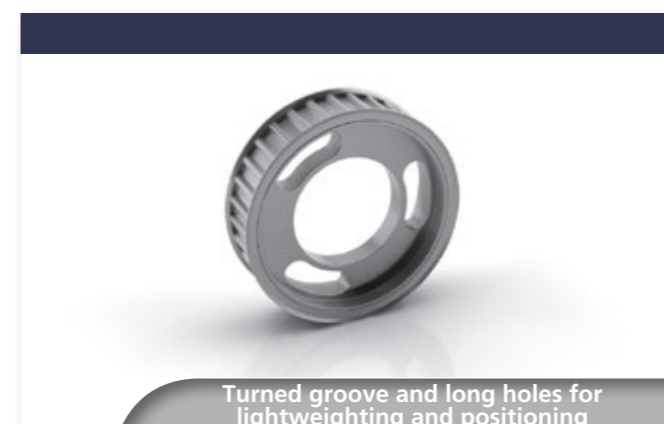


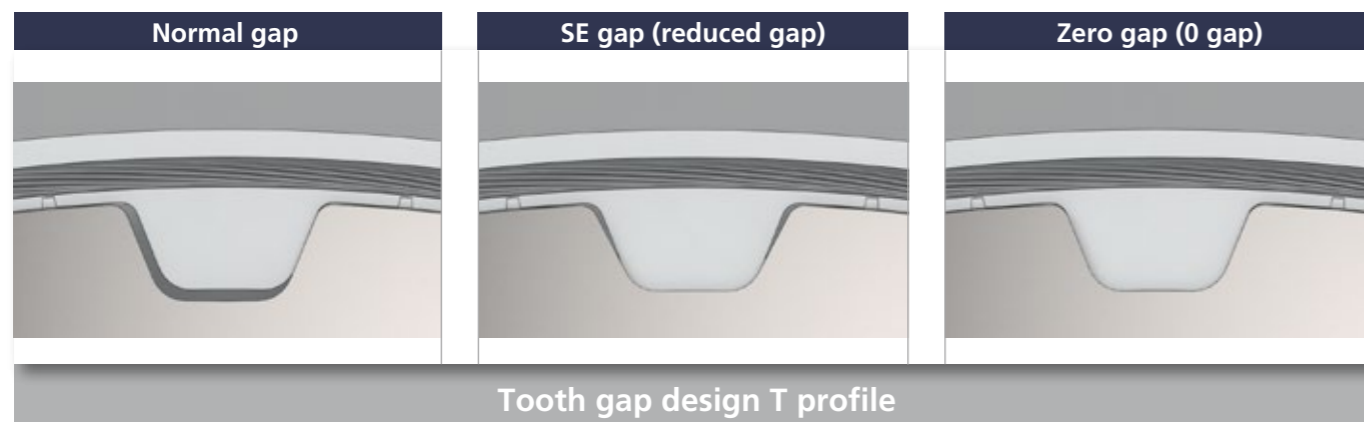
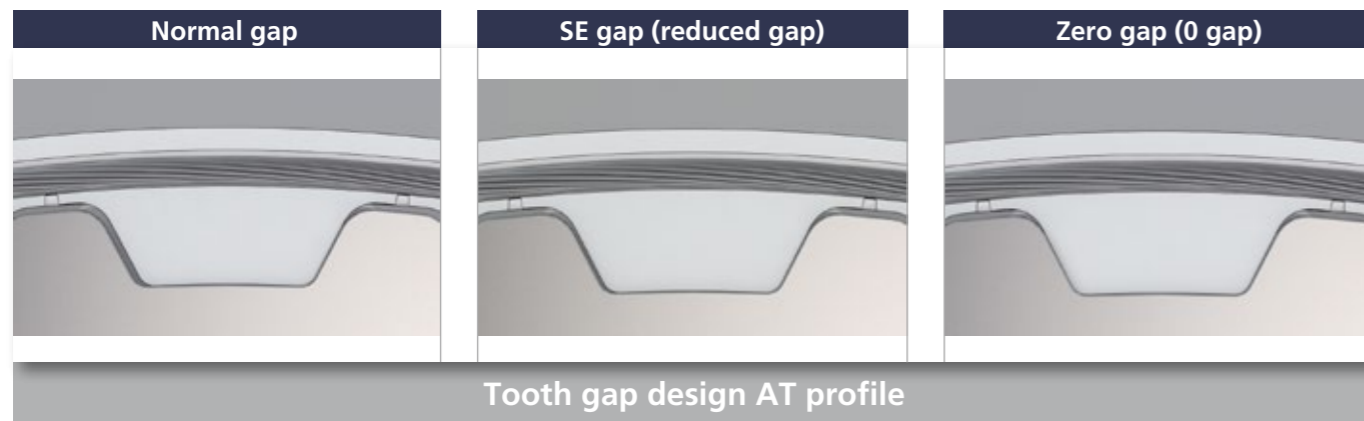
Machining/Special geometries according to customer requirements

The ever-increasing requirements for low-friction, low-noise and precise drive elements continually present us with new challenges. Thanks to modern production technology, BRECO can offer its customers extensive machining options as well as special geometries for individual adaptation of the synchronising pulleys to the relevant application. The combination with the optimised BRECO® or BRECOFLEX® timing belts results in drive elements that ensure a very high degree of functional reliability.



Tooth gap forms

Timing belts are positive fitting drive elements. They work slip-free with the associated synchronising pulleys. BRECO- and BRECOFLEX- timing belt drives can also be optimised to motion transmission that is low in flank play. For especially high requirements with respect to the accuracy of the motion transmission, the SE or zero gap can be used for some profiles and divisions in compliance with certain prerequisites. Our sales partners will be pleased to help with the technical design of your drive.



Overview of the available tooth gaps				
Tooth gap design	Synchronising pulley T profile and AT20		Synchronising pulley AT profile (without AT20)	Imperial profile
	Number of teeth ≤ 20	Number of teeth > 20	all teeth	all teeth
Normal gap	-	Standard	Standard	Standard
SE gap	Standard	Optional	Optional	-
Zero gap (0 gap)	Optional	Optional	Optional	-

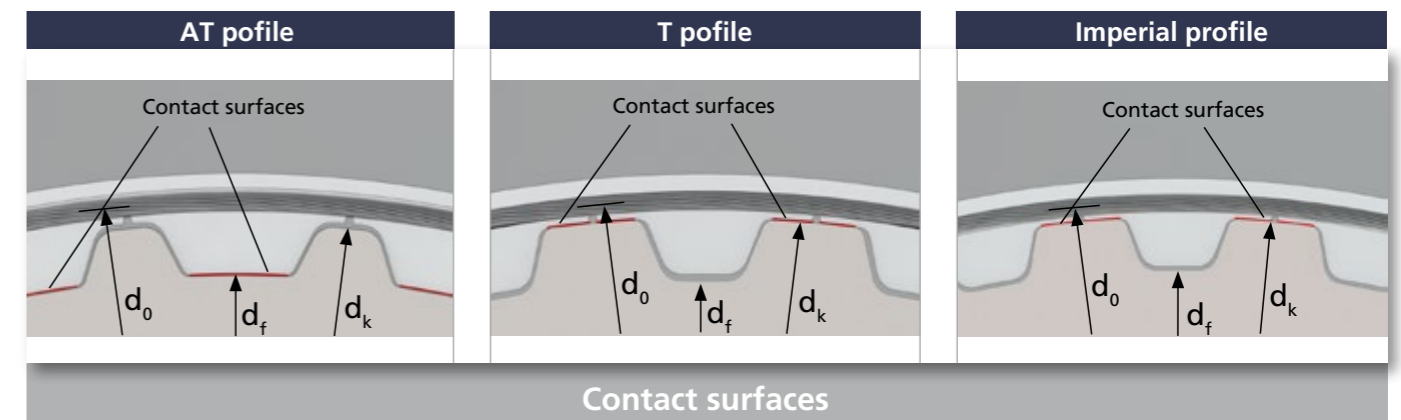
Ordering information:

The standard gap form for the relevant profiles does not have to be listed separately when ordering. Only the optional gap form has to be indicated when ordering, as shown in the order example.

Synchronising pulley Al 70 AT10 -SE / 25 - 2 hub 65x6 d=30 H7 with groove

Material	Al 70
Total width B_N	70
Type / pitch	AT10
Tooth gap design	-SE
Number of teeth	25
Number of flanges	2
Hub dimension $d_N \times l_N$	65x6
Bore	d=30 H7
Groove according to DIN 6885	with groove

Contact surfaces between timing belt and synchronising pulley

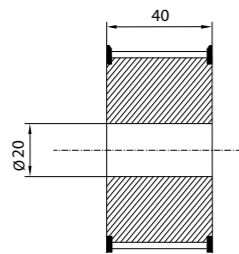


- d_0 : Pitch circle diameter
- d_f : Root diameter
- d_k : Pulley outside diameter

When using the standard order text, you will receive a product without a drawing, which matches the timing belt program with respect to function and quality.

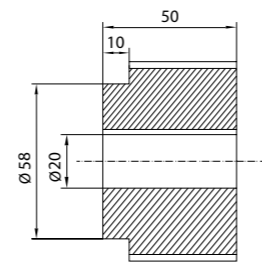
The order texts for various designs are listed in the following representations.

Synchronising pulley without hub



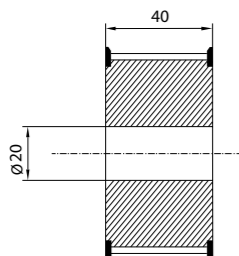
Synchronising pulley AI 40 AT10/24-2 d=20 H7

Synchronising pulley with hub



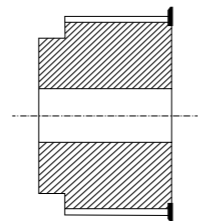
Synchronising pulley AI 50 AT10/24-0 hub Ø58x10 d=20 H7 with groove

Synchronising pulley with 2 flanges



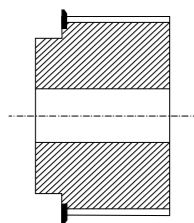
Synchronising pulley AI 40 AT10/24-2 d=20 H7

Synchronising pulley with 1 flange opposite the hub side



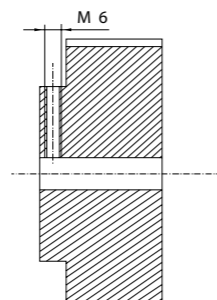
1 flange opposite the hub side: -1g

Synchronising pulley with 1 flange on the hub side



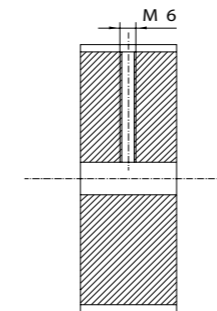
1 flange on the hub side: -1a

Synchronising pulley with fastening bore



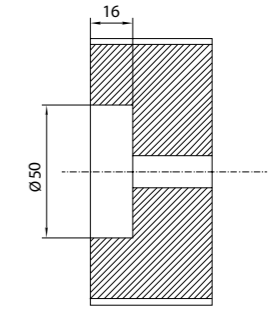
Threaded bore M6, centre, hub

Synchronising pulley with fastening bore



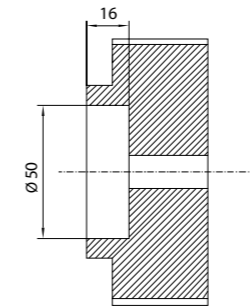
Threaded bore M6, centre tooth

Synchronising pulley with turned groove



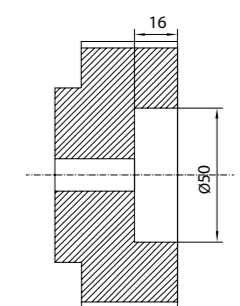
Turned groove Ø50x16 deep

Synchronising pulley with turned groove



Turned groove Ø50x16 deep hub side

Synchronising pulley with turned groove



Turned groove Ø50x16 deep opposite hub

Further ordering codes:

- Thread M4 centre of meshing on groove (opposite groove)
- Thread M4 centre of meshing in tooth gap (on tooth)
- Thread M4 centre of hub, 90° offset to groove
- 2 threads M4 centre of hub, 90° and 180° offset to groove

Synchronising pulley AI 70 AT10 / 25 - 2 Hub 65x6 d=30 H7 with groove

Material	AI 70
Total width B _N	25
Type / pitch	AT10
Number of teeth	2
Number of flanges	2
Hub dimension d _N xl _N	65x6
Bore	d=30 H7
Groove according to DIN 6885	with groove

Important information for the user of this catalogue

Please note that the effective circular diameters d_0 for synchronising pulleys and synchronising shafts represent theoretical values, while actual values form the basis in the online calculation program „belt pilot“.

