

# HabasitLINK® Sprocket series M1200



M	12	S	24	25	Q	6
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M = Modular belts  
 Belt pitch  
 S = sprocket one-piece; Z = split sprocket  
 Number of teeth  
 Shaft size  
 Shaft type: Q = square shaft; R = round shaft  
 Material: 6 = POM; 8 = PA

## 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	10	41.2	1.6	16.8	0.66	30	1.18			20	3/4	POM
S	15	62.4	2.5	27.6	1.09	30	1.18	25	1	25	1	POM
S	19	78.8	3.1	35.9	1.41	25	0.98		1.5		1	POM
S	24	99.2	3.9	46.4	1.83	30	1.18	25 / 40	1.5	25	1	POM
S	28	116.5	4.6	55.2	2.17	30	1.18	40	1.5	25		POM
S	36	149.8	5.9	72.2	2.84	30	1.18	40 / 60	1.5 / 2.5			POM
Z	24	99.2	3.9	46.4	1.83	40	1.57	40				POM
Z-H	28	116.5	4.6	55.2	2.17	51	2.00	40	1.5		1 3/16	PA+GS
Z-H	36	149.8	5.9	72.2	2.84	51	2.00	40 / 60	1.5 / 2.5	50	1 17/16	PA+GS

S, Z: molded sprockets; Z-H: Multi-Hub 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.

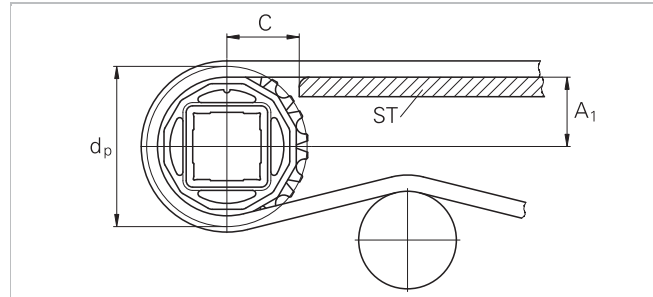
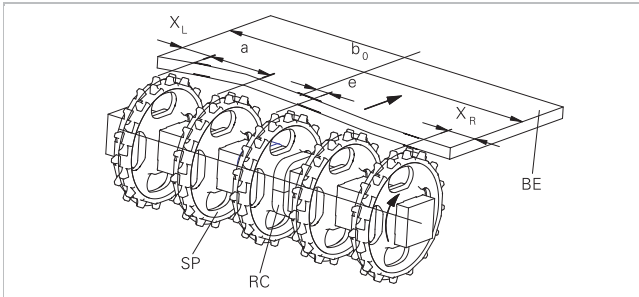


Sprocket one-piece ("open window")



Split sprocket

## Sprocket arrangement



- BE** Belt
- RC** Retainer
- SP** Sprocket
- b<sub>0</sub>** belt width
- Wearstrips**

The distance **C** between the sprocket axis and the slider support **ST** is minimal 14 mm (0.55").

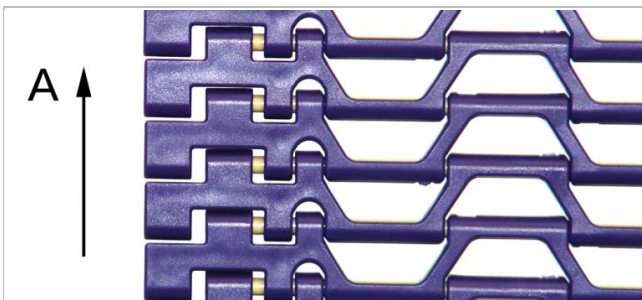
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wearstrips (ST) from UHMW Polyethylene or other suitable material.

## 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	maximal	X <sub>L</sub>	X <sub>R</sub>				
	mm	mm	mm	mm	mm		mm	Offset to which side
	inch	inch	inch	inch	inch	inch	inch	
M1185*	50.8	101.6	50.8	50.8	n.a.	n.a.	0	in running direction A only
	2	4	2	2			0	
M1200	50	100	25	25	n.a.	n.a.	0	no offset for all belt widths
	2	4	1	1			0	

\* For POM and PA belts a maximal admissible load 70% is recommended.



M1200 sprocket series are applicable with M1185 only in running direction (A).

**Numbers of sprockets and wearstrips for series M1200**

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	<i>inch</i>	min. number	Carryway (top)	Returnway (bottom)
150	6	2	2	2
200	8	2	2	2
250	10	3	3	2
300	12	3	3	2
350	14	3	4	3
400	16	3	4	3
450	18	5	5	3
500	20	5	5	3
550	22	5	6	4
600	24	5	6	4
700	28	7	7	4
800	32	7	7	4
900	36	9	8	5
1000	40	9	8	5
1100	43	11	9	5
1200	47	11	9	5
1300	51	13	10	6
1400	55	13	10	6
1600	63	15	11	6
1800	71	17	12	7
2000	79	19	13	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.

**Numbers of sprockets and wearstrips for M1185**

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	<i>inch</i>	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.

**Numbers of sprockets and wearstrips for M1220 ActivXchange 0.5"**

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	<i>inch</i>	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
109.8	4.3	1	1	2	2

### Numbers of sprockets and wearstrips for M1280 ActivXchange 0.5"

Standard belt width (nominal)		Number of sprockets per shaft		Number of wearstrips	
mm	<i>inch</i>	Drive shaft (loaded shaft)	Idling shaft (unloaded shaft)	Carryway (top)	Returnway (bottom)
152.2	6.0	2	1	2	2

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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