HabasitLINK® Sprockets - 1" Pitch Belting
Sprocket Series M2500

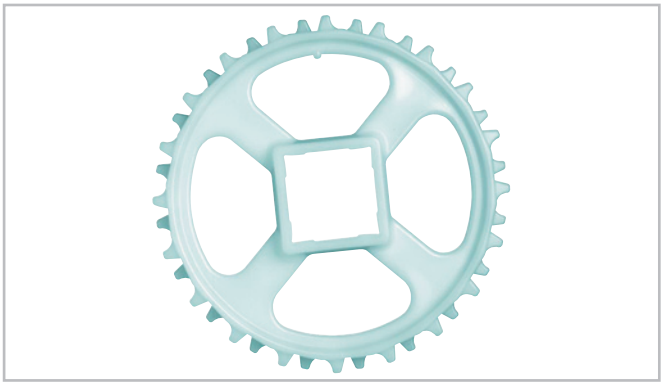
M = Modular belts
Belt pitch
S = sprocket one-piece; Z = split sprocket
Number of teeth
Shaft size
Shaft type: Q = square shaft; R = round
Material: 6 = POM; 8 = PA

M 25 S 12 40 Q 6

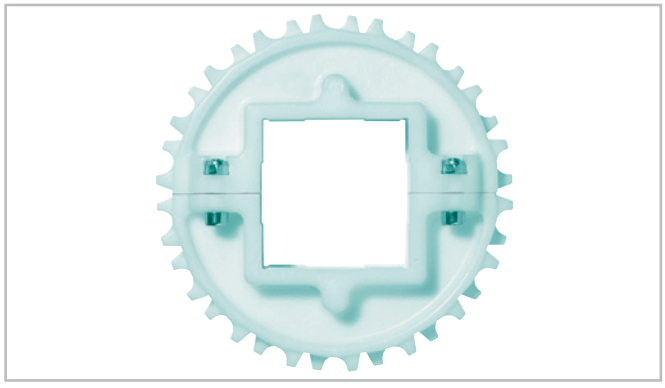
Sprocket availability

Type	Number of teeth	Diam. of pitch Ø 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	7	59.4	*2.3*	24.7	*0.97*	20	*0.79*	25	*1*	-	-	POM
S	8	66.7	*2.6*	28.3	*1.12*	30	*1.18*	25	-	30	*1 / 1 3/16*	POM
S	10	82.5	*3.3*	36.3	*1.43*	30	*1.18*	40	*1 / 1.5*	30	*1 / 1 3/16*	POM
S	12	98.6	*3.9*	44.3	*1.74*	30	*1.18*	40	*1 / 1.5*	30 / 40	*1 / 1 3/16*	POM
S	15	122.7	*4.8*	56.4	*2.22*	30	*1.18*	60	-	-	-	POM
S	16	130.8	*5.2*	60.4	*2.38*	30	*1.18*	40	*1.5*	-	-	POM
S	18	146.9	*5.8*	68.4	*2.69*	30	*1.18*	40 / 60	*1.5 / 2.5*	30	*1 / 1 3/16*	POM
S	20	163.0	*6.4*	76.5	*3.01*	30	*1.18*	40 / 60	*1.5 / 2.5*	30	*1 / 1 3/16*	POM
Z	12	98.6	*3.9*	44.3	*1.74*	45	*1.77*	40	*1.5*	-	-	POM
Z	18	146.9	*5.8*	68.4	*2.69*	45	*1.77*	40 / 60	*1.5 / 2.5*	-	-	POM
Z	20	163.0	*6.4*	76.5	*3.01*	45	*1.77*	40	*1.5*	-	-	POM

S, Z: 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.



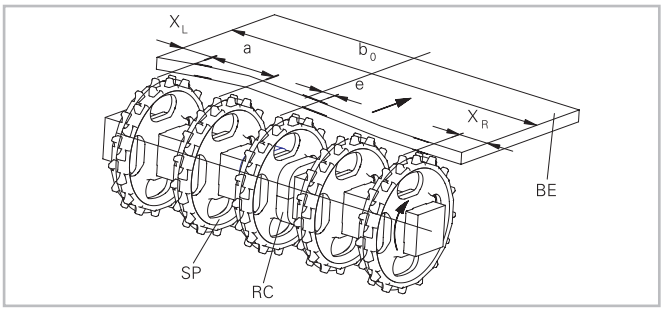
Sprocket one-piece ("open window")

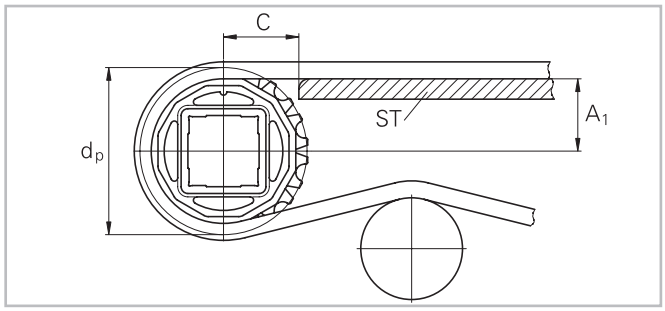


Split sprocket

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Sprocket arrangement





BE Belt
RC Retainer
SP Sprocket
b_0 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.

