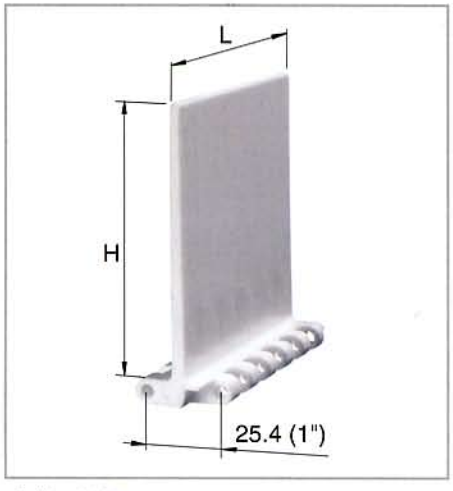
Product Data Series M2500
Flights and Sideguards Series M2500

HabasitLINK® Modular Belts are available with flights to convey products on inclined planes. 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 non-standard heights.

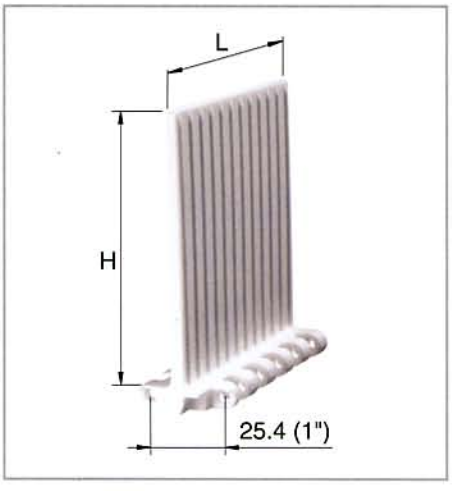
Code: xx = height of flight:

25 mm = 02 50 mm = 05
75 mm = 07 100 mm = 10

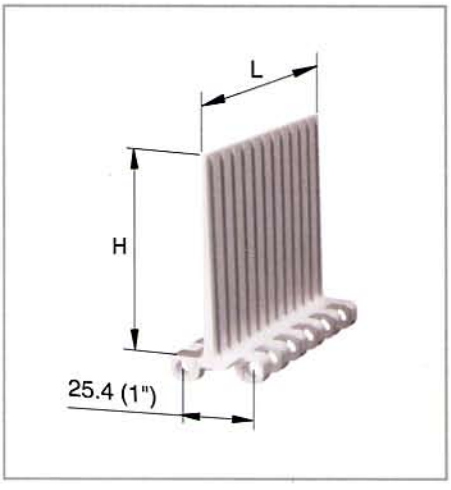
	Flat Top flights straight open hinge (USDA)		Flat Top flights straight closed hinge		Flush Grid flight corrugated open hinge (USDA)		Sideguards
Code flight sideguard	M2510Fxx (xx= code for height)		M2520Fxx (xx= code for height)		M2533F07 M253JF07		M2520G05
Applicable for belt type	M2510 M2511		M2520 M2533		M2533		all 1" belts except M2531
	height H	length L	height H	length L	height H	length L	height H
mm	25	100	25	100	–	–	–
inch	*1*	*4*	*1*	*4*			
mm	50	100	50	100	–	–	50
inch	*2*	*4*	*2*	*4*			*2*
mm	75	100	75	100	75	100	–
inch	*3*	*4*	*3*	*4*	*3*	*4*	
mm	–	–	100	100	–	–	–
inch			*4*	*4*			



