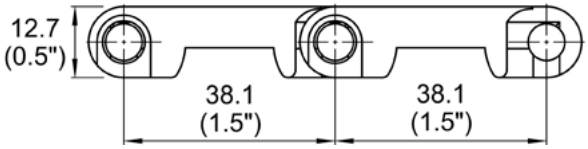


HabasitLINK®
ST615 Flat Top 1.5"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 6.4 mm *(0.25")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards





Belt data

Belt material		PE	PP
Rod material		**PE**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21010 1440	26262 1800
Temperature range	°C *°F*	-70 - 65 -94 - 150	5 - 105 40 - 220
Belt weight m_B	kg/m² *lb/sqft*	7.3 1.50	6.8 1.40
Standard belt color		white	gray

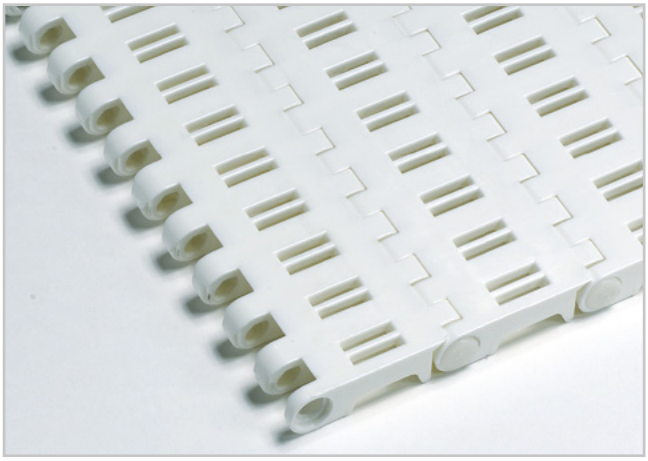
Diameter of idling rollers (minimum)	
mm	*inch*
61	*2.40*

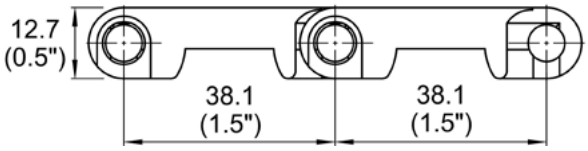
Standard belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *0.625*" (15.9mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
VT615 Vent Top 1.5"

Description
- 15% open area; 17% open contact area
- Vent Top Surface; largest opening 2.5x12.1 mm *(0.10"x0.48")*
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards





Belt data

Belt material		PE	PP
Rod material		**PE**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21010 *1440*	26262 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 105 *-40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.3 *1.50*	6.8 *1.40*
Standard belt color		white	gray

Diameter of idling rollers (minimum)	
mm	*inch*
61	*2.40*

Standard belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *0.625*" (15.9mm) starting from *3*" (76.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Sprocket series ST615 and VT615

M	T2	S	15	40	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

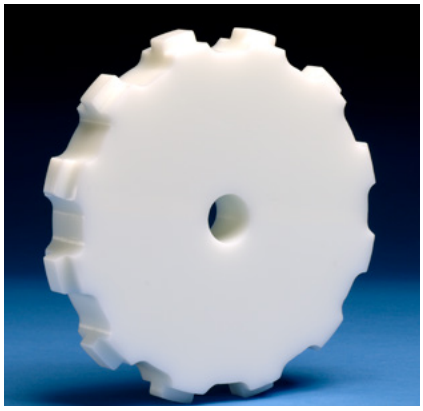
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

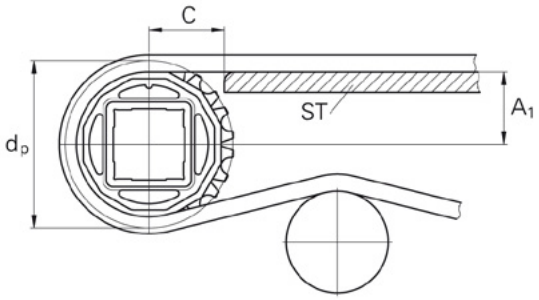
07 Material: 3 = UHMW; 8 = PA



Molded sprocket



Machined sprocket



The distance **C** between the sprocket axis
and the slider support **ST** is minimal 42mm *(1.65")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MT2S	15	183,3	*7,21*	85,3	*3,36*	25	*1,00*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MT2S	17	207,3	*8,16*	97,3	*3,83*	25	*1,00*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
ST71509M-WN-1	9	111,4	*4,39*	49,3	*1,94*	38	*1,50*				*1*	PA
ST71509M-WN-1-1/2SQ	9	111,4	*4,39*	49,3	*1,94*	38	*1,50*		*1,5*			PA
ST71509M-WN-1-1/4	9	111,4	*4,39*	49,3	*1,94*	38	*1,50*				*1,25*	PA
ST71512M-WN-1	12	147,2	*5,80*	67,3	*2,65*	38	*1,50*				*1*	PA
ST71512M-WN-1-1/2SQ	12	147,2	*5,80*	67,3	*2,65*	38	*1,50*		*1,5*			PA
ST71512M-WN-1-1/4	12	147,2	*5,80*	67,3	*2,65*	38	*1,50*				*1,25*	PA
ST71512M-WN-1-7/16	12	147,2	*5,80*	67,3	*2,65*	38	*1,50*				*1 7/16*	PA

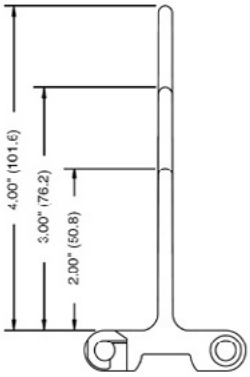
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
Accessories for series ST615 and VT615

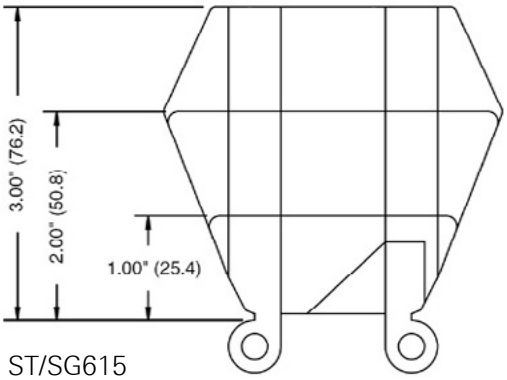
Flights and side guards for series ST615 and VT615

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight		Side guard
Code	ST615XXXX-W/FT		ST/SG615
Height H, Length L	H	L	H
mm *inch*	-	-	25.4 *1*
mm *inch*	50.8 *2*	152.4 *6*	50.8 2-
mm *inch*	*76.2* *3*	152.4 *6*	*76.2* *3*
mm *inch*	101.6 *4*	152.4 *6*	-



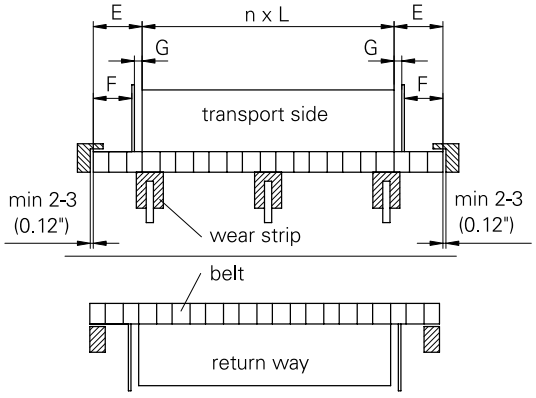
ST61512XX-W/FT



ST/SG615

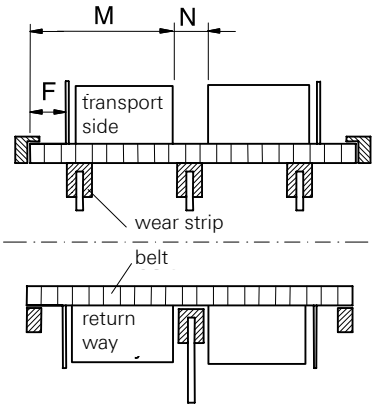
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 15.9 mm *(0.63")*. For ST615 series the minimum notch width is 31.8 mm *(1.25")*.



Installation of flights; indents

The distance between the flight and the hold-down- and support shoes/wear strips should not be smaller than 5 mm *(0.2")*.

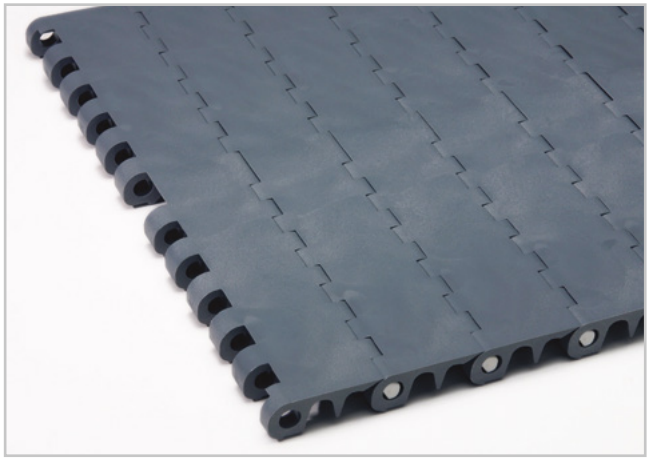
	Possible flight indent E					
	Flight only		Flight + side guard with gap (G˜ 7.9 mm (0.31"))			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
*Module cutting necessary	15.9	*0.63*	-	-	-	-
*Module cutting necessary	31.8	*1.25*	31.8	*1.25*	15.9	*0.63*
*Module cutting necessary	47.6	*1.875*	47.6	*1.875*	31.8	*1.25*
*Module cutting necessary	63.5	*2.5*	63.5	*2.5*	47.6	*1.875*
Module cutting necessary	76.2	*3*	76.2	*3*	63.5	*2.5*

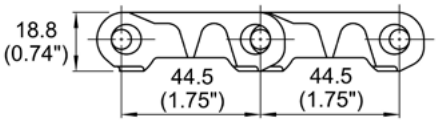
Flights and Side guards ST615, VT615
*If indent is not an increment of *3"*, cutting flight row must consider sprocket paths

HabasitLINK®
CC41 Flat Top 1.75"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 6.4 mm *(0.25")*
- Plugs with floater rod retainer system
- Food approved materials available

Available accessories
- Flights and scoops
- Bucket flights
- Slide flight
- Side guards





Belt data

Belt material		PA+FRF	PE	PP+DE	PP
Rod material		PA			
Nominal tensile strength F'_N straight run	N/m *lb/ft*	37944 *2600*	23349 *1600*	27728 *1900*	35024 *2400*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	9.0 *1.85*	8.0 *1.63*	5.9 *1.20*	7.3 *1.50*
Standard belt color		beige	white	dark gray	gray/white/black

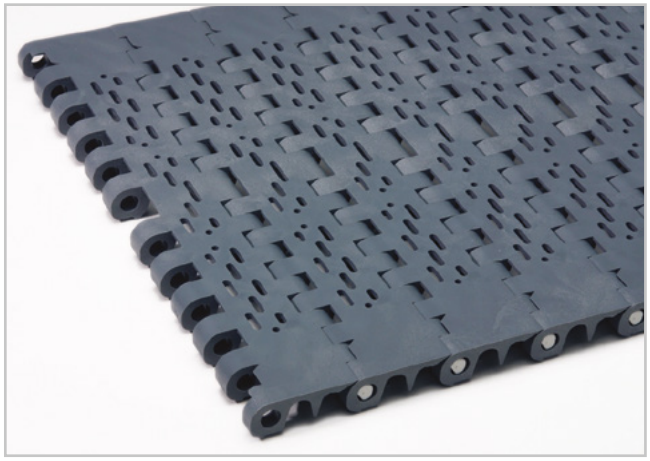
Diameter of idling rollers (minimum)	
mm	*inch*
71	*2.80*

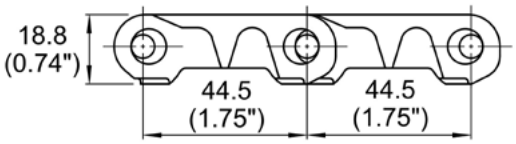
Standard belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, stainless steel rods available.

HabasitLINK®
CC42 Vent Top 1.75"

Description
- 12% open area; 21% open contact area
- Vent Top Surface; largest opening 5.0x7.6 mm *(0.20"x0.30")*
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Plugs with floater rod retainer system
- Food approved materials available

Available accessories
- Flights and scoops
- Bucket flights
- Slide flight
- Side guards





Belt data

Belt material		PE	PP
Rod material		**PA**	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	23349 *1600*	35024 *2400*
Temperature range	°C *°F*	-40 - 65 *-40 - 150*	5 - 105 *-40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.3 *1.49*	7.0 *1.44*
Standard belt color		white	gray/white/black

Diameter of idling rollers (minimum)	
mm	*inch*
71	*2.80*

Standard belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, stainless steel rods available.

HabasitLINK®
Sprocket series CC41 and CC42

M	C4	S	07	25	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

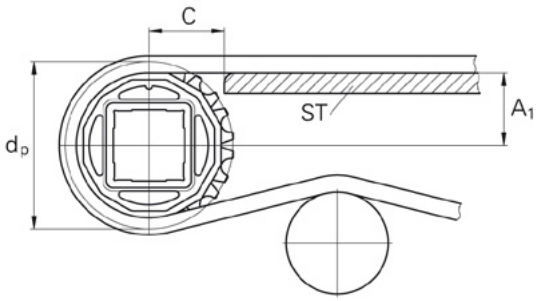
07 Material: 3 = UHMW; 8 = PA



Drive sprocket



Tracking sprocket



The distance **C** between the sprocket axis
and the slider support **ST** is minimal 49mm *(1.93")*

Machined Sprockets Availability

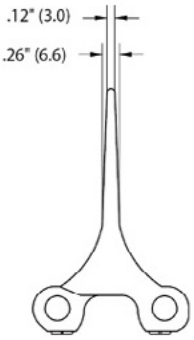
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MC4S	7	102,4	*4,03*	41,8	*1,65*	32	*1,25*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	9	130,0	*5,12*	55,6	*2,19*	32	*1,25*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	11	157,8	*6,21*	69,5	*2,74*	32	*1,25*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	13	185,7	*7,31*	83,5	*3,29*	32	*1,25*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	14	199,8	*7,86*	90,5	*3,56*	32	*1,25*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	17	241,9	*9,52*	111,6	*4,39*	32	*1,25*	40	*1.5 / 2.5*	40 / 50	*1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC4S	21	298,2	*11,74*	139,7	*5,50*	32	*1,25*	40	*1.5 / 2.5*	40 / 50	*1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	7	102,4	*4,03*	41,8	*1,65*	38	*1,50*	40	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	9	130,0	*5,12*	55,6	*2,19*	38	*1,50*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	11	157,8	*6,21*	69,5	*2,74*	38	*1,50*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	13	185,7	*7,31*	83,5	*3,29*	38	*1,50*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	14	199,8	*7,86*	90,5	*3,56*	38	*1,50*	40	*1 / 1.5 / 2.5*	30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	17	241,9	*9,52*	111,6	*4,39*	38	*1,50*	40	*1.5 / 2.5*	40 / 50	*1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MC5S	21	298,2	*11,74*	139,7	*5,50*	38	*1,50*	40	*1.5 / 2.5*	40 / 50	*1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.
* MC4S = drive sprocket, MC5S = tracking sprocket

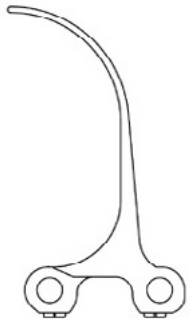
HabasitLINK®
Accessories for series CC41 and CC42

Flights and side guards for series CC41 and CC42

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.



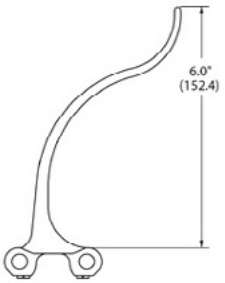
4017XXXX-W/FT



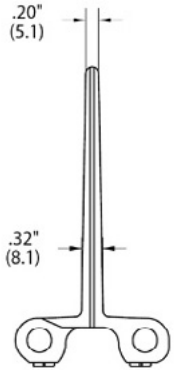
4017XXXX-W/FT-CRV



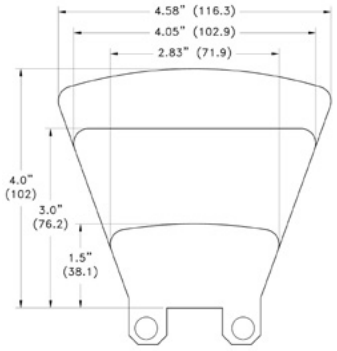
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4017XXXX-W/FT-SUP



4017XXXX-W/FT-4

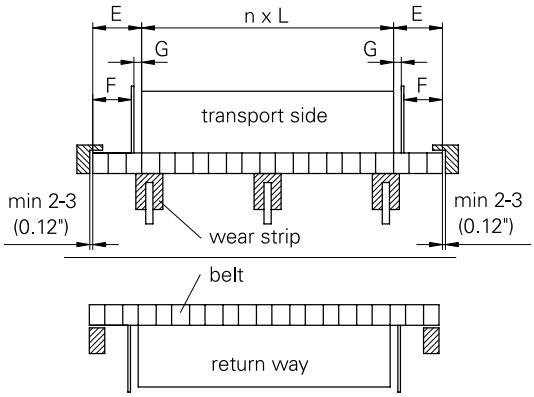


40/SG

	Standard flight		Scoop flight		Bucket flight		Slide flight		Tongue & groove flight		Side guard
Code	4017XXXX-W/FT		4017XXXX-W/FT-CRV		4017XXXX-W/FT-BUC		4017XXXX-W/FT-SUP		4017XXXX-W/FT-4		40/SG
Height H, Length L	H	L	H	L	H	L	H	L	H	L	H
mm *inch*	25.4 *1*	203.2 *8*	-	-	-	-	-	-	-	-	-
mm *inch*	50.8 *2*	203.2 *8*	-	-	-	-	-	-	-	-	38.1 *1.5*
mm *inch*	76.2 *3*	203.2 *8*	76.2 *3*	203.2 *8*	76.2 *3*	203.2 *8*	-	-	-	-	76.2 *3*
mm *inch*	-	-	101.6 *4*	203.2 *8*	101.6 *4*	203.2 *8*	-	-	101.6 *4*	203.2 *8*	101.6 *4*
mm *inch*	-	-	152.4 *6*	203.2 *8*	152.4 *6*	203.2 *8*	152.4 *6*	203.2 *8*	-	-	-

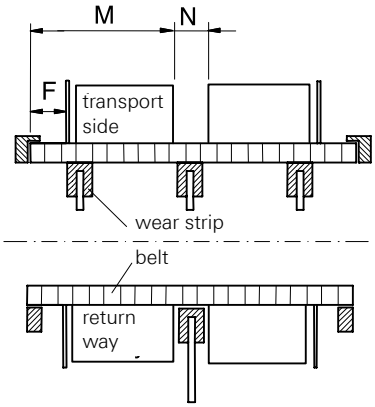
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (24") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm (1"). For 40 series the minimum notch width is 50.8 mm (2").



Installation of flights; indents

The distance between the flight and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (0.2").

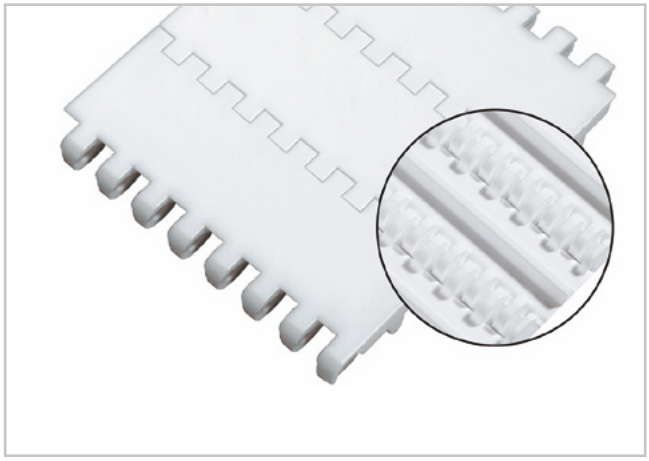
	Possible flight indent E					
	Flight only		*Flight + side guard with gap G~ 6 mm (0.25")			
	E		E		F	
	mm	inch	mm	inch	mm	inch
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	38.1	1.5	38.1	1.5	25.4	1
Module cutting necessary	50.8	2	50.8	2	38.1	1.5
Module cutting necessary	63.5	2.5	63.5	2.5	50.8	2
Module cutting necessary	76.2	3	76.2	3	63.5	2.5
*Standard, no module cutting			76.2	3	50.8	2

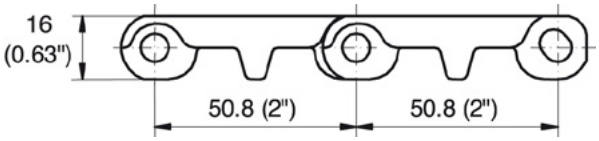
Flights and Side Guards CC41, CC42
*Molded pre notch side guard module available for 2" indent side guard (G~19 mm (0.75"))

HabasitLINK®
M5010 Flat Top 2"

Description
- 0% open area
- Solid plate
- Open hinge, easy to clean
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material			PE		POM		POM+JM	
Rod material			PA	PE	PA	PE	PA	PE
Nominal tensile strength F'_N straight run	N/m *lb/ft*		10000 *685*	10000 *685*	30000 *2055*	18000 *1233*	30000 *2055*	18000 *1233*
Temperature range	°C *°F*		-46 - 65 *-50 - 150*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*
Belt weight m_B	kg/m² *lb/sqft*		9.4 *1.93*	9.4 *1.93*	13.5 *2.77*	13.5 *2.77*	13.5 *2.77*	13.5 *2.77*

Belt material		PP	
Rod material		PP	PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	18000 *1233*	18000 *1233*
Temperature range	°C *°F*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	9.0 *1.85*	9.0 *1.85*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

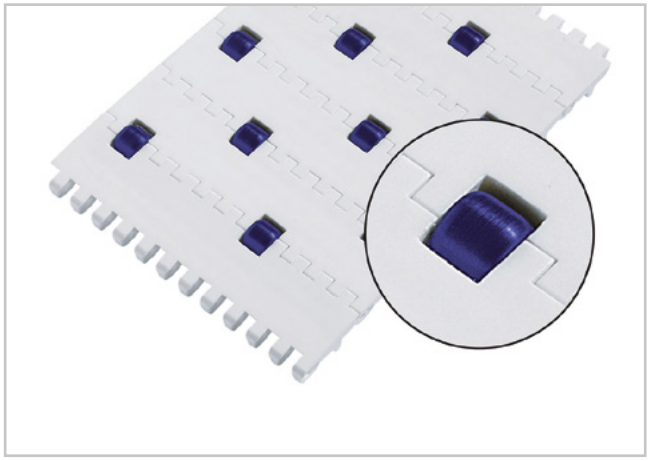
mm (nom.)	75	150	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*etc.*

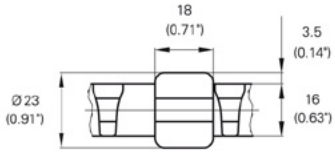
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.3% to 0.1% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 18.75 mm *(0.74")*. Smallest possible width 37.5 mm *(1.48")*.
Non-bricklayed belts 37.5 mm *(1.48")*, 56.25 mm *(2.21")*, 75 mm *(3")*, 150 mm *(6")*, 225 mm *(9")* and 600 mm *(24")* wide.

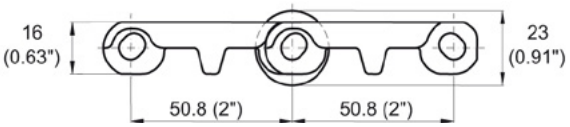
HabasitLINK®
M5010 Roller Top 2"

Description

- Largest opening 19x2 mm *(0.7"x0.08")*
- Roller lateral spacing see table belt data
- Rollers row spacing 50.8 mm *(2")*
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Open hinge
- Food approved materials available
- Rod diameter 7 mm *(0.27")*







Belt data

Belt material		**POM**			
Rod material		**PA**			
Roller material		**POM**			
Roller lateral spacing per row	mm / *inch*	112.0 / *4.40*	150.0 / *6.00*	56.0 / *2.20*	75.0 / *3.00*
Roller offset next row	mm / *inch*	56.0 / *2.20*	75.0 / *3.00*	0.0 / *0.00*	0.0 / *0.00*
Roller dimension diameter / width	mm *inch*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.71*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	22000 *1507*	22500 *1541*	20000 *1370*	21000 *1438*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.5 *2.77*	13.5 *2.77*	13.5 *2.77*	13.5 *2.77*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and free edge

Belt width (mm) (nom.)	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
Belt width (inch) (nom.)	9	12	15	18	21	24	27	30	33	36	39	42	etc.
Roller lateral spacing per row 112.5 mm / offset next row 56.25 mm													
Free edge (mm)	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	etc.
Free edge (inch)	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*etc.*
Sprocket offset (mm)	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	etc.
Sprocket offset (inch)	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	*etc.*
Sprockets	3	4	6	7	8	10	11	12	14	15	16	18	etc.
Rollers (2 rows)	4	5	6	8	9	10	12	13	14	16	17	18	etc.
Roller lateral spacing per row 150 mm / offset next row 75 mm													
Free edge (mm)	28	28	28	28	28	28	28	28	28	28	28	28	etc.
Free edge (inch)	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*etc.*
Sprocket offset (mm)	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	etc.
Sprocket offset (inch)	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*etc.*
Sprockets	2	3	4	5	6	7	8	9	10	11	12	13	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	etc.

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Smallest possible width 225 mm *(9")*.

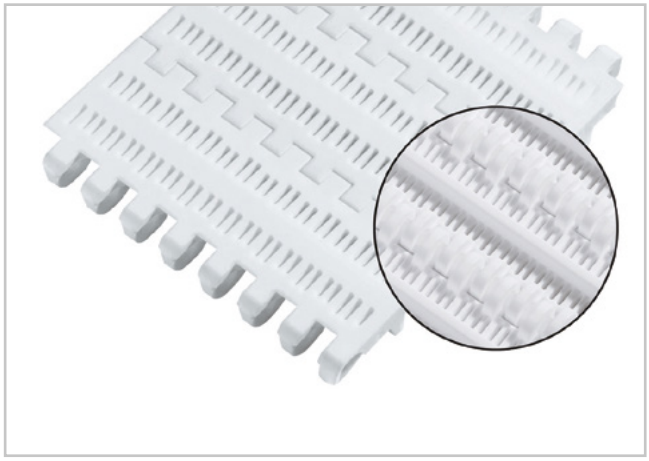
HabasitLINK®
M5011 Perforated Flat Top 2"

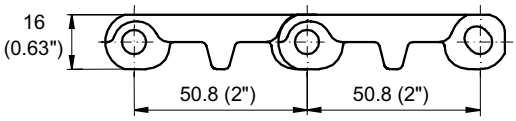
Description

- 18% open area; largest opening 2x10 mm *(0.08"x0.4")*
- Solid plate
- Open hinge, easy to clean
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories

- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material		PE	PP	PE	PP
Rod material		PA		PE	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10000 *685*	18000 *1233*	10000 *685*	18000 *1233*
Temperature range	°C *°F*	-46 - 65 *-50 - 150*	5 - 105 *40 - 220*	-70 - 65 *-94 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.3 *1.70*	7.8 *1.60*	8.3 *1.70*	7.8 *1.60*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

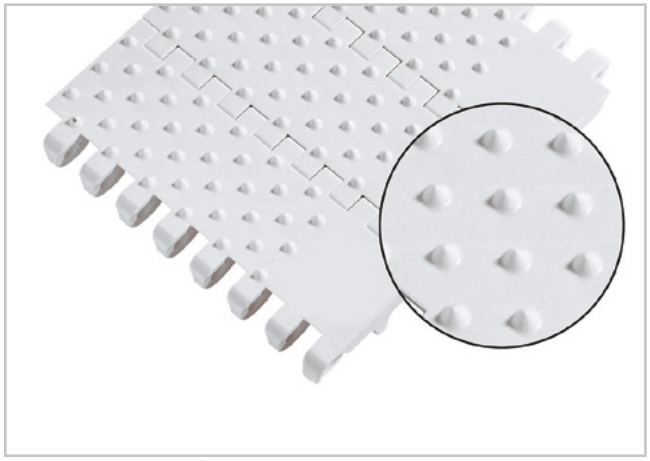
mm (nom.)	75	150	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*etc.*

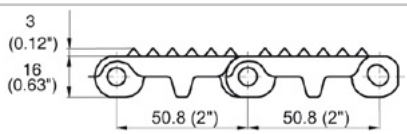
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 1 mm and -0.3% to 0.3% for wider belts.
For PP material up to 750 mm *(30")* -2 mm to 1 mm and -0.3% to 0.1% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts..
Standard belt widths in increments of 75 mm (3"). Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Smallest possible width 112.5 mm *(4.42")*. Non-bricklayed belts 75 mm *(3")* and 150 mm *(6")* wide.

HabasitLINK®
M5013 Cone Top 2"

Description
- 0% open area
- Solid plate
- Belt with extra grip, exact positioning
- Standard indent 37.5 mm *(1.5")*
- Open hinge, easy to clean
- Rod diameter 7 mm *(0.27")*
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices





Belt data

Belt material		**POM**
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	30000 *2055*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.7 *2.81*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

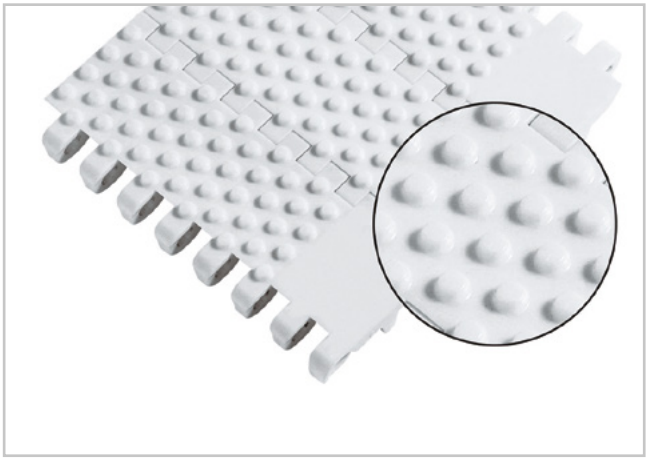
mm (nom.)	255	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

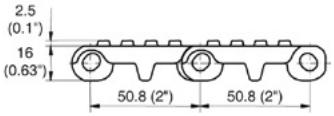
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Smallest possible width 112.5 mm *(4.42")*.