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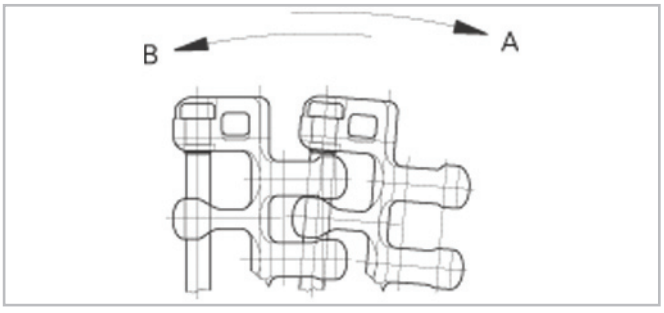
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Sprocket positioning

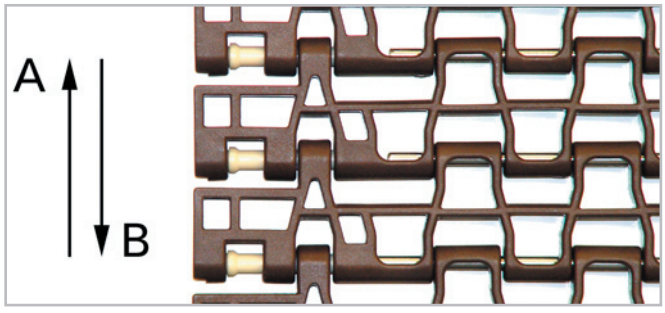
For correct positioning of the center sprocket divide the belt width by the link increment. The rounded result will be even or an odd number. These numbers are the criteria for offset or no offset, see table:

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*	mm *inch*		mm *inch*	Offset to which side
Series M2500 except M2540/43 except M2585/86	50 *2*	100 *4*	25 *1*	25 *1*	b_0 / 16.66 *b_0 / 0.66*	even number (2, 4, 6 ...)	8.3 *0.33*	right or left side
						odd number (3, 5, 7 ...)	0 *0*	no offset
M2540	50 *2*	117 *4.6*	21 *0.8*	29 *1.15*	b_0 / 16.66 *b_0 / 0.66*	even number (2, 4, 6 ...)	4.2 *0.17*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 *0.17*	left in running direction A right in running direction B
M2540 with hold down tabs	50 *2*	117 *4.6*	54 *2.13*	62 *2.44*	b_0 / 16.66 *b_0 / 0.66*	even number (2, 4, 6 ...)	4.2 *0.17*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 *0.17*	left in running direction A right in running direction B
M2540 MTW mold to width and bricklayed	50 *2*	117 *4.6*	41 *1.6*	49 *1.93*	b_0 / 16.66 *b_0 / 0.66*	even number (2, 4, 6 ...)	4.2 *0.17*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 *0.17*	left in running direction A right in running direction B
M2544	50 *2*	117 *4.6*	33 *1.3*	42 *1.65*	b_0 / 16.66 *b_0 / 0.66*	even number (2, 4, 6 ...)	4.2 *0.17*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	4.2 *0.17*	left in running direction A right in running direction B
M2585-P0 M2586	67 *2.66*	135 *5.3*	42 *1.65*	59 *2.32*	b_0 / 33.8 *b_0 / 1.33*	even number (2, 4, 6 ...)	8.3 *0.33*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.3 *0.33*	left in running direction A right in running direction B
M2585-S0	67 *2.66*	135 *5.3*	76 *3*	59 *2.32*	b_0 / 33.8 *b_0 / 1.33*	even number (2, 4, 6 ...)	8.3 *0.33*	right in running direction A left in running direction B
						odd number (3, 5, 7 ...)	8.3 *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 running direction B.



M2540, left edge X_L (M2543 similar)



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

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Number of sprockets and wearstrips for straight running belts
(excluding M2585 / 86: see separate table)

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	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	4	3
500	*20*	5	5	3
550	*22*	5	5	3
600	*24*	5	5	3
700	*28*	7	6	4
800	*32*	7	7	4
900	*36*	9	7	4
1000	*40*	9	8	5
1100	*43*	11	8	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.

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Number of sprockets and wearstrips for radius belts N2540, M2543

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	2	2	2
200	*8*	2	2	2
250	*10*	2	3	2
300	*12*	3	3	2
350	*14*	3	3	3
400	*16*	3	3	3
450	*18*	3	3	3
500	*20*	3	4	3
550	*22*	5	4	3
600	*24*	5	4	3
700	*28*	5	5	4
800	*32*	7	5	4
900	*36*	7	5	4
1000	*40*	9	6	5
1100	*43*	9	6	5
1200	*47*	9	7	5

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.

Number of sprockets and wearstrips for radius belts M2540 and M2543 with hold down tabs

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
150	*6*	1	2	2
200	*8*	2	2	2
250	*10*	2	3	2
300	*12*	2	3	2
350	*14*	3	3	3
400	*16*	3	3	3
450	*18*	3	3	3
500	*20*	3	4	3
550	*22*	3	4	3
600	*24*	5	4	3
700	*28*	5	5	4
800	*32*	5	5	4
900	*36*	7	5	4
1000	*40*	9	6	5
1100	*43*	9	6	5
1200	*47*	9	7	5

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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Number of sprockets and wearstrips for radius belts M2540 Radius Flush Grid 1" MTW (mold to width and bricklayed)

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	*inch*	min. number	Carryway (top)	Returnway (bottom)
206	*8.11*	2	2	2
256	*10.08*	2	3	2
306*	*12.05*	3	3	2
406	*16*	3	3	3
506	*19.9*	5	4	3
606	*23.85*	5	4	3

* The belt width 306 mm (12.05") is a non-cut standard mold to width belt. All other belt widths are cut sizes.

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.

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