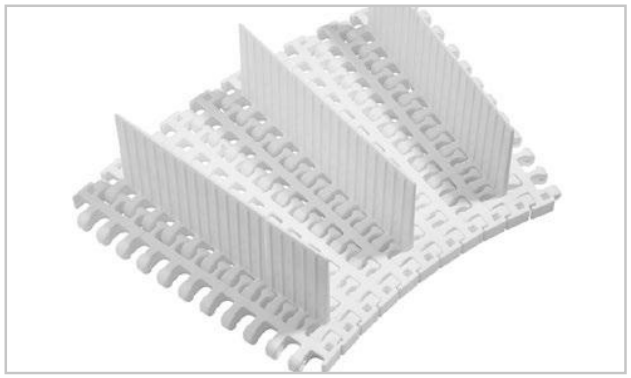
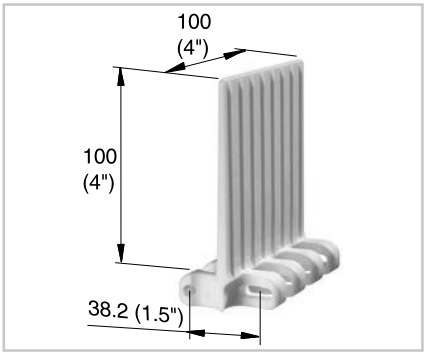
HabasitLINK® accessories – 1-1/2" pitch belting
Flights, side guards and lane dividers M3840



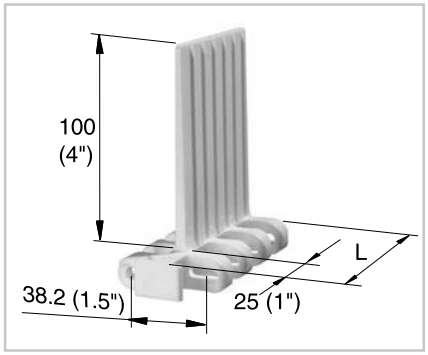
M3840 with flights

M3840 with side guards and lane dividers

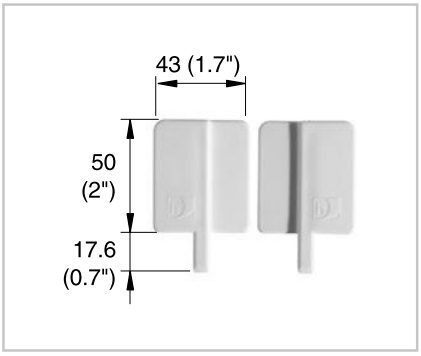
Flights are available in 100 mm *(4")* height, clip-on side guards in 50 mm *(2")* height, see illustrations below. Flights are available with ribs on one side for better release of wet or sticky food products (no-cling). They can be cut to specific width and height if required. The collapse factor remains unchanged.



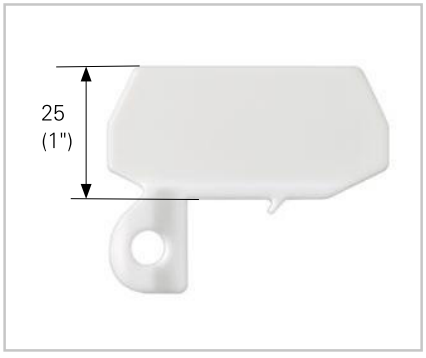
Middle flight
M3840F10



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

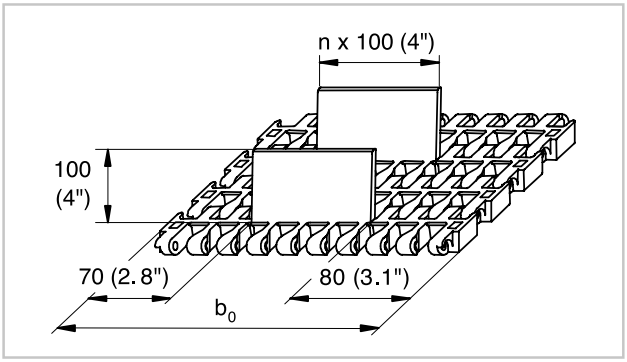
Standard range of belt widths b_0 for belts with flights

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.*

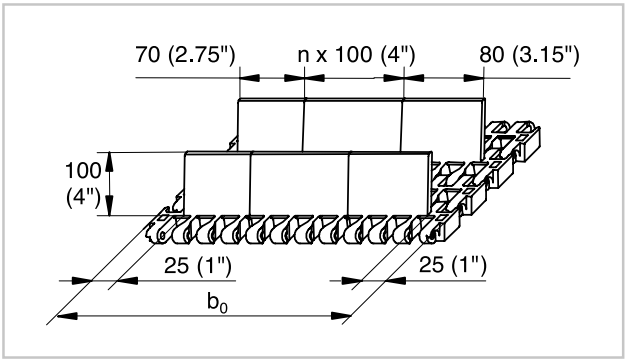
Real belt widths are in most cases 0.1% to 0.3% smaller.