HabasitLINK®
M5014 Nub Top 2"

Description
- 0% open area
- Solid plate
- Non-adhesive because of less contact surface
- Open hinge, easy to clean
- Standard indent 37.5 mm (1.5")
- Rod diameter 7 mm (0.27")
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices





Belt data

Belt material		PE	
Rod material		**PA**	**PE**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10000 *685*	10000 *685*
Temperature range	°C *°F*	-46 - 65 *-50 - 150*	-70 - 65 *-94 - 150*
Belt weight m_B	kg/m² *lb/sqft*	9.6 *1.97*	9.6 *1.97*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

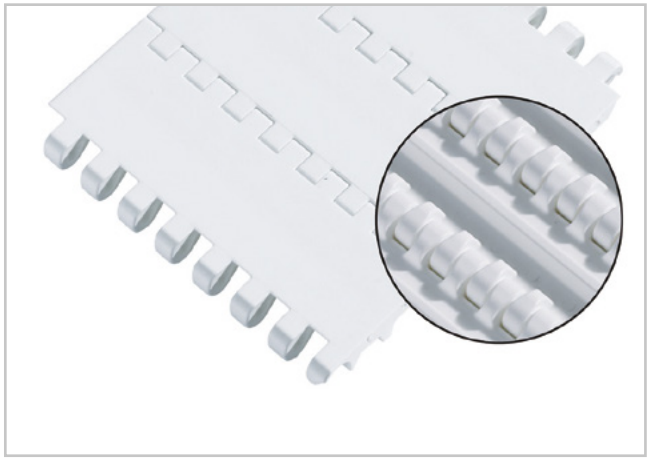
mm (nom.)	255	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

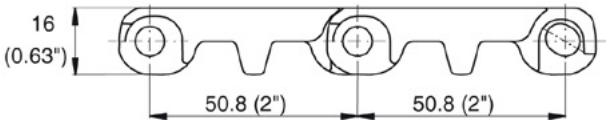
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and 0.4% to 0% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Smallest possible width 112.5 mm *(4.42")*.

HabasitLINK®
M5015 Flat Top 2"

Description
- 0% open area
- Solid plate
- Dynamic hinge gap for easy release of debris and ice
- Strong link design, for ski lift applications as well as for food and material handling
- Rod diameter 7 mm (0.27")
- Food approved materials available

Available accessories
- Hold-down devices
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		POM	
Rod material		**PA**	**PBT**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	53000 *3631*	38000 *2603*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	14.9 *3.05*	14.9 *3.05*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

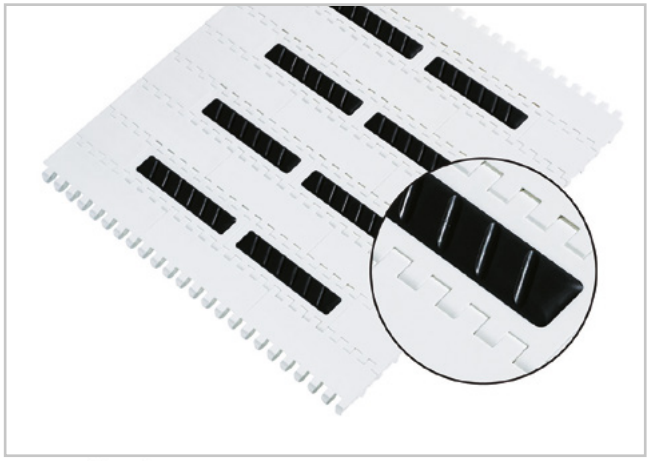
mm (nom.)	75	150	225	300	375	450	525	600	675	750	825	900	975	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

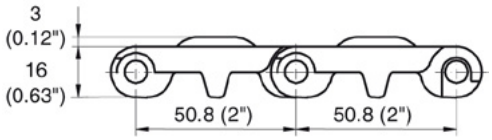
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Non-bricklayed belts 75 mm *(3")* and 150 mm *(6")*.

HabasitLINK®
M5015 GripTop 2"

Description
- 0% open area
- Solid plate
- Dynamic hinge gap for easy release of debris and ice
- Strong link design
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories
- Hold-down devices
- Side guards





Belt data

Belt material		PP		
GripTop material		TPE		
Rod material		PA	PP	POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	31000 *2124*	29000 *1987*	31000 *2124*
Temperature range	°C *°F*	5 - 60 *40 - 140*	5 - 60 *40 - 140*	5 - 60 *40 - 140*
Belt weight m_B	kg/m² *lb/sqft*	9.9 *2.03*	9.9 *2.03*	9.9 *2.03*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

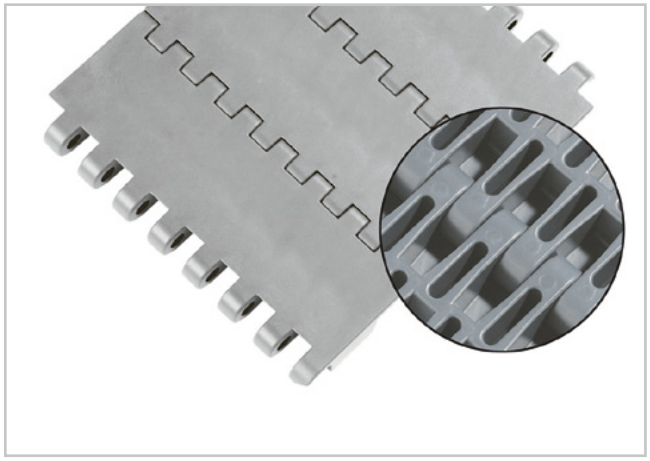
mm (nom.)	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

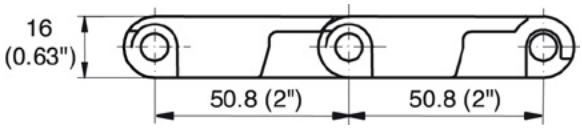
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Smallest possible width 225 mm *(9")*. Non-bricklayed belts without indent 150 mm *(6")* wide.

HabasitLINK®
M5020 Flat Top Heavy Duty 2"

Description
- 0% open area
- Extremely stiff
- Closed hinge
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material		POM	
Rod material		**PA**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	60000 *4110*	35000 *2398*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.5 *2.77*	13.5 *2.77*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	255	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

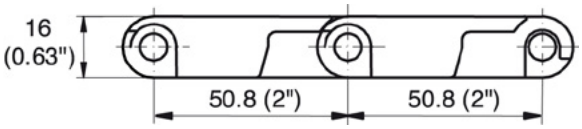
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Non-bricklayed belts 75 mm *(3")* and 150 mm *(6")*.

HabasitLINK®
M5021 Perforated Flat Top 2"

Description
- 25% open area, 25% open contact area, largest opening 3x19.5 mm *(0.11"x0.77")*
- Closed hinge
- Rod diameter 7 mm *(0.27")*
- Food approved materials available

Available accessories
- Flights straight and scoops (flight bent)
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material		**POM**
Rod material		**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	35000 *2398*
Temperature range	°C *°F*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.1 *2.68*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

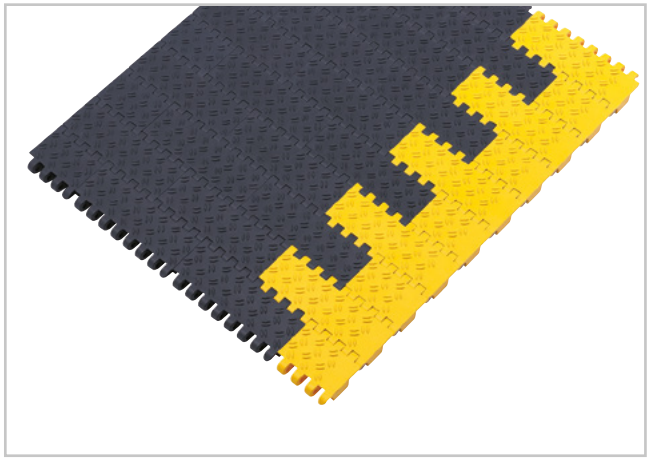
mm (nom.)	75	150	225	300	375	450	525	600	675	750	825	900	975	etc.
inch (nom.)	*3*	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*etc.*

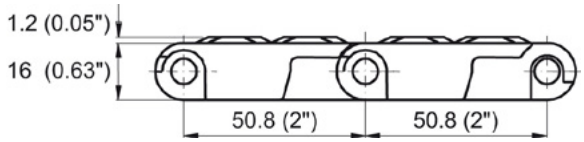
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Smallest possible width 112.5 mm *(4.42")*. Non-bricklayed belts 75 mm *(3")* and 150 mm *(6")* wide.

HabasitLINK®
M5023 Non Slip 2"

Description

- 0% open area
- Extremely stiff
- Closed hinge
- Safe Non Slip profile for people mover applications
- Rod diameter 7 mm (0.27")
- Standard belt material is antistatic
- Electro conductive and flame retardant materials available
- Also available with pattern free indent 19 mm (0.75")





Available accessories

- Hold-down devices

Belt data

Belt material		POM+AS	
Rod material		**PA**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	56000 *3836*	33000 *2261*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.8 *2.83*	13.8 *2.83*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

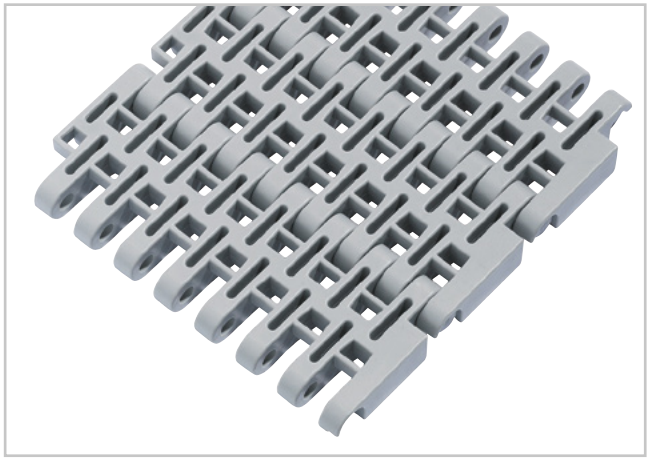
mm (nom.)	255	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

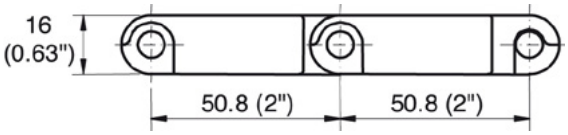
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Non-standard widths are offered in increments of 18.75 mm *(0.74")*. Non-bricklayed belts 75 mm *(3")* and 150 mm *(6")*.

HabasitLINK®
M5032 Flush Grid Heavy Duty 2"

Description
- Strong design
- 34% open area; 60% open contact area; largest opening 6.4x8.5 mm *(0.25"x0.33")*
- Excellent for flushing and draining
- Closed hinge
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material		PP	
Rod material		**POM**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	38000 *2603*	36000 *2466*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	8.0 *1.64*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Standard range of belt widths b_0

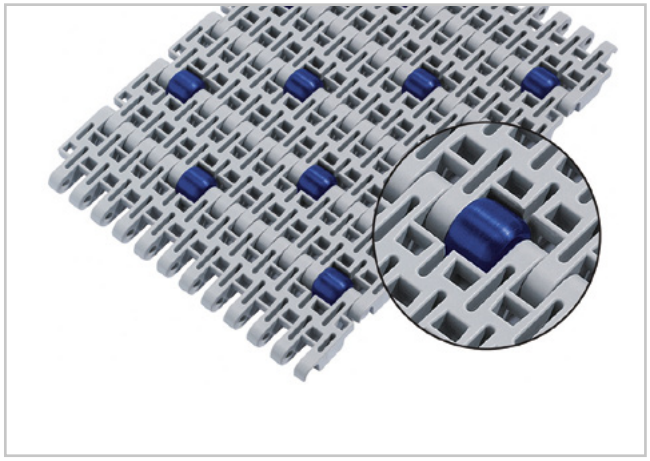
mm (nom.)	255	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*48*	*etc.*

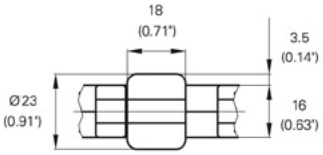
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm (*3"*). Non-standard widths are offered in increments of 18.75 mm (*0.74"*). Smallest possible width 112.5 mm (*4.42"*).of 18.75 mm (*0.74"*). Smallest possible width 112.5 mm (*4.42"*).

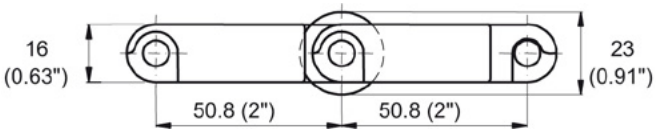
HabasitLINK®
M5032 Roller Top 2"

Description

- Strong design
- 33% open area; largest opening 6.4x8.5 mm *(0.25"x0.33")*
- Rollers row spacing 50.8 mm *(2")*
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for flushing and draining
- Closed hinge
- Food approved materials available
- Rod diameter 7 mm *(0.27")*







Belt data

Belt material		PP			
Rod material		PA		PP	
Roller material		POM			
Roller lateral spacing per row	mm / *inch*	112.0 / *4.40*	150.0 / *6.00*	112.0 / *4.40*	150.0 / *6.00*
Roller offset next row	mm / *inch*	56.0 / *2.20*	75.0 / *3.00*	56.0 / *2.20*	75.0 / *3.00*
Roller dimension diameter / width	mm *inch*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.7*	Ø 23/ 18 *Ø 0.91 / 0.71*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	25000 *1712*	28000 *1918*	24000 *1644*	27000 *1850*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	8.0 *1.64*	8.0 *1.64*	8.0 *1.64*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0 and free edge

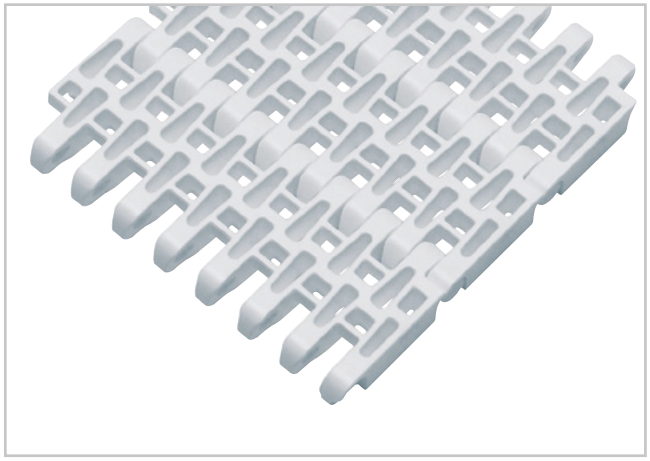
Belt width (mm) (nom.)	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
Belt width (inch) (nom.)	9	12	15	18	21	24	27	30	33	36	39	42	etc.
Roller lateral spacing per row 112.5 mm / offset next row 56.25 mm													
Free edge (mm)	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	etc.
Free edge (inch)	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	etc.
Sprocket offset (mm)	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	etc.
Sprocket offset (inch)	0	0.74	-0.74	0	0.74	-0.74	0	0.74	-0.74	0	0.74	-0.74	etc.
Sprockets	3	4	6	7	8	10	11	12	14	15	16	18	etc.
Rollers (2 rows)	4	5	6	8	9	10	12	13	14	16	17	18	etc.
Roller lateral spacing per row 150 mm / offset next row 75 mm													
Free edge (mm)	28	28	28	28	28	28	28	28	28	28	28	28	etc.
Free edge (inch)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	etc.
Sprocket offset (mm)	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	etc.
Sprocket offset (inch)	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	etc.
Sprockets	2	3	4	5	6	7	8	9	10	11	12	13	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	etc.

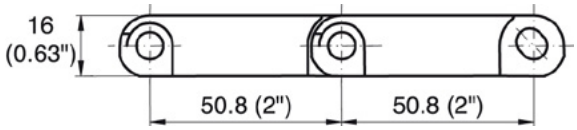
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm *(3")*. Smallest possible width 225 mm *(9")*.

HabasitLINK®
M5033 Flush Grid 2"

Description
- 37% open area; 55% open contact area; largest
- opening 6.0x8.5 mm *(0.24"x0.33")*
- Excellent for cooling and draining
- Open hinge
- Easy to clean
- Food approved materials available
- Rod diameter 7 mm *(0.27")*

Available accessories
- Flights and scoops
- Side guards
- Hold-down devices
- GripTop modules





Belt data

Belt material		PE	POM		PP
Rod material		PE	PA	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	18000 *1233*	35000 *2397*	30000 *2055*	26000 *1781*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.2 *1.48*	10.2 *2.09*	10.2 *2.09*	6.8 *1.39*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Standard range of belt widths b_0

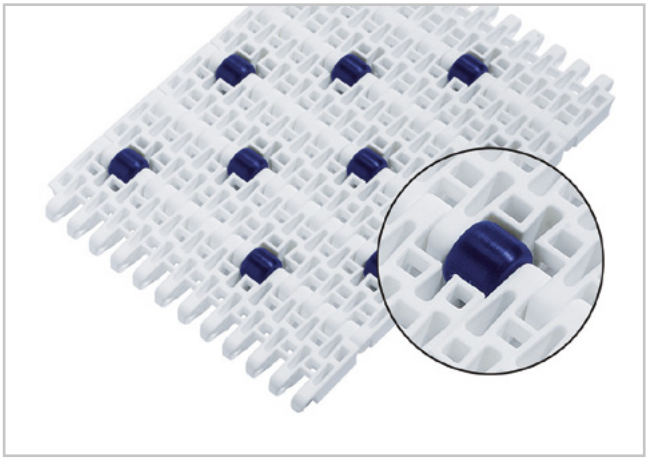
mm (nom.)	225	300	375	150	525	600	675	750	825	900	975	1050	1125	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*etc.*

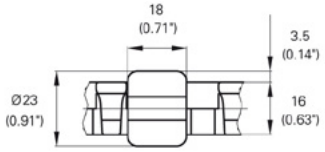
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For PP material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm (*30"*) -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm (*3"*). Non-standard widths are offered in increments of 18.75 mm (*0.74"*). Smallest possible width 112.5 mm (*4.42"*).

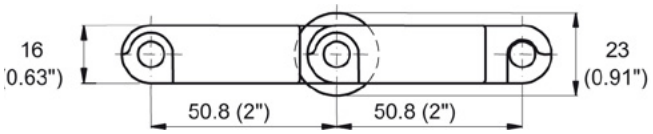
HabasitLINK®
M5033 Roller Top 2"

Description

- 37 % open area; largest opening 6.0x8.5 mm *(0.24"x0.33")*
- Roller lateral spacing see table belt data
- Rollers row spacing 50.8 mm *(2")*
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for flushing and draining
- Open hinge
- Food approved materials available
- Rod diameter 7 mm *(0.27")*







Belt data

Belt material		POM		PP			
Rod material		PA				PP	
Roller material		POM					
Roller lateral spacing per row	mm / *inch*	112.0 / *4.40*	150.0 / *6.00*	112.0 / *4.40*	150.0 / *6.00*	112.0 / *4.40*	150.0 / *6.00*
Roller offset next row	mm / *inch*	56.0 / *2.20*	75.0 / *3.00*	56.0 / *2.20*	75.0 / *3.00*	56.0 / *2.20*	75.0 / *3.00*
Roller dimension diameter / width	mm *inch*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.7*	Ø 23 / 18 *Ø 0.91 / 0.71*	Ø 23 / 18 *Ø 0.91 / 0.7*	Ø 23/ 18 *Ø 0.91 / 0.71*
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	22000 *1507*	17000 *1165*	19000 *1300*	17000 *1165*	19000 *1300*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	10.2 *2.0*	10.2 *2.0*	6.8 *1.39*	6.8 *1.39*	6.8 *1.39*	6.8 *1.39*

Standard range of belt widths b_0 and free edge

Belt width (mm) (nom.)	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
Belt width (inch) (nom.)	9	12	15	18	21	24	27	30	33	36	39	42	etc.
Roller lateral spacing per row 112.5 mm / offset next row 56.25 mm													
Free edge (mm)	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	etc.
Free edge (inch)	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	*0.7/0.7*	*0.7/1.5*	*0.7/2.2*	etc.
Sprocket offset (mm)	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	etc.
Sprocket offset (inch)	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	*0*	*0.74*	*-0.74*	etc.
Sprockets	3	4	6	7	8	10	11	12	14	15	16	18	etc.
Rollers (2 rows)	4	5	6	8	9	10	12	13	14	16	17	18	etc.
Roller lateral spacing per row 150 mm / offset next row 75 mm													
Free edge (mm)	28	28	28	28	28	28	28	28	28	28	28	28	etc.
Free edge (inch)	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	*1.1*	etc.
Sprocket offset (mm)	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	etc.
Sprocket offset (inch)	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	*1.5*	*0*	etc.
Sprockets	2	3	4	5	6	7	8	9	10	11	12	13	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	etc.

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts. For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 75 mm (3"). Smallest possible width 225 mm (9").

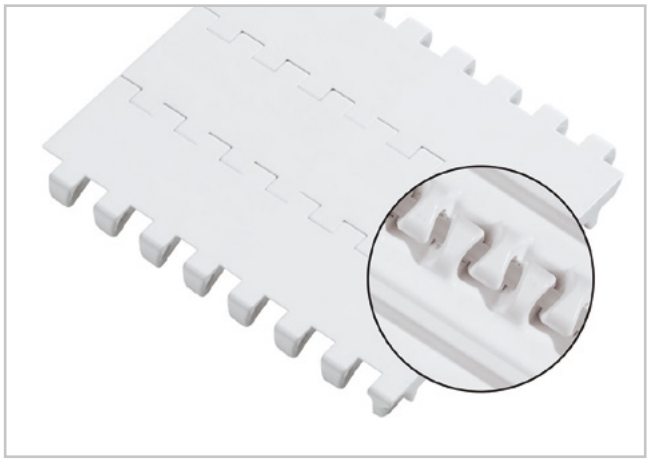
HabasitLINK®
M5060 Flat Top 2"

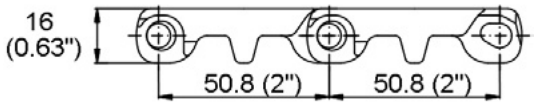
Description

- 0% open area
- Solid plate
- Imperial belt width
- Dynamic open hinge, easy to clean
- Strong link design (1" link-pitch)
- Rod diameter 7 mm *(0.27")*
- Smart Fit rod retention
- Food approved materials available

Available accessories

- Flights
- Top round bar flight
- Side guards
- Hold-down devices
- Saniclip





Belt data

Belt material		PE		WHI*		POM+JM	
Rod material		**PA**	**PE**	**POM**	**WHI***	**PA**	**PE**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	10000 *685*	8000 *548*	30000 *2055*	30000 *2055*	30000 *2055*	14000 *959*
Temperature range	°C *°F*	-46 - 65 *-50 - 150*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	-50 - 110 *-58 - 230*	-40 - 93 *-40 - 200*	-40 - 65 *-40 - 150*
Belt weight m_B	kg/m² *lb/sqft*	9.1 *1.86*	9.1 *1.86*	12.1 *2.48*	12.1 *2.48*	13.1 *2.68*	13.1 *2.68*

*Polyketone material

Belt material		PP	
Rod material		**PA**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	22000 *1507*	18000 *1233*
Temperature range	°C *°F*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.8 *1.80*	8.8 *1.80*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

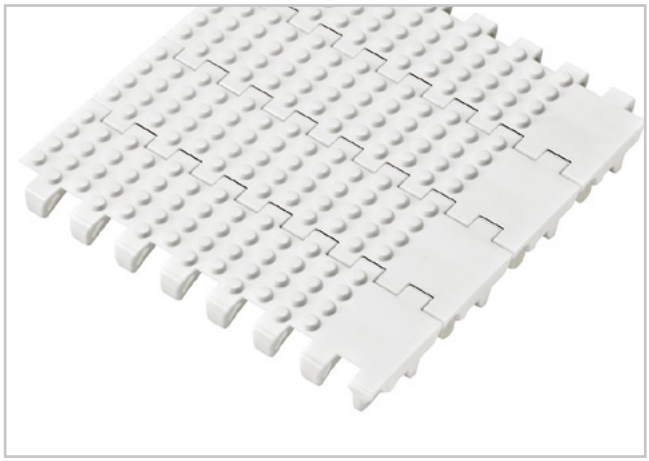
mm (nom.)	101	152	203	254	304	356	406	457	508	559	609	660	711	etc.
inch (nom.)	*4.0*	*6.0*	*8.0*	*10.0*	*12.0*	*14.0*	*16.0*	*18.0*	*20.0*	*22.0*	*24.0*	*26.0*	*28.0*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.2% to 0.2% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.7% to -0.1% for wider belts.
Standard belt widths in increments 4.0" (101 mm). Non-standard widths are offered in increments of 1.0" (25.4 mm) Smallest possible width 4.0" (101 mm).

HabasitLINK®
M5064 Nub Top 2"

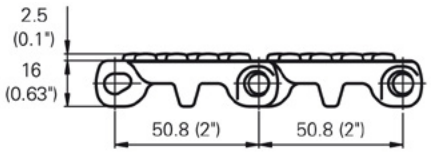
Description

- 0% open area
- Solid plate
- Imperial belt width
- Dynamic open hinge, easy to clean
- Strong link design (1" link-pitch)
- Rod diameter 7 mm *(0.27")*
- Indent 39.5 mm *(1.56")*
- Smart Fit rod retention
- Reinforced edge link
- Food approved materials available



Available accessories

- Flight straight with ribs (without nubs)
- Top round bar flight
- Hold-down devices
- Saniclip



Belt data

Belt material		PE
Rod material		**PE**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	8000 *548*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*
Belt weight m_B	kg/m² *lb/sqft*	9.1 *1.86*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	304	406	508	609	711	813	914	1016	1117	1219	1321	etc.
inch (nom.)	*12.0*	*16.0*	*20.0*	*24.0*	*28.0*	*32.0*	*36.0*	*40.0*	*44.0*	*48.0*	*52.0*	*etc.*

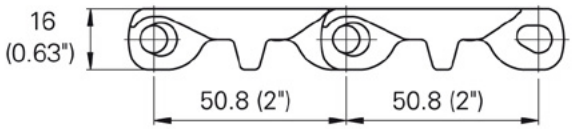
Actual belt widths are in most cases 0.1% to 0.3% wider.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments *4.0*" (101 mm). Non-standard widths are offered in increments of *1.0*" (25.4 mm) Smallest possible width *4.0*" (101 mm), but widths smaller than *12*" (304 mm) is without indent.

HabasitLINK®
M5065 Flat Top 2" HyCLEAN

Description

- 0% open area
- Solid plate
- Imperial belt width
- Extra wide dynamic open hinge (6" link pitch)
- 85% rod exposure, superior cleanability
- Seamless up to 24" belt width
- Rod diameter 7 mm *(0.27")*
- Smart Fit rod retention
- Food approved materials available





Belt data

Belt material		POM+JM			
Rod material		**PA**	**PBT**	**PP**	**POM**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	5300 *363*	4800 *329*	3900 *267*	6200 *428*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	12.2 *2.50*	12.2 *2.50*	12.2 *2.50*	12.2 *2.50*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Standard range of belt widths b_0

mm (nom.)	152	229	305	381	457	533	610	686	762	838	914	991	1067	etc.
inch (nom.)	*6*	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% wider.
For PE material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of *3*" (76.2 mm). Non-standard widths are offered in increments of *1.5*" (38.1mm). Smallest possible width *6.0*" (152.4 mm).

HabasitLINK®
M5067 Minirib 2"

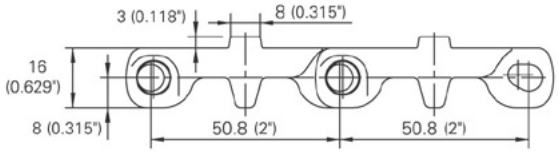
Description

- 0% open area
- Solid plate
- Imperial belt width
- Minirib 3 mm *(0.12")* height
- Dynamic open hinge, easy to clean
- Strong link design (1" link-pitch)
- Rod diameter 7 mm *(0.27")*
- Smart Fit rod retention
- Food approved materials available

Available accessories

- Flights
- Top round bar flight
- Hold-down devices
- Saniclip





Belt data

Belt material		POM
Rod material		**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	30000 *2055*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.4 *2.75*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Standard range of belt widths b_0

mm (nom.)	101	203	304	406	508	609	711	813	914	1016	1117	1219	1321	etc.
inch (nom.)	*4.0*	*8.0*	*12.0*	*16.0*	*20.0*	*24.0*	*28.0*	*32.0*	*36.0*	*40.0*	*44.0*	*48.0*	*52.0*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments *4.0"* (101 mm). Non-standard widths are offered in increments of *1.0"* (25.4 mm) Smallest possible width *4.0"* (101 mm).

