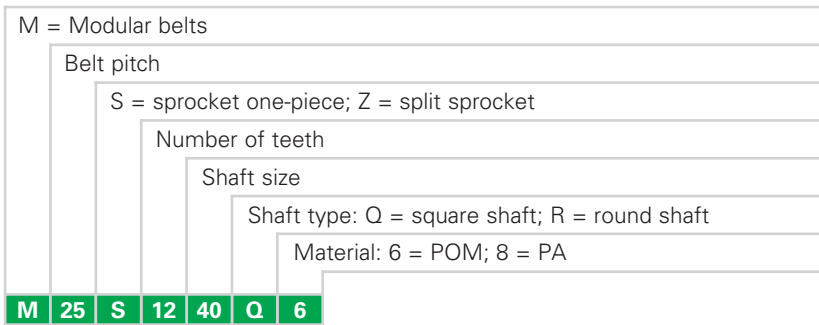


HabasitLINK® Sprockets - 1" Pitch Belting

Sprocket Series M2500-C2 (M2585/86)



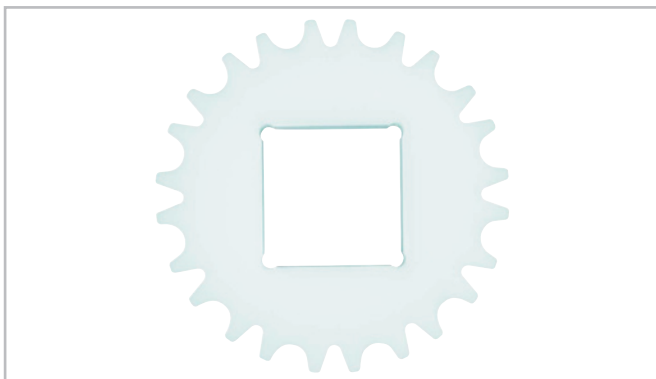
Sprocket availability

Type	Number of teeth	Diam. of pitch $\varnothing d_p$		A_1		Hub width B_L		Square bore Q		\varnothing Round bore R		Standard material
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
S-C2	7	59.6	2.4	24.3	0.96	25	0.98	-	1	-	-	PA
S-C2	8	67.7	2.7	28.4	1.12	25	0.98	25	-	30	1 / 1 ³ / ₁₆	PA
S-C2	10	83.8	3.3	36.4	1.43	25	0.98	40	1 / 1.5	30	1 / 1 ³ / ₁₆	PA
S-C2	12	100.0	3.9	44.5	1.75	25	0.98	40	1 / 1.5	30 / 40	1 / 1 ³ / ₁₆	PA
S-C2	15	124.5	4.9	56.8	2.24	25	0.98	60	2.5	-	-	PA
S-C2	16	132.8	5.2	60.9	2.40	25	0.98	40	1.5	-	-	PA
S-C2	18	149.1	5.9	69.1	2.72	25	0.98	40 / 60	1.5 / 2.5	30	1 / 1 ³ / ₈	PA
S-C2	20	165.5	6.5	77.3	3.04	25	0.98	40 / 60	1.5 / 2.5	30	1 / 1 ³ / ₈	PA

S-C2: 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.



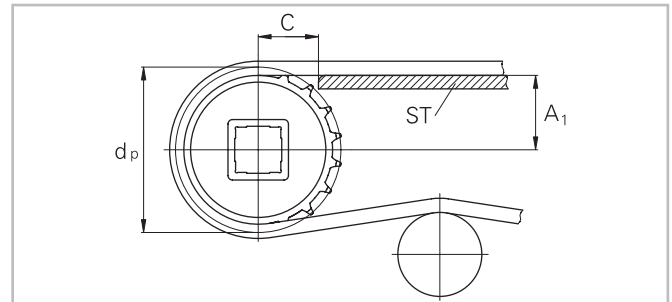
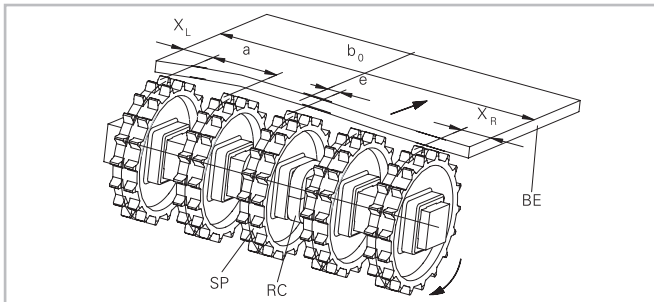
Sprocket one-piece (solid)

HabasitLINK® Sprockets - 1" Pitch Belting

Sprocket Series M2500-C2 (M2585/86)



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").

Wearstrips

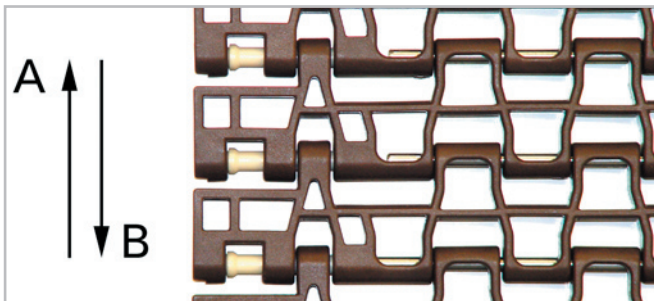
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

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	X _R				
M2585-P0 M2586	33.8 1.33	101.5 4	42 1.65	42 1.65	b ₀ / 33.8 b ₀ / 1.33	even number (2, 4, 6 ...)	8.5 0.33	right in running direction A left in running direction B
M2585-S0	33.8 1.33	101.5 4	59 2.32	59 2.32	b ₀ / 33.8 b ₀ / 1.33	odd number (3, 5, 7 ...)	8.5 0.33	left in running direction A right in running direction B
						even number (2, 4, 6 ...)	8.5 0.33	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.5 0.33	left in running direction A right in running direction B

* X_L and X_R are related to the running direction A and inverse for the running direction B.



M2585-S0, left edge X_L (M2585-P0, M2586 similar)

HabasitLINK® Sprockets - 1" Pitch Belting

Sprocket Series M2500-C2 (M2585/86)



Number of sprockets and wearstrips for M2585, M2586

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	inch	min. number	Carryway (top)	Returnway (bottom)
305	12	2	2	2
508	20	3	3	2
711	28	5	4	2
914	36	7	6	3
1117	44	7	8	3
1319	52	9	10	4
1522	60	11	10	4
1725	68	13	12	7
1928	76	13	12	7
2131	84	15	13	8
2333	92	17	16	8
2536	100	19	18	9

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.

Product liability, application considerations

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