HabasitLINK® Sprockets - 0.3" Pitch Belting
Sprocket Series M0800

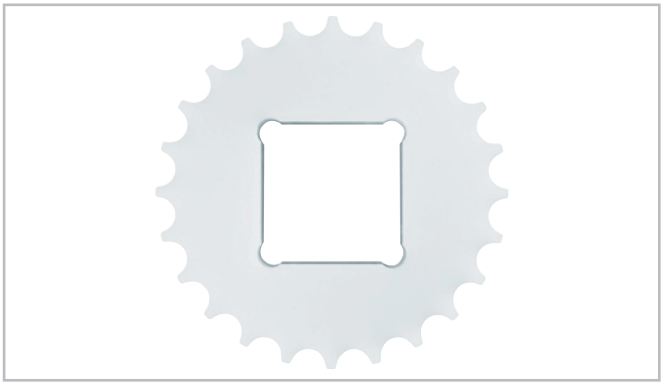
M = Modular belts
Belt pitch
S = sprocket one-piece
Number of teeth
Shaft size
Shaft type: Q = square shaft; R = round shaft
Material: 8 = PA; 6 = POM

M 08 S 24 25 Q 8

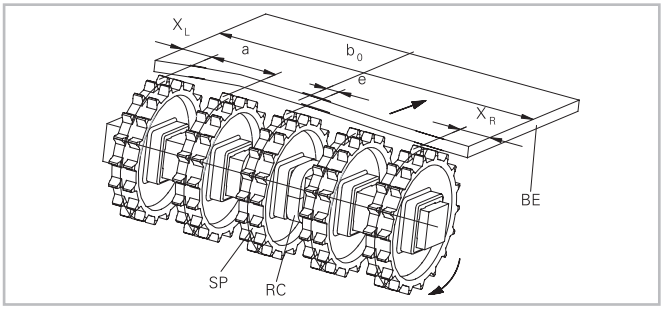
Sprocket availability

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	16	41.4	*1.62*	17.7	*0.69*	25	*1*	20	*3/4*	20	*3/4*	POM
S-C1	24	61.8	*2.43*	27.9	*1.10*	25	*1*	25	*1*	25	*1*	POM
S-C1	28	72.1	*2.83*	33.0	*1.29*	25	*1*	40	*1.5*	25	*1*	POM
S-C1	30	77.2	*3.04*	35.6	*1.40*	25	*1*	40	*1.5*	25	*1*	POM
S-C1	36	92.6	*3.65*	43.3	*1.70*	25	*1*	40	*1.5*	40	*1.5*	POM

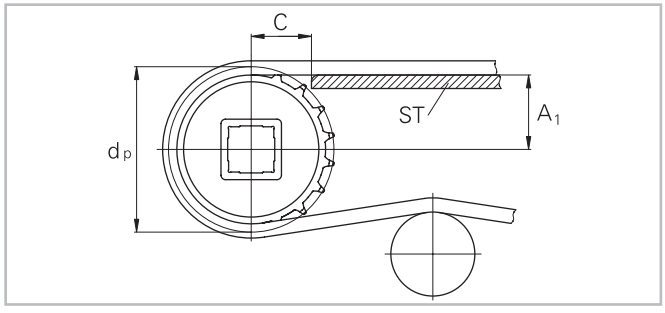
S–C1: machined sprockets: Other sprocket and hub sizes on request.
Key ways for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Design Guide.
Other materials are available on request.



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").

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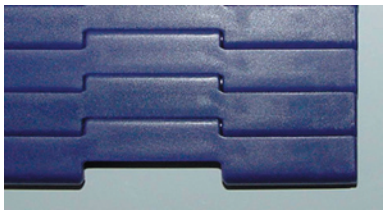
Wearstrips
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips (SL) from UHMW Polyethylene or other suitable material.

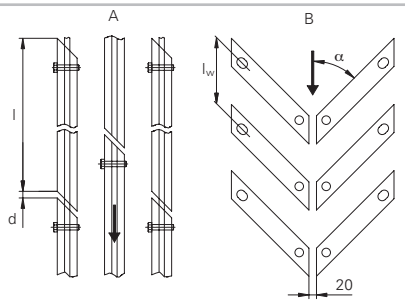
Sprocket positioning
For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be an even or an odd number. These numbers are the criteria for offset or no offset, see table.

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
M0870	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



M0870

M0870 MTW / M0873



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Numbers of sprockets and wearstrips (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*	4	2
457	*18*	6	3
610	*24*	8	4
762	*30*	10	4
914	*36*	12	5
1067	*42*	14	6
1219	*48*	16	6
1372	*54*	18	8
1524	*60*	20	8
1676	*66*	22	10
1829	*72*	24	10
1981	*78*	26	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.