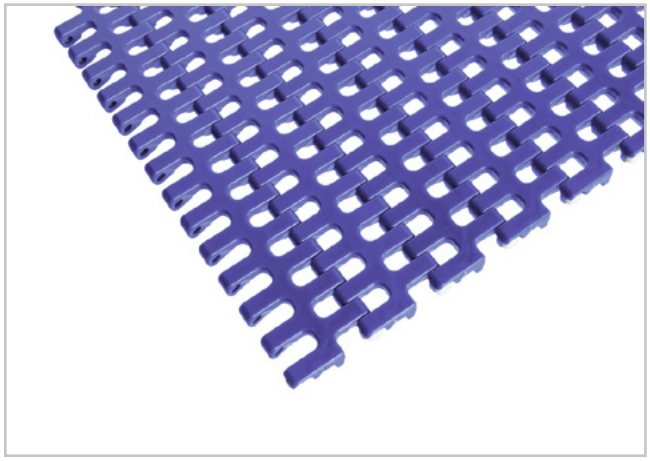
HabasitLINK®
M5085 Flush Grid 2"

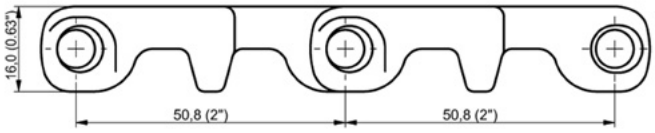
Description

- 27% open area; 52% open contact area; largest opening 14.9x12.9 mm *(0.59"x0.51")*
- Imperial belt width
- Dynamic open hinge, easy to clean
- Strong link design (1" link-pitch)
- Rod diameter 7 mm *(0.27")*
- Smart Fit rod retention
- Food approved materials available

Available accessories

- Flights
- Side guards
- Hold-down devices
- Saniclip





Belt data

Belt material		PE
Rod material		**PE**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	7000 *480*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.65*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*	250.0	*10*

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

Standard range of belt widths b_0

mm (nom.)	101	152	203	254	304	356	406	457	508	559	609	660	711	etc.
inch (nom.)	*4.0*	*6.0*	*8.0*	*10.0*	*12.0*	*14.0*	*16.0*	*18.0*	*20.0*	*22.0*	*24.0*	*26.0*	*28.0*	*etc.*

For PE material up to 750 mm *(30")* 0 mm to 1 mm and 0% to 0.1% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.3% to 0% for wider belts.
Standard belt widths in increments *4.0″* (101 mm). Non-standard widths are offered in increments of *1.0″* (25.4 mm) Smallest possible width *4.0″* (101 mm).
Protection type: IP 1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series M5000

M	50	S	10	40	Q	6
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	6	102.1	*4.0*	46.3	*1.82*	40	*1.57*	40	*1.5*	POM
S	8	133.4	*5.3*	62.6	*2.46*	40	*1.57*	40	*1.5*	POM
S	10	165.2	*6.5*	78.6	*3.09*	40	*1.57*	40 / 60	*1.5 / 2.5*	POM
S	12	197.2	*7.8*	95.3	*3.75*	40	*1.57*	40 / 60	*1.5*	POM
S	16	261.5	*10.3*	128.8	*5.07*	40	*1.57*	40	*1.5*	POM

S: molded sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.

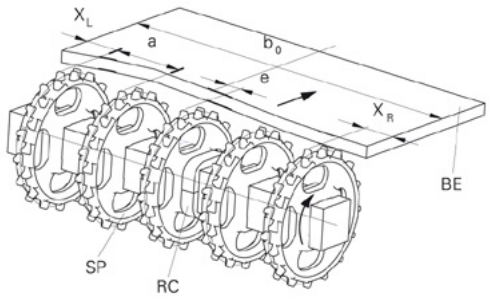


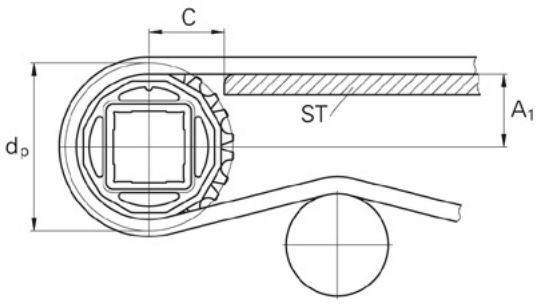
Sprocket one-piece



Split sprocket

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 53 mm *(2.1")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	 mm *inch*		 mm *inch*	 Offset to which side
M5010 M5011 M5013 M5014	56.25 *2.2*	150 *6*	37.5 *1.48*	37.5 *1.48*	b_0 / 18.75 *b_0 / 0.74*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	9.4 *0.37*	right or left side
M5015 M502x M503x	56.25 *2.2*	150 *6*	37.5 *1.48*	37.5 *1.48*	b_0 / 18.75 *b_0 / 0.74*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	9.4 *0.37*	right or left side
M5060 M5067 M5085	50.8 *2*	152.4 *6*	25.4 *1*	25.4 *1*	b_0 / 25.4 *b_0 / 1*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	12.7 *0.5*	right or left side
M5064	50.8 *2*	152.4 *6*	50.8 *2*	50.8 *2*	b_0 / 25.4 *b_0 / 1*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	12.7 *0.5*	right or left side

Numbers of sprockets and wearstrips for M501x, M502x, M503x

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2	2	2
225	*9*	2	2	2
300	*12*	2	3	2
375	*15*	3	3	3
450	*18*	3	3	3
525	*21*	3	4	3
600	*24*	3	4	3
675	*27*	5	5	3
750	*30*	5	5	4
825	*33*	5	6	4
900	*36*	5	6	4
975	*39*	7	7	5
1'050	*42*	7	7	5
1'125	*45*	7	7	5
1'200	*48*	7	8	5
1'500	*59*	9	8	6
1'800	*70*	11	9	6
2'100	*83*	13	10	7
2'400	*95*	15	11	8
2'700	*106*	17	12	9
3'000	*118*	19	13	10

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M5060, M5064, M5085

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
102	*4*	2	2	2
203	*8*	2	2	2
305	*12*	2	3	2
406	*16*	3	3	3
508	*20*	3	3	3
610	*24*	3	4	3
711	*28*	5	4	3
813	*32*	5	5	3
914	*36*	5	5	4
1’016	*40*	7	6	4
1’118	*44*	7	6	4
1’219	*48*	7	7	5
1’422	*56*	9	7	5
1’626	*64*	11	7	5
1’829	*72*	11	8	5
2’032	*80*	13	8	6
2’235	*88*	15	9	6
2’438	*96*	15	10	7
2’642	*104*	17	11	8
2’845	*112*	19	12	9
3’048	*120*	19	13	10

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Sprocket series M5000 HyCLEAN

01	02	03	04	05	06	07	08
M	50	S	10	40	Q	6	M2

Code addition design version (function) / New Generation

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

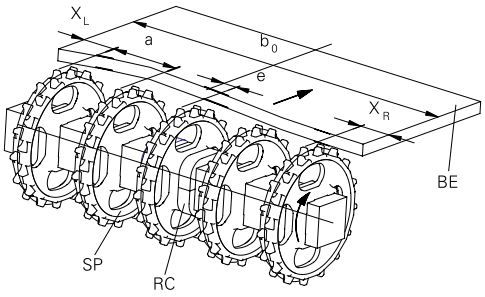
08 M2 = Molded (HyCLEAN)

Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-M2	8	133.4	*5.3*	62.2	*2.46*	40	*1.57*	40	-	POM
S-M2	10	165.2	*6.5*	78.6	*3.09*	40	*1.57*	40	*1.5*	POM

S-M2: molded sprocket

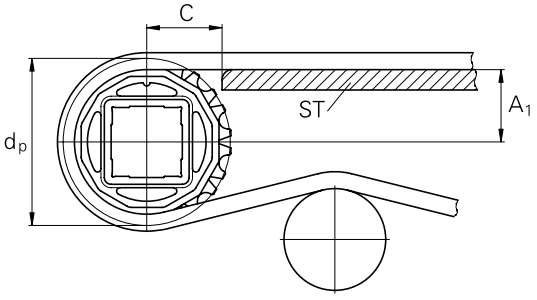
Sprocket arrangement



BE Belt
SP Sprocket
RC Retainer
b_0 belt width



HyCLEAN sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 53 mm *(2.1")*.

Wearstrips
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M5010 M5011 M5013 M5014	56.25 *2.2*	150 *6*	37.5 *1.48*	37.5 *1.48*	$b_0/18.75$ *$b_0/0.74$*	even number (2, 4, 6 ...)	0 *0*	no offset *
						odd number (3, 5, 7 ...)	9.4 *0.37*	right or left
M5060 M5067	50.8 *2*	152.4 *6*	25.4 *1*	25.4 *1*	$b_0/25.4$ *$b_0/1$*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	12.7 *0.5*	right or left
M5064	50.8 *2*	152.4 *6*	50.8 *2*	50.8 *2*	$b_0/25.4$ *$b_0/1$*	even number (2, 4, 6 ...)	0 *0*	no offset
						odd number (3, 5, 7 ...)	12.7 *0.5*	right or left
M5065 * (in direction A)	50.8 *2*	228.6 *9*	114.3 *4.5*	38.1 *1.5*	$b_0/76.2$ *$b_0/3$*	even number (2, 6, 10 ...)	38.1 *1.5*	right
						even number (4, 8, 12 ...)	38.1 *1.5*	left
						odd number (3, 7, 11 ...)	0 *0*	no offset
						odd number (5, 9, 13 ...)	76.2 *3*	right or left
M5065 * (in direction B)	152.4 *6*	228.6 *9*	38.1 *1.5*	114.3 *4.5*	$b_0/76.2$ *$b_0/3$*	even number (2, 6, 10 ...)	38.1 *1.5*	left
						even number (4, 8, 12 ...)	38.1 *1.5*	right
						odd number (3, 7, 11 ...)	76.2 *3*	right or left
						odd number (5, 9, 13 ...)	0 *0*	no offset

X_L and X_R are related to the running direction A and inverse for running direction B.



Numbers of sprockets and wearstrips for M5010, M5011, M5013, M5014

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2	2	2
225	*9*	2	2	2
300	*12*	2	3	2
375	*15*	3	3	3
450	*18*	3	3	3
525	*21*	3	4	3
600	*24*	3	4	3
675	*27*	5	5	3
750	*30*	5	5	4
825	*33*	5	6	4
900	*36*	5	6	4
975	*39*	7	7	5
1'050	*42*	7	7	5
1'125	*45*	7	7	5
1'200	*48*	7	8	5
1'500	*59*	9	8	6
1'800	*70*	11	9	6
2'100	*83*	13	10	7
2'400	*95*	15	11	8
2'700	*106*	17	12	9
3'000	*118*	19	13	10

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M5060, M5064, M5067, M5085

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
102	*4*	2	2	2
203	*8*	2	2	2
305	*12*	2	3	2
406	*16*	3	3	3
508	*20*	3	3	3
610	*24*	3	4	3
711	*28*	5	4	3
813	*32*	5	5	3
914	*36*	5	5	4
1'016	*40*	7	6	4
1'118	*44*	7	6	4
1'219	*48*	7	7	5
1'422	*56*	9	7	5
1'626	*64*	11	7	5
1'829	*72*	11	8	5
2'032	*80*	13	8	6
2'235	*88*	15	9	6
2'438	*96*	15	10	7
2'642	*104*	17	11	8
2'845	*112*	19	12	9
3'048	*120*	19	13	10

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

Numbers of sprockets and wearstrips for M5065

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
152	*6*	1*	2	2
229	9	2	2	2
305	*12*	2	3	2
381	*15*	2	3	3
457	*18*	2	3	3
533	*21*	2	3	3
610	*24*	3	4	3
686	*27*	3	4	3
762	*30*	3	4	4
838	*33*	3	4	4
914	*36*	3	4	4
991	*39*	3	4	4
1067	*42*	5	4	4
1143	*45*	5	4	4
1219	*48*	5	5	4
1295	*51*	5	5	4
1372	*54*	5	5	4
1448	*57*	5	5	5
1524	*60*	5	5	5

* Second sprocket on open hinge is possible (no tracking).
General remark: HyCLEAN sprockets are not compatible to M5015, M5020, M5032 and M5033 series.

HabasitLINK®
Accessories for series M5000

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that when installed, become an integral part of the belt. Flight modules are available with ribs on one side (no-cling) for improved release of wet or sticky food products and can also be cut to nonstandard heights. Note: All flights have open hinge design (USDA).

Code
25 mm = 02
50/53 mm = 05
75/78 mm = 07
100/103 mm = 10
145/150 mm = 15
[1] ribs on one side
[2] ribs on both sides
[3] without ribs

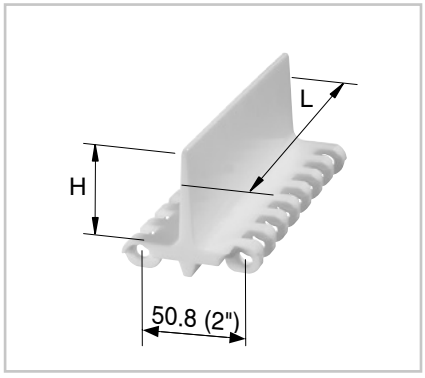
Flights M5000 (except M5060) with link increment 18.75 mm *(0.74")*; **metric belt widths**

	Flights straight		Flights straight		Flights corrugated		Flights bent (Scoop)		Bucket flights		Side guards	
Code flight side guard	M5010Fxx[1]		M5014Fxx[2] M5015Fxx[3]		M5033Fxx[3]		M5010Bxx[3]		M5010Yxx[3]		M5010Gxx	M501RGxx
	(xx= height)		(xx= height)		(xx= height)		(xx= height)		(xx= height)		(xx= height)	
height H lenght L	H	L	H	L	H	L	H	L	H	L	H	
mm *inch*	25 *1*	150 *6*	– –	– –	– –	– –	– –	– –	– –	– –	– –	– –
mm *inch*	50 *2*	150 *6*	– –	– –	– –	– –	– –	– –	– –	– –	53 *2*	– –
mm *inch*	75 *3*	150 *6*	– –	– –	– –	– –	75 *3*	150 *6*	– –	– –	78 *3*	– –
mm *inch*	100 *4*	150 *6*	100 *4*	150 *6*	100 *4*	150 *6*	100 *4*	150 *6*	100 *4*	150 *6*	103 *4*	– –
mm *inch*	150 *6*	150 *6*	– –	– –	– –	– –	150 *6*	150 *6*	– –	– –	– –	145 6
mm *inch*	100 *4*	225 *9*	– –	– –	– –	– –	– –	– –	– –	– –	– –	– –

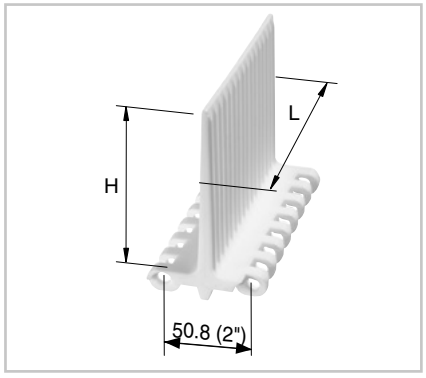
Flights M5060, M5064, M5067, M5085 with link increment 25.4 mm *(1")*; **imperial belt widths**

	Flights straight		Flights straight with indent			Flights straight with indents on both sides			Flights bent (Scoop)	
Code flight side guard	M5060Fxx[1]		M506RFxx/LFxx[1]			M506JFxx[3]			M5060Bxx[3]	
	(xx= height)		(xx=height, L=left side, R= right side)			(xx=height)			(xx= height)	
height H length L indent E	H	L	H	L	E	H	L	E	H	L
mm *inch*	50.8 *2*	152 *6*	50.8 *2*	152 *6*	31.7 *1.25*	152 *6*	609 *24*	33 *1.3*	– –	– –
mm *inch*	101.6 *4*	152 *6*	101.6 *4*	152 *6*	31.7 *1.25*	– –	– –	– –	101.6 *4*	150 *6*
mm *inch*	152 *6*	152 *6*	– –	– –	– –	– –	– –	– –	– –	– –

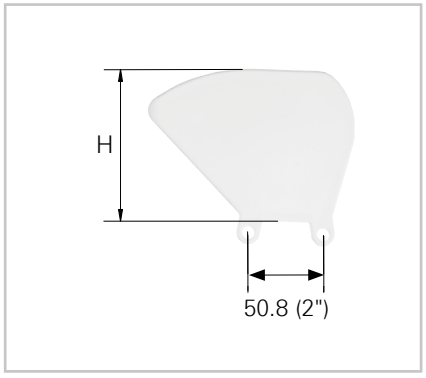
All flight and scoops can be cut to lower height (min 25 mm) for high-impact applications.



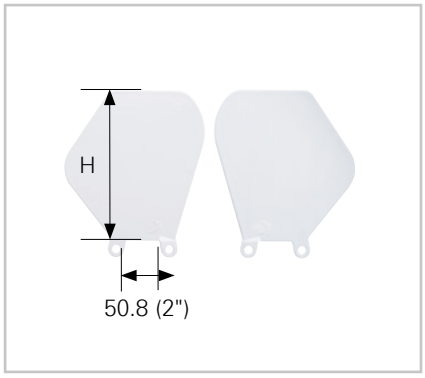
M5010Fxx smooth side



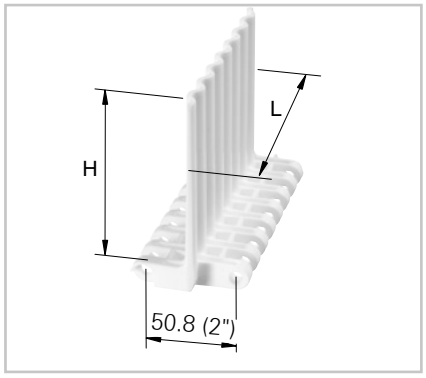
M5010Fxx “no-cling” side



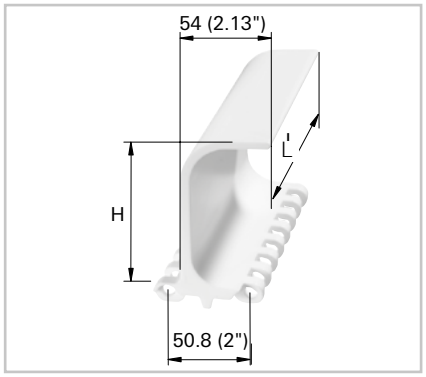
M5010Gxx



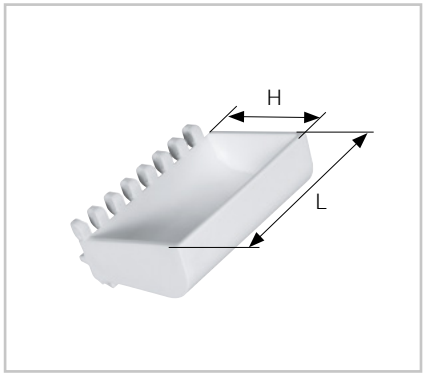
M501RGxx / LG



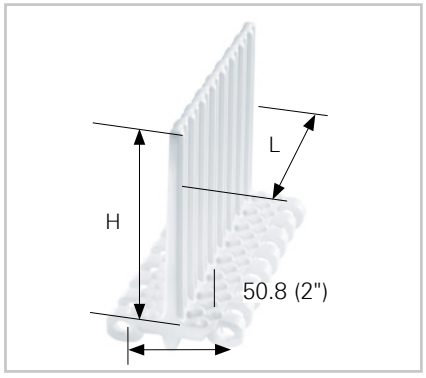
M5033F10



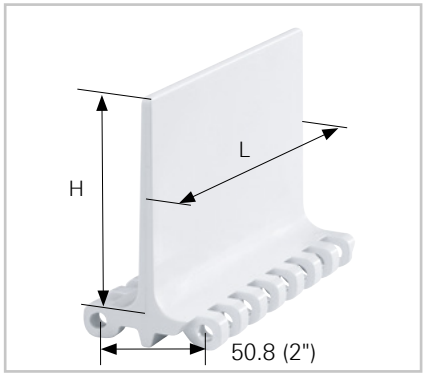
M5010Bxx



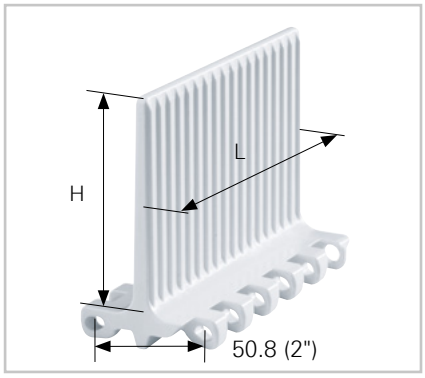
M5010Y10



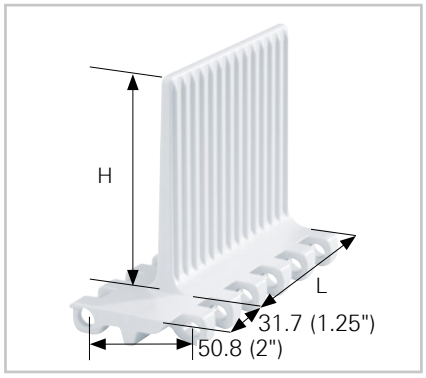
M5014F10



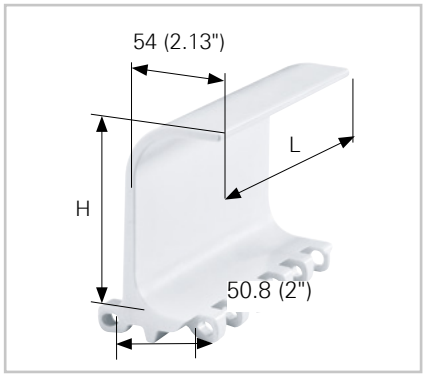
M5015F10



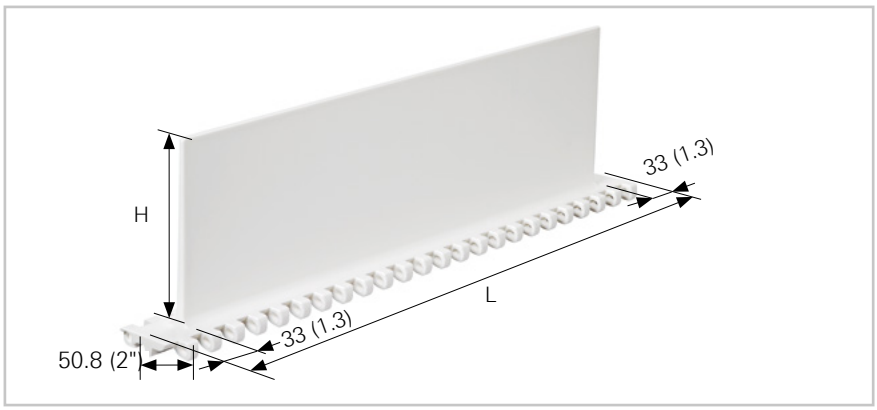
M5060Fxx



M506RFxx indent flight



M5060B10



M506JF15

Compatibility of *2*" flights and belt types
In general all *2*" flights may be used in combination with all *2*" belts. For some combinations the nominal tensile strengths of the belt will be reduced to the strength of the flight.

Please see the table below.

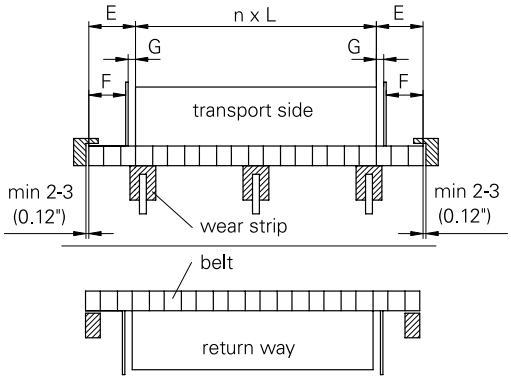
Flights and side guards M5000 Series (except M506x)

	Flight	M5010Fxx, M5010Bxx M5010Yxx, M5014F10			M5033Fxx			M5015Fxx			
	Belt material	PP	POM		PP	POM		PP		POM	
	Rod material	PP/ POM	PP	PA	PP/ POM	PP/ POM	PA	PP	POM	PP	PA
Nominal tensile strength N/m *lb/ft*	M5010 M5011 M5013 M5014	18'000 *1'233*	22'000 *1'507*	30'000 *2'055*	18'000 *1'233*	22'000 *1'507*	30'000 *2'055*	18'000 *1'233*	18'000 *1'233*	22'000 *1'507*	30'000 *2'055*
	M5015							29'000 *1'986*	31'000 *2'123*	31'000 *2'123*	53'000 *3'630*
	M5020 M5023 M5032	18'000 *1'233*	22'000 *1'507*	30'000 *2'055*	26'000 *1'781*	30'000 *2'055*	35'000 *2'397*	29'000 *1'986*	31'000 *2'123*	31'000 *2'123*	53'000 *3'630*
	M5033	18'000 *1'233*						26'000 *1'781*	26'000 *1'781*	30'000 *2'055*	35'000 *2'397*
	M5131 M50xx Roller Top	not applicable									

For M506x belt types only M5060Fxx flight can be used. A combination with other flight series is not possible.

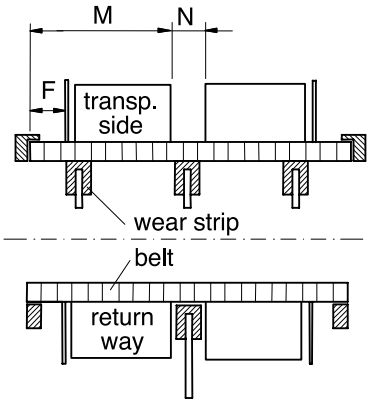
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight, and F is the distance between belt edge and side guard. It is required for adequate support of the belt on its return way and hold-down during back-bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 18.75 mm *(0.74")*. or 25.4 mm *(1")* for M5060 series. For metric M5000 series the minimum notch width is 37.5 mm (1.48") and for M506x 50.8 mm *(2")*.

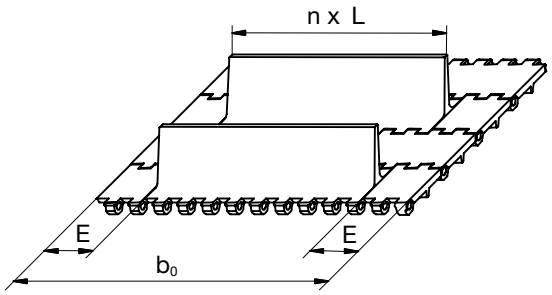


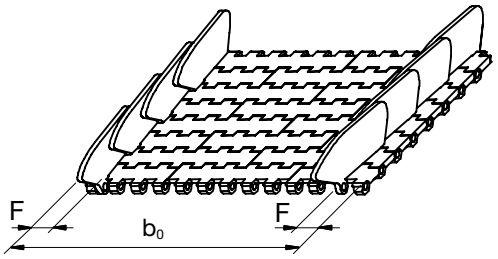
Installation of flights and side guards; indents

The side guards are usually installed with a gap (G) between the side guards and the flights. It is also possible to install the side guards with a minimum gap between flight and side guards of approx. 2 mm *(0.08")*. There is a certain risk for rubbing and abrasion between the flights and the side guards. The distance E_1 between the side guards and the hold-down and support shoes/wear strips should not be smaller than 5 mm *(0.2")*.

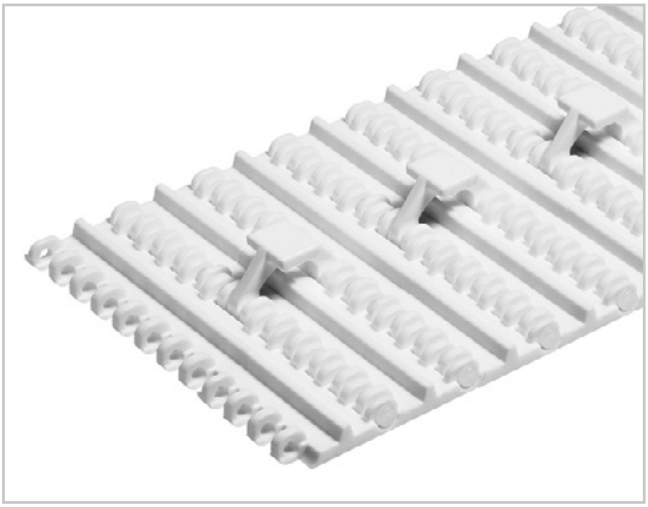
	Possible flight indents E									
	Flight only		Flight + side guard with gap (G ~ 8 mm *(0.31")*)				Flight + side guard without gap (G ~2 mm *(0.08")*)			
	E		E		F		E		F	
M5000 except M5060	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Flight over full belt width	0	0	–	–	–	–	–	–	–	–
Module cutting necessary	37.5	1.47	37.5	1.47	18	0.47	37.5	1.47	28	1.1
Module cutting necessary	56	2.2	56	2.2	37	1.47	56	2.2	46	1.83
Standard, no module cutting	75	3	75	3	56	2.2	75	3	66	2.6
Module cutting necessary	112	4.4	112	4.4	93	3.7	112	4.4	103	4.1
Module cutting necessary	131	5.2	131	5.2	112	4.4	131	5.2	122	4.8

M5060	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
Flight over full belt width	0	0	–	–	–	–	–	–	–	–
Module cutting necessary	50.8	2	50.8	2	34.2	1.35	–	–	–	–
Module cutting necessary	76.2	3	76.2	3	59.6	2.35	–	–	–	–
Standard, no module cutting	101.6	4	101.6	4	85	3.35	–	–	–	–
Module cutting necessary	127	5	127	5	110.4	4.35	–	–	–	–
Module cutting necessary	152.4	6	152.4	6	135.8	5.35	–	–	–	–
Flight with molded indent	33	1.3	–	–	–	–	–	–	–	–



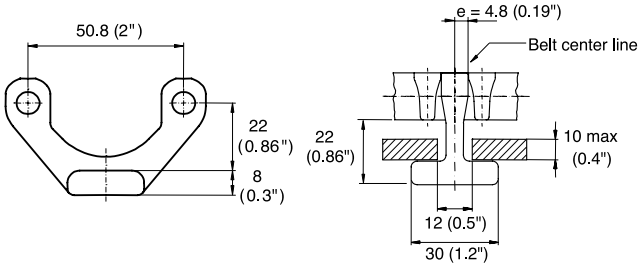


For elevators with back-bending (Z-conveyors) **hold-down devices** are used to keep the belt down when it is changing from horizontal to inclined direction. For wide belts (e.g. > 800 mm *(31.5")* wide) slider shoes on the belt edge are often not sufficient to keep it on the track. In such cases hold-down devices on the bottom side of the belt are used to guide it through the back-bending curve.



Compatibility: The hold-down device can be put into any M5000 modular belt. The modules are inserted into the prepared position, one module every second row. As long as link steps are respected, any position over the belt width is possible.

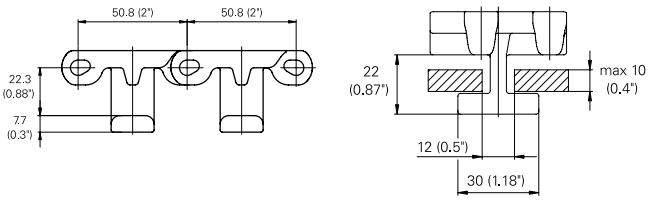
M5000V01
For a center positioning consider an offset "e" of 4.8 mm. Allow the necessary distance for the sprocket engagement!

