HabasitLINK® Sprockets - 1/2" Pitch Belting
Sprocket Series M1100

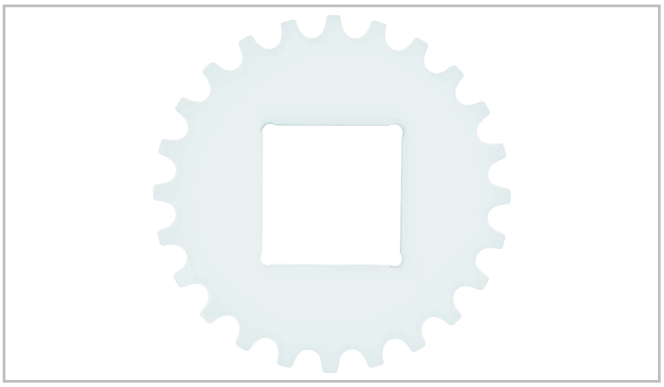
M = Modular belts
Belt pitch
S = sprocket one-piece; Z = split sprocket
Number of teeth
Shaft size
Shaft type: Q = square shaft; R = round shaft
Material: 8 = PA; 6 = POM

M 11 S 17 25 Q 8

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*	21.4	*0.84*	25	*0.98*	-	*1*	25	*1*	PA
S-C1	14	58.0	*2.3*	25.5	*1.00*	25	*0.98*	-	*1*	25	*3/4 / 1*	PA
S-C1	17	70.2	*2.8*	31.6	*1.24*	25	*0.98*	-	-	25	*3/4 / 1*	PA
S-C1	19	78.4	*3.1*	35.7	*1.41*	25	*0.98*	-	-	-	*1*	PA
S-C1	24	98.8	*3.9*	45.9	*1.80*	25	*0.98*	40	*1.5*	25	*1*	PA
S-C1	36	148.0	*5.8*	69.5	*2.74*	25	*0.98*	40 / 60	*1.5 / 2.5*	-	*1*	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 Design Guide.
Other materials available on request.



Sprocket one-piece (solid)

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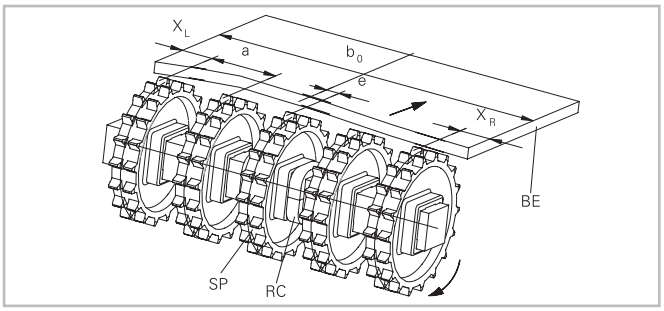
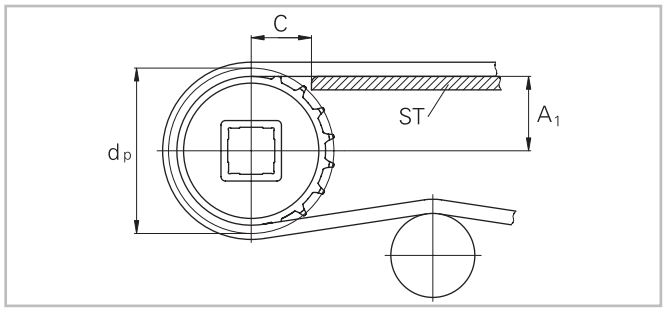
Sprocket arrangement



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 (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*	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

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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.