Flanges

Zinc plated steel is used as the standard material. The user is to determine special executions.

Mounting is achieved by flaring or bolting the flange, depending on the tooth profile and number of teeth used.

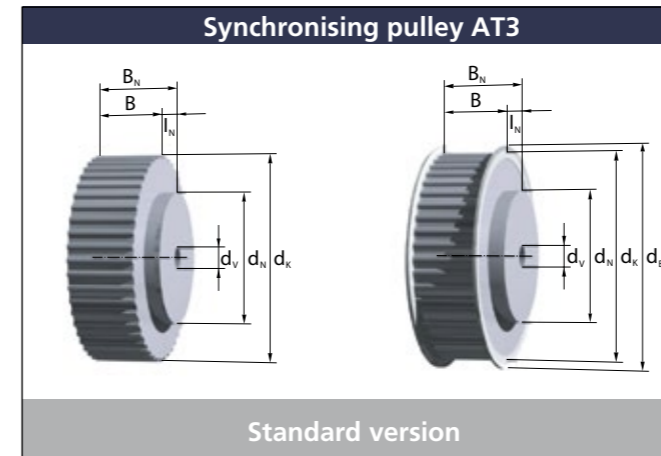
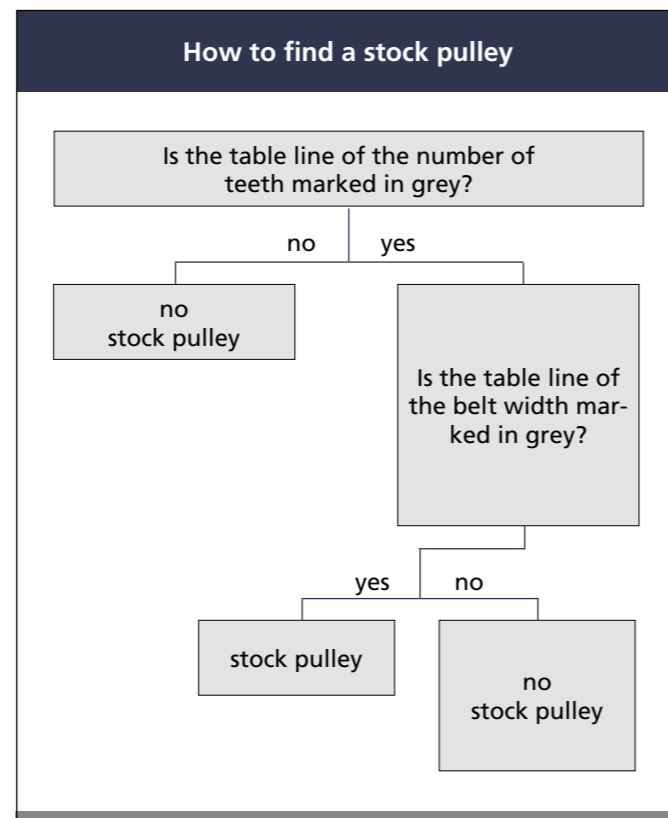
Tolerances

The centre borings made in H7, if there are no other requirements.

All not tolerated dimensions are manufactured in the tolerance class „medium“ according to DIN 7168.

Designation

- z = Number of teeth
- d_0 = Pitch circle diameter
- d_k = Pulley outside diameter
- d_B = Flange diameter
- d_v = Diameter of pre-bore
- d_{max} = max. bore diameter without feather key groove for synchronising pulleys with flanges, with maximum pre-boring, no hub is required



z	d_k [mm]	d_0 [mm]	d_B	Hub $d_N \times l_N$ [mm]	Pre-bore d_v	Bore (max.) d_{max} [mm]
15	13,91	14,32	17	10x6	4H7	4
16	14,87	15,28	18	10x6	4H7	5
17	15,82	16,23	19	10x6	4H7	6
18	16,78	17,19	21	12x6	4H7	7
19	17,73	18,14	23	12x6	4H7	8
20	18,69	19,10	24	14x6	4H7	9
21	19,64	20,05	25	14x6	6H7	10
22	20,60	21,01	26	14x6	6H7	11
23	21,55	21,96	26	14x6	6H7	12
24	22,51	22,92	28	14x6	6H7	13
25	23,46	23,87	30	16x6	6H7	14
26	24,42	24,83	30	16x6	6H7	15
27	25,37	25,78	30	16x6	6H7	15
28	26,33	26,74	32	16x6	6H7	16
29	27,28	27,69	34	16x6	6H7	17
30	28,24	28,65	34	20x6	6H7	18
31	29,19	29,60	35	20x6	6H7	19
32	30,15	30,56	36	20x6	6H7	20
33	31,10	31,51	36	20x6	6H7	21
34	32,06	32,47	37	20x6	6H7	22
35	33,01	33,42	39	20x6	6H7	23
36	33,97	34,38	40	22x6	6H7	24
37	34,92	35,33	40	22x6	6H7	25
38	35,88	36,29	42	22x6	6H7	26
39	36,83	37,24	42	22x6	6H7	27
40	37,79	38,20	43	26x6	6H7	28
41	38,74	39,15	45	26x6	6H7	29
42	39,70	40,11	45	26x6	6H7	30
43	40,65	41,06	47	26x6	6H7	31
44	41,61	42,02	47	30x6	6H7	32
45	42,56	42,97	48	30x6	6H7	33
46	43,52	43,93	50	30x6	6H7	34
47	44,47	44,88	50	30x6	6H7	35
48	45,43	45,84	52	34x6	6H7	36

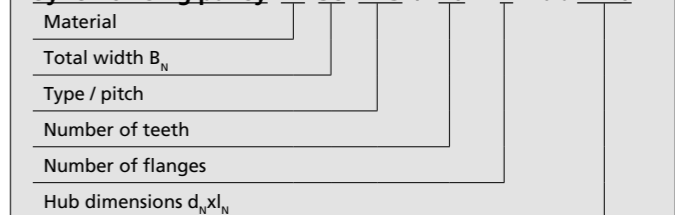
Type	Belt width b [mm]	Synchronising pulley width B [mm]	Total width B_N [mm]
AT3	6	10	16
	10	15	21
	16	22	28
	25	32	38
	32	40	48

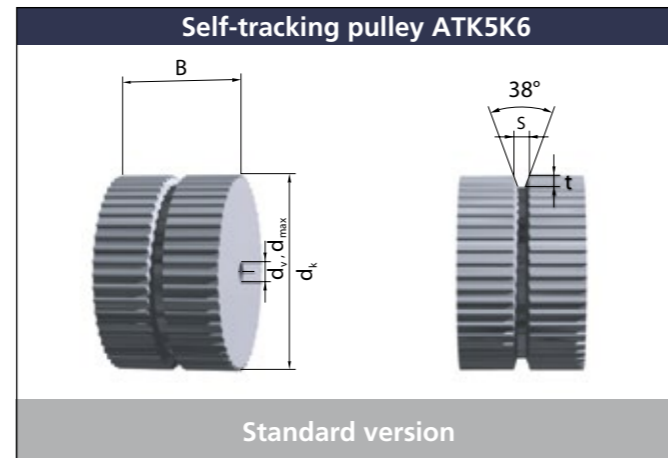
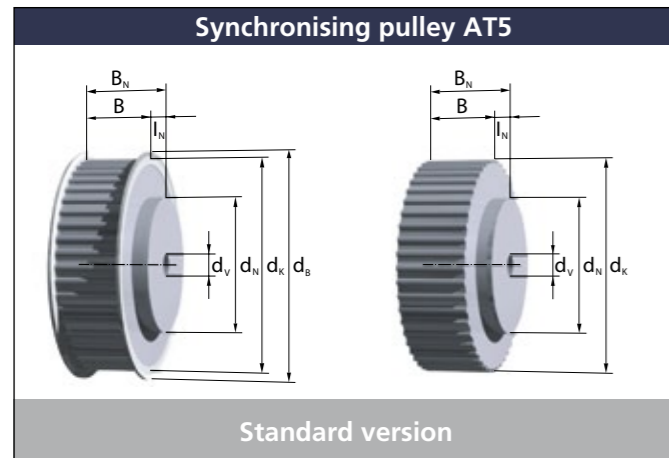
The AT3 stock pulleys are marked in grey. Stock pulleys up to $z=40$ are supplied with flanges as standard, from $z=44$ without flanges. Please contact our sales partner if you require intermediate widths, larger widths or other hub dimensions.

z	d_k [mm]	d_0 [mm]	d_B	Hub $d_N \times l_N$ [mm]	Pre-bore d_v	Bore (max.) d_{max} [mm]
49	46,38	46,79	52	34x6	6H7	36
50	47,34	47,75	53	34x6	6H7	37
51	48,29	48,70	53	34x6	6H7	38
52	49,25	49,66	55	34x6	6H7	39
53	50,20	50,61	55	34x6	6H7	40
54	51,16	51,57	56	34x6	6H7	41
55	52,11	52,52	58	34x6	6H7	42
56	53,07	53,48	58	34x6	6H7	43
57	54,02	54,43	60	34x6	6H7	44
58	54,98	55,39	60	34x6	6H7	45
59	55,93	56,34	61	34x6	6H7	46
60	56,89	57,30	62	38x6	6H7	47
61	57,84	58,25	64	38x6	6H7	48
62	58,80	59,21	64	38x6	6H7	49
63	59,75	60,16	66	38x6	6H7	50
64	60,71	61,12	66	38x6	6H7	51
65	61,66	62,07	68	38x6	6H7	52
66	62,62	63,03	68	38x6	6H7	53
67	63,57	63,98	70	38x6	6H7	54
68	64,53	64,94	70	38x6	6H7	55
69	65,48	65,89	72	38x6	6H7	56
70	66,44	66,85	72	38x6	6H7	57
71	67,39	67,80	74	38x6	6H7	58
72	68,34	68,75	74	50x6	6H7	58

BRECO order example

Synchronising pulley AI 38 AT3 / 20 - 2 hub 14x6





Type	Belt width b [mm]	Synchronising pulley width B [mm]	Total width B _N [mm]
AT5	10	16	22
AT5	16	22	28
AT5	25	32	38
AT5	32	40	46
AT5	50	60	66
AT5	75	85	90
AT5	100	110	115
ATK5K6	32	37	-
ATK5K6	50	55	-
ATK5K6	75	80	-

K6	
s	t
6,5	5

The AT5 stock pulleys are marked in grey. Stock pulleys up to z=44 are supplied with flanges as standard, from z=48 without flanges. Self-tracking pulleys are production goods and only available from z=20.