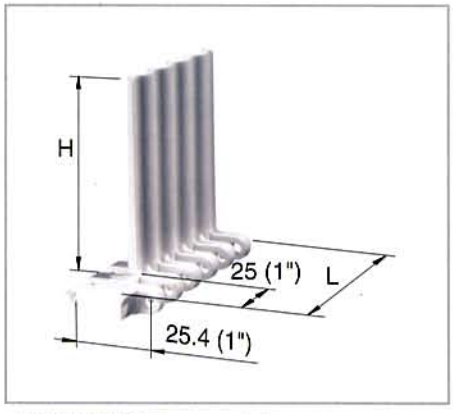
M2520Fxx
smooth side



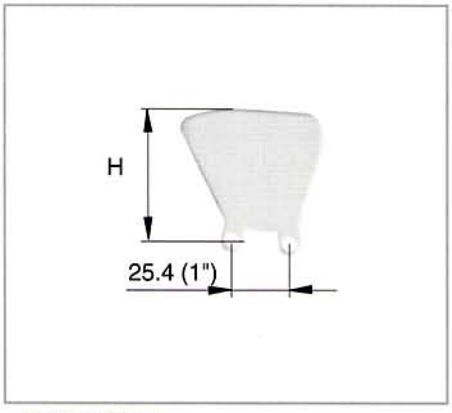
M2520Fxx
"no-cling" side (ribs)



M2510Fxx
open hinge; "no-cling" side



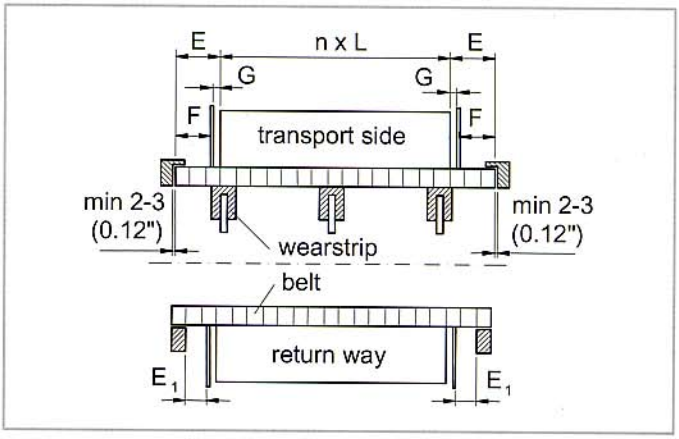
M2533JF07, open hinge;
indent flight, corrugated



M2520G05

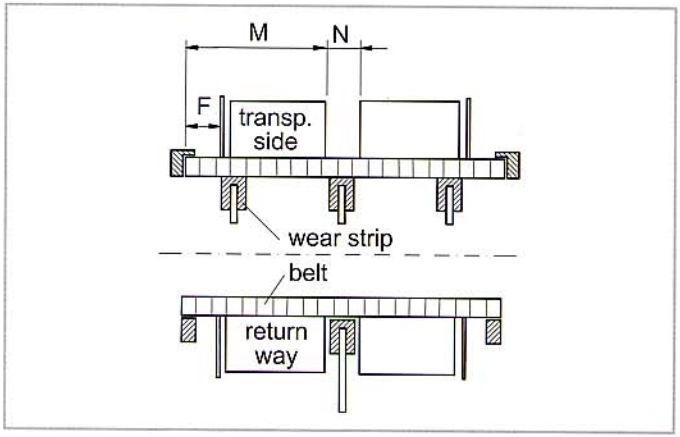
Indents (E)

The flight indent E is the distance between the edge of the belt and the edge of flight, and F is the distance between belt edge and sideguard. 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 flights 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 600 mm *(24")* on its return way or in back bending applications. The notch width (N) and the distance M from 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")*.



