

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

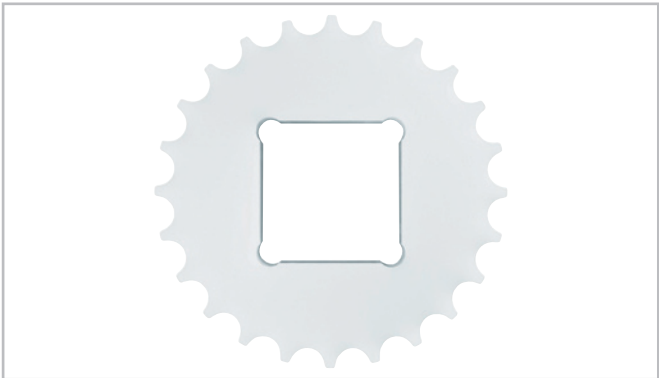
Sprocket availability

Type	Number of teeth	Diam. of pitch $\varnothing d_p$ 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

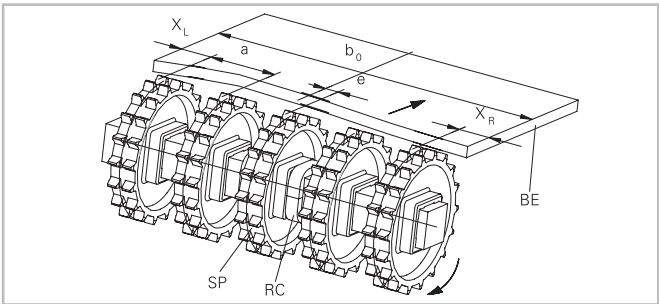
S-C1: machined sprockets: Other sprocket and hub sizes on request.

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.

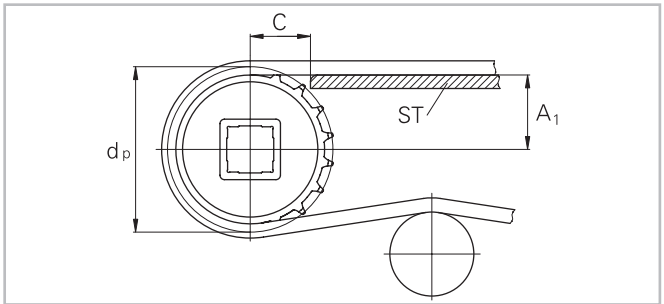
Other materials are available on request.



Sprocket arrangement



BE Belt
RC Retainer
SP Sprocket
b₀ 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.

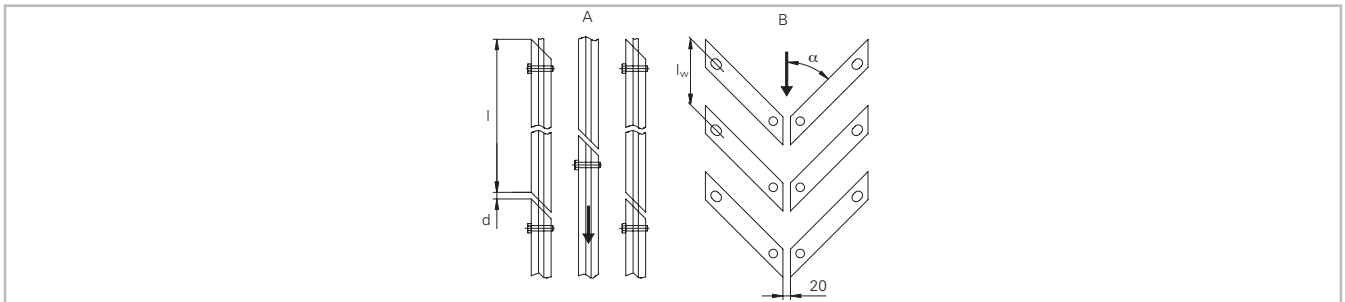
Belt type	Sprocket spacing a		Sprocket edge distance (minimal)		Criteria for center sprocket position	Result of formula (rounded)	Offset e	Remarks
	minimal mm inch	maximal mm inch	X_L mm inch	X_R mm inch				
M0870	76.2 3	152.4 6	25 1	25 1	$b_0 / 50.8$ $b_0 / 2$	even number (2, 4, 6 ...)	0	right or left 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.

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