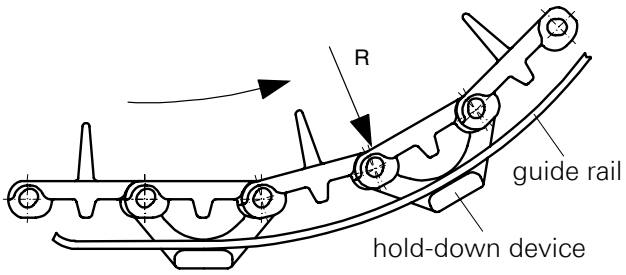


Back-bending radius R: min 250 mm *(10")*
Sprockets: minimum size M50S0840Q (8 teeth) and M50S1060Q (10 teeth)
Standard materials: POM white, other materials possible on request
Compatible belts series: M5010, M5020, M5033

M5060V05
The tab module M5060V05 is designed as 2" mid module to be brick-layed as a regular module. The length of two link indents give stability to the tab. This module cannot be used as edge module.

Back-bending radius R: min 250 mm *(10")*
Sprockets: minimum size 8 teeth (M50S08)
Standard materials: POM white, other materials possible on request
Compatible belts series: only M506x





It is very important that the guide rail is very smooth, without joining. It is also important that enough clearance is provided to allow the belt to expand or shrink.

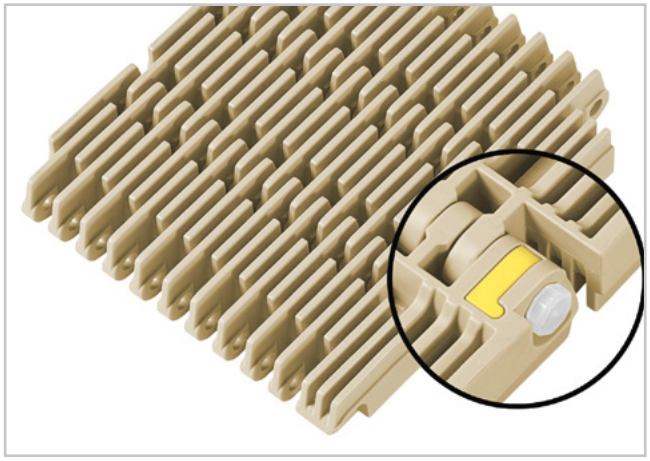
HabasitLINK®
M5131 Raised Rib 2"

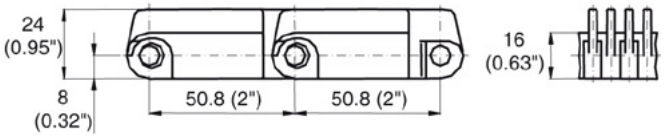
Description

- Imperial belt width
- 36% open area; 67% open contact area, largest opening 17.5x3.55 mm (*0.69"x0.14"*)
- Easy to clean
- Straight ribs 2.8 mm thick
- Rod diameter 7 mm (*0.27"*)
- Smart fit rod retention
- Strong edges
- Food approved materials available

Available accessories

- Combs (finger transfer plates) long and short





Belt data

Belt material		PP+HW	PP
Rod material		**PP+HW**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	32000 *2192*	32000 *2192*
Temperature range	°C *°F*	5 - 105 *40 - 220*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	9.9 *2.03*	9.9 *2.03*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*

Standard range of belt widths b_0

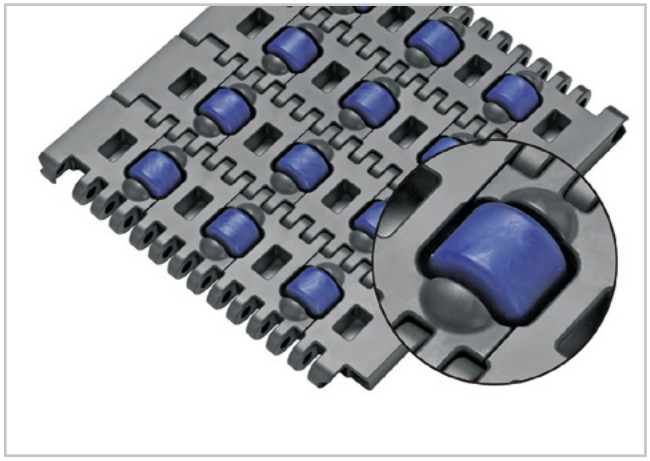
mm (nom.)	229	305	381	457	533	610	686	762	838	914	991	1067	1143	etc.
inch (nom.)	*9*	*12*	*15*	*18*	*21*	*24*	*27*	*30*	*33*	*36*	*39*	*42*	*45*	*etc.*

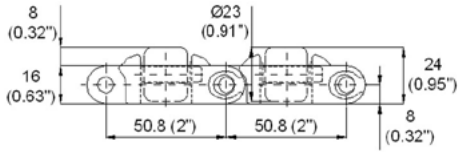
For PP+HW and PP+GH material up to 750 mm *(30")* -2 mm to 1 mm and -0.25% to 0.25% for wider belts. **Standard belt widths** in increments of 76.2 mm *(3")*. Non-standard widths are offered in increments of 38.1 mm *(1.5")*.

HabasitLINK®
M5182 Roller Top – 90° 2"

Description

- Designed for easy 90° transfer
- Imperial belt width
- Large robust roller with diameter 23 mm *(0.9")*
- Roller distance 50 mm *(2")*
- Smart-Fit rod retention
- Rod diameter 7 mm *(0.27")*
- Closed hinge
- Indent 50 mm *(2")*





Belt data

Belt material		**PP**	
Rod material		**PA**	**POM**
Roller material		**PA**	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	20000 *1370*
Temperature range	°C *°F*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	13.5 *2.76*	13.5 *2.76*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*

Standard range of belt widths b_0

mm (nom.)	152	203	254	305	356	406	457	508	559	610	660	711	762	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of *2.0*" (50.8 mm). Cut width: Standard belt width - *0.5*" (- 12.7 mm) and -*1*" (-25.4 mm).

HabasitLINK®
Sprocket series M5100

Code addition design version (function) / New Generation

M	51	S	12	60	Q	6	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1 = Machined (same function as molded version S)

Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	16	261.5	*10.3*	126.2	*4.97*	45	*1.77*	90	*3.5*			POM
S-C1	10	165.2	*6.5*	77.0	*3.03*	20	*0.79*	40 / 60	*1.5 / 2.5*	40 / 50 / 60	*1.5 / 2.5*	POM
S-C1	12	197.2	*7.8*	93.3	*3.67*	30	*1.18*	40 / 60	*1.5 / 2.5*	40 / 60	*1.5 / 2.5*	POM
S-C1	13	213.2	*8.4*	101.5	*4.00*	30	*1.18*	40 / 60 / 90	*1.5 / 2.5*	40 / 60 / 90	*1.5 / 2.5*	POM
S-C1	16	261.5	*10.3*	126.2	*4.97*	30	*1.18*	120 / 60 / 90	*1.5 / 2.5 / 3.5*	60 / 90	*1.5 / 2.5*	POM

S: molded sprockets; S-C1: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.

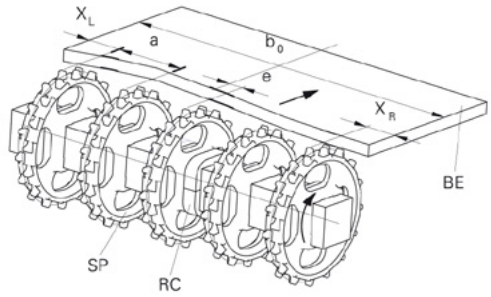


Sprocket one-piece ("open window")

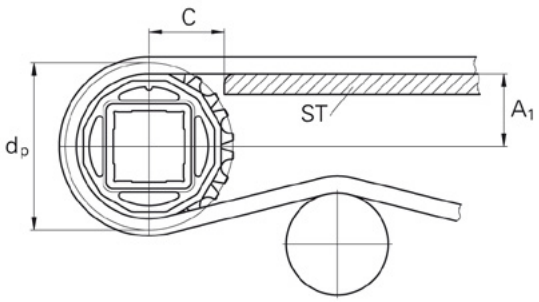


Sprocket one-piece (solid)

Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 53 mm *(2.1")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M5131	58.2 *2.29*	152.4 *6*	28 *1.1*	28 *1.1*	b_0 / 38.1 *b_0 / 1.5*	even number (2, 4, 6 ...)	9.5 *0.38*	right or left side
						odd number (3, 5, 7 ...)	9.5 *0.38*	right or left side
M5182-R9	50.8 *2.0*	101.6 *4.0*	25.4 *1.0*	25.4 *1.0*	b_0 / 50.8 *b_0 / 2.0*	even number (2, 4, 6 ...)	25.4 *1.0*	right or left side
						odd number (3, 5, 7 ...)	0 *0*	

Numbers of sprockets and wearstrips for M5131

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
229	*9*	2	2	2
305	*12*	2	2	2
381	*15*	3	3	3
457	*18*	3	3	3
533	*21*	3	3	3
610	*24*	3	4	3
686	*27*	5	4	3
762	*30*	5	4	4
838	*33*	5	5	4
914	*36*	5	5	4
991	*39*	7	5	4
1'067	*42*	7	6	4
1'143	*45*	7	6	5
1'219	*48*	7	7	5
1'295	*51*	9	7	5
1'372	*54*	9	7	5
1'448	*57*	9	7	5
1'524	*60*	9	8	6
1'600	*63*	11	8	6
1'676	*66*	11	8	6
1'753	*69*	11	8	6
1'829	*72*	11	9	6
1'905	*75*	13	9	7
1'981	*78*	13	9	7
2'057	*81*	13	9	7
2'134	*84*	13	10	7
2'210	*87*	15	10	7
2'286	*90*	15	10	8
2'515	*99*	17	11	8
2'743	*108*	17	12	9
2'972	*117*	19	12	9
3'200	*126*	21	13	10
3'429	*135*	23	14	11
3'658	*144*	23	15	11
3'810	*150*	25	15	12

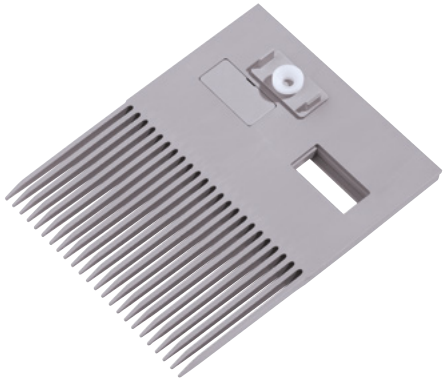
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

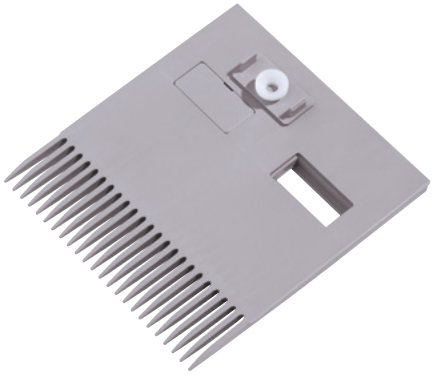
Numbers of sprockets and wearstrips for M5182-R9

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	*inch*	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152	*6*	3	2	3	2
203	*8*	4	2	4	2
254	*10*	5	3	5	3
305	*12*	6	3	6	3
356	*14*	7	4	7	4
406	*16*	8	4	8	4
457	*18*	9	5	9	5
508	*20*	10	5	10	5
559	*22*	11	6	11	6
610	*24*	12	6	12	6
660	*26*	13	7	13	7
711	*28*	14	7	14	7
762	*30*	15	8	15	8
813	*32*	16	8	16	8
864	*34*	17	9	17	9
914	*36*	18	9	18	9
965	*38*	19	10	19	10
1’016	*40*	20	10	20	10
1’067	*42*	21	11	21	11
1’118	*44*	22	11	22	11
1’168	*46*	23	12	23	12
1’219	*48*	24	12	24	12
1’270	*50*	25	13	25	13
1’321	*52*	26	13	26	13
1’372	*54*	27	14	27	14
1’422	*56*	28	14	28	14
1’473	*58*	29	15	29	15
1’524	*60*	30	15	30	15
1’575	*62*	31	16	31	16
1’626	*64*	32	16	32	16
1’676	*66*	33	17	33	17
1’727	*68*	34	17	34	17
1’778	*70*	35	18	35	18
1’829	*72*	36	18	36	18
1’880	*74*	37	19	37	19
1’930	*76*	38	19	38	19
1’981	*78*	39	20	39	20
2’032	*80*	40	20	40	20

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Combs for M5131





Long-tooth comb M5131C15

Installation data

Dimensions	mm	inch
W	151	*5.9*
W_L	190	*7.5*
X_1	76	*3.0*
X_2	50	*2.0*
X_3	100 – 110	*3.9 – 4.3*
X_4	76	*3.0*
X_5	90	*3.5*
K	12	*0.5*
Y	$d_p/2 + 4$	$d_p/2 + 0.16$

Short-tooth comb M5131C16

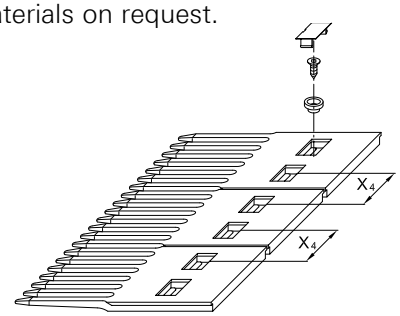
Installation data

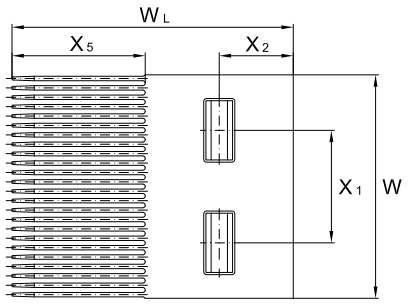
Dimensions	mm	inch
W	151	*5.9*
W_L	165	*6.5*
X_1	76	*3.0*
X_2	50	*2.0*
X_3	100	*3.9*
X_4	76	*3.0*
X_5	40	*1.6*
K	12	*0.5*
Y	$d_p/2 + 4$	$d_p/2 + 0.16$

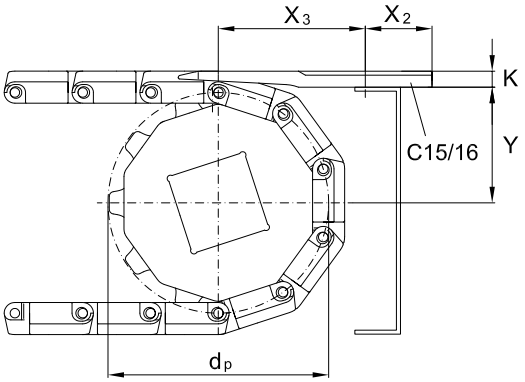
Material data

Material		Acetal dry (wet)
Temperature range	°C °F	-40 – 90 (-40 – 60) *-40 –195 (-40 –140)*
Color		grey

Other materials on request.







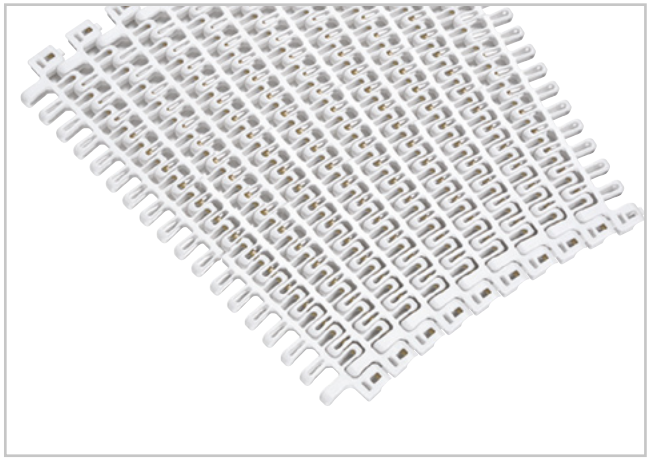
Note

The combs are fixed using a special distance bushing that allows lateral movement. This allows the combs to adapt their position to the lateral displacement of the belt, caused by thermal expansion. For belt widths up to 300 mm (12"), the plates can be firmly fixed
(2 plates max). The fixation of the comb support should be adjustable to allow fine-tuning.

HabasitLINK®
M5290 Radius Flush Grid 2"

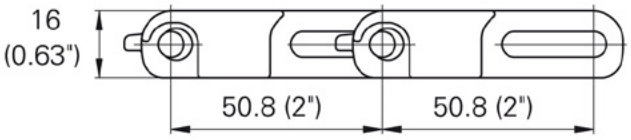
Description

- For radius and straight conveying, ideal for spiral
- applications (collapse factor 2.2)
- 55% open area; 85% open contact area; largest opening 15x17 mm *(0.6"x0.67")*
- Imperial belt width
- Food approved materials available
- Excellent for cooling and draining
- Rod diameter 6 mm *(0.24")*
- Smart Fit rod retention
- Large distance between wearstrips possible; max. 635 mm *(25")*
- Min. width 508 mm *(20")*



Available accessories

- Clip-on side guards
- Lane dividers
- GripTop inserts



Belt data

Belt material		POM	PP
Rod material		PA	POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21000 *1439*	15000 *1028*
Nominal tensile strength F'_N in curve	N *lb*	3200 *720*	2330 *516*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.5 *1.54*	5.2 *1.07*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	150	*6*	150	*6*	150	*6*

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

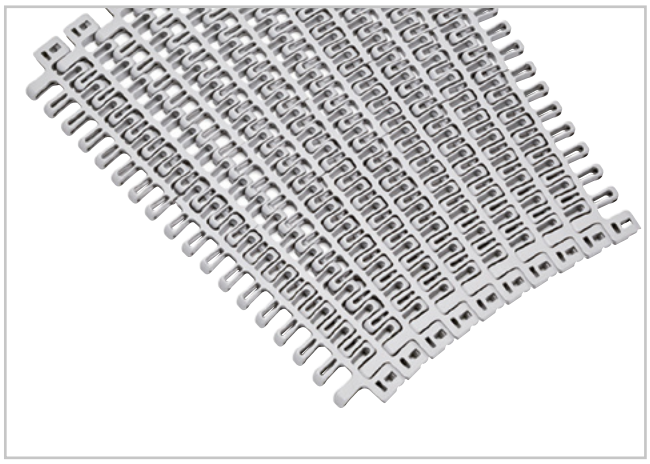
Belt width mm (nom.)	508	559	610	660	711	762	813	864	914	965	1016	1067	1118	1168
Belt width inch (nom.)	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*	*38*	*40*	*42*	*44*	*46*
Collapse factor Q	2.13	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20	2.20	2.20	2.21
Belt width mm (nom.)	1219	1270	1321	1372	1422	1473	1524	1575						
Belt width inch (nom.)	*48*	*50*	*52*	*54*	*56*	*58*	*60*	*62*						
Collapse factor Q	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.22						

Belt widths larger than 1600 mm *(63")* are not recommended.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 1" (25.4 mm).
Protection type: IP 1X (DIN EN 60259 / IEC 529)

HabasitLINK®
M5293 Tight Radius 2"

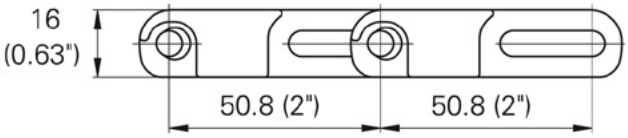
Description

- For radius and straight conveying, ideal for spiral applications (collapse factor 1.6)
- 55% open area; 85% open contact area; largest opening 15x17 mm *(0.6"x0.67")*
- Imperial belt width
- Food approved materials available
- Excellent for cooling and draining
- Rod diameter 6 mm *(0.24")*
- Smart Fit rod retention
- Large distance between wearstrips possible; max. 635 mm *(25")*
- Min. width 508 mm *(20")*



Available accessories

- Clip-on side guards
- Lane dividers
- GripTop inserts



Belt data

Belt material		POM	PP
Rod material		PA	POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21000 *1439*	15000 *1028*
Nominal tensile strength F'_N in curve	N *lb*	3200 *720*	2330 *516*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.5 *1.54*	5.2 *1.07*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	150	*6*	150	*6*	150	*6*

For other collapse factor contact Habasit

Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	508	559	610	660	711	762	813	864	914	965	1016	1067	1118	1168
Belt width inch (nom.)	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*	*36*	*38*	*40*	*42*	*44*	*46*
Collapse factor Q	1.49	1.50	1.51	1.52	1.53	1.53	1.54	1.54	1.55	1.56	1.56	1.57	1.57	1.58
Belt width mm (nom.)	1219	1270	1321	1372	1422	1473	1524	1575						
Belt width inch (nom.)	*48*	*50*	*52*	*54*	*56*	*58*	*60*	*62*						
Collapse factor Q	1.60	1.62	1.63	1.65	1.66	1.67	1.68	1.69						

Belt widths larger than 1600 mm *(63")* are not recommended.
Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of *1"* (25.4 mm).
Protection type: IP 1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series M5200

Code addition design version (function) / New Generation

01	02	03	04	05	06	07	08
M	52	S	10	40	Q	6	C1

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

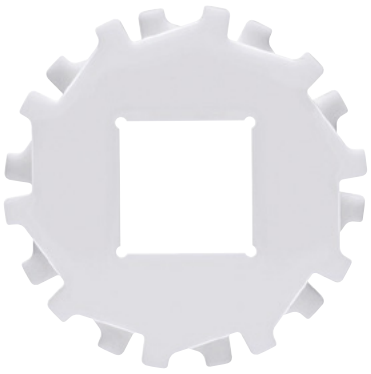
07 Material: 8 = PA; 6 = POM

08 C1 = Machined (same shape and function as molded version 1)

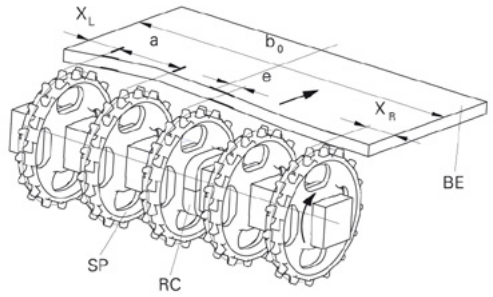
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width BL		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	10	165.1	*6.5*	77.0	*3.03*	23	*0.89*	40 / 60	*1.5 / 2.5*	POM
S-C1	12	197.2	*7.8*	93.3	*3.67*	23	*0.89*	40 / 60	*1.5 / 2.5*	POM

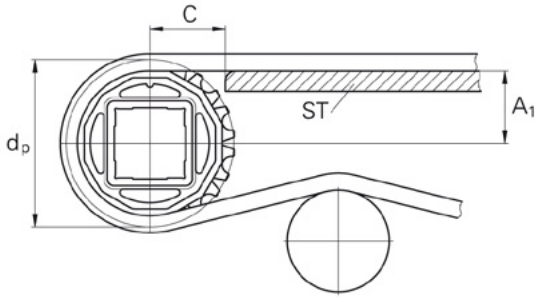
S-C1: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.



Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b_0 belt width



The distance **C** between the sprocket axis and the slider support **ST** is minimal 53 mm *(2.1")*.

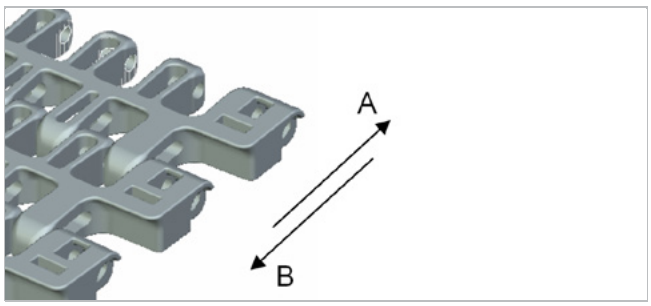
Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M5290 M5293	50.8 *2*	152.4 *6*	53.5 *2.11*	39.4 *1.55*	b_0 / 25.4 *b_0 / 1*	even number (2, 4, 6 ...)	6.35 *0.25*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	6.35 *0.25*	left in running direction A right in running direction B



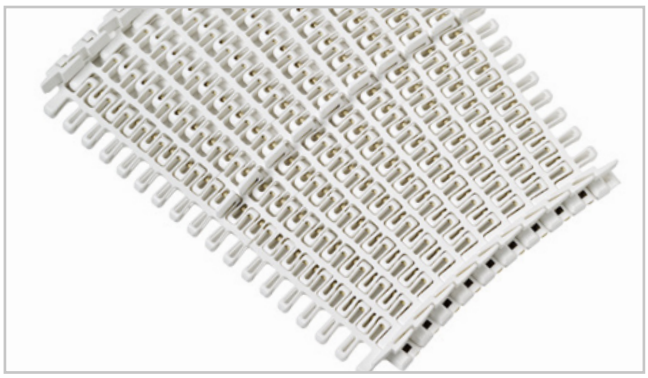
Numbers of sprockets and wearstrips for M5290 and M5293

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
inch	mm	min. number	Carryway (top)	Returnway (bottom)
20	508	3	2	2
22	559	3	2	2
24	610	3	2	2
26	660	3	2	2
28	711	5	2	3
30	762	5	3	2
32	813	5	3	2
34	864	5	3	2
36	914	5	3	2
38	965	5	3	2
40	1016	5	3	2
42	1067	5	3	2
44	1118	7	3	2
46	1168	7	3	2
48	1219	7	3	2
50	1270	7	3	2
52	1321	7	3	2
54	1372	7	3	2
56	1422	7	4	3
58	1473	7	4	3
60	1524	9	4	3
62	1575	9	4	3

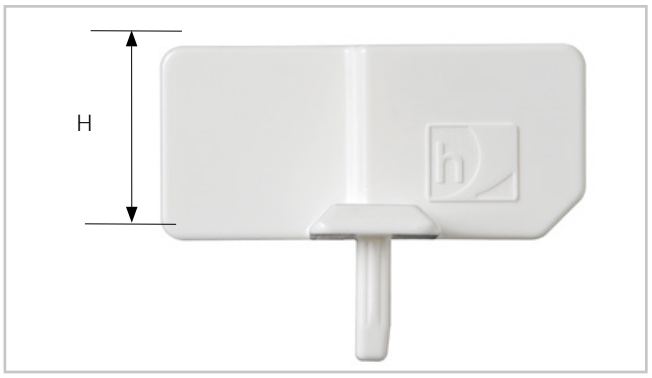
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M5200

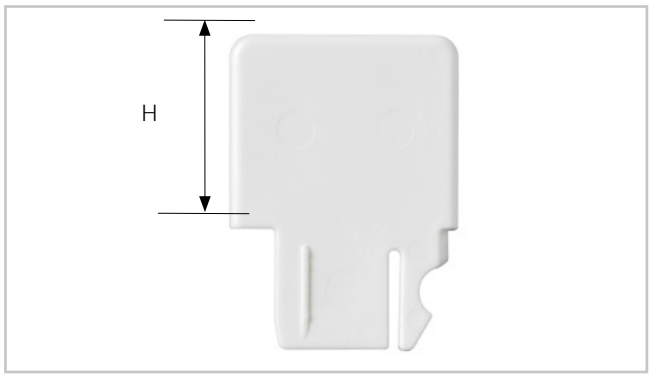
Side guards and lane dividers are used to separate products on one belt. Both modules are clip-on versions.



M5290 with side guards and lane dividers

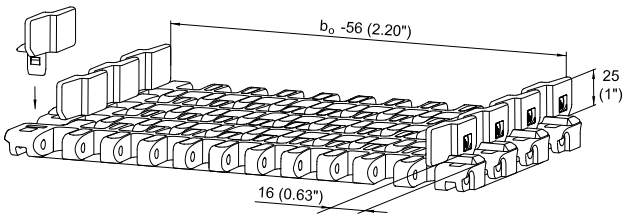


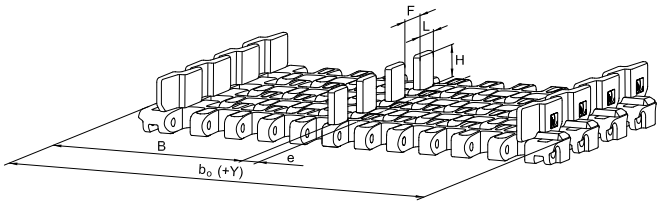
Side guard
M5290G02



Lane divider
M5290W02

Assembly conceptions for M5290/93 radius belts, side guards and lane dividers





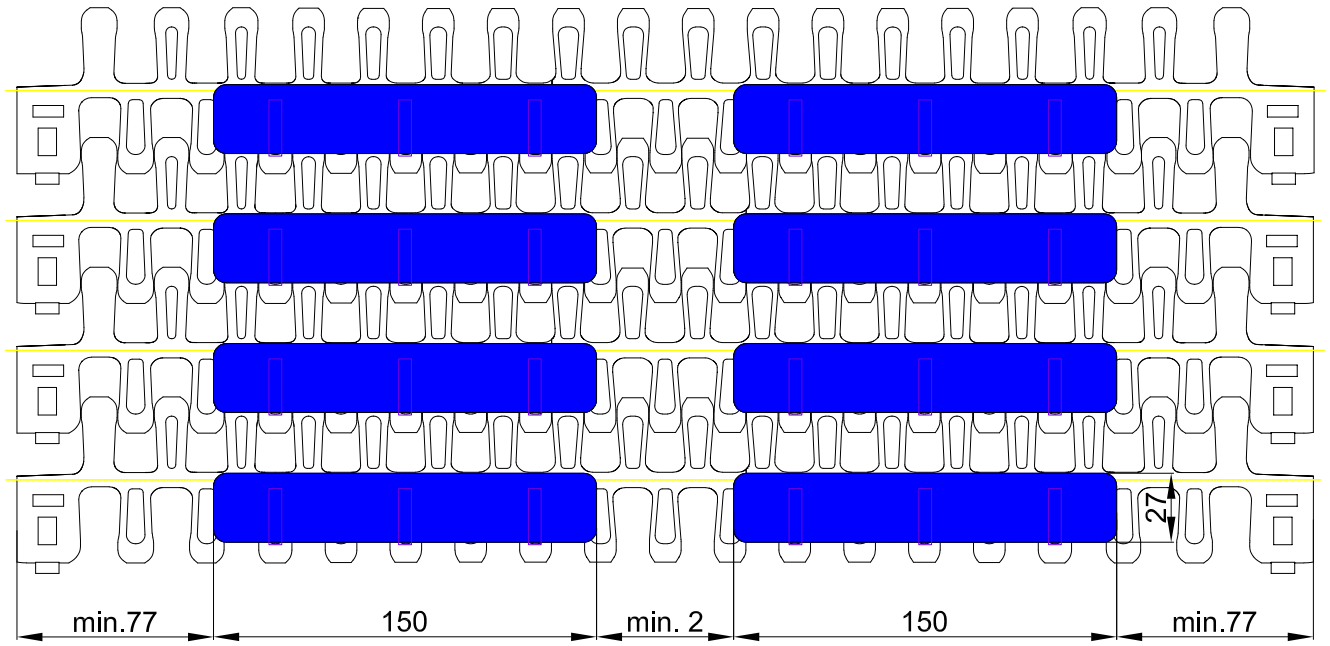
M5290/93 equipped with lane dividers

Min. belt width		Standard width steps		Min. edge distance		Offset to belt center		Distance lane divider		Height		Length	
B_0		Y		B		e*		F		H		L	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
508	20	25.4	1.0	127	5.0	0 or 12.7	0 or 0.5	22	0.87	25	0.98	29	1.14

*If belt width b_0/25.4 (1") is an odd number, the offset will be 12.7 mm *(0.5")* to left or right.
If the result is an even number, there will be no offset for center lane dividers.
Minimum belt back-bending with lange dividers or/and side guards 150 mm (6").
Do not place sprockets below lane dividers.