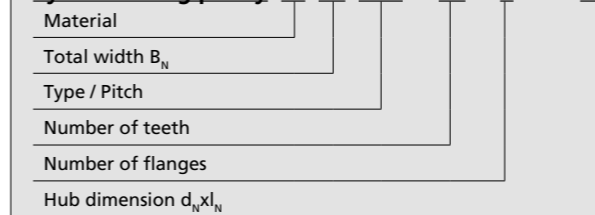
Please contact our sales partner if you require intermediate widths, larger widths or other hub dimensions.

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						AT5	ATK5K6
15	22,65	23,87	28	16x6	6H7	10	-
16	24,24	25,46	30	18x6	6H7	12	-
17	25,84	27,06	32	18x6	6H7	14	-
18	27,43	28,65	34	20x6	6H7	16	-
19	29,02	30,24	35	22x6	6H7	16	-
20	30,61	31,83	36	24x6	6H7	18	11
21	32,20	33,42	37	24x6	6H7	20	12
22	33,79	35,01	39	24x6	6H7	22	14
23	35,39	36,61	40	24x6	8H7	24	15
24	36,98	38,20	42	26x6	8H7	24	17
25	38,57	39,79	43	26x6	8H7	25	19
26	40,16	41,38	45	26x6	8H7	25	20
27	41,75	42,97	47	30x6	8H7	27	22
28	43,34	44,56	48	30x6	8H7	29	23
29	44,93	46,15	50	30x6	8H7	31	25
30	46,53	47,75	52	34x6	8H7	33	27
31	48,12	49,34	53	34x6	8H7	35	28
32	49,71	50,93	55	38x6	8H7	37	30
33	51,30	52,52	56	38x6	8H7	39	31
34	52,89	54,11	58	38x6	8H7	39	33
35	54,48	55,70	60	38x6	8H7	40	34
36	56,08	57,30	61	38x6	8H7	42	36
37	57,67	58,89	62	38x6	8H7	43	38
38	59,26	60,48	64	38x6	8H7	45	39
39	60,85	62,07	66	38x6	8H7	45	41
40	62,44	63,66	68	40x6	8H7	47	42
41	64,03	65,25	70	40x6	8H7	48	44
42	65,63	66,85	72	40x6	8H7	50	46

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						AT5	ATK5K6
43	67,22	68,44	72	40x6	8H7	52	47
44	68,81	70,03	74	50x6	8H7	52	49
45	70,40	71,62	75	50x6	8H7	54	50
46	71,99	73,21	76	50x6	8H7	56	52
47	73,58	74,80	78	50x6	8H7	58	54
48	75,17	76,39	80	50x6	8H7	60	55
49	76,77	77,99	82	50x6	8H7	60	57
50	78,36	79,58	84	50x6	8H7	60	58
51	79,95	81,17	86	50x6	8H7	62	60
52	81,54	82,76	86	50x6	8H7	64	62
53	83,13	84,35	88	50x6	8H7	66	63
54	84,72	85,94	90	50x6	8H7	66	65
55	86,32	87,54	91	50x6	8H7	68	66
56	87,91	89,13	93	50x6	8H7	70	68
57	89,50	90,72	94	50x6	8H7	72	69
58	91,09	92,31	96	50x6	8H7	74	71
59	92,68	93,90	99	50x6	8H7	74	73
60	94,27	95,49	99	65x6	8H7	76	74
61	95,86	97,08	100	65x6	8H7	79	76
62	97,46	98,68	102	65x6	8H7	80	77
63	99,05	100,27	104	65x6	8H7	82	79
64	100,64	101,86	104	65x6	8H7	82	81
65	102,23	103,45	107	65x6	8H7	84	82
66	103,82	105,04	109	65x6	8H7	86	84
67	105,41	106,63	112	65x6	8H7	88	85
68	107,01	108,23	112	65x6	8H7	90	87
69	108,60	109,82	115	65x6	8H7	90	89
70	110,19	111,41	115	65x6	8H7	90	90
71	111,78	113,00	117	65x6	8H7	92	92
72	113,37	114,59	118	80x6	8H7	94	93

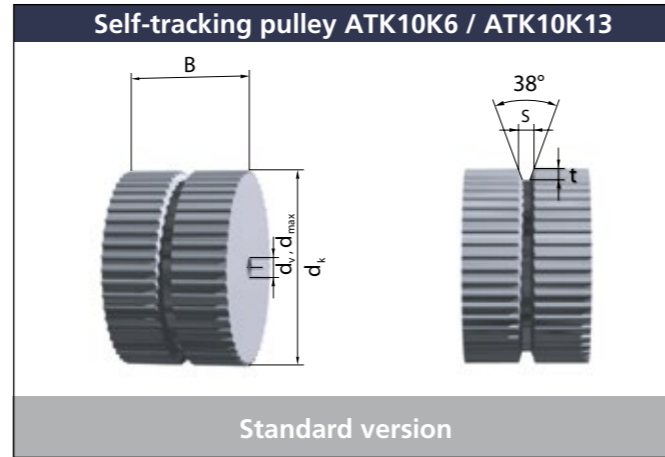
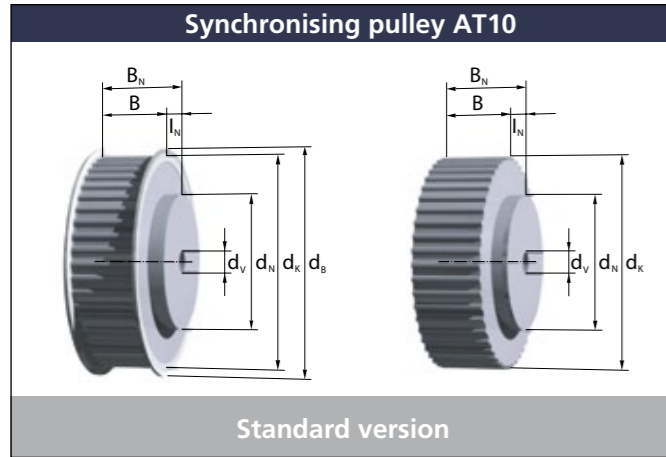
BRECO order example

Synchronising pulley Al 28 AT5 / 60 - 0 Hub 65x6



Self-tracking pulley Al 55 ATK5K6 / 32 - d=15H7





Type	Belt width b [mm]	Synchronising pulley width B [mm]	Total width B _N [mm]
AT10	25	32	42
AT10	32	40	50
AT10	50	60	70
AT10	75	85	95
AT10	100	110	120
AT10	150	160	170
ATK10K6	50	55	-
ATK10K6	100	105	-
ATK10K13	32	40	-
ATK10K13	50	55	-
ATK10K13	75	80	-
ATK10K13	100	105	-
ATK10K13	150	155	-

K6		K13	
s	t	s	t
6,5	5	13,5	7,5

The AT10 stock pulleys are marked in grey. Stock pulleys up to z=44 are supplied with flanges as standard, from z=48 without flanges. Self-tracking pulleys are production goods and only available from z=20.

Please contact our sales partner if you require intermediate widths, larger widths or other hub dimensions.

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]		
						AT10	ATK10 K6	ATK10 K13
15	45,93	47,75	52	32x10	8H7	34	-	-
16	49,11	50,93	55	35x10	8H7	36	-	-
17	52,29	54,11	58	40x10	8H7	40	-	-
18	55,48	57,30	61	40x10	8H7	44	-	-
19	58,66	60,48	64	44x10	8H7	46	-	-
20	61,84	63,66	68	46x10	12H7	50	42	37
21	65,03	66,85	72	46x10	12H7	52	45	40
22	68,21	70,03	74	50x10	12H7	56	48	43
23	71,39	73,21	76	50x10	12H7	60	51	46
24	74,57	76,39	80	58x10	12H7	62	55	50
25	77,76	79,58	84	60x10	12H7	66	58	53
26	80,94	82,76	86	60x10	12H7	68	61	56
27	84,12	85,94	90	60x10	12H7	72	64	59
28	87,31	89,13	93	60x10	12H7	76	67	62
29	90,49	92,31	96	60x10	12H7	78	70	65
30	93,67	95,49	99	60x10	12H7	82	74	69
31	96,86	98,68	102	60x10	12H7	84	77	72
32	100,04	101,86	106	65x10	12H7	88	80	75
33	103,22	105,04	109	65x10	12H7	88	83	78
34	106,41	108,23	112	65x10	12H7	92	86	81
35	109,59	111,41	115	65x10	12H7	96	90	85
36	112,77	114,59	118	70x10	16H7	98	93	88
37	115,95	117,77	121	70x10	16H7	101	96	91
38	119,14	120,96	125	70x10	16H7	104	99	94
39	122,32	124,14	128	70x10	16H7	106	102	97
40	125,50	127,32	131	80x10	16H7	110	106	101
41	128,69	130,51	134	80x10	16H7	110	109	104
42	131,87	133,69	137	80x10	16H7	112	112	107
43	135,05	136,87	140	80x10	16H7	114	115	110

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]		
						AT10	ATK10 K6	ATK10 K13
44	138,24	140,06	144	90x10	16H7	118	118	113
45	141,42	143,24	147	90x10	16H7	120	121	116
46	144,60	146,42	150	90x10	16H7	122	125	120
47	147,79	149,61	153	90x10	16H7	122	128	123
48	150,97	152,79	156	95x10	16H7	124	131	126
49	154,15	155,97	160	95x10	16H7	126	134	129
50	157,33	159,15	163	95x10	16H7	130	137	132
51	160,52	162,34	166	95x10	16H7	134	141	136
52	163,70	165,52	169	110x10	16H7	136	144	139
53	166,88	168,70	172	110x10	16H7	140	147	142
54	170,07	171,89	176	110x10	16H7	144	150	145
55	173,25	175,07	179	110x10	16H7	146	153	148
56	176,43	178,25	182	110x10	16H7	150	156	151
57	179,62	181,44	185	110x10	16H7	152	160	155
58	182,80	184,62	188	110x10	16H7	156	163	158
59	185,98	187,80	191	110x10	16H7	160	166	161
60	189,17	190,99	195	110x10	16H7	162	169	164
61	192,35	194,17	198	110x10	16H7	164	172	167
62	195,53	197,35	201	110x10	16H7	166	176	171
63	198,72	200,54	204	140x10	16H7	170	179	174
64	201,90	203,72	207	140x10	16H7	171	182	177
65	205,08	206,90	210	140x10	16H7	174	185	180
66	208,26	210,08	214	140x10	16H7	175	188	183
67	211,45	213,27	217	140x10	16H7	177	191	186
68	214,63	216,45	220	140x10	16H7	181	195	190
69	217,81	219,63	223	140x10	16H7	185	198	193
70	221,00	222,82	226	140x10	16H7	187	201	196
71	224,18	226,00	230	140x10	16H7	191	204	199
72	227,36	229,18	233	140x10	20H7	193	207	202