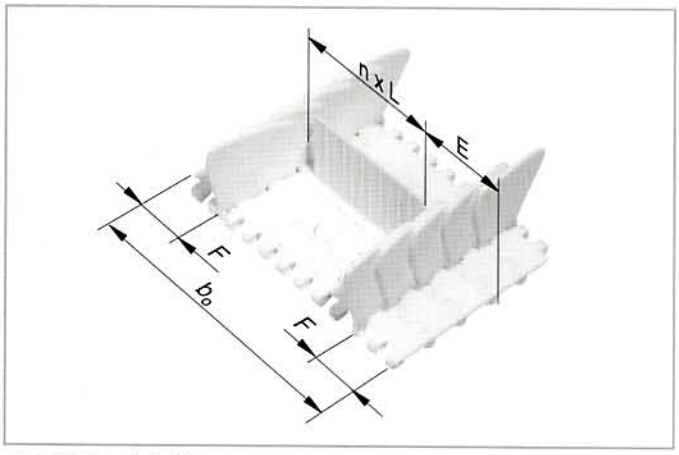
Installation of flights and sideguards; indents

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

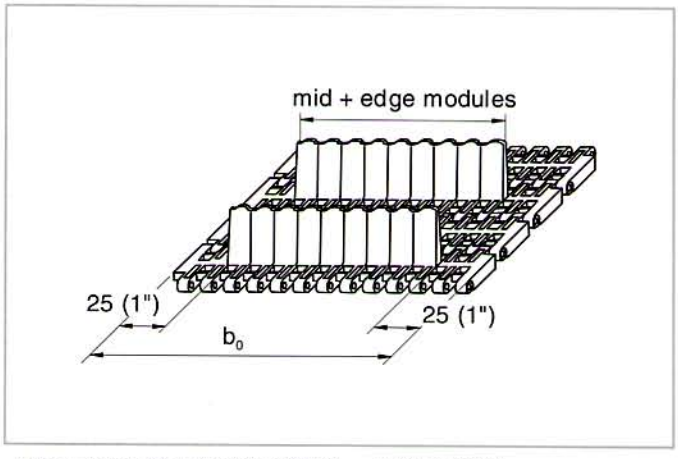
The sideguards are usually installed with a gap (G) between the sideguards and the flights. It is also possible to install the sideguards with a minimum gap between flight and sideguard of approx. 2 mm *(0.08")*.

There is a certain risk for rubbing and abrasion between the flights and the sideguards. The distance E_1 between the sideguards and the hold down- and support-shoes/wearstrips should not be smaller than 5 mm *(0.2")*. For further details see Design Guide.

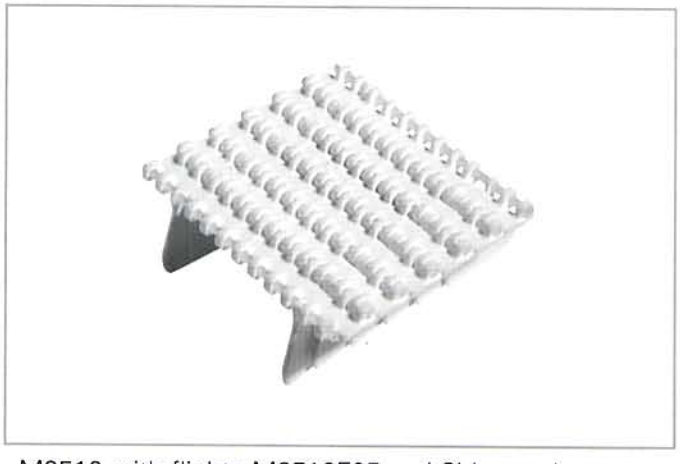
	Possible flight indents E (not for M2533F05 edge flight)									
	Flight only		Flight + Sideguard with gap (G ~ 8 mm *(0.3")*)				Flight + Sideguard without gap (G ~2 mm *(0.8")*)			
	E		E		F		E		F	
	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*	mm	*inch*
Flight over full belt width	0	*0*	–	–	–	–	–	–	–	–
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 Sideguards M2520G05 (top view)



Flush Grid flight M2533F07 + M253JF07



M2510 with flights M2510F05 and Sideguards M2520G05 (bottom view)