M529x GripTop inserts

Version of a GripTop Pattern:



Product code: M5290P1513-M00-E31

The clips can be insert every row
Clip width: 150 mm *(6")*
Minimum indent: 77 mm *(3")*
Minimum lateral clip installation in steps of 25.4 mm *(1")*
Minimum gap between the clips is 2 mm *(0.1")*
Customized pattern

HabasitLINK®
SP620 (Flush Grid)

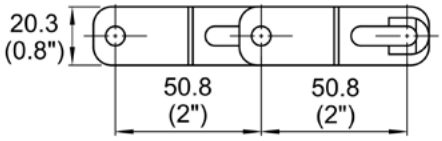
Description

- 47% open area; 76% open contact area;
- Flush Grid Surface; largest opening 15.8x20.6 mm *(0.62"x0.81")*
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Side guards
- GripTop modules
- Rollers





Belt data

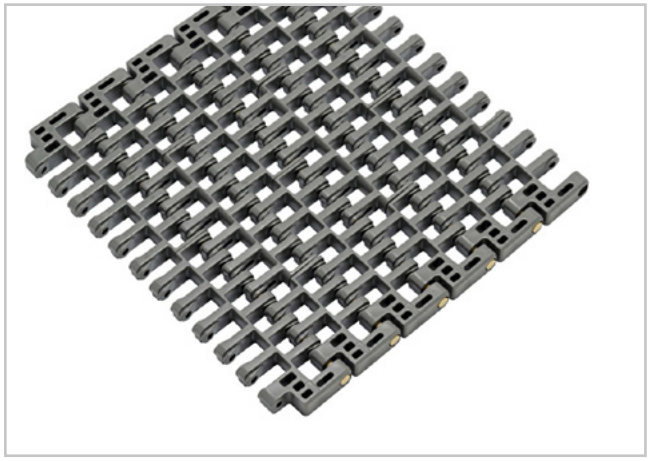
Belt material		PA	PE	POM	PP
Rod material		PP	PE	PP	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	39402 *2700*	21014 *1440*	39402 *2700*	26268 *1800*
Temperature range	°C *°F*	5 - 118 *40 - 245*	-70 - 65 *-94 - 150*	5 - 93 *40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	9.6 *1.97*	8.0 *1.63*	11.5 *2.36*	7.6 *1.56*
Standard belt color		dark gray	white	blue/gray	blue/gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

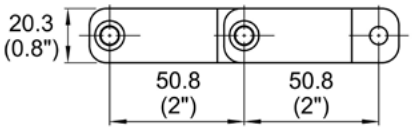
Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *1*" (25.4mm) starting from *5*" (127mm). Material selection may affect belt width – please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
SE620 Straight Edge Flush Grid 2.0"

Description
- 48% open area; 76% open contact area;
- Flush Grid Surface; largest opening 15.8x20.6 mm *(0.62"x0.81")*
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories
- Flights
- GripTop modules
- Rollers
- Side guards



Belt data

Belt material		PA	PBT	PP
Rod material		PA		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	39402 *2700*	39402 *2700*	26268 *1800*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 118 *-40 - 245*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.5 *2.15*	13.0 *2.67*	8.6 *1.76*
Standard belt color		gray	black	gray

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
89	*3.50*	100	*4.00*	150	*6*	100	*4*

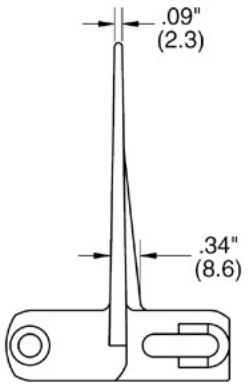
Standard range of belt widths in increments of *3*" (76.2mm) starting from *7.25*" (184.2mm) Non standard widths are offered in increments of *1*" (25.4mm) starting from *7.25*" (184.2mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Accessories for series SE620

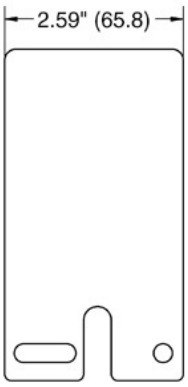
Flights and side guards for series SE620

modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight		Side guard
Code	SE620XXXX-W/-FT		IS/SG620
Height H, Length L	H	L	H
mm *inch*	-	-	-
mm *inch*	-	-	-
mm *inch*	-	-	-
mm *inch*	101.6 *4*	152.4 *6*	101.6 *4*
mm *inch*	152.4 *6*	152.4 *6*	-



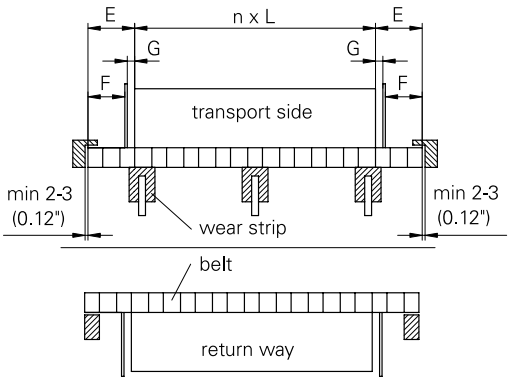
SE620XXXX-W/FT



IS/SG620

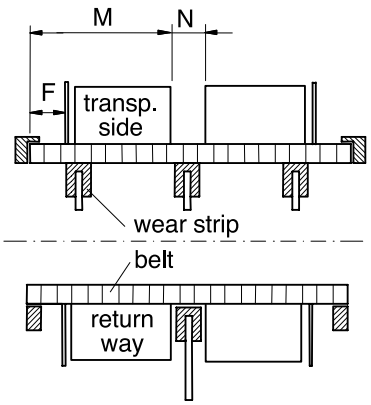
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24"*) on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm (*1"*). For SP620 series the minimum notch width is 25.4 mm (*1"*).



Installation of flights; indents

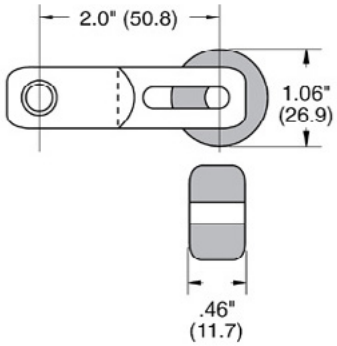
The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2"*).

	Possible flight indent E					
	Flight only		Flight + side guard with gap (G˜ 6.4 mm (0.25"))			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	25.4	*1*	-	-	-	-
Module cutting necessary	50.8	*2*	50.8	*2*	31.8	*1.25*
Standard, no module cutting	76.2	*3*	76.2	*3*	57.2	*2.25*
Module cutting necessary	101.6	*4*	101.6	*4*	82.6	*3.25*
Module cutting necessary	127.0	*5*	127.0	*5*	108.0	*4.25*

Flights and side guards SP620
For SE620 see table as for IS620

Rollers

Rollers provide a low friction to product and are often used if products get accumulated on the belt.



ROLLERS-XX-2

GripTop insert modules

GripTop inserts are optionally used with SE620 and SP620 belts. Since they are molded in TPE material it does affect the belt pull.

Flush



SP620XXHF

Curved



CT620XXHF

HabasitLINK®
IS620 Radius Flush Grid 2.0"

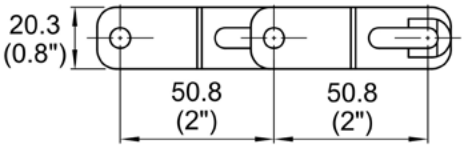


Description

- 47% open area; 76% open contact area;
- Flush Grid Surface; largest opening 16.0x18.5 mm *(0.63"x0.73")*
- For radius and straight conveying
- Nominal collapse factor: 2.2 for belts up to 609.6mm *(24")* wide
- Nominal collapse factor: 2.5 for belts over 609.6mm *(24")* wide
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights
- Hold down tabs
- Side guards
- Rollers
- GripTop modules



Belt data

Belt material		PA	PE	POM	PP
Rod material		PA	POM	PA	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	24818 *1700*	12409 *850*	24818 *1700*	23358 *1600*
Nominal tensile strength F'_N in curve [1]	N *lb*	*3114* *700*	*1557* *350*	*3114* *700*	1957 *440*
Temperature range	°C *°F*	-40 - 118 *-40 - 245*	-40 - 65 *-40 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.5 *2.15*	8.9 *1.82*	12.5 *2.56*	8.6 *1.76*
Standard belt color		dark gray	white	blue/gray	gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Belts are available in PP (PP rods) and PE (PE rods) materials for straight applications.
Standard range of belt widths in increments of *3*" (76.2mm) starting from *7.25*" (184.2mm) Non standard widths are offered in increments of *1*" (25.4mm) starting from *5*" (127mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series SP620, IS620, SE620

M	62	S	18	40	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

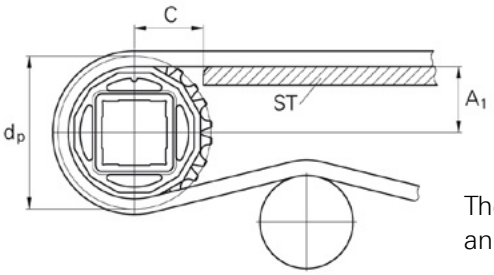
07 Material: 3 = UHMW; 8 = PA



Molded sprocket



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M62S	6	101,6	*4,00*	40,6	*1,60*	32	*1,25*	40	*1 / 1.5*	25 / 30 / 40	*1 / 1.25 / 1-7/16 / 1.5*	PE
M62S	11	180,3	*7,10*	80,0	*3,15*	32	*1,25*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M62S	15	244,3	*9,62*	112,0	*4,41*	32	*1,25*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
M62S	18	292,5	*11,52*	136,1	*5,36*	32	*1,25*	40 / 60	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
72008M-GP-1	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*				*1*	PA
72008M-GP-1-1/2SQ	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*		*1,5*			PA
72008M-WN-1	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*				*1*	PA
72008M-WN-1-1/2SQ	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*		*1,5*			PA
72008M-WN-1-1/4	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*				*1,25*	PA
72008M-WN-1-7/16	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*				*1 7/16*	PA
72008M-WN-30MM	8	132,7	*5,23*	56,2	*2,21*	38	*1,50*			30		PA
72010M-GN-2HX *	10	164,4	*6,47*	72,0	*2,84*	38	*1,50*					PA
72010M-GP-1-1/2SQ	10	164,4	*6,47*	72,0	*2,84*	38	*1,50*		*1,5*			PA
72010M-WN-1	10	164,4	*6,47*	72,0	*2,84*	38	*1,50*				*1*	PA
72010M-WN-1-1/2SQ	10	164,4	*6,47*	72,0	*2,84*	38	*1,50*		*1,5*			PA
72010M-WN-1-7/16	10	164,4	*6,47*	72,0	*2,84*	38	*1,50*				*1 7/16*	PA
72012M-WN-1-1/2SQ	12	196,3	*7,73*	88,0	*3,46*	38	*1,50*		*1,5*			PA
72012M-WN-1-15/16	12	196,3	*7,73*	88,0	*3,46*	38	*1,50*				*1 15/16*	PA
72012M-WN-1-7/16	12	196,3	*7,73*	88,0	*3,46*	38	*1,50*				*1 7/16*	PA
72012M-WN-2-1/2SQ	12	196,3	*7,73*	88,0	*3,46*	38	*1,50*		*2,5*			PA

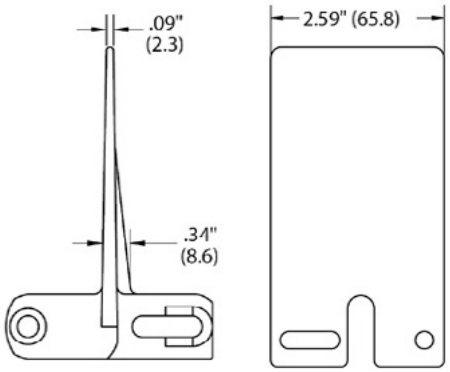
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon and urethane sprockets are also available.
* = 2" Hex bore

HabasitLINK®
Accessories for series IS620 and SP620

Flights and side guards for series IS620 (radius) and SP620

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

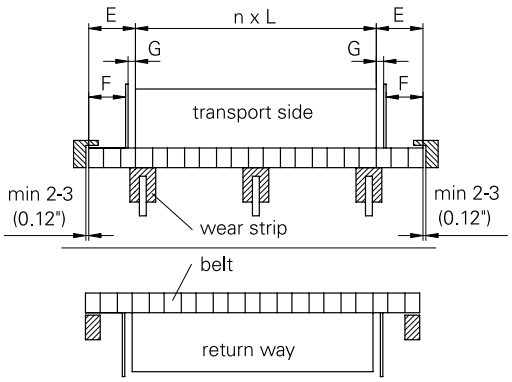
	Standard flight		Side guard
Code	SP620XXXX-W/FT		IS/SG620
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	152.4 *6*	-
mm *inch*	50.8 *2*	152.4 *6*	-
mm *inch*	76.2 *3*	152.4 *6*	-
mm *inch*	101.6 *4*	152.4 *6*	101.6 *4*



SP620XXXX-W/FT IS/SG620

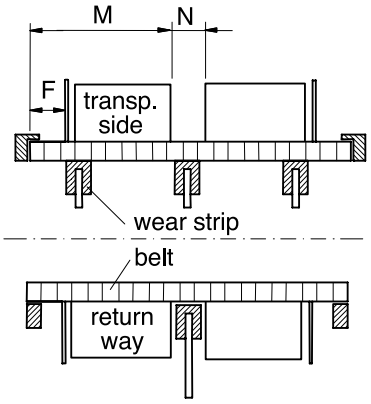
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24*") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm (*1*"). For IS620 series the minimum notch width is 25.4 mm (1").



Installation of flights; indents

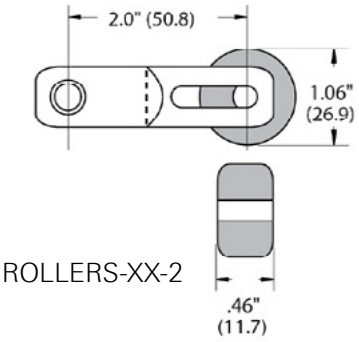
The distance between the flight and the hold-down- and support shoes/wear strips should not be smaller than 5 mm (*0.2"*).

	Possible flight indent E					
	Flight only		Flight + side guard with gap (G˜ 9.5 mm (*0.38"*)			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	-	-	-	-	-
Module cutting necessary	54.0	*2.13*	54.0	*2.13*	34.9	*1.38*
Module cutting necessary	66.7	*2.63*	66.7	*2.63*	47.6	*1.88*
Module cutting necessary	79.4	*3.13*	79.4	*3.13*	60.3	*2.38*
Module cutting necessary	92.1	*3.63*	92.1	*3.63*	73.0	*2.88*
Module cutting necessary	104.8	*4.13*	104.8	*4.13*	85.7	*3.38*

Flights and Side guards IS620 and SE620

Rollers

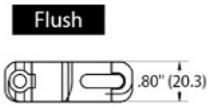
Rollers provide a low friction to product and are often used if products get accumulated on the belt.
Note: The use of rollers will change the collapse factor to 3.5.



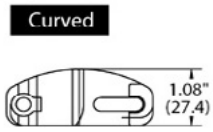
ROLLERS-XX-2

GripTop insert modules

GripTop inserts are optionally used with IS615 belts. Since they are molded in TPE material it does affect the belt pull..



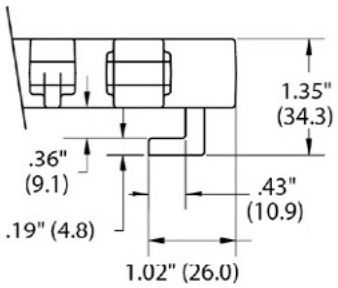
SP620XXHF



CT620XXHF

Hold down tabs for IS620 (radius) standard hold down tab

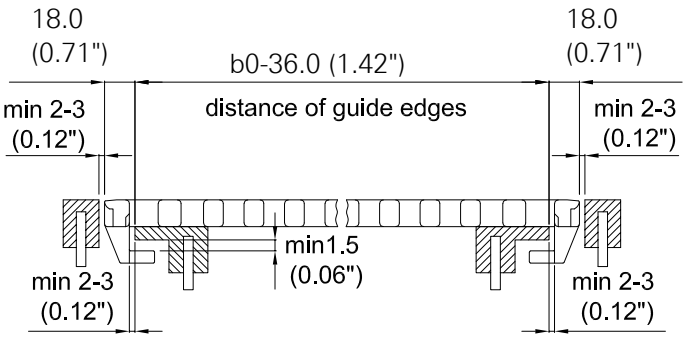
To avoid the belt flipping over or slipping off the inner guide rail in the curve, hold-down guides are normally used. They are, however, not suitable if the conveyed goods are larger than the belt width or if side transfer over the belt edge is required. For these cases special modules equipped with hold-down tabs (hook modules) are available for both belt edges. Hold-down edge modules with extension IS620XXXX-HDT are used for all applications where the products must be able to move over the belt edge. The use of hold-down modules is also mandatory when applying side guards.



IS620XXXX-HDT

Installation

Make sure to keep clearance between guides, sprockets and hold-down tabs. They are meant to act as lift-off safety devices and not as guides! They will, if in contact with the guides, wear off quickly and may increase the tension in the belt. For these reasons the conveyor needs to be designed with the appropriate accuracy. Minimum belt width 127 mm (*5*").

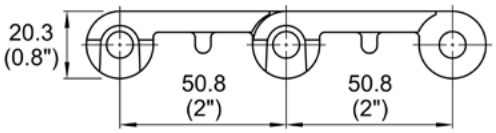


HabasitLINK®
HDS620 Flat Top 2.0"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	11.5 *2.35*	7.8 *1.59*
Standard belt color		blue/white	blue/white	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

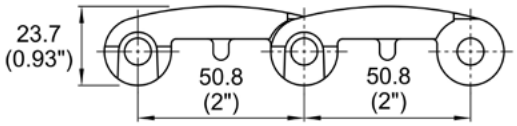
Standard range of belt widths in increments of 1" (25.4mm) starting from 4" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
HDSCT620 Curve Top 2.0"

Description
- 0% open area; 79% open contact area;
- Curve Top Surface;
- Open hinge, Easy to clean
- Belt creates circle for scraping with 12 tooth sprocket
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	11.5 *2.35*	7.8 *1.59*
Standard belt color		white	gray/white	gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

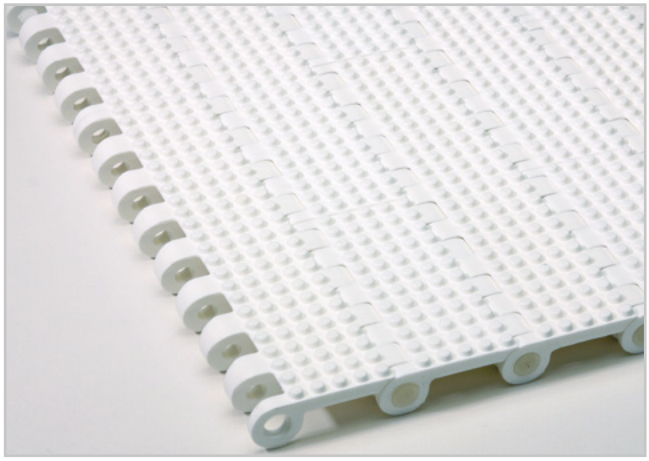
Standard range of belt widths in increments of 1" (25.4mm) starting from 4" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

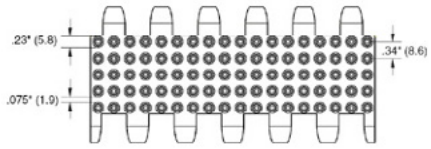
*Indicated value for stiff products only. Softer products can have less open contact area.

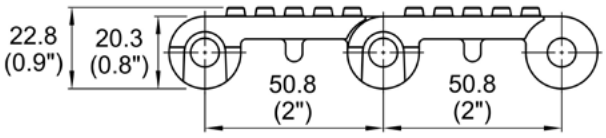
HabasitLINK®
HDSEZR620 Easy Release 2.0"

Description
- 0% open area
- Easy Release Surface
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules







Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.8 *1.80*	12.7 *2.60*	8.3 *1.70*
Standard belt color		white	white	white

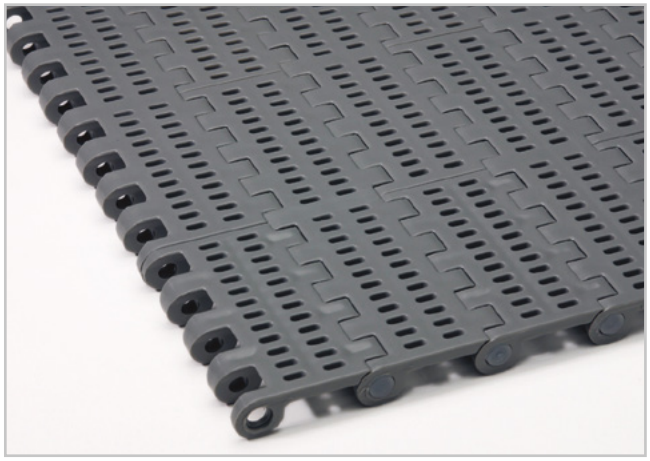
Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

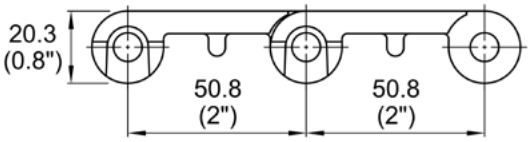
Standard range of belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
HDSVT620 Vent Top 2.0"

Description
- 7% open area; 24% open contact area;
- Vent Top Surface; largest opening 3.3x8.9 mm *(0.13"x0.35")*
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.8 *1.80*	12.7 *2.60*	8.3 *1.70*
Standard belt color		white/gray/blue	white	white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Sprocket series HDS620, HDSCT620, HDSVT620, HDSEZR620

M	U6	S	10	30	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

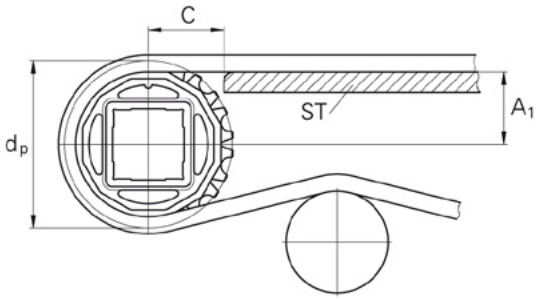
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Molded sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MU6S	6	101,6	*4,00*	40,6	*1,60*	32	*1,25*	40	*1 / 1.5 / 2*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*	40 / 80	*1 / 1.5 / 2*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	12	196,3	*7,73*	88,0	*3,46*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	14	228,3	*8,99*	104,0	*4,09*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	16	260,4	*10,25*	120,0	*4,73*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

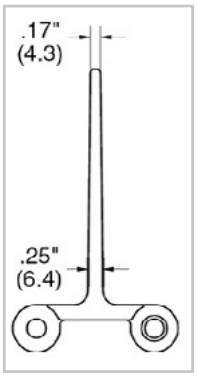
Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
HDU72008M-WN-1	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*				*1*	PA
HDU72008M-WN-1-1/2SQ	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*		*1,5*			PA
HDU72008M-WN-30MM	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*			30		PA
HDU72008M-WN-40MMSQ	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*	40				PA
HDU72010M-WN-1	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*				*1*	PA
HDU72010M-WN-1-1/2SQ	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*		*1,5*			PA
HDU72010M-WN-1-7/16	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*				*1 7/16*	PA
HDS72012M-WN-1-7/16	12	196,3	*7,73*	88,0	*3,46*	32	*1,25*				*1 7/16*	PA

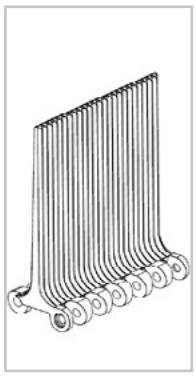
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon and urethane sprockets are also available.

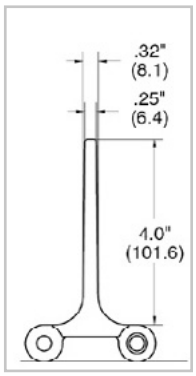
HabasitLINK®
Accessories for series HDS620

Flights and side guards for series HDS620 FT, HDS620 CT, HDS620 VT and HDS620 EZR
HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

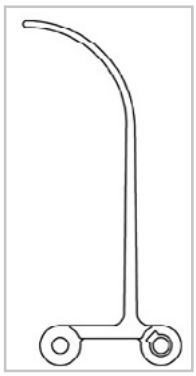


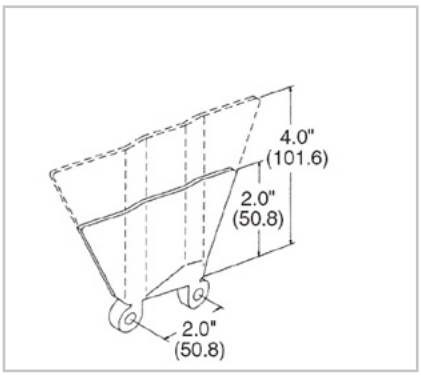
HDS620XXXX-W/FT


HDS620XXXX-EZR



HDS620XXXX-RBFT

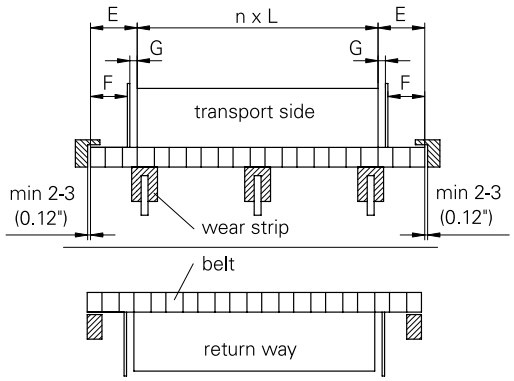

HDS620XXXX-FT-CRV



HDS/SG620

	Standard flight		Easy release flight		Rough duty flight		Scoop flight		Side guard
Code	HDS620XXXX-W/FT		HDS620XXXX-EZR		HDS620XXXX-RBFT		HDS620XXXX-FT-CRV		HDS/ SG620
Height H, Length L	H	L	H	L	H	L	H	L	H
mm *inch*	25.4 *1*	152.4 *6*	-	-	-	-	-	-	-
mm *inch*	50.8 *2*	152.4 *6*	-	-	-	-	-	-	50.8 *2*
mm *inch*	101.6 *4*	152.4 *6*	-	-	101.6 *4*	152.4 *6*	101.6 *4*	152.4 *6*	101.6 *4*
mm *inch*	152.4 *6*	152.4 *6*	152.4 *6*	152.4 *6*	-	-	152.4 *6*	152.4 *6*	-

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24"*) on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm (*1"*). For HDS620 series the minimum notch width is 25.4 mm (*1"*).

Installation of flights; indents

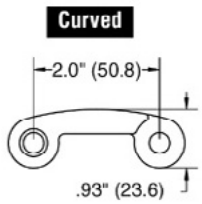
The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2"*).

	*Possible flight indent E					
	*Flight only		*Flight + side guard with gap (G˜ 3 mm (0.12")			
	E		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	*0*	-	-	-	-
Module cutting necessary	50.8	*2*	50.8	*2*	38.1	*1.5*
Module cutting necessary	63.5	*2.5*	63.5	*2.5*	50.8	*2*
Module cutting necessary	76.2	*3*	76.2	*3*	63.5	*2.5*
Module cutting necessary	88.9	*3.5*	88.9	*3.5*	76.2	*3*
Module cutting necessary	101.6	*4*	101.6	*4*	88.9	*3.5*

Flights and Side Guard HDS620FT, HDS620VT, HDS620EZR
*HDS620EZR uses HDS620FT for indent module
*HDU620CT: Side guards not possible with HDU620CT belting (flights can be used)

GripTop insert modules

GripTop inserts curved top modules molded in TPE material do affect the belt pull.