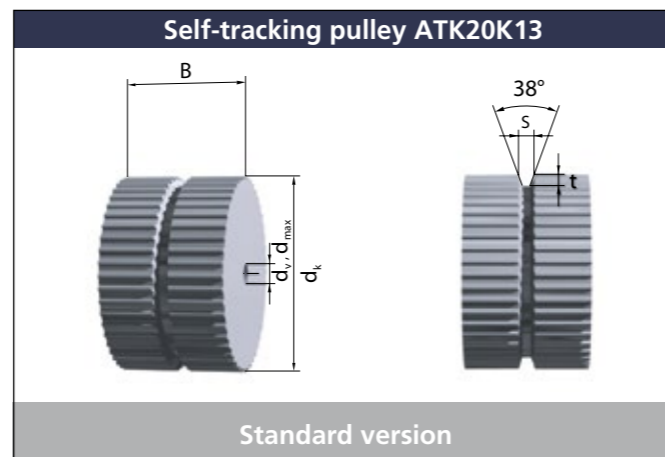
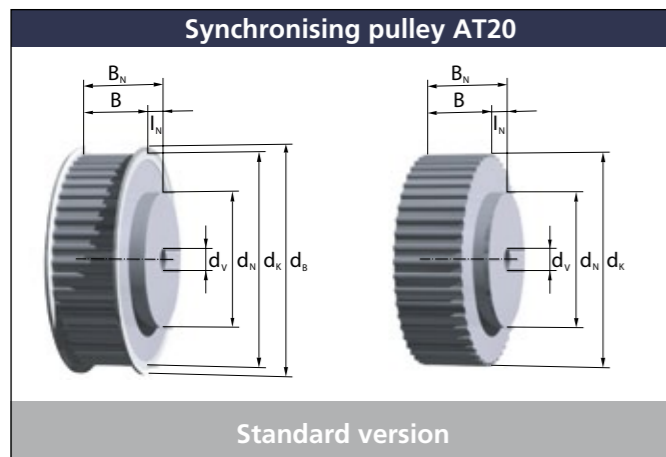
BRECO order example

Synchronising pulley AI 50 AT10 / 20 - 2 Hub 46x10

- Material
- Total width B_N
- Type / Pitch
- Number of teeth
- Number of flanges
- Hub dimension d_Nxl_N

Self-tracking pulley AI 50 ATK10K6 / 20 - d=15H7

- Material
- Width B
- Type / Pitch
- Number of teeth
- Bore



Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
AT20	32	40	50
AT20	50	60	70
AT20	75	85	95
AT20	100	110	120
ATK20K13	75	80	-
ATK20K13	100	105	-

K13	
s	t
13,5	7,5

Do you need other hub dimensions?
If so, feel free to contact our sales partner.

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						AT20	ATK20 K13
18	111,77	114,59	121	70x10	12H7	86	-
19	118,14	120,96	128	80x10	12H7	93	-
20	124,50	127,32	134	90x10	16H7	100	94
21	130,87	133,69	140	90x10	16H7	105	100
22	137,24	140,06	147	90x10	16H7	112	107
23	143,60	146,42	153	90x10	16H7	118	113
24	149,97	152,79	160	95x10	16H7	125	119
25	156,33	159,15	166	95x10	16H7	131	126
26	162,70	165,52	172	95x10	16H7	137	132
27	169,07	171,89	179	110x10	16H7	144	139
28	175,43	178,25	185	110x10	16H7	150	145
29	181,80	184,62	192	110x10	16H7	156	151
30	188,17	190,99	198	110x10	16H7	163	158
31	194,53	197,35	204	110x10	16H7	169	164
32	200,90	203,72	210	110x10	16H7	175	170
33	207,26	210,08	217	110x10	16H7	182	177
34	213,63	216,45	223	110x10	16H7	188	183
35	220,00	222,82	229	110x10	16H7	195	190
36	226,36	229,18	236	110x10	18H7	201	196
37	232,73	235,55	242	110x10	18H7	207	202
38	239,10	241,92	249	110x10	18H7	214	209
39	245,46	248,28	255	110x10	18H7	220	215
40	251,83	254,65	261	110x10	18H7	226	221
41	258,19	261,01	268	130x10	18H7	233	228
42	264,56	267,38	274	130x10	18H7	239	234
43	270,93	273,75	280	130x10	18H7	245	240
44	277,29	280,11	287	130x10	18H7	252	247
45	283,66	286,48	293	130x10	18H7	258	253

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						AT20	ATK20 K13
46	290,03	292,85	300	130x10	18H7	265	260
47	296,39	299,21	306	130x10	18H7	271	266
48	302,76	305,58	312	130x10	18H7	278	272
49	309,12	311,94	319	140x10	20H7	284	279
50	315,49	318,31	325	140x10	20H7	290	285
51	322,86	324,68	331	140x10	20H7	296	292
52	328,22	331,04	338	140x10	20H7	303	298
53	334,59	337,41	344	140x10	20H7	310	304
54	340,95	343,77	350	140x10	20H7	315	310
55	347,32	350,14	357	140x10	20H7	322	317
56	353,69	356,51	363	140x10	20H7	328	323
57	360,05	362,87	370	140x10	20H7	335	330
58	366,42	369,24	376	140x10	20H7	341	336
59	372,79	375,61	382	140x10	20H7	347	342
60	379,15	381,97	389	140x10	20H7	354	349
61	385,52	388,34	395	140x10	20H7	360	355
62	391,88	394,70	401	140x10	20H7	366	362
63	398,25	401,07	408	140x10	20H7	373	368
64	404,62	407,44	414	140x10	20H7	379	374
65	410,98	413,80	420	140x10	20H7	385	380
66	417,35	420,17	427	140x10	20H7	392	387
67	423,72	426,54	433	140x10	20H7	398	393
68	430,08	432,90	440	140x10	20H7	405	400
69	436,45	439,27	446	140x10	20H7	406	406
70	442,81	445,63	452	140x10	20H7	412	412
71	449,18	452,00	459	140x10	20H7	419	419
72	455,55	458,37	465	140x10	20H7	425	425

BRECO order example

Synchronising pulley AI 70 AT20 / 35 - 2 Hub 110x10

Material _____

Total width B_N _____

Type / Pitch _____

Number of teeth _____

Number of flanges _____

Hub dimension d_NxI_N _____

Self-tracking pulley AI 80 ATK20K13 / 40 - d=18H7

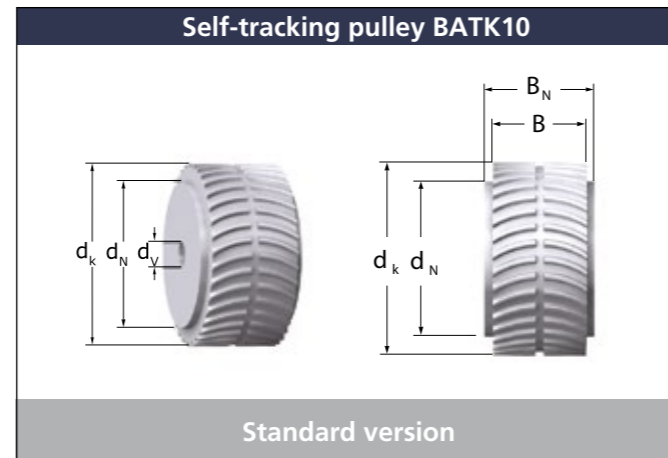
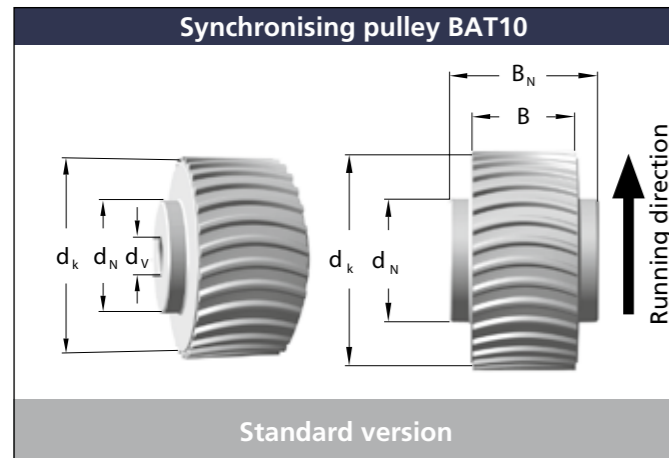
Material _____

Width B _____

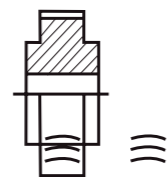
Type / Pitch _____

Number of teeth _____

Bore _____



Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
BAT10	25	30	40
BAT10	32	35	47
BAT10	50	55	65
BAT10	75	80	90
BAT10	100	105	115
BATK10	32	35	47
BATK10	50	55	65
BATK10	75	80	90
BATK10	100	105	115



Please state curve direction according to sketch in drawings!

Do you need other hub dimensions?
If so, feel free to contact our sales partner.

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
20	61,84	63,66	46x5	12H7	50
21	65,03	66,85	50x5	12H7	52
22	68,21	70,03	53x5	12H7	56
23	71,39	73,21	56x5	12H7	60
24	74,57	76,39	57x5	12H7	62
25	77,76	79,58	59x5	12H7	66
26	80,94	82,76	62x5	12H7	68
27	84,12	85,94	64x5	12H7	72
28	87,31	89,13	67x5	12H7	76
29	90,49	92,31	70x5	12H7	78
30	93,67	95,49	73x5	12H7	82
31	96,86	98,68	77x5	12H7	84
32	100,04	101,86	80x5	12H7	88
33	103,22	105,04	83x5	12H7	88
34	106,41	108,23	86x5	12H7	92
35	109,59	111,41	90x5	16H7	96
36	112,77	114,59	92x5	16H7	98
37	115,95	117,77	95x5	16H7	101
38	119,14	120,96	99x5	16H7	104
39	122,32	124,14	102x5	16H7	106
40	125,50	127,32	105x5	16H7	110
41	128,69	130,51	108x5	16H7	110
42	131,87	133,69	111x5	16H7	112
43	135,05	136,87	115x5	16H7	114
44	138,24	140,06	118x5	16H7	118
45	141,42	143,24	121x5	16H7	120
46	144,60	146,42	124x5	16H7	122
47	147,79	149,61	127x5	16H7	122
48	150,97	152,79	130x5	16H7	124

