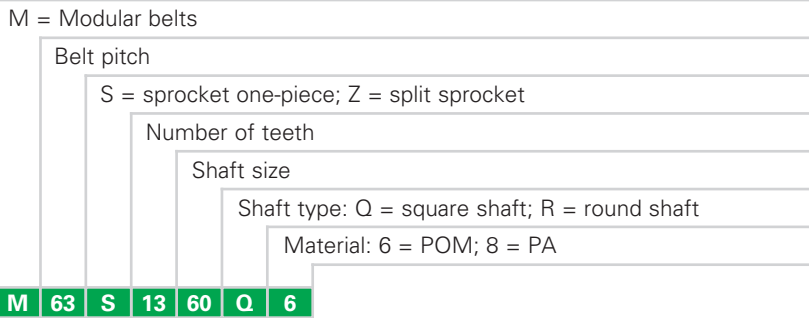


HabasitLINK® Sprockets - 2-1/2" Pitch Belting Sprocket Series M6300



Sprocket availability

Type	Number of teeth	Diam. of pitch $\varnothing d_p$		A_1		Hub width B_L		Square bore Q		Standard material
		mm	inch	mm	inch	mm	inch	mm	inch	
S	6	127.0	5.0	54.0	2.13	40	1.57	40	1.5	POM
S	8	165.9	6.5	73.5	2.90	40	1.57	40 / 60	1.5 / 2.5	POM
S	10	205.5	8.1	93.5	3.67	40	1.57	40 / 60	1.5 / 2.5	POM
S	13	265.3	10.5	123.5	4.85	40	1.57	60	2.5	POM

S: molded 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.

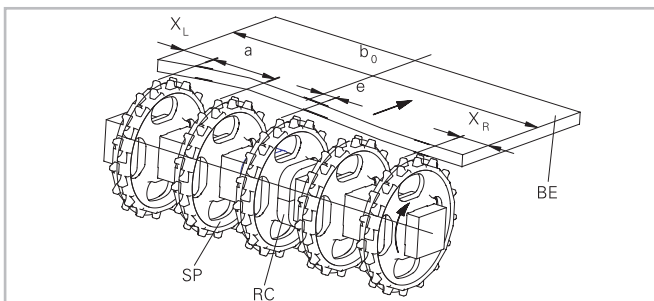


Sprocket one-piece ("open window")

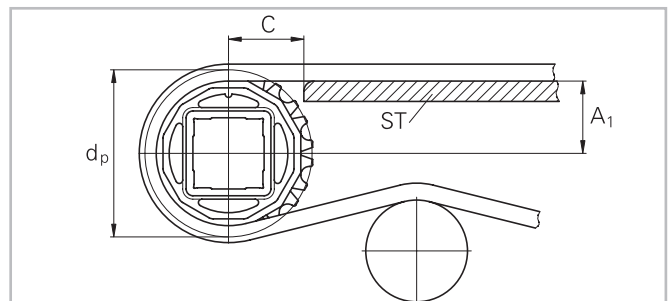


Sprocket one-piece (solid)

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 66 mm (2.6").

HabasitLINK® Sprockets - 2-1/2" Pitch Belting

Sprocket Series M6300



Wearstrips

Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips 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	maximal	X_L	X_R				
	mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	Offset to which side	
M6360	50.8 2	152.4 6	38 1.5	38 1.5	$b_o / 25.4$ $b_o / 1$	even number (2, 4, 6 ...)	12.7 0.5	right or left side
						odd number (3, 5, 7 ...)	0 0	no offset

Numbers of sprockets and wearstrips

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	inch	min. number	Carryway (top)	Returnway (bottom)	
102	4	1	2	2	
203	8	2	2	2	
305	12	2	3	2	
406	16	3	3	3	
508	20	3	3	3	
610	24	3	4	3	
711	28	5	4	3	
813	32	5	5	3	
914	36	5	5	4	
1'016	40	7	6	4	
1'118	44	7	6	4	
1'219	48	7	7	5	
1'321	52	9	7	5	
1'422	56	9	7	5	
1'524	60	9	8	5	
1'626	64	11	8	6	
1'727	68	11	8	6	
1'829	72	11	9	6	
1'930	76	13	9	6	
2'032	80	13	9	7	
2'134	84	13	10	7	
2'235	88	15	10	7	
2'337	92	15	10	7	
2'438	96	15	11	8	
2'540	100	17	11	8	

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.

HabasitLINK® Sprockets - 2-1/2" Pitch Belting Sprocket Series M6300



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