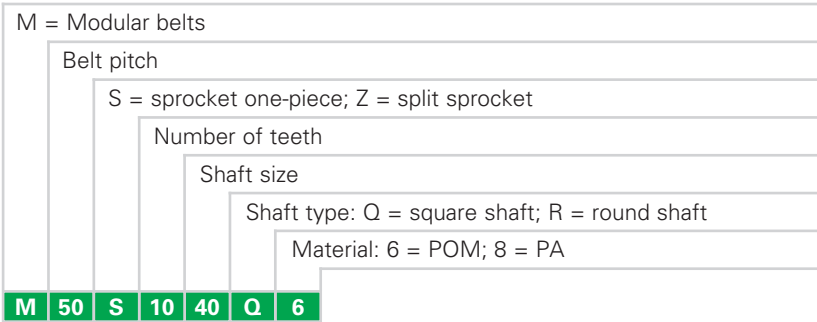


# HabasiLINK® Sprocket Series M5000 HyCLEAN



## Sprocket availability

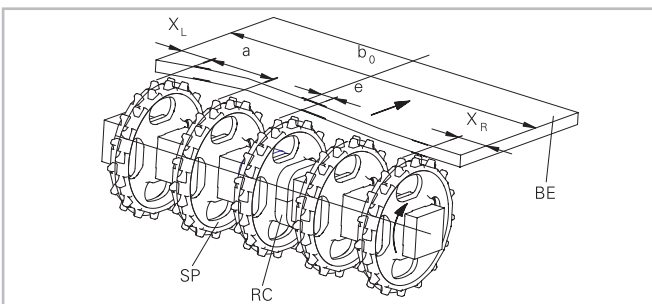
Type	Number of teeth	Diam. of pitch $\varnothing d_p$		$A_1$		Hub width $B_L$		Square bore Q		Standard material
		mm	inch	mm	inch	mm	inch	mm	inch	
S-M2	8	133.4	5.3	58.7	2.31	40	1.57	40	-	POM
S-M2	10	165.2	6.5	74.6	2.94	40	1.57	40	1.5	POM

S-M2: molded sprocket

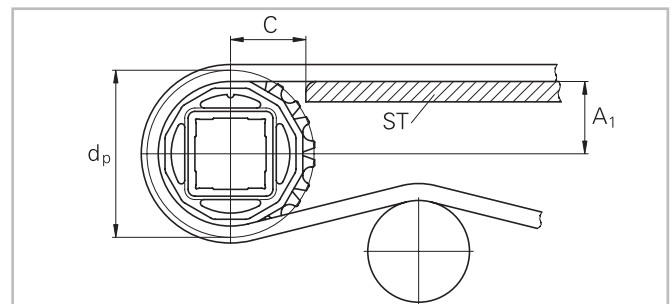


HyCLEAN sprocket

## 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 53 mm (2.1").

## Wearstrips

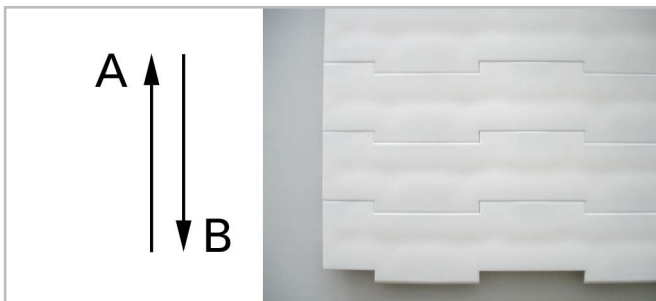
Between driving shaft and idling sprockets or rollers the belt is carried by a slider support furnished with longitudinal wear strips from UHMW Polyethylene or other suitable material.

### 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				
M5010 M5011 M5013 M5014	56.25 2.2	150 6	37.5 1.48	37.5 1.48	$b_o / 18.75$ $b_o / 0.74$	even number (2, 4, 6 ...) odd number (3, 5, 7 ...)	0 0 9.4 0.37	no offset right or left
M5060 M5067	50.8 2	152.4 6	25.4 1	25.4 1	$b_o / 25.4$ $b_o / 1$	even number (2, 4, 6 ...) odd number (3, 5, 7 ...)	0 0 12.7 0.5	no offset right or left
M5064	50.8 2	152.4 6	50.8 2	50.8 2	$b_o / 25.4$ $b_o / 1$	even number (2, 4, 6 ...) odd number (3, 5, 7 ...)	0 0 12.7 0.5	no offset right or left
M5065 * (in direction A)	152.4 6	228.6 9	114.3 4.5	38.1 1.5	$b_o / 76.2$ $b_o / 3$	even number (2, 6, 10 ...) even number (4, 8, 12 ...) odd number (3, 7, 11 ...) odd number (5, 9, 13 ...)	38.1 1.5 38.1 1.5 0 0 76.2 3	right left no offset right or left
M5065 * (in direction B)	152.4 6	228.6 9	38.1 1.5	114.3 4.5	$b_o / 76.2$ $b_o / 3$	even number (2, 6, 10 ...) even number (4, 8, 12 ...) odd number (3, 7, 11 ...) odd number (5, 9, 13 ...)	38.1 1.5 38.1 1.5 76.2 3 0 0	left right right or left no offset

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



# HabasitLINK®

## Sprocket Series M5000 HyCLEAN



### Numbers of sprockets and wearstrips for M5010, M5011, M5013, M5014

Standard belt width (nominal)		Number of sprockets per shaft min. number	Number of wearstrips	
mm	inch		Carryway (top)	Returnway (bottom)
150	6	2	2	2
225	9	2	2	2
300	12	2	3	2
375	15	3	3	3
450	18	3	3	3
525	21	3	4	3
600	24	3	4	3
675	27	5	5	3
750	30	5	5	4
825	33	5	6	4
900	36	5	6	4
975	39	7	7	5
1'050	42	7	7	5
1'125	45	7	7	5
1'200	48	7	8	5
1'500	59	9	8	6
1'800	70	11	9	6
2'100	83	13	10	7
2'400	95	15	11	8
2'700	106	17	12	9
3'000	118	19	13	10

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®

## Sprocket Series M5000 HyCLEAN



### Numbers of sprockets and wearstrips for M5060, M5064, M5067

Standard belt width (nominal)		Number of sprockets per shaft min. number	Number of wearstrips	
mm	<i>inch</i>		Carryway (top)	Returnway (bottom)
102	4	2	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
1'422	56	9	7	5
1'626	64	11	7	5
1'829	72	11	8	5
2'032	80	13	8	6
2'235	88	15	9	6
2'438	96	15	10	7
2'642	104	17	11	8
2'845	112	19	12	9
3'048	120	19	13	10

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®

## Sprocket Series M5000 HyCLEAN



### Numbers of sprockets and wearstrips for M5065

Standard belt width (nominal)		Number of sprockets per shaft	Number of wearstrips	
mm	inch	min. number	Carryway (top)	Returnway (bottom)
152	6	1*	2	2
229	9	2	2	2
305	12	2	3	2
381	15	2	3	3
457	18	2	3	3
533	21	2	3	3
610	24	3	4	3
686	27	3	4	3
762	30	3	4	4
838	33	3	4	4
914	36	3	4	4
991	39	3	4	4
1067	42	5	4	4
1143	45	5	4	4
1219	48	5	5	4
1295	51	5	5	4
1372	54	5	5	4
1448	57	5	5	5
1524	60	5	5	5

\* Second sprocket on open hinge is possible (no tracking).

General remark: HyCLEAN sprockets are not compatible to M5015, M5020 and M5030 series.

#### Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.