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
49	154,15	155,97	134x5	20H7	126
50	157,33	159,15	137x5	20H7	130
51	160,52	162,34	140x5	20H7	134
52	163,70	165,52	143x5	20H7	136
53	166,88	168,70	146x5	20H7	140
54	170,07	171,89	150x5	20H7	144
55	173,25	175,07	153x5	20H7	146
56	176,43	178,25	156x5	20H7	150
57	179,62	181,44	159x5	20H7	152
58	182,80	184,62	162x5	20H7	156
59	185,98	187,80	165x5	20H7	160
60	189,17	190,99	169x5	20H7	162
61	192,35	194,17	172x5	20H7	164
62	195,53	197,35	175x5	20H7	166
63	198,72	200,54	178x5	20H7	170
64	201,90	203,72	181x5	20H7	171
65	205,08	206,90	185x5	20H7	174
66	208,26	210,08	188x5	20H7	175
67	211,45	213,27	191x5	20H7	177
68	214,63	216,45	194x5	20H7	181
69	217,81	219,63	197x5	20H7	185
70	221,00	222,82	201x5	20H7	187
71	224,18	226,00	204x5	20H7	191
72	227,36	229,18	207x5	20H7	193

BRECO order example

Synchronising pulley

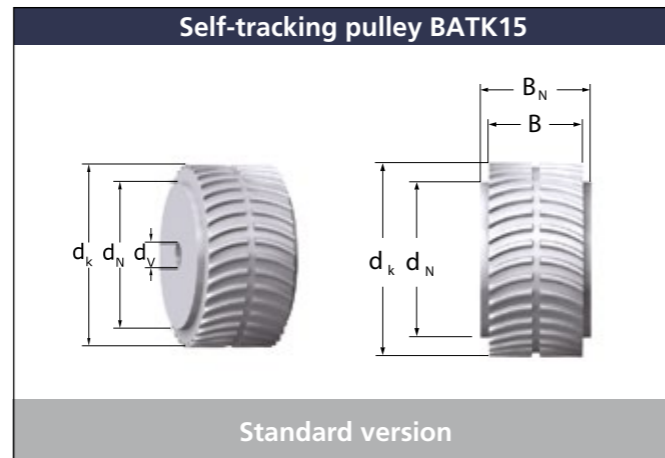
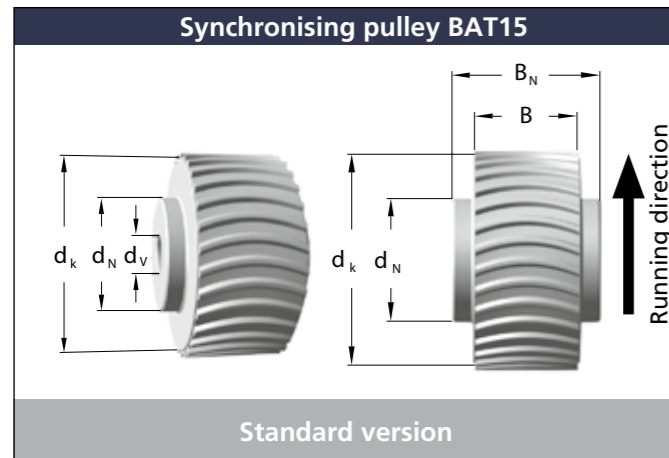
Al 65 BAT10 / 32 Hub 80x5 d=30H7 with groove

Material	
Total width B _N	
Type / Pitch	
Number of teeth	
Hub dimension d _N xl _N	
Bore	
Groove according to DIN 6885	

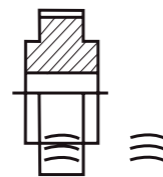
Self-tracking pulley

Al 90 BATK10 / 34 Hub 86x5 d=30H7 with groove

Material	
Total width B _N	
Type / Pitch	
Number of teeth	
Hub dimension d _N xl _N	
Bore	
Groove according to DIN 6885	



Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
BAT15	50	55	65
BAT15	75	80	90
BAT15	100	105	115
BATK15	50	55	65
BATK15	75	80	90
BATK15	100	105	115



Please state curve direction according to sketch in drawings!

Do you need other hub dimensions?
If so, feel free to contact our sales partner.

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
20	93,01	95,49	60x5	12H7	58
21	97,79	100,27	60x5	12H7	63
22	102,56	105,04	65x5	12H7	68
23	107,34	109,82	65x5	12H7	72
24	112,11	114,59	70x5	16H7	77
25	116,89	119,37	80x5	16H7	82
26	121,66	124,14	80x5	16H7	87
27	126,44	128,92	80x5	16H7	91
28	131,21	133,69	80x5	16H7	96
29	135,98	138,46	80x5	16H7	101
30	140,76	143,24	90x5	16H7	106
31	154,53	148,01	90x5	16H7	111
32	150,31	152,79	95x5	16H7	115
33	155,08	157,56	95x5	16H7	120
34	159,86	162,34	95x5	16H7	125
35	164,63	167,11	95x5	16H7	130
36	169,41	171,89	100x5	16H7	134
37	174,18	176,66	100x5	16H7	139
38	178,96	181,44	100x5	16H7	144
39	183,73	186,21	100x5	16H7	149
40	188,51	190,99	110x5	16H7	154
41	193,28	195,76	110x5	16H7	158
42	198,06	200,53	110x5	16H7	163
43	202,83	205,31	110x5	16H7	168
44	207,60	210,08	110x5	16H7	173
45	212,38	214,86	110x5	16H7	177
46	217,15	219,63	140x5	16H7	182
47	221,93	224,41	140x5	16H7	187
48	226,70	229,18	140x5	16H7	192

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
49	231,48	233,96	140x5	16H7	196
50	236,25	238,73	140x5	16H7	201
51	241,03	243,51	140x5	16H7	206
52	245,80	248,28	140x5	16H7	211
53	250,58	253,06	160x5	16H7	216
54	255,35	257,83	160x5	16H7	220
55	260,13	262,61	160x5	16H7	225
56	264,90	267,36	160x5	16H7	230
57	269,67	272,15	160x5	16H7	235
58	274,45	276,93	160x5	16H7	239
59	279,22	281,70	160x5	16H7	244
60	284,00	286,48	160x5	16H7	249
61	288,77	291,25	160x5	16H7	254
62	293,55	296,03	160x5	16H7	259
63	298,32	300,80	160x5	16H7	263
64	303,10	305,58	160x5	16H7	268
65	307,87	310,35	160x5	16H7	273
66	312,65	315,13	160x5	16H7	278
67	317,42	319,90	160x5	16H7	282
68	322,20	324,68	160x5	16H7	287
69	326,97	329,45	160x5	16H7	292
70	331,75	334,22	160x5	16H7	297
71	336,52	339,00	160x5	16H7	302
72	341,29	343,77	160x5	16H7	306

BRECO order example

Synchronising pulley

Al 75 BAT15 / 32 Hub 95x5 d=30H7 with groove

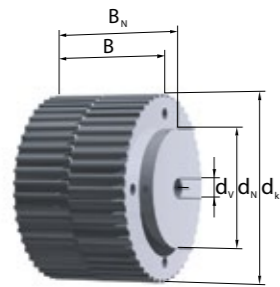
Material	
Total width B _N	
Type / Pitch	
Number of teeth	
Hub dimension d _N xl _N	
Bore	
Groove according to DIN 6885	

Self-tracking pulley

Al 75 BATK15 / 40 Hub 110x5 d=30H7 with groove

Material	
Total width B _N	
Type / Pitch	
Number of teeth	
Hub dimension d _N xl _N	
Bore	
Groove according to DIN 6885	

Synchronising pulley SFAT20



Standard version

Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
SFAT20	50	55	65
	75	80	90
	100	105	115

Please contact us if you need intermediate or larger widths or other hub dimensions.

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
18	111,77	114,59	70x10	12H7	70
19	118,14	120,96	80x10	12H7	76
20	124,50	127,32	90x10	16H7	83
21	130,87	133,69	90x10	16H7	89
22	137,24	140,06	90x10	16H7	95
23	143,60	146,42	90x10	16H7	102
24	149,97	152,79	95x10	16H7	108
25	156,33	159,15	95x10	16H7	114
26	162,70	165,52	95x10	16H7	121
27	169,07	171,89	110x10	16H7	127
28	175,43	178,25	110x10	16H7	133
29	181,80	184,62	110x10	16H7	140
30	188,17	190,99	110x10	16H7	146
31	194,53	197,35	110x10	16H7	153
32	200,90	203,72	110x10	16H7	159
33	207,26	210,08	110x10	16H7	165
34	213,63	216,45	110x10	16H7	172
35	220,00	222,82	110x10	16H7	178
36	226,36	229,18	110x10	18H7	184
37	232,73	235,55	110x10	18H7	191
38	239,10	241,92	110x10	18H7	197
39	245,46	248,28	110x10	18H7	203
40	251,83	254,65	110x10	18H7	210
41	258,19	261,01	130x10	18H7	216
42	264,56	267,38	130x10	18H7	223
43	270,93	273,75	130x10	18H7	229
44	277,29	280,11	130x10	18H7	235
45	283,66	286,48	130x10	18H7	242
46	290,03	292,85	130x10	18H7	248
47	296,39	299,21	130x10	18H7	254
48	302,76	305,58	130x10	18H7	261
49	309,12	311,94	130x10	20H7	267
50	315,49	318,31	140x10	20H7	273

z	d _k [mm]	d ₀ [mm]	Hub d _N xl _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]
51	321,86	324,68	140x10	20H7	280
52	328,22	331,04	140x10	20H7	286
53	334,59	337,41	140x10	20H7	293
54	340,95	343,77	140x10	20H7	299
55	347,32	350,14	140x10	20H7	305
56	353,69	356,51	140x10	20H7	312
57	360,05	362,87	140x10	20H7	318
58	366,42	369,24	140x10	20H7	324
59	372,79	375,61	140x10	20H7	331
60	379,15	381,97	140x10	20H7	337
61	385,52	388,34	140x10	20H7	344
62	391,88	394,70	140x10	20H7	350
63	398,25	401,07	140x10	20H7	356
64	404,62	407,44	140x10	20H7	363
65	410,98	413,80	140x10	20H7	369
66	417,35	420,17	140x10	20H7	375
67	423,72	426,54	140x10	20H7	382
68	430,08	432,90	140x10	20H7	388
69	436,45	439,27	140x10	20H7	394
70	442,81	445,63	140x10	20H7	401
71	449,18	452,00	140x10	20H7	407
72	455,55	458,37	140x10	20H7	414

BRECO order example

Synchronising pulley Al 90 SFAT20 / 45 - Hub 130x10

Material

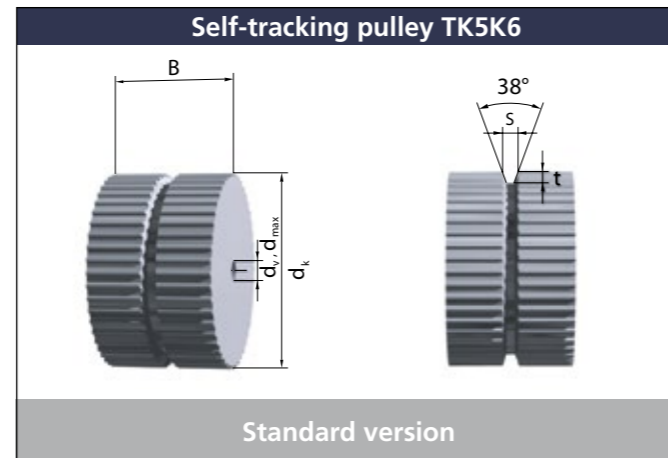
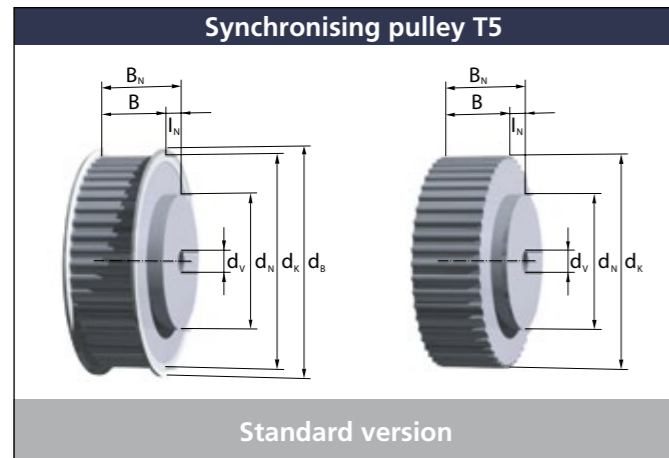
Total width B_N

Type / Pitch

Number of teeth

Hub dimension d_Nxl_N





Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
T5	6	12	18
T5	10	15	21
T5	16	21	27
T5	25	27	36
TK5K6	32	37	-
TK5K6	50	55	-

K6	
s	t
6,5	5

The T5 stock pulleys are marked in grey. Stock pulleys up to z=40 are supplied with flanges as standard, from z=48 without flanges. Self-tracking pulleys are production goods and only available from z=20.