Product Data Series M2500
Hold Down Devices for 1" Belts, M2500V01

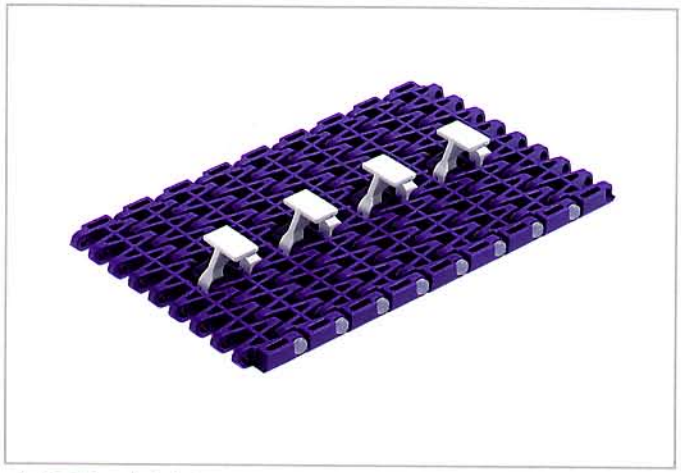
For elevators with backbending (Z-conveyors) **hold down devices** are needed to keep the belt down when it is changing from horizontal to inclined direction. For wide belts (eg. > 600 mm *(23.6")* wide) slider shoes on the belt edge are often not sufficient to keep it on the track. In such cases hold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

Compatibility: The hold down device can be assembled to any 1" HabasitLINK® straight running 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. For a center positioning consider an offset "e" of 4.2 mm. Allow the necessary distance for the sprocket engagement!

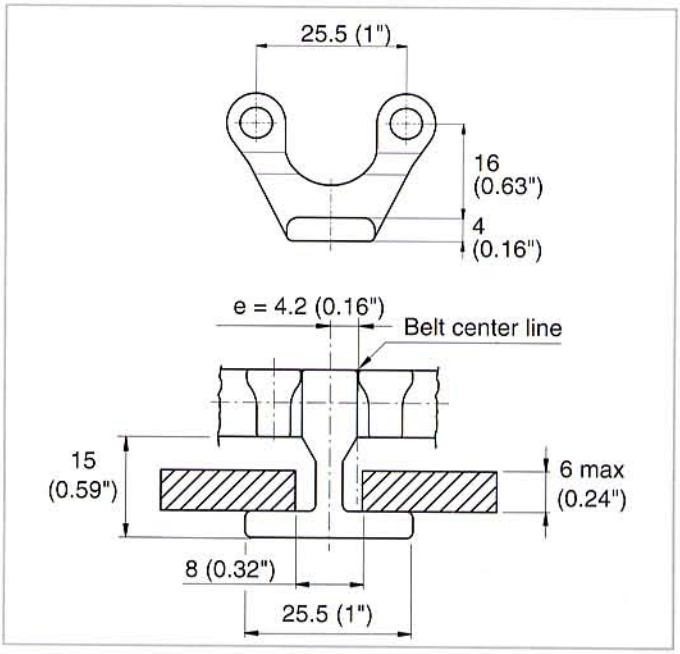
Backbending radius R: min. 250 mm *(10")*

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

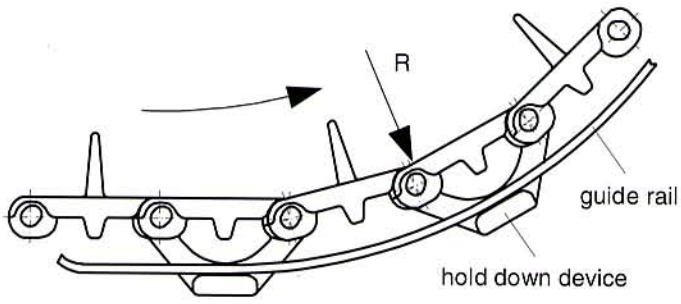
Standard materials: POM white
Other materials on request.



M2533 with M2500V01



Hold down device M2500V01



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