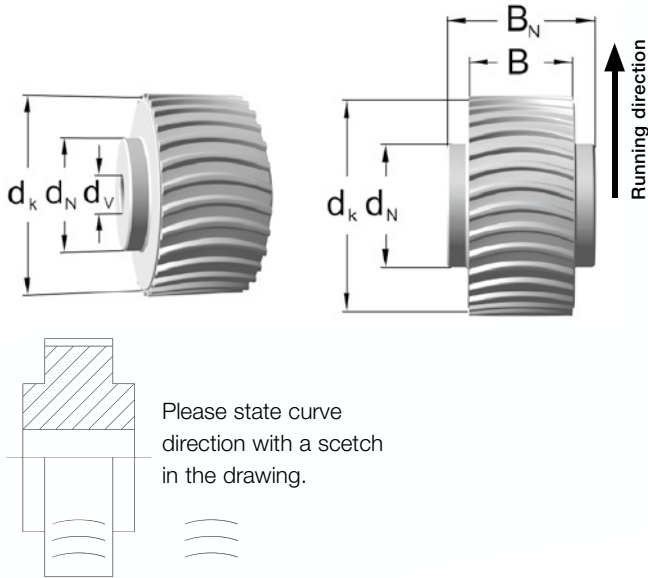


Timing pulleys self-tracking Profiles

BAT 10



Order example:

Pulley Al 115 BAT 10 / 25 double Hub 59x5 d=30H7 with keyway
 Material _____
 Width B_N _____
 Type / pitch _____
 Number of teeth _____
 Hub dimension ($d_N \times l_N$) _____
 Bore _____
 Keyway to DIN 6685 _____

Refer to page 14 for further ordering information.

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

Material:

Pulley: AlCu4MgSi, RoHS-conformant

In-between widths and larger widths as well as other hub dimensions are available.

- z = Number of teeth
- d_k = Outside diameter
- d_o = Pitch circle diameter
- d_B = Flange diameter
- d_N = Hub diameter

- l_N = Hub length
- d_v = Pre-bore diameter
- d_{max} = max. bore diameter without keyway for flanged timing pulleys; no hub at maximum pre-bore

z	d_k [mm]	d_o [mm]	Hub		Bore	
			d_B [mm]	$d_N \times l_N$ [mm]	d_v [mm]	d_{max} [mm]
20	61,84	63,66	67	46x5	12H7	50
21	65,03	66,85	70	50x5	12H7	52
22	68,21	70,03	74	53x5	12H7	56
23	71,39	73,21	76	56x5	12H7	60
24	74,57	76,39	80	57x5	12H7	62

z	d_k [mm]	d_o [mm]	Hub		Bore	
			d_B [mm]	$d_N \times l_N$ [mm]	d_v [mm]	d_{max} [mm]
25	77,76	79,58	82	59x5	12H7	66
26	80,94	82,76	86	62x5	12H7	68
27	84,12	85,94	90	64x5	12H7	72
28	87,31	89,13	93	67x5	12H7	76
29	90,49	92,31	96	70x5	12H7	78
30	93,67	95,49	99	73x5	12H7	82
31	96,86	98,68	102	77x5	12H7	84
32	100,04	101,86	105	80x5	12H7	88
33	103,22	105,04	109	83x5	12H7	88
34	106,41	108,23	112	86x5	12H7	92