Flights, side guards and lane dividers M3840

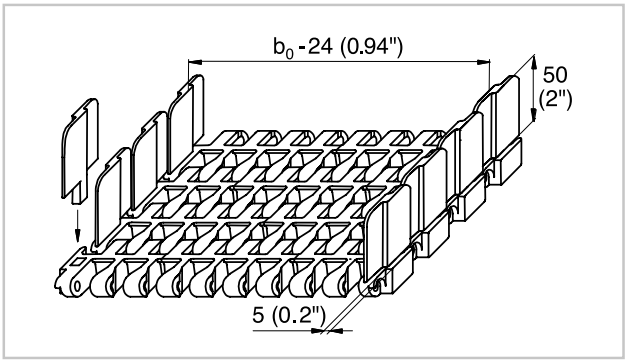
Assembly conceptions for M3840 radius belts, flights and side guards



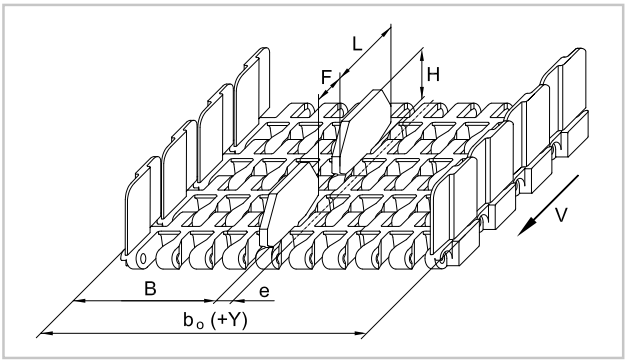
Middle flights only



Middle and edge flights



Side guards only (clip-on version)



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.

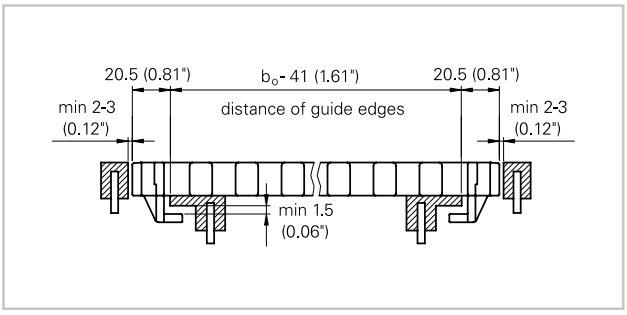
Indent	Left belt edge (running direction)	Right belt edge (running direction)
Middle flights only (no indent flights)	70 mm *(2.8")*	70 mm *(2.8")*
Middle flights and indent flights	25 mm *(1")*	25 mm *(1")*
Side guards	3.5 mm *(0.14")*	3.5 mm *(0.14")*

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.

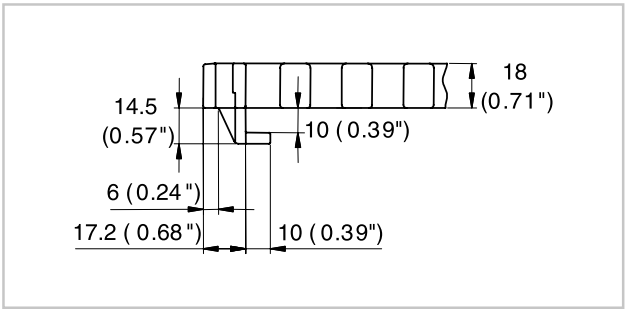
HabasitLINK® accessories – 1-1/2" pitch belting
Hold-down tabs for M3840

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).



