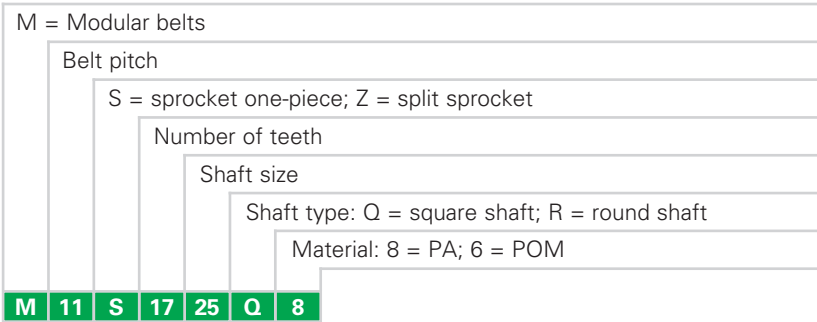


# HabasitLINK®

## Sprocket series M1100



### 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-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	$\frac{3}{4} / 1$	PA
S-C1	17	70.2	2.8	31.6	1.24	25	0.98	-	-	25	$\frac{3}{4} / 1$	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	-	1	PA

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

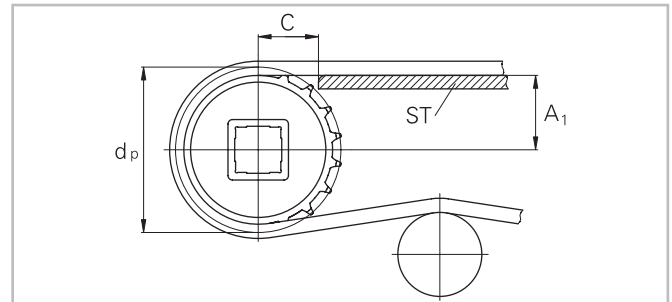
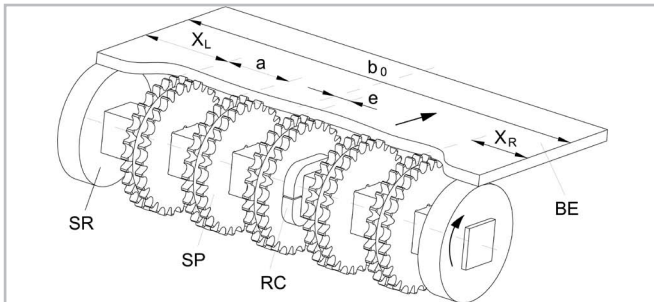
**Key ways** for round bore shape follow European standards for metric sizes and US standards for imperial sizes. For detailed dimensions see table in the Engineering Guide chapter Design Guide.

**Other materials** available on request.



Sprocket one-piece (solid)

### Sprocket arrangement



**BE** Belt  
**RC** Retainer  
**SP** Sprocket  
**b<sub>0</sub>** 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	maximal	X <sub>L</sub>	X <sub>R</sub>				
	mm inch	mm inch	mm inch	mm inch				
M1185	50,8 2	101.6 4	63,5 2,5	63,5 2,5	n.a.	n.a.	12,7 0,5	Offset to which side

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<sub>L</sub> and X<sub>R</sub>  
M1200 sprocket series are applicable with M1185 only in running direction (A).  
See page 27, sprocket series M1200.

### 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.

#### Disclaimer

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