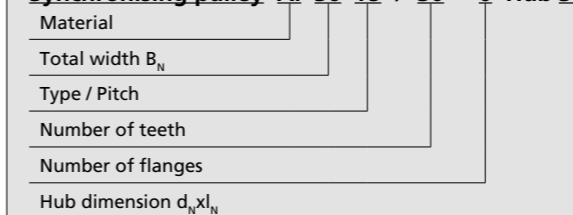
Please contact our sales partner if you require intermediate widths, larger widths or other hub dimensions.

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						T5	TK5K6
10	15,05	15,92	20	8x6	4H7	6	-
11	16,65	17,50	22	10x6	4H7	6	-
12	18,25	19,10	23	12x6	4H7	6	-
13	19,85	20,69	25	12x6	6H7	8	-
14	21,45	22,28	26	14x6	6H7	8	-
15	23,05	23,87	28	16x6	6H7	10	-
16	24,60	25,46	30	18x6	6H7	12	-
17	26,20	27,06	32	18x6	6H7	14	-
18	27,80	28,65	34	20x6	6H7	16	-
19	29,40	30,24	35	22x6	6H7	16	-
20	31,00	31,83	36	24x6	6H7	18	11
21	32,60	33,42	37	24x6	6H7	20	13
22	34,15	35,01	39	24x6	6H7	22	14
23	35,75	36,61	40	24x6	6H7	24	16
24	37,35	38,20	42	26x6	6H7	24	17
25	38,95	39,79	43	26x6	6H7	25	19
26	40,55	41,38	45	26x6	8H7	25	21
27	42,15	42,97	47	30x6	8H7	27	22
28	43,75	44,56	48	30x6	8H7	29	24
29	45,30	46,15	50	30x6	8H7	31	25
30	46,90	47,75	52	34x6	8H7	33	27
31	48,50	49,34	53	34x6	8H7	35	28
32	50,10	50,93	55	38x6	8H7	37	30
33	51,70	52,52	56	38x6	8H7	39	32
34	53,30	54,11	58	38x6	8H7	39	33
35	54,85	55,70	60	38x6	8H7	40	35
36	56,45	57,30	61	38x6	8H7	42	36
37	58,05	58,89	62	38x6	8H7	43	38
38	59,65	60,48	64	38x6	8H7	45	40
39	61,25	62,07	66	38x6	8H7	45	41
40	62,85	63,66	68	40x6	8H7	47	43

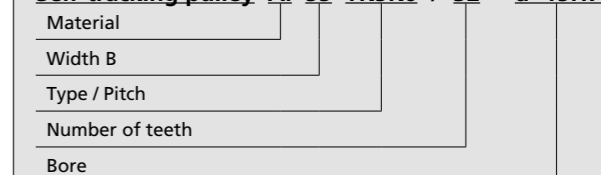
z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						T5	TK5K6
41	64,40	65,25	70	40x6	8H7	48	44
42	66,00	66,85	72	40x6	8H7	50	46
43	67,60	68,44	72	40x6	8H7	52	48
44	69,20	70,03	74	40x6	8H7	52	49
45	70,80	71,62	75	40x6	8H7	54	51
46	72,40	73,21	76	40x6	8H7	56	52
47	73,95	74,80	78	40x6	8H7	58	54
48	75,55	76,39	80	50x6	8H7	60	56
49	77,15	77,99	82	50x6	8H7	60	57
50	78,75	79,58	84	50x6	8H7	60	59
51	80,35	81,17	86	50x6	8H7	62	60
52	81,95	82,76	86	50x6	8H7	64	62
53	83,55	84,35	88	50x6	8H7	66	63
54	85,10	85,94	90	50x6	8H7	66	65
55	86,70	87,54	91	50x6	8H7	68	67
56	88,30	89,13	93	50x6	8H7	70	68
57	89,90	90,72	94	50x6	8H7	72	70
58	91,50	92,31	96	50x6	8H7	74	71
59	93,10	93,90	99	50x6	8H7	74	73
60	94,65	95,49	99	65x6	8H7	76	75
61	96,25	97,08	100	65x6	8H7	79	76
62	97,85	98,68	102	65x6	8H7	80	78
63	99,45	100,27	104	65x6	8H7	82	79
64	101,05	101,86	105	65x6	8H7	82	81
65	102,65	103,45	107	65x6	8H7	84	83
66	104,20	105,04	109	65x6	8H7	86	84
67	105,80	106,63	112	65x6	8H7	88	86
68	107,40	108,23	112	65x6	8H7	90	87
69	109,00	109,82	115	65x6	8H7	90	89
70	110,60	111,41	115	65x6	8H7	90	91
71	112,20	113,00	117	65x6	8H7	92	92
72	113,75	114,59	118	80x6	10H7	94	94

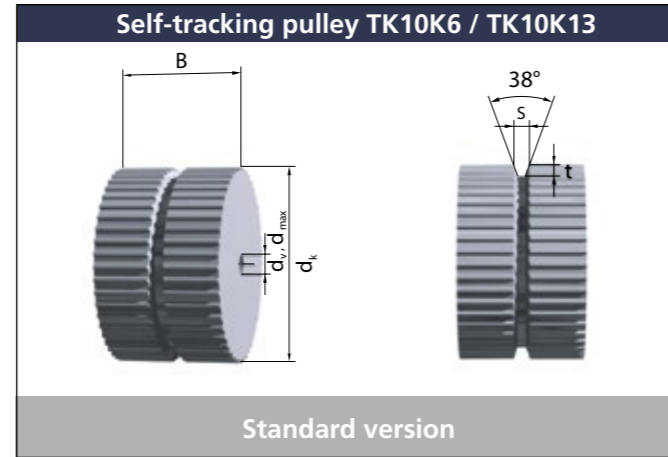
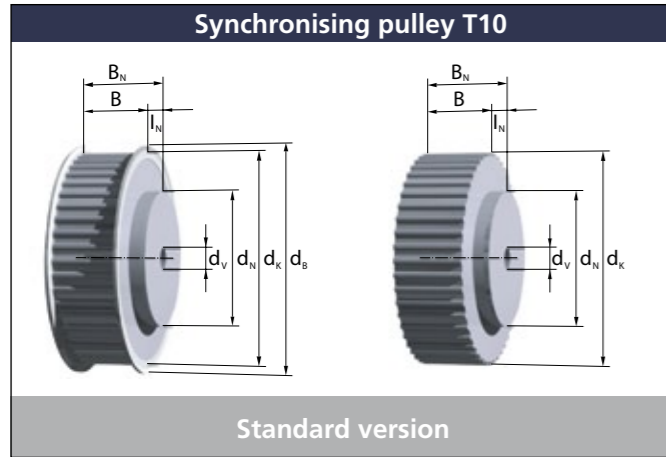
BRECO order example

Synchronising pulley AI 36 T5 / 30 - 0 Hub 34x6



Self-tracking pulley AI 55 TK5K6 / 32 - d=15H7





Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
T10	10	16	26
T10	16	21	31
T10	25	30	40
T10	32*	40	50
T10	50*	56	66
TK10K13	32	37	-
TK10K13	50	55	-
TK10K13	75	80	-
TK10K13	100	105	-
TK10K13	150	155	-
TK10K6	25	30	-
TK10K6	50	55	-

K6		K13	
s	t	s	t
6,5	5	13,5	7,5

The T10 stock pulleys are marked in grey. Stock pulleys up to z=40 are supplied with flanges as standard, from z=48 and without flanges. Self-tracking pulleys are production goods and only available from z=20.

Please contact our sales partner if you require intermediate widths, larger widths or other hub dimensions.

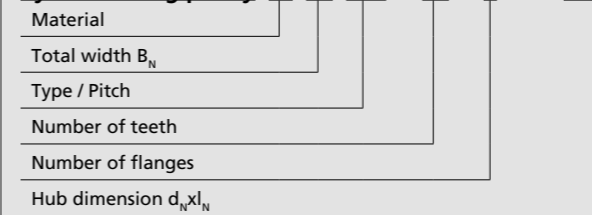
* from z=18 available

z	d _k [mm]	d _o [mm]	d _B	Hub d _N x _{l_N} [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]		
						T10	TK10 K6	TK10 K13
12	36,35	38,20	42	28x10	6H7	24	-	-
13	39,55	41,38	45	28x10	6H7	26	-	-
14	42,70	44,56	48	32x10	8H7	30	-	-
15	45,90	47,75	52	32x10	8H7	34	-	-
16	49,10	50,93	55	35x10	8H7	36	-	-
17	52,25	54,11	58	35x10	8H7	40	-	-
18	55,45	57,30	61	40x10	10H7	44	-	-
19	58,65	60,48	64	44x10	10H7	46	-	-
20	61,80	63,66	68	46x10	12H7	50	42	37
21	65,00	66,85	72	46x10	12H7	52	45	40
22	68,20	70,03	74	50x10	12H7	56	48	43
23	71,35	73,21	76	50x10	12H7	60	51	46
24	74,55	76,39	80	58x10	12H7	62	55	50
25	77,75	79,58	84	60x10	12H7	66	58	53
26	80,90	82,76	86	60x10	12H7	68	61	56
27	84,10	85,94	90	60x10	12H7	72	64	59
28	87,25	89,13	93	60x10	12H7	76	67	62
29	90,45	92,31	96	60x10	12H7	78	70	65
30	93,65	95,49	99	60x10	12H7	82	74	69
31	96,80	98,68	102	60x10	12H7	84	77	72
32	100,00	101,86	106	65x10	12H7	88	80	75
33	103,20	105,04	109	65x10	12H7	88	83	78
34	106,35	108,23	112	65x10	12H7	92	86	81
35	109,55	111,41	115	65x10	16H7	96	90	85
36	112,75	114,59	118	70x10	16H7	98	93	88
37	115,90	117,77	121	70x10	16H7	101	96	91
38	119,10	120,96	125	70x10	16H7	104	99	94
39	122,30	124,14	128	70x10	16H7	106	102	97
40	125,45	127,32	131	80x10	16H7	110	105	100
41	128,65	130,51	134	80x10	16H7	110	109	104