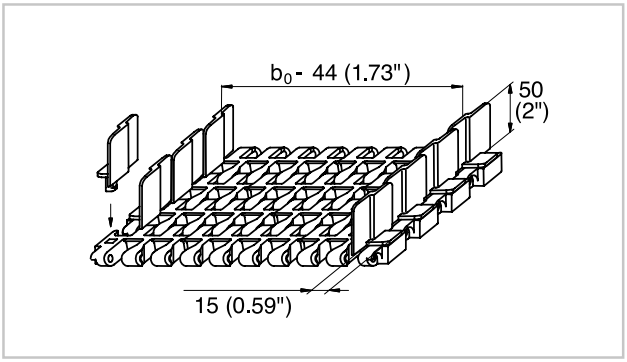
Sprocket sizes
The combination sprocket/shaft size has to be selected in such a way to avoid collision of the hold-down tabs with the shaft. Minimum sprocket sizes: M38S1240Q, M38S1260Q.

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.

HabasitLINK® accessories – 1-1/2" pitch belting
Side guards M3843

Side guards are available in 50 mm height only.

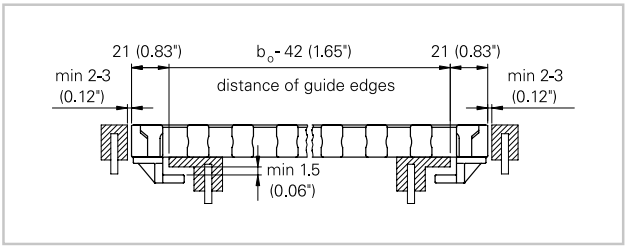
The snap-on side guards for M3843 cannot be used in combination with snap-on hold-down tabs (hooks or side tabs). To avoid the belt in the curve to flip over or slip off the inner guide rail, hold-down guides can be applied.



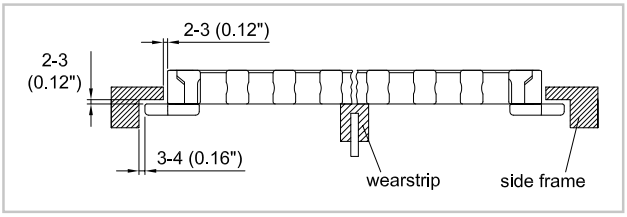
M3843 with side guards

HabasitLINK® accessories – 1-1/2" pitch belting
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.

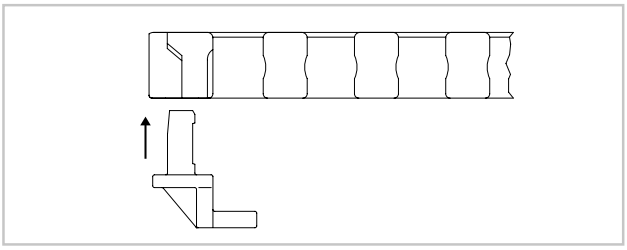


Hold-down modules (M3843H00)
Hold-down tabs are used for all applications where the products must be able to move over the belt edge.

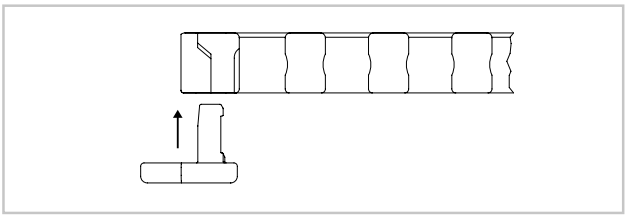


Side tabs (M3843V00)
Side tabs can be used instead of hold-down tabs for all applications where the products must be able to move over the belt edge.

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).

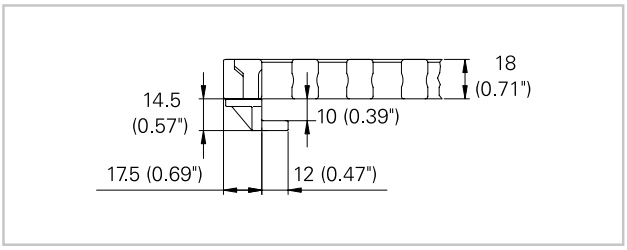


M3843H00



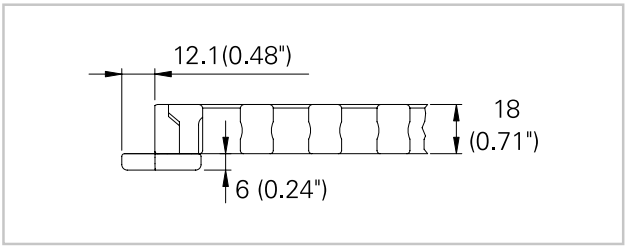
M3843V00

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.



M3843H00

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.



M3843V00