BAT 10

z	Hub			Bore		
	d _K [mm]	d ₀ [mm]	d _B [mm]	d _N x l _N [mm]	d _V [mm]	d _{max} [mm]
35	109,59	111,41	115	90x5	16H7	96
36	112,77	114,59	118	92x5	16H7	98
37	115,95	117,77	121	95x5	16H7	101
38	119,14	120,96	125	99x5	16H7	104
39	122,32	124,14	128	102x5	16H7	106
40	125,50	127,32	131	105x5	16H7	110
41	128,69	130,51	134	108x5	16H7	110
42	131,87	133,69	137	111x5	16H7	112
43	135,05	136,87	140	115x5	16H7	114
44	138,24	140,06	144	118x5	16H7	118
45	141,42	143,24	147	121x5	16H7	120
46	144,60	146,42	150	124x5	16H7	122
47	147,79	149,61	153	127x5	16H7	122
48	150,97	152,79	156	130x5	20H7	124
49	154,15	155,97	160	134x5	20H7	126
50	157,33	159,15	162	137x5	20H7	130
51	160,52	162,34	166	140x5	20H7	134
52	163,70	165,52	169	143x5	20H7	136
53	166,88	168,70	172	146x5	20H7	140
54	170,07	171,89	176	150x5	20H7	144
55	173,25	175,07	178	153x5	20H7	146
56	176,43	178,25	182	156x5	20H7	150
57	179,62	181,44	185	159x5	20H7	152
58	182,80	184,62	188	162x5	20H7	156
59	185,98	187,80	191	165x5	20H7	160
60	189,17	190,99	195	169x5	20H7	162
61	192,35	194,17	198	172x5	20H7	164
62	195,53	197,35	201	175x5	20H7	166
63	198,72	200,54	204	178x5	20H7	170
64	201,90	203,72	207	181x5	20H7	171
65	205,08	206,90	210	185x5	20H7	174
66	208,26	210,08	214	188x5	20H7	175
67	211,45	213,27	217	191x5	20H7	177
68	214,63	216,45	220	194x5	20H7	181
69	217,81	219,63	223	197x5	20H7	185
70	221,00	222,82	226	201x5	20H7	187
71	224,18	226,00	230	204x5	20H7	191
72	227,36	229,18	232	207x5	20H7	193
73	230,55	232,37	236	210x5	20H7	197
74	233,73	235,55	239	213x5	20H7	201

z	Hub			Bore		
	d _K [mm]	d ₀ [mm]	d _B [mm]	d _N x l _N [mm]	d _V [mm]	d _{max} [mm]
75	236,91	238,73	242	216x5	20H7	203
76	240,10	241,92	246	220x5	20H7	207
77	243,28	245,10	249	223x5	20H7	209
78	246,46	248,28	252	226x5	20H7	213
79	249,64	251,46	255	229x5	20H7	215
80	252,83	254,65	258	232x5	20H7	219
81	256,01	257,83	261	236x5	20H7	223
82	259,19	261,01	265	239x5	20H7	225
83	262,38	264,20	268	242x5	20H7	229
84	265,56	267,38	271	245x5	20H7	231
85	268,74	270,56	274	248x5	20H7	235
86	271,93	273,75	277	251x5	20H7	239
87	275,11	276,93	280	255x5	20H7	241
88	278,29	280,11	284	258x5	20H7	245
89	281,48	283,30	287	261x5	20H7	247
90	284,66	286,48	290	264x5	20H7	251
91	287,84	289,66	293	267x5	20H7	255
92	291,03	292,85	296	271x5	20H7	257
93	294,21	296,03	300	274x5	20H7	261
94	297,39	299,21	302	277x5	20H7	263
95	300,57	302,39	306	280x5	24H7	267
96	303,76	305,58	309	283x5	24H7	269
97	306,94	308,76	312	286x5	24H7	273
98	310,12	311,94	315	290x5	24H7	279
99	313,31	315,13	318	293x5	24H7	283
100	316,49	318,31	322	296x5	24H7	285
101	319,67	321,49	325	299x5	24H7	289
102	322,86	324,68	328	302x5	24H7	293
103	326,04	327,86	332	306x5	24H7	295
104	329,22	331,04	335	309x5	24H7	299
105	332,41	334,23	338	312x5	24H7	301
106	335,59	337,41	341	315x5	24H7	305
107	338,77	340,59	344	318x5	24H7	309
108	341,95	343,77	347	321x5	24H7	311
109	345,14	346,96	351	325x5	24H7	315
110	348,32	350,14	354	328x5	24H7	317
111	351,50	353,32	357	331x5	24H7	321
112	354,69	356,51	360	334x5	24H7	323
113	357,87	359,69	363	337x5	24H7	327
114	361,05	362,87	367	341x5	24H7	330