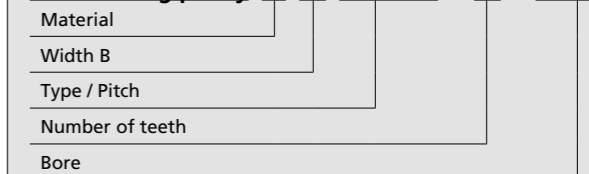
z	d _k [mm]	d _o [mm]	d _B	Hub d _N x _{l_N} [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]		
						T10	TK10 K6	TK10 K13
42	131,85	133,69	137	80x10	16H7	112	112	107
43	135,00	136,87	140	80x10	16H7	114	115	110
44	138,20	140,06	144	90x10	16H7	118	118	113
45	141,40	143,24	147	90x10	16H7	120	121	116
46	144,50	146,42	150	90x10	16H7	122	125	120
47	147,75	149,61	153	90x10	16H7	122	128	123
48	150,95	152,79	156	95x10	16H7	124	131	126
49	154,10	155,97	160	95x10	16H7	126	134	129
50	157,30	159,15	163	95x10	16H7	130	137	132
51	160,50	162,34	166	95x10	16H7	134	140	135
52	163,65	165,52	169	95x10	16H7	136	144	139
53	166,85	168,70	172	95x10	16H7	140	147	142
54	170,05	171,89	176	110x10	16H7	144	150	145
55	173,20	175,07	179	110x10	16H7	146	153	148
56	176,40	178,25	182	110x10	16H7	150	156	151
57	179,60	181,44	185	110x10	16H7	152	160	155
58	182,75	184,62	188	110x10	16H7	156	163	158
59	185,95	187,80	191	110x10	16H7	160	166	161
60	189,15	190,99	195	110x10	16H7	162	169	164
61	192,30	194,17	198	110x10	16H7	164	172	167
62	195,50	197,35	201	110x10	16H7	166	176	171
63	198,70	200,54	204	140x10	16H7	170	179	174
64	201,85	203,72	207	140x10	16H7	171	182	177
65	205,05	206,90	210	140x10	16H7	174	185	180
66	208,25	210,08	214	140x10	16H7	175	188	183
67	211,40	213,27	217	140x10	16H7	177	191	186
68	214,60	216,45	220	140x10	16H7	181	195	190
69	217,80	219,63	223	140x10	16H7	185	198	193
70	220,95	222,82	226	140x10	16H7	187	201	196
71	224,15	226,00	230	140x10	16H7	191	204	199
72	227,35	229,18	233	140x10	16H7	193	207	202

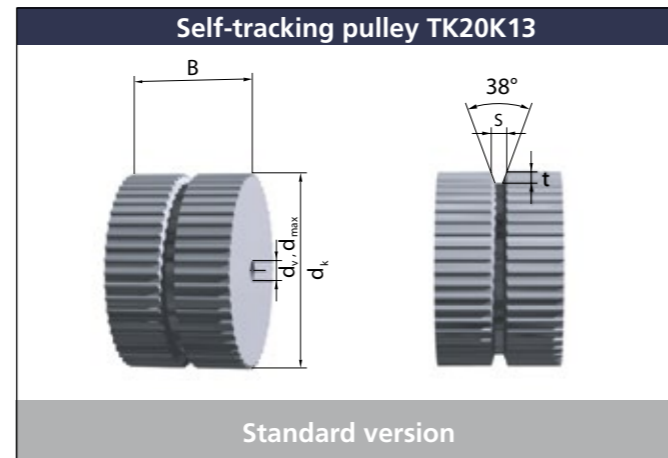
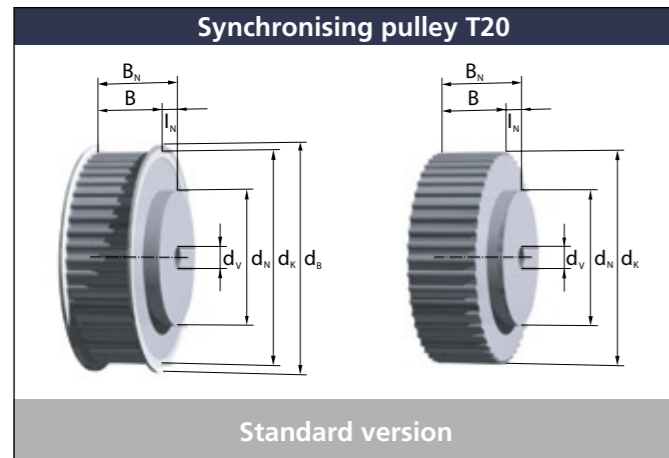
BRECO order example

Synchronising pulley A1 40 T10 / 30 - 0 Hub 60x10



Self-tracking pulley A1 80 TK10K13 / 35 - d=15H7





Type	Belt width b [mm]	Pulley width B [mm]	Total width B _N [mm]
T20	16	23	33
T20	25	32	42
T20	32	40	50
T20	50	60	70
T20	75	85	95
T20	100	110	120
TK20K13	50	55	-
TK20K13	75	80	-
TK20K13	100	105	-
TK20K13	150	155	-

K13	
s	t
13,5	7,5

Please contact us if you need intermediate or larger widths or other hub dimensions.

z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						T20	TK20 K13
15	92,65	95,49	102	60x10	12H7	67	62
16	99,00	101,86	109	70x10	12H7	74	69
17	105,35	108,23	115	70x10	12H7	80	75
18	111,75	114,59	121	70x10	12H7	86	91
19	118,10	120,96	128	80x10	12H7	93	98
20	124,45	127,32	134	90x10	16H7	100	94
21	130,85	133,69	140	90x10	16H7	105	100
22	137,20	140,06	147	90x10	16H7	112	107
23	143,55	146,42	153	90x10	16H7	118	113
24	149,95	152,79	160	95x10	16H7	125	119
25	156,30	159,15	166	95x10	16H7	131	126
26	162,65	165,52	172	95x10	16H7	137	132
27	169,05	171,89	179	110x10	16H7	144	139
28	175,40	178,25	185	110x10	16H7	150	145
29	181,75	184,62	192	110x10	16H7	156	151
30	188,15	190,99	198	110x10	16H7	163	158
31	194,50	197,35	204	110x10	16H7	169	164
32	200,85	203,72	210	110x10	16H7	175	170
33	207,25	210,08	217	110x10	16H7	182	177
34	213,60	216,45	223	110x10	16H7	188	183
35	219,95	222,82	229	110x10	16H7	195	190
36	226,35	229,18	236	110x10	18H7	201	196
37	232,70	235,55	242	110x10	18H7	207	202
38	239,05	241,92	249	110x10	18H7	214	209
39	245,40	248,28	255	110x10	18H7	220	215
40	251,80	254,65	261	110x10	18H7	226	221
41	258,15	261,01	268	130x10	18H7	233	228
42	264,50	267,38	274	130x10	18H7	239	234
43	270,90	273,75	280	130x10	18H7	245	240
44	277,25	280,11	287	130x10	18H7	252	247

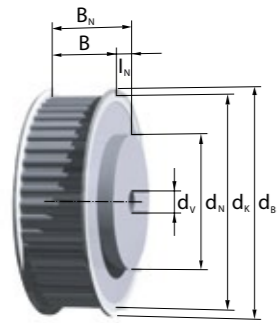
z	d _k [mm]	d ₀ [mm]	d _B	Hub d _N xI _N [mm]	Pre-bore d _v	Bore (max.) d _{max} [mm]	
						T20	TK20 K13
45	283,60	286,48	293	130x10	18H7	258	253
46	290,00	292,85	300	130x10	18H7	265	260
47	296,35	299,21	306	130x10	18H7	271	266
48	302,70	305,58	312	130x10	18H7	278	272
49	309,10	311,94	319	130x10	20H7	284	279
50	315,45	318,31	325	140x10	20H7	290	285
51	321,80	324,68	331	140x10	20H7	296	292
52	328,20	331,04	338	140x10	20H7	303	298
53	334,55	337,41	344	140x10	20H7	310	304
54	340,90	343,77	350	140x10	20H7	315	310
55	347,30	350,14	357	140x10	20H7	322	317
56	353,65	356,51	363	140x10	20H7	328	323
57	360,00	362,87	370	140x10	20H7	335	330
58	366,40	369,24	376	140x10	20H7	341	336
59	372,75	375,61	382	140x10	20H7	347	342
60	379,10	381,97	389	140x10	20H7	354	349
61	385,50	388,34	395	140x10	20H7	360	355
62	391,85	394,70	401	140x10	20H7	366	362
63	398,20	401,07	408	140x10	20H7	373	368
64	404,55	407,44	414	140x10	20H7	379	374
65	410,95	413,80	420	140x10	20H7	385	380
66	417,30	420,17	427	140x10	20H7	392	387
67	423,65	426,54	433	140x10	20H7	398	393
68	430,05	432,90	440	140x10	20H7	405	400
69	436,40	439,27	446	140x10	20H7	406	406
70	442,75	445,63	452	140x10	20H7	412	412
71	449,15	452,00	459	140x10	20H7	419	419
72	455,50	458,37	465	140x10	20H7	425	425

BRECO order example

Synchronising pulley AI 50 T20 / 30 - 2 Hub 110x10
 Material _____
 Total width B_N _____
 Type / Pitch _____
 Number of teeth _____
 Number of flanges _____
 Hub dimension d_NxI_N _____

Self-tracking pulley AI 80 TK20K13 / 35 - d=16H7
 Material _____
 Width B _____
 Type / Pitch _____
 Number of teeth _____
 Bore _____

Synchronising pulley 14M



Standard version 6F

z	d _k [mm]	d ₀ [mm]	d _B [mm]	Hub d _N x l _N [mm]	Total width B _N (F) [mm]	Too- thed width B _N (L) [mm]	Pre- bore d _v
Belt width b=85 mm							
28	122,12	124,78	127	100x15	117	102	24
29	126,57	129,23	138	100x15	117	102	24
30	130,99	133,69	138	100x15	117	102	24
32	139,88	142,60	154	100x15	117	102	24
34	148,79	151,52	160	100x15	117	102	24
36	157,68	160,43	168	100x15	117	102	32
38	166,60	169,34	183	120x15	117	102	32
40	175,49	178,25	188	120x15	117	102	32
44	193,28	196,08	211	120x15	117	102	32
48	211,11	213,90	226	135x15	117	102	32
56	246,76	249,55	256	135x15	117	102	32
64	282,41	285,20	296	135x15	117	102	32
72	318,06	320,86	332	135x15	117	102	32
80	353,71	356,51	368	135x15	117	102	32