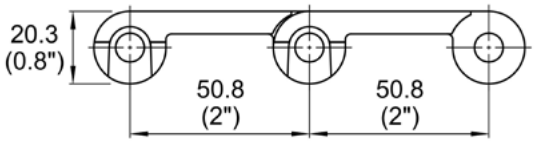
HDSCT620XXHF

HabasitLINK®
HDU620 Flat Top 2.0"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PA+IM	PA	PE	POM	PP
Rod material		PE				PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	26268 *1800*	30646 *2100*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-40 - 65 *-40 - 150*	-40 - 65 *-40 - 150*	-70 - 65 *-94 - 150*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.0 *2.05*	10.0 *2.05*	8.0 *1.64*	11.5 *2.35*	7.8 *1.59*
Standard belt color		white	gray	blue/white	blue/white	gray/white

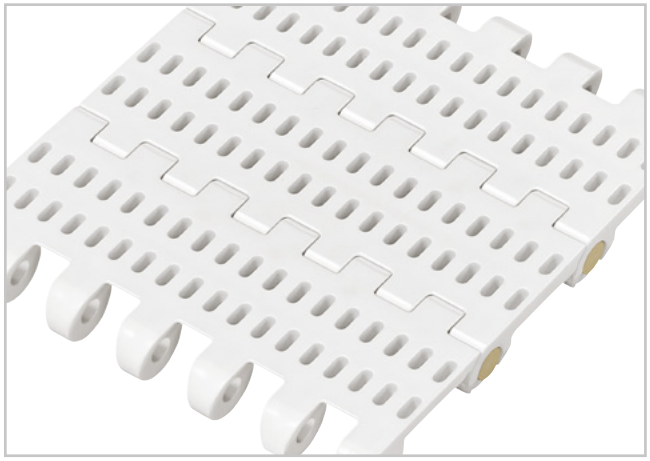
Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

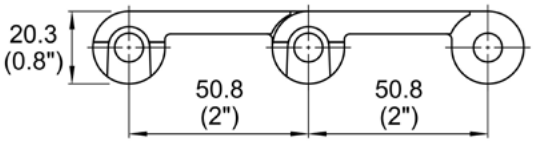
Standard range of belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
HDU620 Vent Top 2.0"

Description
- 7% open area; 24% open contact area;
- Vent Top Surface; largest opening 3.3x8.9 mm *(0.13"x0.35")*
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	*30646* *2100*	*26268* *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	*-40 - 65* *-40 - 150*	*5 - 105* *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	11.5 *2.35*	7.8 *1.59*
Standard belt color		blue/white	blue/white	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

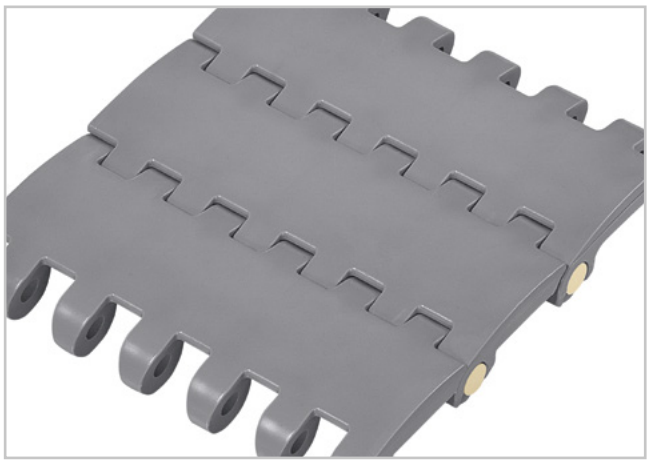
HabasitLINK®
HDU620 Curve Top 2.0"

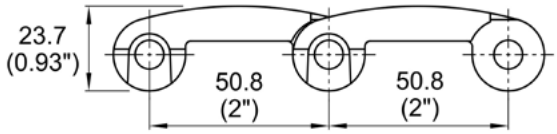
Description

- 0% open area; 79% open contact area;
- Curve Top Surface;
- Open hinge, Easy to clean
- Belt creates circle for scraping with 12 tooth sprocket
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PA+IM	PP
Rod material		PE			PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 65 *-40 - 150*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	11.5 *2.35*	10.0 *2.05*	7.8 *1.59*
Standard belt color		white	white	white	blue/gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *4*" (101.6mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

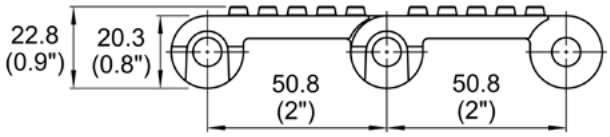
*Indicated value for stiff products only. Softer products can have less open contact area.

HabasitLINK®
HDU620 Easy Release 2.0"

Description
- 0% open area
- Easy Release Surface
- Open hinge, Easy to clean
- Rod diameter 7.9 mm *(0.312")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights and scoops
- Side guards
- GripTop modules





Belt data

Belt material		PE	POM	PP
Rod material		PE		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20430 *1400*	30646 *2100*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	-40 - 65 *-40 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.0 *1.64*	11.5 *2.35*	7.8 *1.59*
Standard belt color		white	white	white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of 1" (25.4mm) starting from 4" (101.6mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) rods available.

HabasitLINK®
Sprocket series HDU620 FT / HDU620 VT / HDU620 CT / HDU620 EZR

M	U6	S	10	30	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

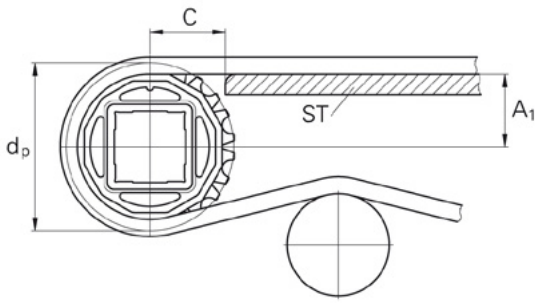
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MU6S	6	101,6	*4,00*	40,6	*1,60*	32	*1,25*	40	*1 / 1.5 / 2*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*	40 / 80	*1 / 1.5 / 2*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	12	196,3	*7,73*	88,0	*3,46*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	14	228,3	*8,99*	104,0	*4,09*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE
MU6S	16	260,4	*10,25*	120,0	*4,73*	32	*1,25*	40 / 80	*1 / 1.5 / 2 / 2.5*	25 / 30 / 40 / 50 / 80	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16*	PE

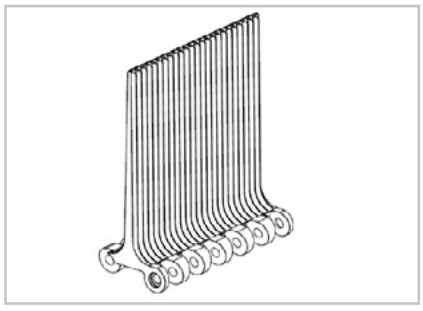
Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
HDU72008M-WN-1	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*				*1*	PA
HDU72008M-WN-1-1/2SQ	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*		*1,5*			PA
HDU72008M-WN-30MM	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*			30		PA
HDU72008M-WN-40MMSQ	8	132,7	*5,23*	56,2	*2,21*	32	*1,25*	40				PA
HDU72010M-WN-1	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*				*1*	PA
HDU72010M-WN-1-1/2SQ	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*		*1,5*			PA
HDU72010M-WN-1-7/16	10	164,4	*6,47*	72,0	*2,84*	32	*1,25*				*1 7/16*	PA

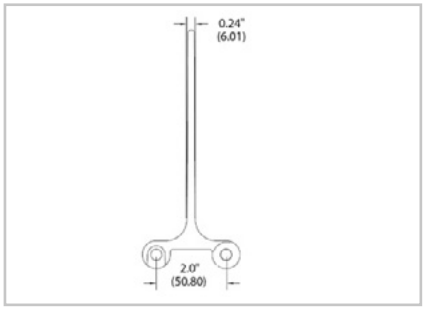
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon sprockets are also available.

HabasitLINK®
Accessories for series HDU620

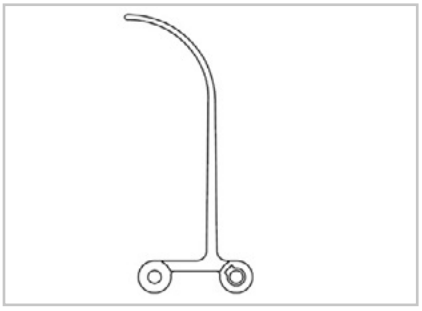
Flights and side guards for series HDU620 FT, HDU620 CT, HDU620 VT and HDU620 EZR
HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.



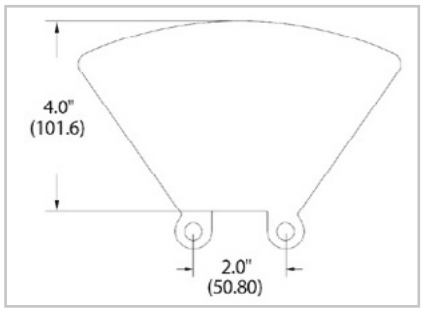
HDU620XXXX-EZR



HDU620XXXX-RBFT



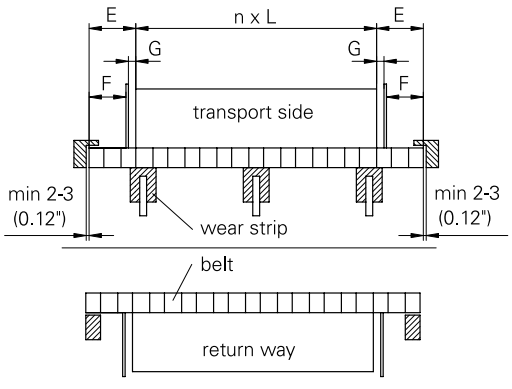
HDU620XXXX-FT-CRV



HDU/SG620

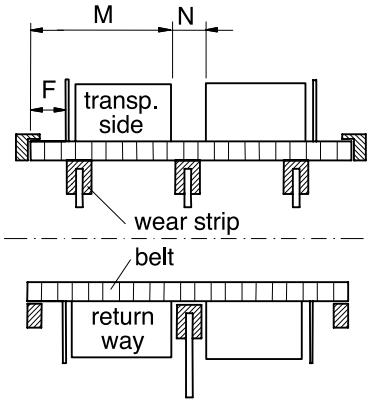
	Easy release flight		Rough duty flight		Scoop flight		Side guard
Codew	HDU620XXXX-EZR		HDU620XXXX-RBFT		HDSU20XXXX-FT-CRV		HDU/SG620
Height H, Length L	H	L	H	L	H	L	H
mm *inch*	-	-	50.8 *2*	152.4 *6*	-	-	50.8 *2*
mm *inch*	-	-	-	-	-	-	76.2 *3*
mm *inch*	-	-	101.6 *4*	152.4 *6*	101.6 *4*	152.4 *6*	101.6 *4*
mm *inch*	152.4 *6*	152.4 *6*	152.4 *6*	152.4 *6*	152.4 *6*	152.4 *6*	-

Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24"*) on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm (*1"*). For HDU620 series the minimum notch width is 38.1 mm (*1.5"*).



Installation of flights; indents

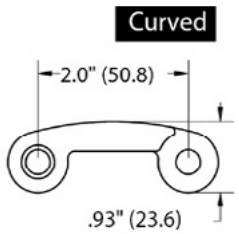
The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2"*).

	*Possible flight indent E					
	*Flight only		*Flight + side guard with gap (G~ 3 mm (0.12")			
	E		E		F	
	mm	*inch*	mm	inch	mm	*inch*
Flight over full belt width	0	*0*	-	-	-	-
Module cutting necessary	38.1	*1.5*	38.1	*1.5*	25.4	*1*
Module cutting necessary	50.8	*2*	50.8	*2*	38.1	*1.5*
Module cutting necessary	63.5	*2.5*	63.5	*2.5*	50.8	*2*
Module cutting necessary	76.2	*3*	76.2	*3*	63.5	*2.5*
Standard, no module cutting	88.9	*3.5*	88.9	*3.5*	76.2	*3*

Flights and Side Guard HDU620FT, HDU620VT, HDU620EZR
*HDU620EZR uses HDU620FT for indent module
*HDU620CT: Side guards not possible with HDU620CT belting (flights can be used)

GripTop insert modules

GripTop inserts curved top modules molded in TPE material do affect the belt pull.

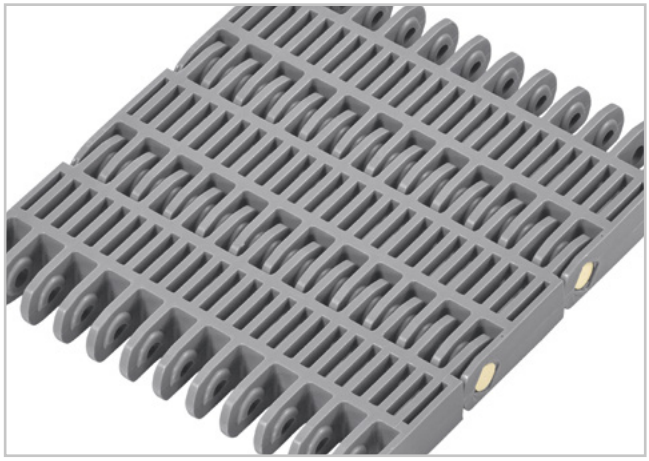


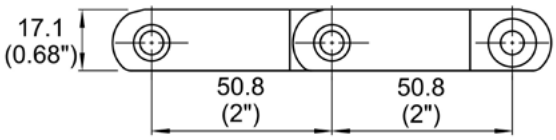
HDUCT620XXHF

HabasitLINK®
FF620 Fluid Flow 2.0"

Description
- 29% open area; 69% open contact area;
- Flush Grid Surface; largest opening 3.1x18.8 mm *(0.12"x0.74")*
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Side guards





Belt data

Belt material		PE	PP
Rod material		**PE**	**PP**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21014 *1440*	26268 *1800*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.9 *1.62*	7.5 *1.53*
Standard belt color		white	gray/white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

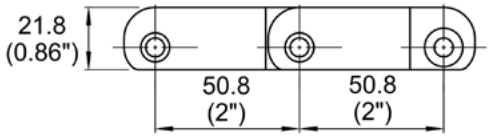
Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *6*" (152.4mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
FF620 Fluid Flow Raised Rib 2.0"

Description
- 29% open area; 80% open contact area;
- Raised Rib Surface; largest opening 3.1x18.8 mm *(0.12"x0.74")*
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights
- Transfer plates





Belt data

Belt material		PP
Rod material		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	26268 *1800*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	8.8 *1.80*
Standard belt color		gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *6*" (152.4mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
FF620 Fluid Flow Mini-Cleat 2.0"

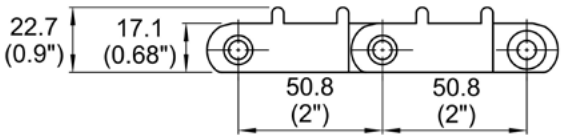
Description

- 29% open area; 95% open contact area;
- Mini Cleat Surface; largest opening 3.1x18.8 mm *(0.12"x0.74")*
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Flights





Belt data

Belt material		PE
Rod material		**PE**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21014 *1440*
Temperature range	°C *°F*	-70 - 65 *-94 - 150*
Belt weight m_B	kg/m² *lb/sqft*	8.3 *1.70*
Standard belt color		white

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm) Non standard widths are offered in increments of *0.5*" (12.7mm) starting from *6*" (152.4mm) upon request. Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®

Sprocket series FF620, FF620 WR, FF620 MC

M	F6	S	16	60	Q	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

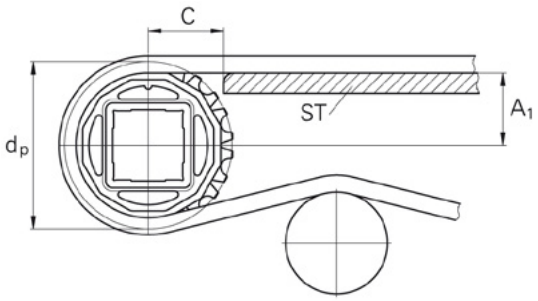
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Molded sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MF6S	6	101,6	*4,00*	42,2	*1,66*	38	*1,50*	40	*1 / 1.5*	30 / 40	*1 / 1.25 / 1-7/16 / 1.5*	PE
MF6S	16	260,4	*10,25*	121,6	*4,79*	38	*1,50*	40 / 60	*1 / 1.5 / 2.5*	30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

Molded Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
76208M-WN-1	8	132,7	*5,23*	57,7	*2,27*	38	*1,50*				*1*	PA
76208M-WN-1-1/2SQ	8	132,7	*5,23*	57,7	*2,27*	38	*1,50*		*1,5*			PA
76208M-WN-1-7/16	8	132,7	*5,23*	57,7	*2,27*	38	*1,50*				*1 7/16*	PA
76210M-WN-1	10	164,4	*6,47*	73,6	*2,90*	38	*1,50*				*1*	PA
76210M-WN-1-1/2SQ	10	164,4	*6,47*	73,6	*2,90*	38	*1,50*		*1,5*			PA
76210M-WN-1-7/16	10	164,4	*6,47*	73,6	*2,90*	38	*1,50*				*1 7/16*	PA
76212M-WN-1-1/2SQ	12	196,3	*7,73*	89,5	*3,52*	38	*1,50*		*1,5*			PA
76212M-WN-1-7/16	12	196,3	*7,73*	89,5	*3,52*	38	*1,50*				*1 7/16*	PA
76212M-WN-2-1/2SQ	12	196,3	*7,73*	89,5	*3,52*	38	*1,50*		*2,5*			PA

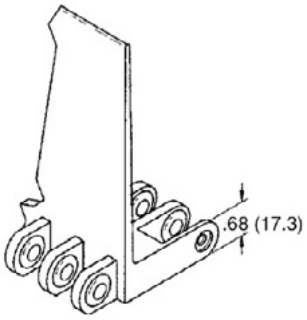
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon and urethane sprockets are also available.

HabasitLINK®
Accessories for series FF620

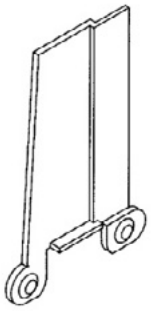
Flights and side guards for series FF620, FF620 WR and FF620 MC

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

	Flight straight		Side guard
			Not for FF620WR and FF620MC
Code	FF620XXXX-W/FT		FF/SG620
Height H, Length L	H	L	H
mm *inch*	25.4 *1*	152.4 *6*	-
mm *inch*	50.8 *2*	152.4 *6*	-
mm *inch*	76.2 *3*	152.4 *6*	76.2 *3*
mm *inch*	101.6 *4*	152.4 *6*	101.6 *4*



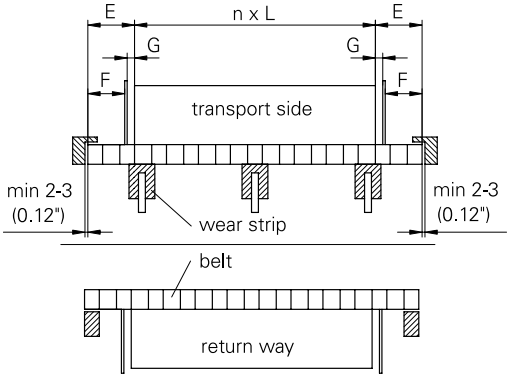
FF620XXXX-W/FT



FF/SG620

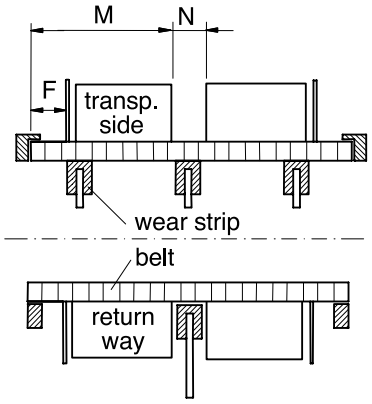
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24*") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 12.7 mm (*0.5*"). For FF620 series the minimum notch width is 25.4 mm (*1*").



Installation of flights; indents

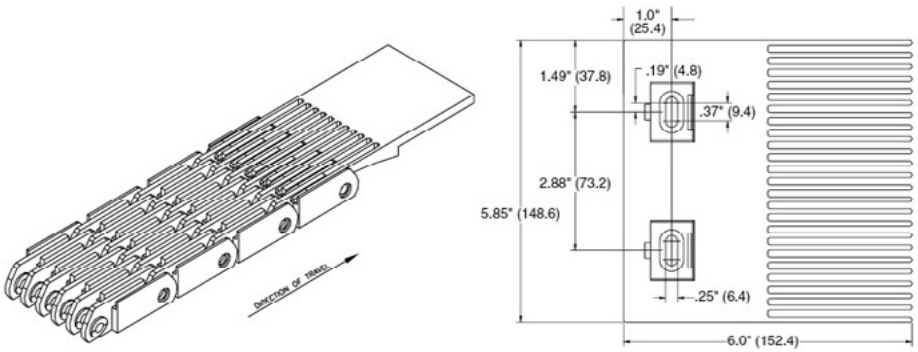
The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2*").

	*Possible flight indent E					
	*Flight only		*Flight + side guard with gap (G˜ 6.4 mm (0.25")			
	E		E		F	
	mm	*inch*	mm	inch	mm	*inch*
Flight over full belt width	0	*0*	-	-	-	-
Module cutting necessary	25.4	*1*	25.4	*1*	12.7	*0.5*
Module cutting necessary	38.1	*1.5*	38.1	*1.5*	25.4	*1*
Module cutting necessary	50.8	*2*	50.8	*2*	38.1	*1.5*
Module cutting necessary	63.5	*2.5*	63.5	*2.5*	50.8	*2*
Standard, no module cutting	76.2	*3*	6.2	*3*	63.5	*2.5*

Flights and Side Guard FF620
*If indent is not an increment of *1*", cutting flight row must consider sprocket paths

Transfer Plate for FF620 WR

The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2*").



TP-FF6

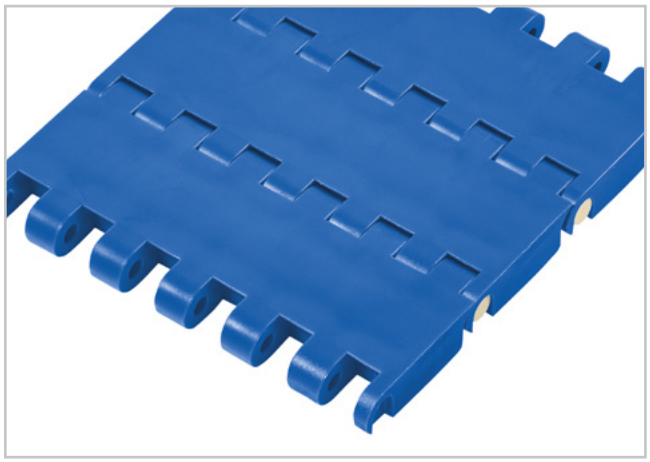
Note

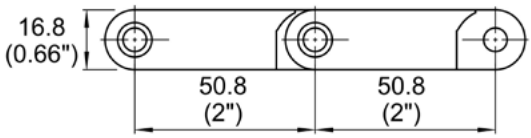
The combs are fixed using a special distance bushing that allows lateral movement. This allows the combs to adapt their position to the lateral displacement of the belt, caused by thermal expansion. For belt widths up to 300 mm (*12*"), the plates can be firmly fixed (2 plates max) The fixation of the comb support should be adjustable to allow fine-tuning.

HabasitLINK®
MB620 Flat Top 2.0"

Description
- 0% open area
- Flat Top Surface, Solid plate
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights





Belt data

Belt material		POM	PP
Rod material		PA	PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	102157 *7000*	58376 *4000*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	15.5 *3.18*	10.5 *2.14*
Standard belt color		blue	gray

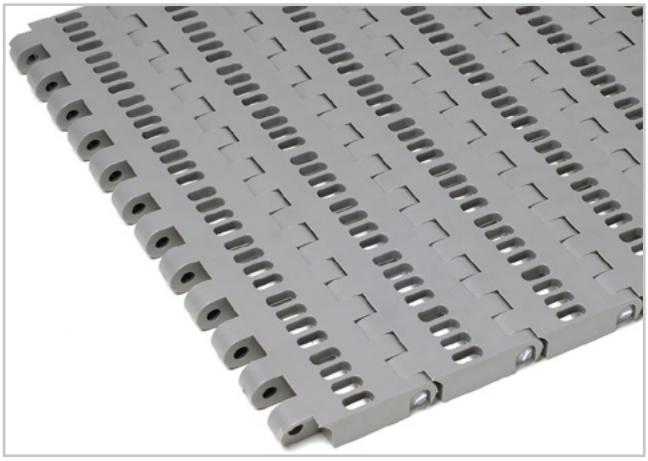
Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

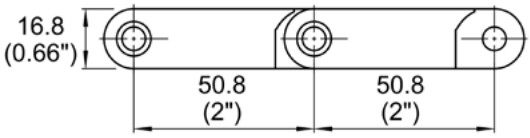
Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
MB620 Vent Top 2.0"

Description
- 16% open area; 29% open contact area;
- Vent Top Surface; largest opening 6.4x12.7 mm *(0.25"x0.5")*
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights





Belt data

Belt material		PP
Rod material		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	44657 *3060*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.5 *2.14*
Standard belt color		gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

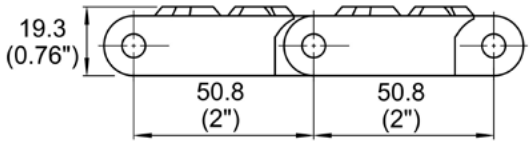
Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
MB620 Tread Top 2.0"

Description
- 0% open area 29% open contact area;
- Tread Top Surface,
- Closed hinge
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories
- Flights





Belt data

Belt material		PP
Rod material		PP
Nominal tensile strength F'_N straight run	N/m *lb/ft*	49619 *3400*
Temperature range	°C *°F*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	10.5 *2.14*
Standard belt color		gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *3*" (76.2mm) starting from *6*" (152.4mm). Material selection may affect belt width — please contact your local partner for actual dimensions.
Additional belt colors and materials available, abrasive resistant Nylon (Polyamide) and stainless steel rods available.

HabasitLINK®
Sprocket series MB620 FT, MB620 VT, MB620 TT

M	M2	S	08	25	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

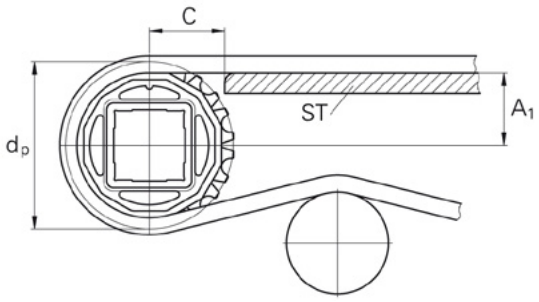
05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 3 = UHMW; 8 = PA



Machined sprocket



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
MM2S	8	132,7	*5,23*	58,0	*2,28*	32	*1,25*	40 / 50	*1 / 1.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MM2S	10	164,4	*6,47*	73,8	*2,91*	32	*1,25*	40 / 50	*1 / 1.5 / 2.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MM2S	12	196,3	*7,73*	89,8	*3,53*	32	*1,25*	40 / 50	*1 / 1.5 / 2.5 / 3.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MM2S	15	244,3	*9,62*	113,8	*4,48*	32	*1,25*	40 / 50	*1 / 1.5 / 2.5 / 3.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
MM2S	16	260,4	*10,25*	121,8	*4,80*	32	*1,25*	40 / 50	*1 / 1.5 / 2.5 / 3.5*	25 / 30 / 40 / 50	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

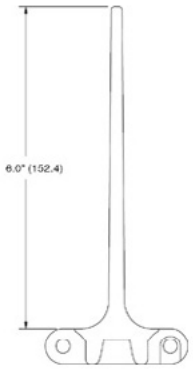
Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon and urethane sprockets are also available.

HabasitLINK®
Accessories for series MB620

Flights for series MB620 FT, MB620 VT, MB620 TT and MB620 RR

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when assembled, become an integral part of the belt.

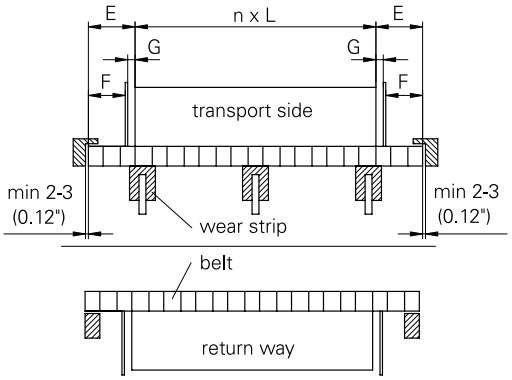
	Flight straight	
Code	ST620XXXX-W/FT	
Height H, Length L	H	L
mm *inch*	152.4 *6*	152.4 *6*



ST620XXXX-W/FT

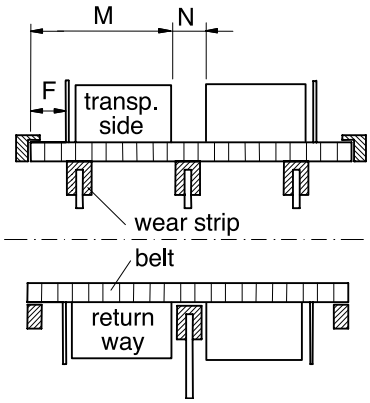
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back bending applications (elevators). On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).



Notch (N)

The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm (*24*") on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 76.2 mm (*3.0*"). For MB620 series the minimum notch width is 76.2 mm (*3.0*").



Installation of flights; indents

The distance between the flight and the hold-down- and support shoes/ wear strips should not be smaller than 5 mm (*0.2"*).