Belt width b=40 mm							
z	d _k [mm]	d ₀ [mm]	d _B [mm]	Hub d _N x l _N [mm]	Total width B _N (F) [mm]	Too- thed width B _N (L) [mm]	Pre- bore d _v
28	122,12	124,78	127	100x15	69	54	24
29	126,57	129,23	138	100x15	69	54	24
30	130,99	133,69	138	100x15	69	54	24
32	139,88	142,60	154	100x15	69	54	24
34	148,79	151,52	160	100x15	69	54	24
36	157,68	160,43	168	100x15	69	54	24
38	166,6	169,34	183	120x15	69	54	24
40	175,49	178,25	188	120x15	69	54	24
44	193,28	196,08	211	120x15	69	54	24
48	211,11	213,90	226	135x15	69	54	28
56	246,76	249,55	256	135x15	69	54	28
64	282,41	285,20	296	135x15	69	54	28
72	318,06	320,86	332	135x15	69	54	28
80	353,71	356,51	368	135x15	69	54	28
Belt width b=55 mm							
28	122,12	124,78	127	100x15	85	70	24
29	126,57	129,23	138	100x15	85	70	24
30	130,99	133,69	138	100x15	85	70	24
32	139,88	142,60	154	100x15	85	70	24
34	148,79	151,52	160	100x15	85	70	24
36	157,68	160,43	168	100x15	85	70	24
38	166,60	169,34	183	120x15	85	70	24
40	175,49	178,25	188	120x15	85	70	24
44	193,28	196,08	211	120x15	85	70	24
48	211,11	213,90	226	135x15	85	70	28
56	246,76	249,55	256	135x15	85	70	28
64	282,41	285,20	296	135x15	85	70	28
72	318,06	320,86	332	135x15	85	70	28
80	353,71	356,51	368	135x15	85	70	28

Material: Steel (C45)

Product name 30 - 14M - 85

Number of teeth

Pitch

Belt width

BRECO order example

Synchronising pulley St 117 - 14M / 30 - 2 Hub 100x15 d=24

Material

Total width B_N

Type / Pitch

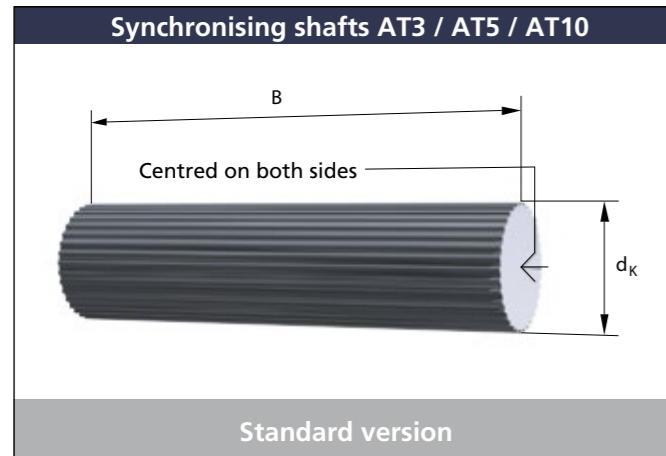
Number of teeth

Number of flanges

Hub dimension d_N x l_N

Bore





BRECO order example

Synchronising shaft Al 180 AT5 - SE / 48

Material
Width B
Type / Pitch
Gap design
Number of teeth

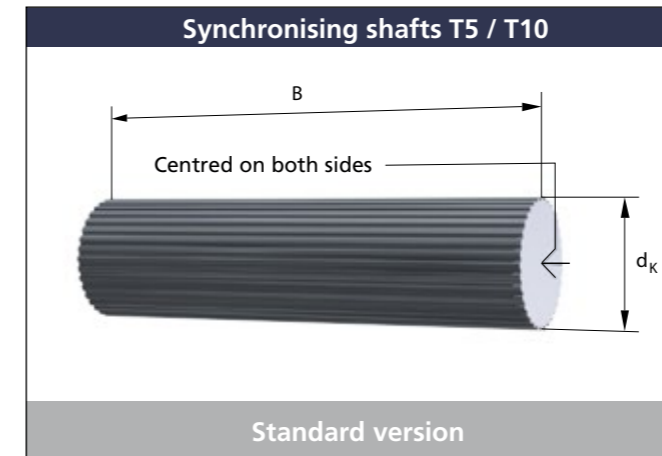
Tooth gaps:

- Normal gap (Standard, without ordering addition)
- SE gap (ordering addition: -SE)
- Zero gap (ordering addition: -0)

Material: AlCuMg1

The stock program is marked in grey. Further materials and numbers of teeth are available.

z	AT3			AT5			AT10		
	B	d _k [mm]	d ₀ [mm]	B	d _k [mm]	d ₀ [mm]	B	d _k [mm]	d ₀ [mm]
15	100	13,91	14,32	150	22,65	23,87	180	45,93	47,75
16	100	14,87	15,28	150	24,24	25,46	180	49,11	50,93
18	100	16,78	17,19	150	27,43	28,65	180	55,48	57,30
19	100	17,73	18,14	150	29,02	30,24	180	58,66	60,48
20	150	18,69	19,10	180	30,61	31,83	180	61,84	63,66
22	150	20,60	21,01	180	33,79	35,01	180	68,21	70,03
24	150	22,51	22,92	180	36,98	38,20	180	74,57	76,39
25	150	23,46	23,87	180	38,57	39,79	180	77,76	79,58
27	180	25,37	25,78	180	41,75	42,97	180	84,12	85,94
28	180	26,33	26,74	180	43,34	44,56	180	87,31	89,13
30	180	28,24	28,65	180	46,53	47,75	180	93,67	95,49
32	180	30,15	30,56	180	49,71	50,93	180	100,04	101,86
36	180	33,97	34,38	180	56,08	57,30	180	112,77	114,59
40	180	37,79	38,20	180	62,44	63,66	180	125,50	127,32
44	180	41,61	42,02	180	68,81	70,03	180	138,24	140,06
48	180	45,43	45,84	180	75,17	76,39	180	150,97	152,79
60	180	56,89	57,30	180	94,27	95,49	180	189,17	190,99
72	180	68,34	68,75	180	113,37	114,59	180	227,36	229,18
100	180	95,08	95,49	180	157,93	159,15	180	316,49	318,31



BRECO order example

Synchronising shaft Al 180 T5 - SE / 48

Material
Width B
Type / Pitch
Gap design
Number of teeth

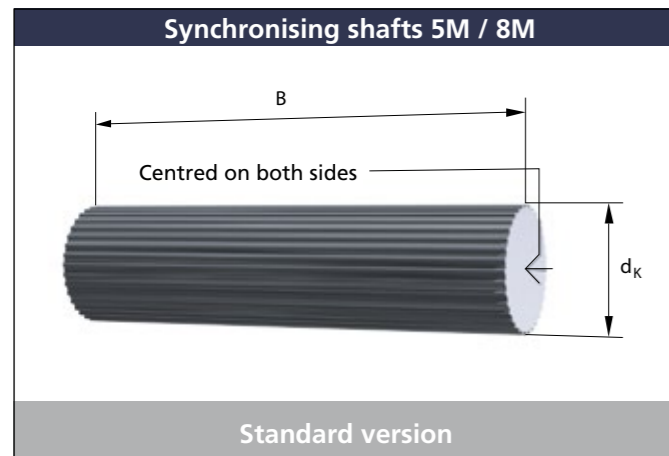
Tooth gaps:

- Normal gap (Standard, without ordering addition)
- SE gap (ordering addition: -SE)
- Zero gap (ordering addition: -0)

Material: AlCuMg1

The stock program is marked in grey. Further materials and numbers of teeth are available.

z	T5			T10		
	B	d _k [mm]	d ₀ [mm]	B	d _k [mm]	d ₀ [mm]
12	150	18,25	19,10	180	36,35	38,20
14	150	21,45	22,28	180	42,70	44,56
15	150	23,05	23,87	180	45,90	47,75
16	150	24,60	25,46	180	49,10	50,93
18	180	27,80	28,65	180	55,45	57,30
19	180	29,40	30,24	180	58,65	60,48
20	180	31,00	31,83	180	61,80	63,66
22	180	34,15	35,01	180	68,20	70,03
24	180	37,35	38,20	180	74,55	76,39
25	180	38,95	39,79	180	77,75	79,58
27	180	42,15	42,97	180	84,10	85,94
30	180	46,90	47,75	180	93,65	95,49
32	180	50,10	50,93	180	100,00	101,86
36	180	56,45	57,30	180	112,75	114,59
40	180	62,85	63,66	180	125,45	127,32
48	180	75,55	76,39	180	150,95	152,79
60	180	94,65	95,49	180	189,15	190,99
72	180	113,25	114,59	180	227,35	229,18



BRECO order example

Synchronising shaft Al 180 5M / 32

Material

Width B

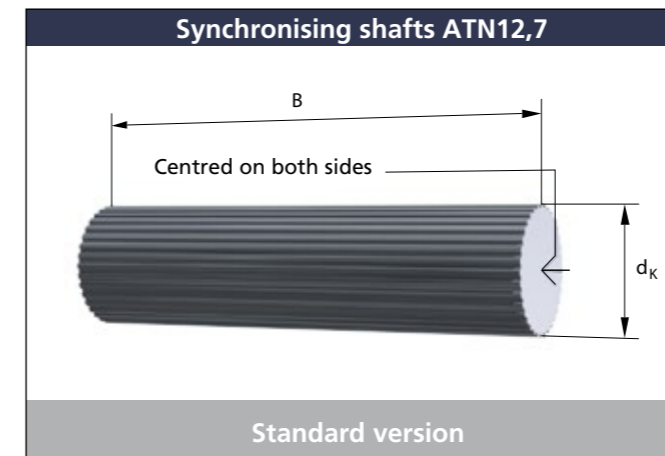
Type / Pitch

Number of teeth

Material: AlCuMg1

The stock program is marked in grey. Further materials and numbers of teeth are available.

z	5M			8M		
	B	d _k [mm]	d ₀ [mm]	B	d _k [mm]	d ₀ [mm]
20	180	30,69	31,83	-	-	-
24	180	37,06	38,20	180	59,75	61,12
25	180	38,65	39,79	180	62,29	63,66
27	180	41,83	42,97	180	67,38	68,75
30	180	46,60	47,75	180	75,13	76,39
32	180	49,79	50,93	180	80,16	81,49
36	180	56,16	57,30	180	90,30	91,67
40	180	62,52	63,66	180	100,49	101,86
48	180	75,25	76,39	180	120,86	122,23
60	180	94,35	95,49	180	151,42	152,79
72	180	113,45	114,59	180	181,97	183,35



BRECO order example

Synchronising shaft Al 180 ATN12,7 - SE / 48

Material

Width B

Type / Pitch

Tooth gap

Number of teeth

Tooth gaps:

- Normal gap (Standard, without ordering addition)
- SE gap (ordering addition: -SE)
- Zero gap (ordering addition: -0)

Material: AlCuMg1

The stock program is marked in grey. Further materials and numbers of teeth are available.

z	ATN12,7		
	B	d _k [mm]	d ₀ [mm]
20	180	79,03	80,85
24	180	95,20	97,02
25	180	99,24	101,06
27	180	107,33	109,15
30	180	119,46	121,28
32	180	127,54	129,36
36	180	143,71	145,53
40	180	159,88	161,70
48	180	192,22	194,04
60	180	240,73	242,55
72	180	289,24	291,06