	Possible flight indent	
	E	
	mm	*inch*
Flight over full belt width	0	*0*
Module cutting necessary	25.4	*1*
Module cutting necessary	38.1	*1.5*
Module cutting necessary	50.8	*2*
Module cutting necessary	63.5	*2.5*
Module cutting necessary	76.2	*3*

Flights for MB620FT, MB620VT, M620TT

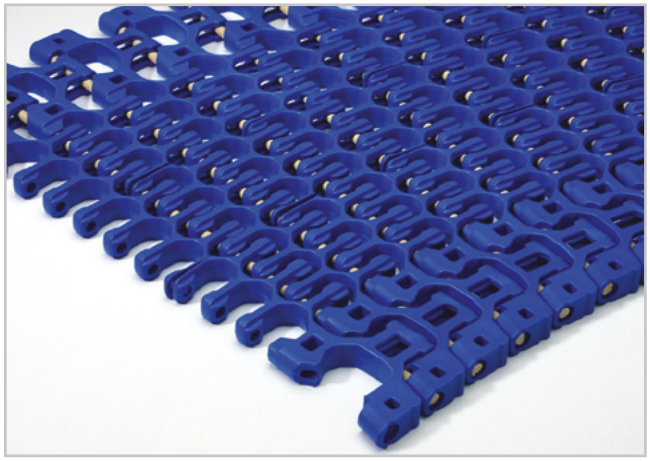
HabasitLINK®
PR620 Spiral Pro 2.0"

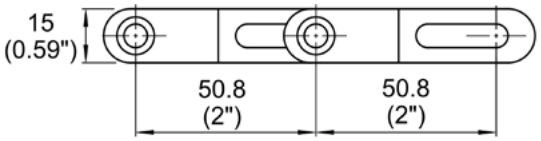
Description

- 50% open area; 85% open contact area;
- Flush Grid Surface; largest opening 17.3x17.8 mm *(0.68"x0.70")*
- For radius and straight conveying
- Nominal collapse factor: 1.6; Adjustable radius reduction plugs are available
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Side guards
- Lane divider
- Radius reduction plugs





Belt data

Belt material		POM	PP
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21898 *1500*	17518 *1200*
Nominal tensile strength F'_N in curve [1]	N *lb*	1779 *400*	1111 *250*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.51*	4.9 *1.00*
Standard belt color		blue	blue

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

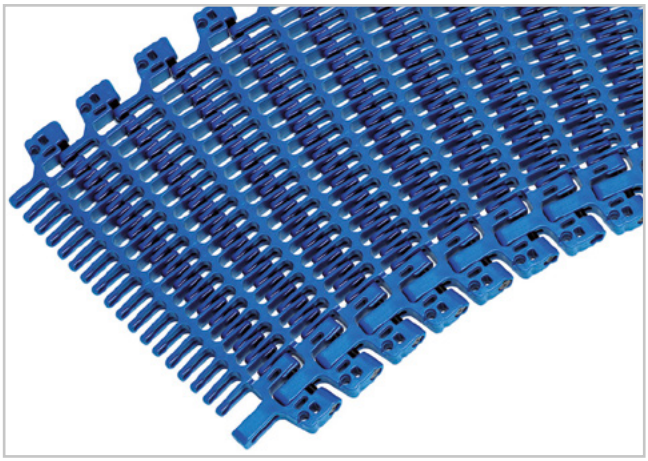
Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8 mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
PR620SPS Spiral Pro Small Product Surface 2.0"

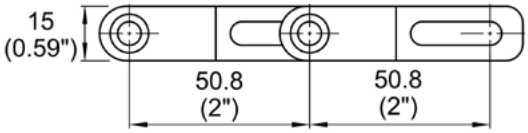
Description

- 54% open area; 76% open contact area;
- Flush Grid Surface; largest opening 9.8x17.5 mm *(0.39"x0.69")*
- For radius and straight conveying
- Nominal collapse factor: 1.6; Adjustable radius reduction plugs are available
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories

- Side guards
- Lane divider
- Radius reduction plugs



Belt data

Belt material		POM	PA
Rod material		PA	
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21898 *1500*	21898 *1500*
Nominal tensile strength F'_N in curve [1]	N *lb*	1779 *400*	1111 *250*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-46 - 118 *-50 - 245*
Belt weight m_B	kg/m² *lb/sqft*	7.4 *1.51*	6.0 *1.22*
Standard belt color		blue	gray

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.

Additional belt colors and materials available, stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

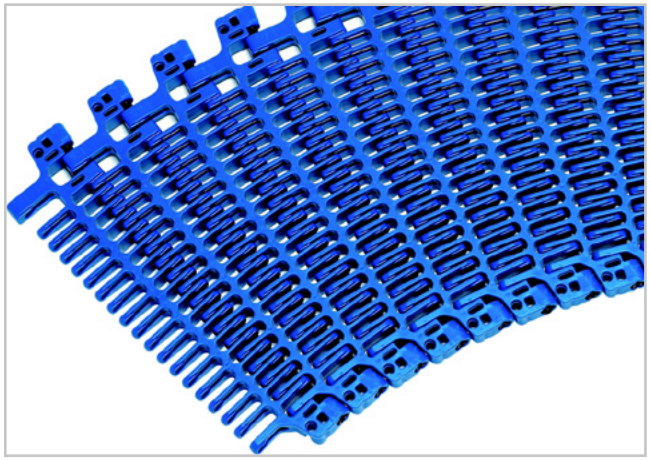
HabasitLINK®
PR620SPS CT Spiral Pro SPS Curve Top 2.0"

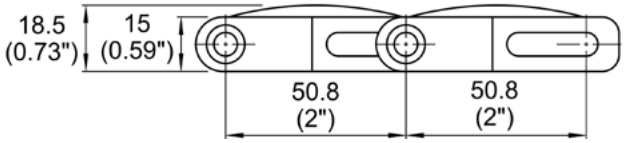
Description

- 54% open area; 88% open contact area;
- Curve Top Surface; largest opening 9.8x17.5 mm *(0.39"x0.69")*
- For radius and straight conveying
- Nominal collapse factor: 1.6; Adjustable radius reduction plugs are available
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available

Available accessories

- Side guards
- Radius reduction plugs





Belt data

Belt material		POM
Rod material		PA
Nominal tensile strength F'_N straight run	N/m *lb/ft*	21898 *1500*
Nominal tensile strength F'_N in curve (1)	N *lb*	1779 *400*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.3 *1.70*
Standard belt color		blue

Diameter of idling rollers (minimum)	
mm	*inch*
89	*3.50*

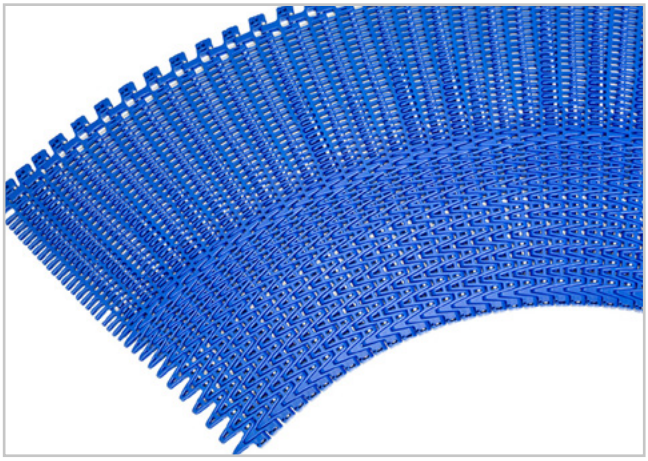
Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm).
Material selection may affect belt width — please contact your local partner for actual dimensions.

*Indicated value for stiff products only. Softer products can have less open contact area.
Additional belt colors and materials available, stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
PR620 TTR Tight Turn Radius 2.0"

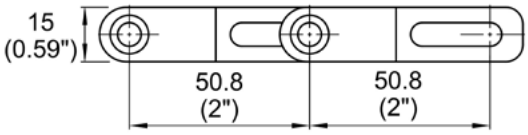
Description

- 54% open area; 76% open contact area;
- Flush Grid Surface; largest opening 20.6x25.1 mm *(0.81"x0.99")*
- For radius and straight conveying
- Nominal collapse factor: 1.0 for belts up to 1534.6mm *(44")* wide
- Nominal collapse factor: 1.1 for belts over 1534.6mm *(44")* wide
- Open hinge, Easy to clean
- Rod diameter 6.4 mm *(0.250")*
- Snap fit rod retaining system
- Food approved materials available



Available accessories

- Side guards
- Lane divider
- Radius reduction plugs



Belt data

Belt material		**POM**
Rod material		**POM**
Nominal tensile strength F'_N in curve [1]	N *lb*	1779 *400*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	7.3 *1.50*
Standard belt color		blue

Standard range of belt widths in increments of *1*" (25.4mm) starting from *12*" (304.8mm). Material selection may affect belt width — please contact your local partner for actual dimensions.

*Indicated value for stiff products only. Softer products can have less open contact area.
Additional belt colors and materials available, stainless steel rods available.
Protection type: IP1X (DIN EN 60259 / IEC 529)

HabasitLINK®
Sprocket series PR620, PR620 SPS, PR620 TTR

M	20	S	10	40	R	3
01	02	03	04	05	06	07

01 M = Modular belts

02 Belt type

03 S = sprocket one-piece Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

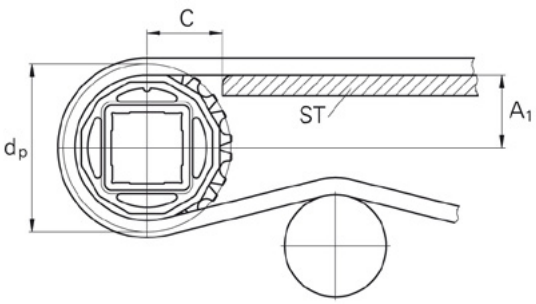
07 Material: 3 = UHMW; 8 = PA



Machined sprocket
– PR620



Machined sprocket
– PR620 SPS



The distance **C** between the sprocket axis and the slider support **ST** is minimal 56mm *(1.20")*

Machined Sprockets Availability

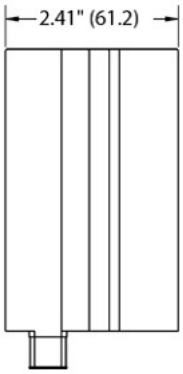
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	
M20S	10	164,4	*6,47*	74,7	*2,94*	32	*1,25*	40 / 60	*1 / 1.5 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE
M21S	10	164,4	*6,47*	74,7	*2,94*	32	*1,25*	40 / 60	*1 / 1.5 / 2.5*	25 / 30 / 40 / 50 / 60	*1 / 1.25 / 1-7/16 / 1.5 / 1 15/16 / 2*	PE

Split sprockets and other tooth sizes are available.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Machined nylon and urethane sprockets are also available.
PR620 belts use M20S sprockets.
PR620SPS and PR620SPS CT use M21S sprockets.
PR620 TTR belts use a combination of M20S and M21S sprockets.

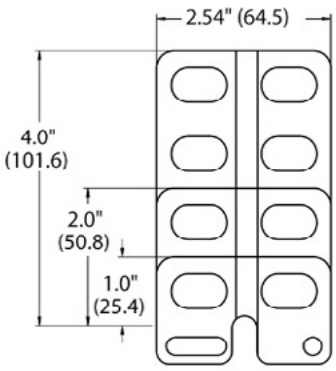
HabasitLINK®
Accessories for series PR620

Side guards for series PR620, PR620 SPS, PR620 SPSCT and PR620 TTR (all radius)
This series is available with side guards and lane dividers which are injection-molded. The side guards are clipped into belt edge modules while the lane dividers can be assembled in the belt center in multiple link increment distances of 12.7 mm (0.5").

	Side guard	Lane divider
Code	PR/SG620	PR/LD620
Height H	H	H
mm *inch*	12.7 *0.5*	12.7 *0.5*
mm *inch*	25.4 *1*	25.4 *1*
mm *inch*	25.4 *1*	25.4 *1*
mm *inch*	101.6 *4*	101.6 *4*



PR/SG620



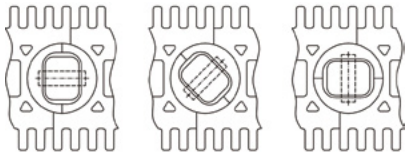
PR/LD620

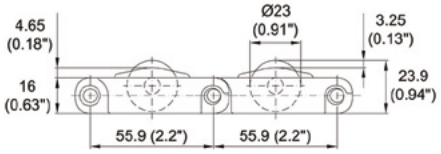
HabasitLINK®
M5482 Roller Top 2.2"

Description

- Designed for 90° transfers, various roller orientations in 15° steps available
- All rollers in one belt must have the same orientation
- Imperial belt width
- Large robust roller with diameter 23 mm *(0.9")*
- Edge distance to center line of first roller is 25.4 mm *(1")*
- Minimum free edge 15.5 mm *(0.61")*
- Roller lateral spacing 50 mm *(2")*
- 10% open area
- Smart-Fit rod retention
- Rod diameter 6 mm *(0.24")*
- Strong closed edges







Belt data

Belt material		**PP**	
Rod material		**PA**	**POM**
Roller material		**POM**	**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	20000 *1370*
Temperature range	°C *°F*	5 - 93 *40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	12.7 *2.60*	12.6 *2.58*

Admissible load per roller 2.5 kg *(5.5 lb)* is equal to 900 kg/m² *(184 lb/ft²)*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
90	*3.50*	100	*4.00*	150	*6*	150	*6*

Standard range of belt widths b_0

mm (nom.)	152	203	254	305	356	406	457	508	559	610	660	711	762	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For PP material up to 750 mm *(30")* -2 mm to 1 mm and -0.25% to 0.25% for wider belts.
Standard belt widths in increments of 50.8 mm *(2")*. Smallest possible width 152.4 mm *(6")*.

HabasitLINK®
Sprocket series M5400

M	54	S	12	60	Q	6	C1
01	02	03	04	05	06	07	

Code addition design version (function) / New Generation

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

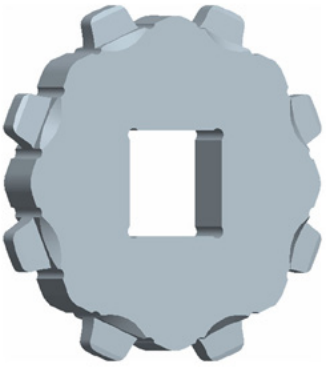
07 Material: 8 = PA; 6 = POM

08 C1 = Machined

Sprocket availability

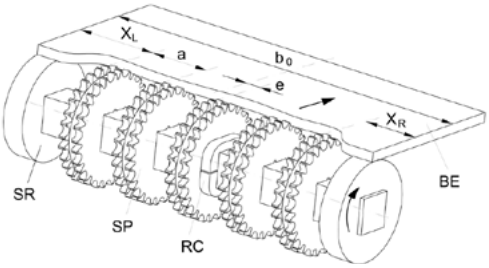
Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	9	164.0	*6.5*	76.0	*2.99*	20	*0.79*	40 / 50 / 60	*2.5*	40	*1.5*	PA
S-C1	11	199.1	*7.8*	93.9	*3.70*	20	*0.79*	40 / 60	*1.5 / 2.5*			PA
S-C1	15	269.8	*10.6*	129.9	*5.11*	20	*0.79*	60 / 90	*3.5*			PA

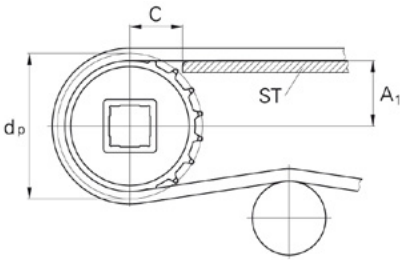
S: molded sprockets; S-C1: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.



Sprocket one-piece (solid)

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is from 65 to 90 mm *(2.5" to 3.5")*.

Wearstrips

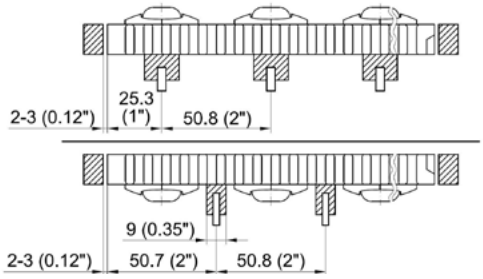
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material. The belt return supports need an accurate placement with a lateral spacing of a multiple of 50.8 mm *(2")* and a maximum wear strip or roller width of 12 mm *(0.5")*.

Sprocket positioning

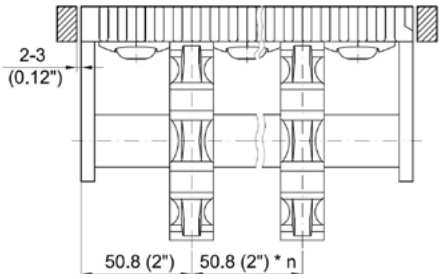
For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	maximal mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M5482	50.8 *2*	101.6 *4*	50.8 *2*	50.8 *2*	b_0 / 50.8 *b_0 / 2*	even number (2, 4, 6 ...)	*0* *0*	no offset
						odd number (3, 5, 7 ...)	*25.4* *1*	right or left side

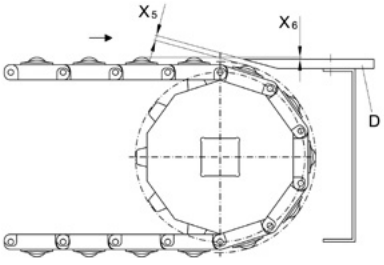
In addition to the sprockets it is recommended to use support rollers at the belt edges on drive and idling side.



Belt return positioning.



Alternative returnway with support sprockets.



Adjust X_6 dependent on infeed or discharge operation and maintain a minimum clearance X_5 between roller and transferplate.

Numbers of sprockets and wearstrips for M5482

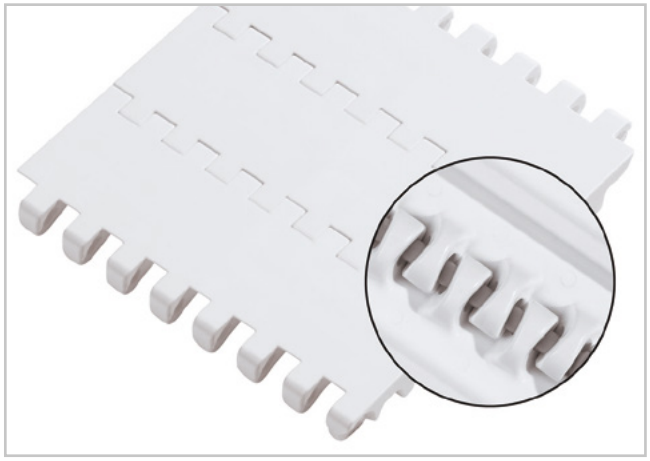
Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
inch	mm	min. number	Carryway (top)	Returnway (bottom)
6	152	2	2	2
8	202	3	3	2
10	254	3	3	3
12	304	3	3	3
14	355	3	4	3
16	406	3	4	3
18	456	3	4	3
20	507	3	4	3
22	558	4	5	3
24	609	5	5	3
26	660	5	5	4
28	710	5	5	5
30	761	5	6	5
32	812	5	6	5
34	863	6	6	5
36	914	7	6	5
38	964	7	7	5
40	1015	7	7	5
42	1066	7	7	6
44	1118	7	7	7
46	1168	8	8	7
48	1219	9	8	7
50	1270	9	8	7
52	1320	9	8	7
54	1371	9	9	7
56	1422	9	9	7
58	1472	9	9	7
60	1523	9	9	7
62	1574	11	10	8
64	1625	11	10	8

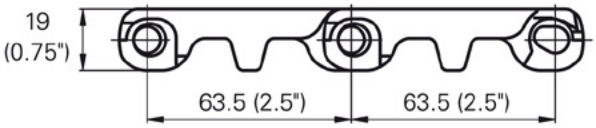
The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
M6360 Flat Top 2.5"

Description
- 0% open area
- Solid plate
- Imperial belt width
- Dynamic open hinge, easy to clean
- Strong link design (*1"* link-pitch)
- Rod diameter 8 mm *(0.32")*
- Smart Fit rod retention
- Food approved materials available

Available accessories
- Flights





Belt data

Belt material		WHI
Rod material		WHI
Nominal tensile strength F'_N straight run	N/m *lb/ft*	52000 *3562*
Temperature range	°C *°F*	-40 - 110 *-40 - 230*
Belt weight m_B	kg/m² *lb/sqft*	14.80 *3.03*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	150	*6*	150	*6*

Standard range of belt widths b_0

mm (nom.)	101	203	304	406	508	609	711	813	914	1016	1117	1219	1321	etc.
inch (nom.)	*4.0*	*8.0*	*12.0*	*16.0*	*20.0*	*24.0*	*28.0*	*32.0*	*36.0*	*40.0*	*44.0*	*48.0*	*52.0*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments *4.0*" (101 mm). Non-standard widths are offered in increments of *1.0*" (25.4 mm) Smallest possible width *4.0*" (101 mm).

HabasitLINK®
Sprocket series M6300

Code addition design version (function) / New Generation

M	63	S	13	60	Q	6	C1
01	02	03	04	05	06	07	08

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

07 Material: 8 = PA; 6 = POM

08 C1 = Machined (same shape and function as molded version 1)

Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_p		A_1		Hub width B_L		Square bore Q		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S	6	127.6	*5.0*	56.6	*2.23*	40	*1.57*	40	*1.5*	POM
S	8	166.7	*6.6*	76.5	*3.01*	40	*1.57*	40	*1.5*	POM
S	10	206.4	*8.1*	96.7	*3.81*	40	*1.57*	40 / 60	*1.5*	POM
S	13	266.6	*10.5*	127.3	*5.01*	40	*1.57*	60	*2.5*	POM

S: molded sprockets; S-C1: machined sprockets.. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.

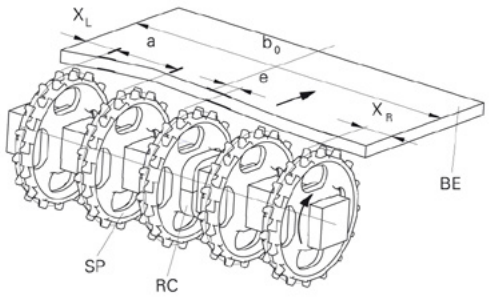


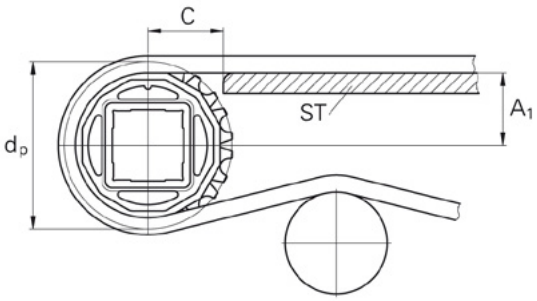
Sprocket one-piece ("open window")



Sprocket one-piece (solid)

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 66 mm *(2.6")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M6360	50.8 *2*	152.4 *6*	38 *1.5*	38 *1.5*	b_0 / 25.4 *b_0 / 1*	even number (2, 4, 6 ...)	12.7 *0.5*	right or left side
						odd number (3, 5, 7 ...)	0 *0*	no offset

Numbers of sprockets and wearstrips for M6300

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
102	*4*	1	2	2
203	*8*	2	2	2
305	*12*	2	3	2
406	*16*	3	3	3
508	*20*	3	3	3
610	*24*	3	4	3
711	*28*	5	4	3
813	*32*	5	5	3
914	*36*	5	5	4
1'016	*40*	7	6	4
1'118	*44*	7	6	4
1'219	*48*	7	7	5
1'321	*52*	9	7	5
1'422	*56*	9	7	5
1'524	*60*	9	8	5
1'626	*64*	11	8	6
1'727	*68*	11	8	6
1'829	*72*	11	9	6
1'930	*76*	13	9	6
2'032	*80*	13	9	7
2'134	*84*	13	10	7
2'235	*88*	15	10	7
2'337	*92*	15	10	7
2'438	*96*	15	11	8
2'540	*100*	17	11	8

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M6300

HabasitLINK® modular belts are available with flights to convey products on inclined conveyors. The flight modules are injection-molded one-piece designs that, when installed, become an integral part of the belt. Flight modules for this belt series are available with flat surface only (without ribs).

Code: xx = height of flight:
50 mm = 05
100 mm = 10
150 mm = 15

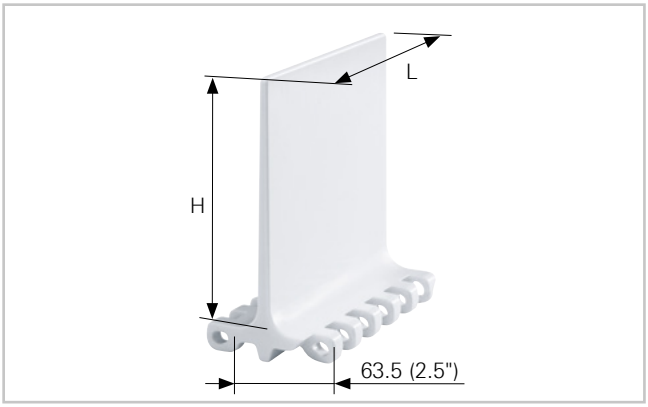
Note: All flights have open hinge design (USDA).

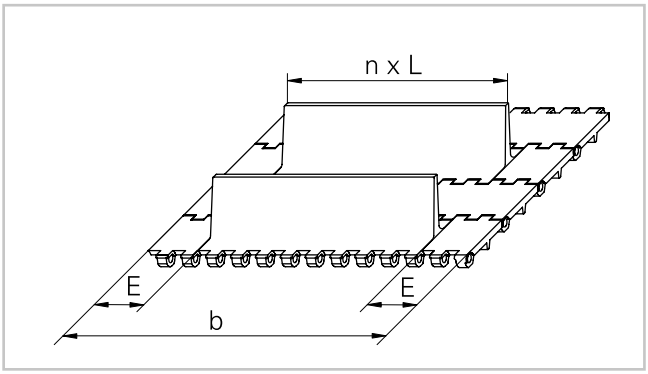
	Flights straight	
Code flight side guard	**M6360Fxx (xx= height)**	
	height H	length L
mm *inch*	50.8 *2*	152 *6*
mm *inch*	101 *4*	101 *4*
mm *inch*	152 *6*	152 6

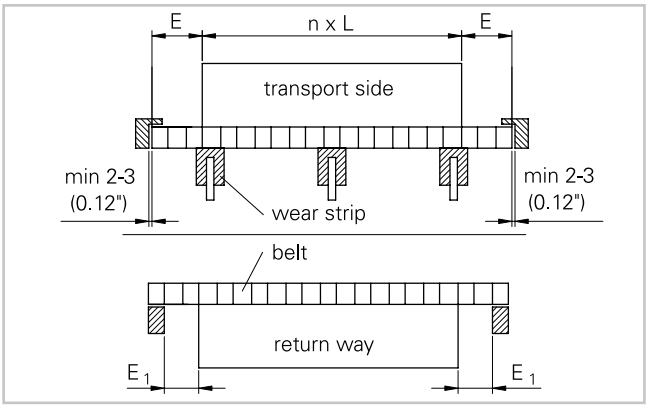
All flights can be cut to lower height (min 25 mm) for high-impact applications.

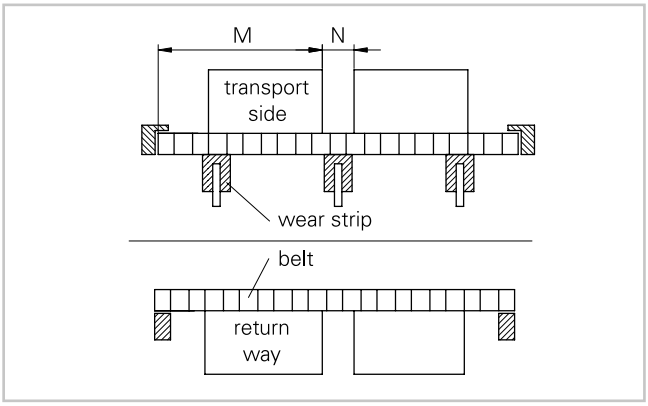
Indents (E)
The flight indent E is the distance between the edge of the belt and the edge of the flight. It is required for adequate support of the belt on its return way and hold-down during back-bending applications (elevators).
On short conveyors or with special support structure, the flights may also be applied over the full belt width (E = 0).
Indents are possible in widths as multiples of *1*" (25.4 mm), min *2*" (50.8 mm)

Notch (N)
The notch N is a gap in each row of flights, longitudinally aligned to allow the support of belts wider than 600 mm *(24")* on their return way or in back-bending applications. The notch width (N) and the distance (M) from the belt edge is a multiple of the link increment 25.4 mm *(1")*. For M6300 series the minimum notch width is 50.8 mm *(2")*.









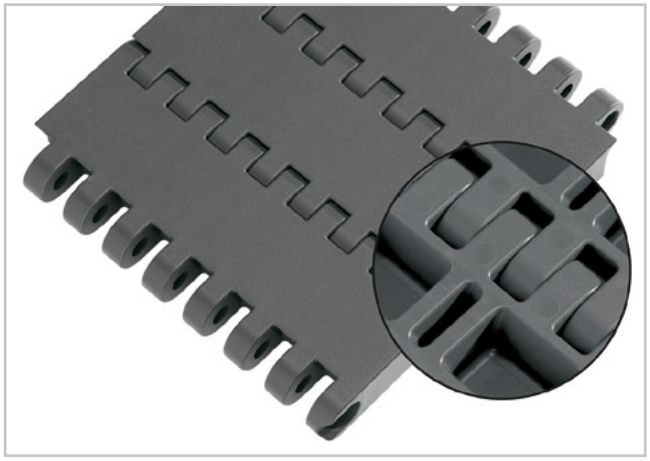
HabasitLINK®
M6420 Flat Top Heavy Duty 2.5"

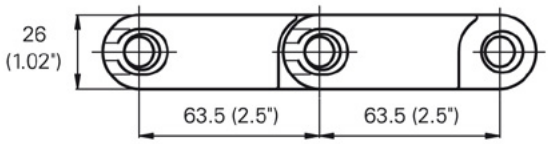
Description

- Heavy duty belt
- 26 mm *(1")* thick
- Extremely strong and stiff
- 0% open area
- Closed hinge
- Rod diameter 10 mm *(0.39")*
- Smart Fit rod retention
- Rough surface
- Antistatic materials available

Available accessories

- Skid guard module
- Stopper module





Belt data

Belt material		POM+AS	
Rod material		PA	Steel
Nominal tensile strength F'_N straight run	N/m *lb/ft*	100000 *6854*	100000 *6854*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	26.8 *5.49*	34.8 *7.14*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	200	*8*	200	*8*

Standard range of belt widths b_0

mm (nom.)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	etc.
inch (nom.)	*3.9*	*7.9*	*11.8*	*15.7*	*19.7*	*23.6*	*27.6*	*31.5*	*35.4*	*39.4*	*43.3*	*47.2*	*51.2*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
For POM material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
Standard belt widths in increments of 100 mm *(3.9")*. Non-standard widths are offered in increments of 50 mm *(2")*. Non-bricklayed belts 100 mm *(3.9")* and 200 mm *(7.9")*.

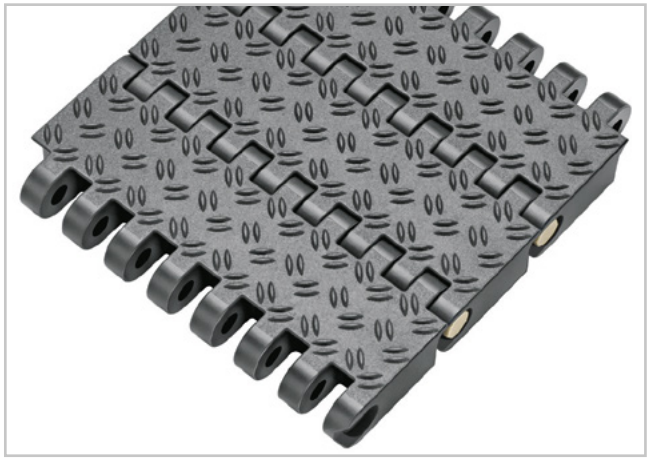
HabasitLINK®
M6423 Non Slip 2.5"

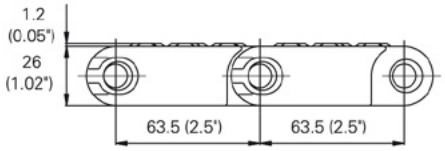
Description

- Heavy duty belt extremely strong and stiff
- 0% open area
- Closed hinge
- Rod diameter 10 mm *(0.39")*
- Smart Fit rod retention
- Non Slip profile for people mover applications
- Standard belt material is antistatic
- Electro conductive and flame retardant materials available
- Steel rods available

Available accessories

- Skid guard module
- Stopper module





Belt data

Belt material		POM+AS	
Rod material		PA	Steel
Nominal tensile strength F'_N straight run	N/m *lb/ft*	100000 *6854*	100000 *6854*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	27.6 *5.66*	35.6 *7.30*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	200	*8*	200	*8*

Standard range of belt widths b_0

mm (nom.)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	etc.
inch (nom.)	*3.9*	*7.9*	*11.8*	*15.7*	*19.7*	*23.6*	*27.6*	*31.5*	*35.4*	*39.4*	*43.3*	*47.2*	*51.2*	*etc.*

Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 100 mm *(3.9")*. Non-standard widths are offered in increments of 50 mm *(2")*. Non-bricklayed belts 100 mm *(3.9")* and 200 mm *(7.9")*.

HabasitLINK®
M6424 Non Slip Perforated 2.5"

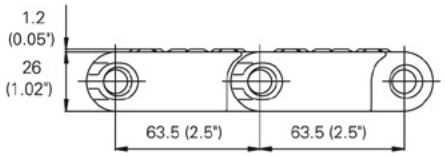
Description

- Heavy duty belt extremely strong and stiff
- 10% open area suitable for car water test lines
- Closed hinge
- Rod diameter 10 mm (0.39")
- Smart Fit rod retention
- Non Slip profile for people mover applications
- Steel rods available
- Antistatic version available

Available accessories

- Skid guard module
- Stopper module





Belt data

Belt material		POM	
Rod material		**Steel**	**PA**
Nominal tensile strength F'_N straight run	N/m *lb/ft*	90000 *6169*	88000 *6032*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	34.1 *6.99*	25.9 *5.31*

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	200	*8*	200	*8*

Standard range of belt widths b_0

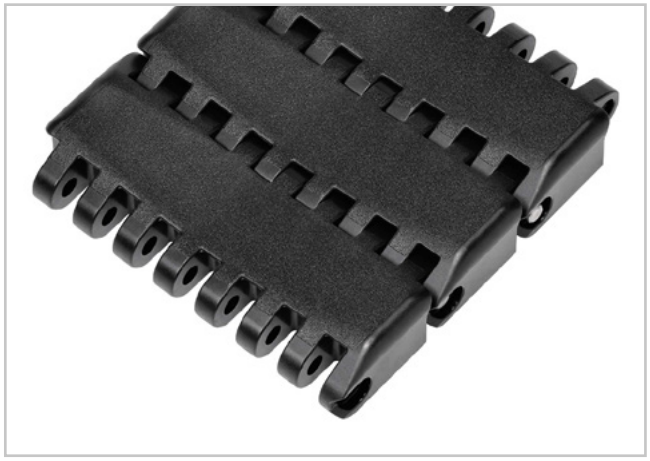
mm (nom.)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	etc.
inch (nom.)	*3.9*	*7.9*	*11.8*	*15.7*	*19.7*	*23.6*	*27.6*	*31.5*	*35.4*	*39.4*	*43.3*	*47.2*	*51.2*	*etc.*

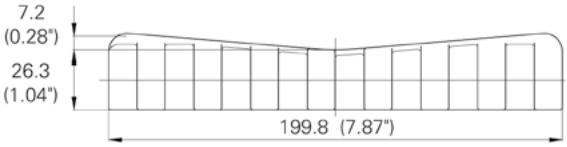
Actual belt widths are in most cases 0.1% to 0.3% smaller.
Standard belt widths in increments of 100 mm *(3.9")*. Non-standard widths are offered in increments of 50 mm *(2")*. Non-bricklayed belts 100 mm *(3.9")* and 200 mm *(7.9")*.

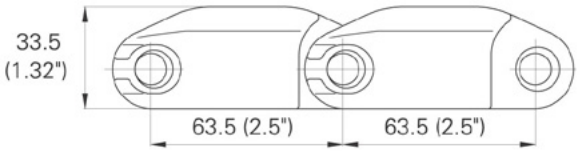
HabasitLINK®
M6425 Reel Top 2.5" MTW

Description

- Heavy duty belt for paper roll conveying
- 200 mm *(8")* wide
- Reel Top with 4.7° angle
- Surface optimized for gentle handling of paper
- 0% open area
- Closed hinge
- Rod diameter 10 mm *(0.39")*
- Smart Fit rod retention
- Steel rods available







Belt data

	Nominal belt width b_0		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	*inch*			N	*lbf*	kg/m	*lb/ft*
M6425U20	200.0	*8.0*	POM	Steel	22000	*4950*	7.70	*5.20*
M6425U20	200.0	*8.0*	POM	PA	20000	*4500*	6.10	*4.10*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without side guards or hold down devices (minimum)	
mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
100	*4.00*	100	*4.00*	200	*8*	200	*8*

Actual belt widths are in most cases 0.1% to 0.3% smaller.

Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	*-40 °F to +200 °F*

HabasitLINK®
Sprocket series M6400

M	64	S	15	60	Q	8	C1
01	02	03	04	05	06	07	08

Code addition design version (function) / New Generation

01 M = Modular belts

02 Belt pitch

03 S = sprocket one-piece; Z = split sprocket

04 Number of teeth

05 Shaft size

06 Shaft type: Q = square shaft; R = round shaft

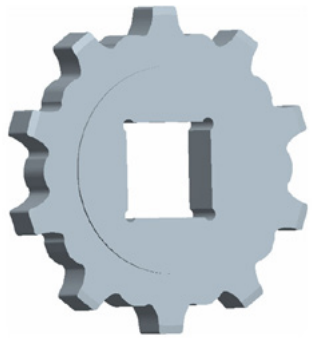
07 Material: 8 = PA; 6 = POM

08 C1 = Machined (same shape and function as molded version 1)

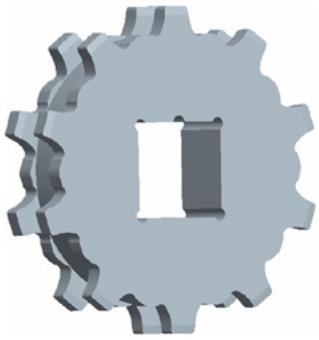
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø d_o		A_1		Hub width B_1		Square bore Q		Ø Round bore R		Standard material
		mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	-
S-C1	10	206.4	*8.1*	94.6	*3.72*	27	*1.06*	40 / 60 / 90	*1.5 / 2.5 / 3.5*	30 / 40 / 60	*1 / 1.5 / 2.5*	PA
S-C1	13	266.4	*10.5*	125.8	*4.95*	27	*1.06*	40 / 60 / 90	*1.5 / 2.5 / 3.5*	30 / 40 / 60	*1 / 1.5 / 2.5*	PA
S-C1	15	306.7	*12.1*	146.7	*5.78*	27	*1.06*	120 / 40 / 60 / 90	*1.5 / 2.5 / 3.5 / 4.5*	30 / 40 / 60 / 90	*1 / 1.5 / 2.5*	PA
S-C1	20	407.6	*16.1*	199.2	*7.84*	27	*1.06*	120 / 40 / 60 / 90	*1.5 / 2.5 / 3.5 / 4.5*	30 / 40 / 60 / 90	*1 / 1.5 / 2.5*	PA

S-C1: machined sprockets. Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.
Other materials available on request.



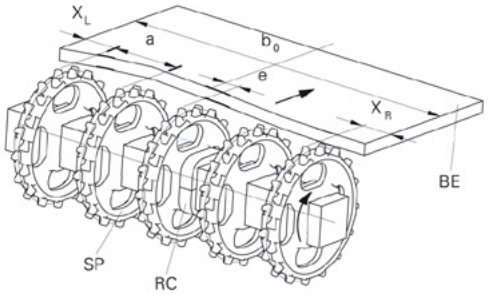
Sprocket one-piece (solid)

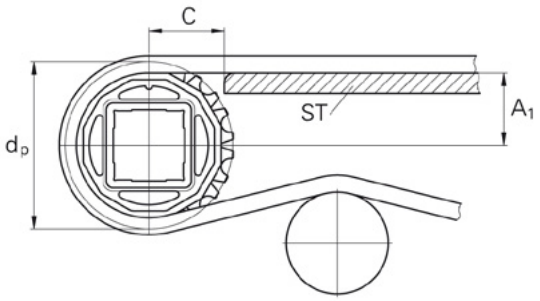


Sprocket one-piece double-row (solid)

For a 100 mm wide belt double-row sprockets are recommended.

Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 belt width

The distance **C** between the sprocket axis and the slider support **ST** is minimal 66 mm *(2.6")*.

Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

Sprocket positioning

For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

Belt type	Sprocket spacing a		Sprocket edge distance (maximal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm *inch*	**maximal** mm *inch*	X_L mm *inch*	X_R mm *inch*	mm *inch*		mm *inch*	Offset to which side
M6420	50	150	25	25	b_0 / 50	even number (2, 4, 6 ...)	25	right or left side
	2	*6*	*1*	*1*	*b_0 / 1.97*		*1*	
			(50)*	(50)*		odd number (3, 5, 7 ...)	0	no offset
			*(2)**	*(2)**			*0*	

*Sprocket one-piece double-row

Numbers of sprockets and wearstrips for M6400

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
100	*4*	1	2	2
200	*8*	2	2	2
300	*12*	2	3	3
400	*16*	3	3	3
500	*20*	3	4	3
600	*24*	3	4	3
700	*28*	5	5	4
800	*32*	5	5	4
900	*36*	5	6	5
1’000	*40*	7	6	5
1’100	*43*	7	7	5
1’200	*47*	7	7	5
1’300	*51*	9	8	6
1’400	*55*	9	8	6
1’500	*59*	9	9	7
1’600	*63*	11	9	7
1’700	*67*	11	10	7
1’800	*71*	11	10	7
1’900	*75*	13	11	8
2’000	*79*	13	11	8
2’100	*83*	13	12	9
2’200	*87*	15	12	9
2’300	*91*	15	13	10
2’400	*94*	15	13	10
2’500	*98*	17	14	10
2’600	*102*	17	14	10
2’700	*106*	17	15	11
2’800	*110*	19	15	11
2’900	*114*	19	16	12
3’000	*118*	19	16	12

The number of sprockets depends on the belt load and may be different for driving and idling shafts.
For calculation of correct sprocket number please use LINK-SeleCalc.

HabasitLINK®
Accessories for series M6400

M6400 skid guard modules have been developed for longitudinal skid conveying applications to avoid move off from 100 mm wide belts.
The admissible tensile strength is limited to 60,000 N/m (*4,111 lbf/ft*).



Skid guard module
M6420XB1

Tire stopper modules are developed to keep car tires on a defined position on a belt. The modules are an integral part of the entire belt.
The admissible tensile strength is limited to 60,000 N/m (*4,111 lbf/ft*).



Stopper module
M6420S04

Standard belt materials

Material	Code	Description	Density g/cm³	Temperature range
Polypropylene	PP	Thermoplastic material with a good price/performance ratio (material for most common conveying applications). Excellent chemical resistance to acids and alkalines. * High impacts below 10 °C *(50 °F)* must be avoided.	0.9	+5 °C to +105 °C (*) *+40 °F to +220 °F (*)*
Polyethylene	PE	Thermoplastic material well-suited for very low temperatures and/or high impact applications. Excellent chemical resistance to acids and alkalines. Not suitable for abrasive applications. * Below -40 °C *(-40 °F)*, thermal belt shrinkage requires a sprocket pitch diameter adaptation.	0.94	-70 °C to +65 °C (*) *-94 °F to +150 °F (*)*
Polyoxymethylene (Acetal)	POM	Thermoplastic material with high strength and a low coefficient of friction. Impact and cut resistant surface. Suitable for heavy duty applications and low temperatures. Good chemical resistance to oil and alkalines, but not suitable for long-term contact with high concentrations of acids and chlorine.	1.42	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Polyamide (Nylon)	PA	Thermoplastic material with high strength and abrasion resistance. Suitable for heavy duty applications in dry conditions and at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures.	1.14	Wet conditions: not recommended Dry conditions: -46 °C to +130 °C (short-term +160 °C) *-50 °F to +266 °F* *(short-term +320 °F)*
Wear, Hydrolysis and Impact resistant material Polyketone	WHI	Thermoplastic material with very good wear and impact resistance, good hydrolysis and chemical resistance. Low moisture absorption and suitable for direct food contact.	1.24	Wet condition -50 °C to +80 °C *-58 °F to +176 °F* Dry condition -50 °C to +110 °C *-58 °F to +230 °F*

For detailed declarations on compliance by material and color, please contact Habasit.

Special belt materials

Material	Code	Description	Density g/cm³	Temperature range
Antistatic Polypropylene	PP +AS	Thermoplastic material with reduced electrical surface resistance to reduce dust accumulation and belt charge-up. * High impacts below 10 °C *(50 °F)* must be avoided.	0.9	+5 °C to +105 °C (*) *+40 °F to +220 °F (*)*
Detectable Polypropylene	PP +DE	Thermoplastic material with a special additive which makes the material easily detectable (by X-rays and metal detectors). Excellent chemical resistance to acids and alkalis. * High impacts below 10 °C *(50 °F)* must be avoided.	1.09	+5 °C to + 105 °C (*) *+40 °F to 220 °F (*)*
Electrically conductive Polypropylene	PP +EC	Thermoplastic material with low electrical surface and volume resistance. Electrical resistance meets DIN EN 61340 for ESD safety areas.	1.02	+5 °C to +105 °C *+40 °F to +220 °F*
Electrically conductive and flame retardant Polypropylene	PP +FC	Thermoplastic material with a combination of low electrical resistance and very good flame retardant properties. Burning behavior classified as Cfl-S1 according to DIN EN 13501, (comparable to former DIN 4102 B1). Halogen-free, conforms with RoHS. Electrical resistance meets DIN EN 61340 for ESD safety areas.	1.08	+5 °C to +80 °C *+40 °F to +176 °F*
Flame retardant Polypropylene	PP +FR	Flame retardant thermoplastic material for most common conveying applications with special demands for low flammability. Burning behavior classified as Cfl-S1 according to DIN EN 13501, (comparable to former DIN 4102 B1). Halogen-free, conforms with RoHS. * High impacts below 10 °C *(50 °F)* must be avoided.	1.05	+5 °C to +105 °C (*) *+40 °F to +220 °F (*)*
Submersible Polypropylene	PP +GH	Thermoplastic material with a density that allows the material to sink in water. Good chemical and hot water resistance, which permits continuous use in boiling water. Stabilized against oxidation and embrittlement. * High impacts below 10 °C *(50 °F)* must be avoided. For details on chemical resistance, please contact Habasit.	1.24	+ 5 °C to + 105 °C (*) *+40 °F to + 220 °F (*)*
Hot water resistant Polypropylene	PP +HW	Stabilized thermoplastic material with improved resistance against oxidation and embrittlement.	0.9	+ 5 °C to + 105 °C *+40 °F to + 220 °F*
HabaGUARD® Polypropylene	PP +H15	Thermoplastic material containing an antimicrobial additive, with excellent chemical resistance to acids and alkalis.	0.9	+5 °C to +30 °C *+40 °F to +86 °F*

For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Density g/cm³	Temperature range
HabaGUARD® Polyethylene	PE +H15	Thermoplastic material containing an antimicrobial additive, well suited for low temperatures and high impact applications. Excellent chemical resistance against acids and alkalis.	0.94	-70 °C to +30 °C *-94 °F to +86 °F*
Detectable Polyethylene	PE +DE	Thermoplastic material with a special additive, which makes the material easily detectable (by X-rays and metal detectors). Suitable for low temperature and/or high impact applications. Excellent chemical resistance to acids and alkalis. * Below -40 °C (-40 °F), thermal belt shrinkage requires a sprocket pitch diameter adaptation.	1.15	-70 °C to +65 °C (*) *-94 °F to +150 °F (*)*
Antistatic Polyoxymethylene (Acetal)	POM +AS	Thermoplastic material with reduced electrical surface resistance to reduce dust accumulation and belt charge-up. Suitable for heavy duty applications and low temperatures. Material has high strength, a low coefficient of friction and a scratch-resistant surface.	1.42	Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Detectable Polyoxymethylene (Acetal)	POM +DE	Thermoplastic material with a special additive, which makes the material easily detectable (by X-rays and metal detectors). The material has good chemical resistance against oil and alkalis, but is not suitable for long-term contact with high concentrations of acids and chlorine.	1.67	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
X-ray detectable Polyoxymethylene (Acetal)	POM +DX	Thermoplastic material with a special filler to make the material X-ray detectable.	–	Wet conditions: -40 °C to + 60 °C *-40 °F to + 140 °F* Dry conditions: -40 °C to + 93 °C *-40 °F to + 200 °F*
Electrically conductive Polyoxymethylene (Acetal)	POM +EC	Thermoplastic material with low electrical surface and volume resistance. Electrical resistance meets DIN EN 61340 for ESD safety areas. Material has high strength and a low coefficient of friction. Suitable for heavy duty applications and low temperatures.	1.42	Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Impact and cut resistant Polyoxymethylene (Acetal)	POM +IM	Thermoplastic material with an advanced impact and cut resistant surface. Suitable for meat cutting conveyors and high impact applications. Good chemical resistance to oil and alkalis, but not suitable for long-term contact with high concentrations of acids and chlorine.	1.42	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*

For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Density g/cm³	Temperature range
Fatigue resistant Polyoxymethylene (Acetal)	POM +JM	Thermoplastic material with high strength, a low coefficient of friction and improved fatigue resistance. Good chemical resistance to oil and alkalis, but not suitable for long-term contact with high concentrations of acids and chlorine.	1.42	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Low friction Polyoxaymethylene (Acetal)	POM +LF	Thermoplastic material with high strength and a low coefficient of friction. Impact and cut resistant surface. Suitable for fast running applications. Good chemical resistance to oil and alkalis, but not suitable for long-term contact with high concentrations of acids and chlorine.	1.42	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Wear resistant Polyoxymethylene (Acetal)	POM +PK	Extra wear resistant thermoplastic material with high strength, a low coefficient of friction and very good fatigue resistance. Good chemical resistance to oil and alkalis, but not suitable for long-term contact with high concentrations of acids and chlorine.	1.42	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
UV stabilized Polyoxymethylene (Acetal)	POM +UV	Thermoplastic material with improved resistance against UV radiation, especially for outdoor applications. The material has high strength and a low coefficient of friction. It is suitable for heavy duty applications and low temperatures.	1.42	Wet conditions: -40 °C to + 60 °C *-40 °F to + 140 °F* Dry conditions: -40 °C to + 93 °C *-40 °F to + 200 °F*

For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Density g/cm³	Temperature range
Reinforced Polyamide (Nylon)	PA +GF	Reinforced thermoplastic material with high strength. Suitable for heavy conveying applications in dry conditions and at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures.	1.35	Wet conditions: not recommended Dry conditions: -40 °C to +145 °C (short-term +175 °C) *-40 °F to +293 °F (short-term +347 °F)*
Reinforced Polyamide (Nylon)	PA +HT	Reinforced thermoplastic material with very high strength and toughness. Suitable for heavy conveying applications in dry conditions and at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures.	1.37	Wet conditions: not recommended Dry conditions: -40 °C to +170 °C (short-term +200 °C) *-40 °F to +338 °F (short-term +392 °F)*
Reinforced non-stick Polyamide (Nylon)	PA +HN	Reinforced non-stick thermoplastic material with high strength. Suitable for heavy conveying applications in dry conditions and at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures.	1.41	Wet conditions: not recommended Dry conditions: -40 °C to +170 °C (short-term +200 °C) *-40 °F to +338 °F (short-term +392 °F)*
Impact resistant Polyamide (Nylon)	PA +IM	Tough thermoplastic material with good strength and fatigue resistance. Suitable for heavy conveying applications with high impact loads. The belt properties and dimensions change with moisture absorption. The material can replace impact resistant acetal in impact intensive applications, but is more susceptible to cuts. In wet environments, dimensional changes need to be considered.	1.08	Wet conditions: -46 °C to +60 °C *-50 °F to +140 °F* Dry conditions: -46 °C to +80 °C *-50 °F to +176 °F*
Food contact approved, flame retardant Polyamide (Nylon)	PA+FRF	Thermoplastic material with good dimension stability, low moisture absorption and low flammability UL 94 V2. The material has a good strength and fatigue resistance.	1.06	Wet conditions: -46 °C to +60 °C *-51 °F to +140 °F* Dry conditions: -46 °C to +90 °C (short term 120°C) *-51 °F to +194 °F (short term 248°F)*

For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Density g/cm³	Temperature range
Super high temperature	ST	Reinforced thermoplastic material with very good heat and hydrolysis resistance. Suitable for light conveying applications at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures. Flammability UL 94 V0.	1.65	Wet conditions: on request Dry conditions: 0 °C to +200 °C (short-term +240 °C) *+32 °F to +392 °F (short-term +464 °F)*
Flame retardant Polybutylene-terephthalate	PBT +FR	Flame retardant thermoplastic material with excellent stiffness and hardness. Suitable for conveying applications with special demands for low-flammability. The material has good friction and wear properties and good dynamic long-term behavior. Flammability UL 94 V0.	1.47	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +130 °C (short-term +150 °C) *-40 °F to + 266 °F (short-term + 302 °F)*
Thermoplastic elastomer	TPE +E10 +E11 +E30 +E31 +E40 +E41	Soft thermoplastic material with a hardness of 50 Shore A. High friction and good wear resistance.	0.90	- 40 °C to + 100 °C *- 40 °F to + 212 °F*
Thermoplastic elastomer	TPE +E14 +E44 +E45	Soft thermoplastic material with a hardness of 65 Shore A. High friction and very good wear resistance.	1.16	40 °C to + 60 °C *- 40 °F to + 140 °F*
Thermoplastic elastomer	TPE +E46	Soft thermoplastic material with a hardness of 88 Shore A. Reduced friction, high wear resistance	1.21	- 40 °C to + 60 °C *- 40 °F to + 140 °F*
Thermoplastic elastomer	TPE +E47	Heat resistant, soft thermoplastic material with a hardness of 58 Shore A.	1.21	- 40 °C to + 130 °C *- 40 °F to + 266 °F* Short term contacts up to 150 °C or 302 °F
Flame retardant thermoplastic elastomer	TPE +FR	Flame retardant soft thermoplastic material with a hardness of 50 shore A. The material has high friction values and good abrasion resistance. Suitable for conveying applications where a high grip between the belt and the product is required. Used for GripTop modules. Flammability UL 94 V0.	1.25	-40 °C to +60 °C *-40 °F to +140 °F*
Thermoplastic elastomer	TPV	Soft thermoplastic material with a hardness of 55 or 72 Shore A. The material has high friction values and good abrasion resistance. Suitable for conveying applications where a high grip between the belt and the product is required. Used for GripTop modules.	0.96	-40 °C to +71 °C *-40 °F to +160 °F*

For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Temperature range
Polypropylene	PP	Thermoplastic material with excellent chemical resistance to acids, alkalis and hot water. Abrasion resistance not as good as with POM.	+5 °C to +105 °C *+40 °F to +220 °F*
Polyoxymethylene (Acetal)	POM	Lubricated thermoplastic material specially formulated for molded sprockets, with high strength and good abrasion resistance. Good chemical resistance to oil and alkalis, but not suitable for long-term contact with high concentrations of acids and chlorine.	Wet conditions: -40 °C to +60 °C *-40 °F to +140 °F* Dry conditions: -40 °C to +93 °C *-40 °F to +200 °F*
Polyamide	PA	Thermoplastic material for molded or machined sprockets with high strength and very good abrasion resistance. Suitable for heavy duty applications in dry conditions and at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures.	Wet conditions: not recommended Dry conditions: -46 °C to +130 °C (short-term +160 °C) *-50 °F to +266 °F* *(short-term +320 °F)*
Thermoplastic Polyurethane	TPU	Tough thermoplastic material for molded or machined sprockets with very good abrasion resistance. Suitable for abrasive applications in wet or dry conditions with medium loads. The material is specially formulated to reduce teeth wear to a minimum.	-20 °C to +50 °C *-4 °F to +120 °F*
Super high temperature material	ST	Reinforced thermoplastic material with very good heat and hydrolysis resistance. Suitable for light conveying applications at elevated temperatures. The material is specially modified to keep its properties stable over a long time at elevated temperatures. Flammability UL 94 V0	Wet conditions: on request Dry conditions: 0 °C to +200 °C (short-term +240 °C) *-32 °F to +392 °F* *(short-term +464 °F)*
Ultra high molecular weight Polyethylene	PE40 (PE-UHMW)	Ultra high molecular weight material for machined sprockets. Good abrasion resistance and very good chemical resistance.	-70 °C to +50 °C *-94 °F to +120 °F*

Other materials on request. For detailed declarations on compliance by material and color, please contact Habasit.

Material	Code	Description	Temperature range
Low friction ultra high molecular weight Polyethylene	TP40	High performing material for high speed and high load applications (high PxV limit). Compared to standard PE40 reduced friction, also minimized dusting and wear. Not suitable for abrasive conditions.	-70 °C to +65 °C *-94 °F to +150 °F*
Ultra high molecular weight Polyethylene	PE40 (PE-UHMW)	For heavy conveying applications (high loads); offers reduced wear and a longer lifetime. Not suitable for abrasive conditions.	-70 °C to +65 °C *-94 °F to +150 °F*
Cast Polyamide with incorporated Polymer and/or solid lubricating additives	PA6C+LF	Cast material with high molecular weight, high strength and very high wear resistance. Due to the incorporated lubricating additives the friction values are very low, and due to the high molecular weight the material is very tough and therefore very abrasion resistant. Suitable for heavy applications and high speeds. The material is hygroscopic (water adsorption should be taken into account).	-46 °C to +120 °C *-50 °F to +248 °F*

Other materials on request. For detailed declarations on compliance by material and color, please contact Habasit.

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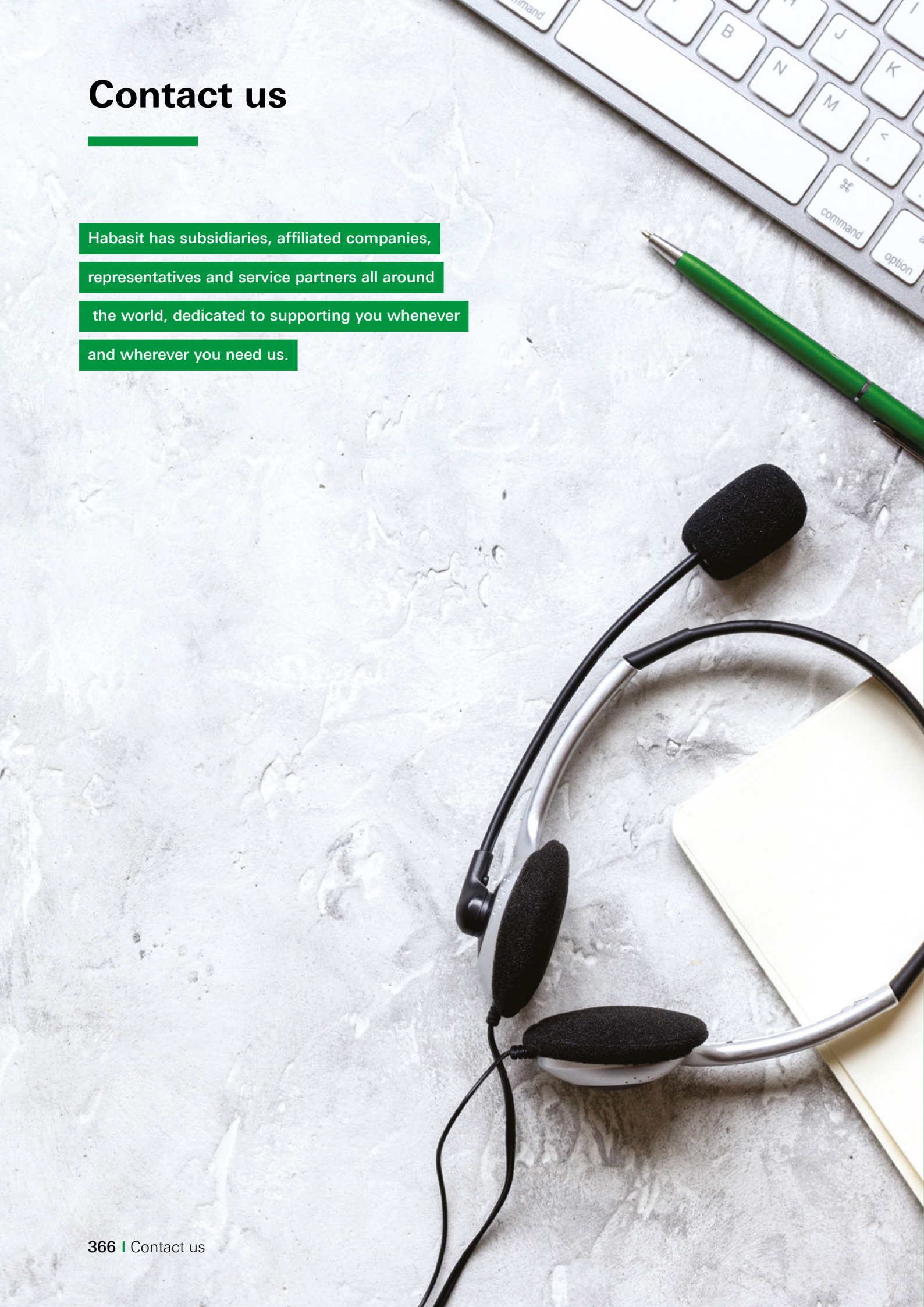
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