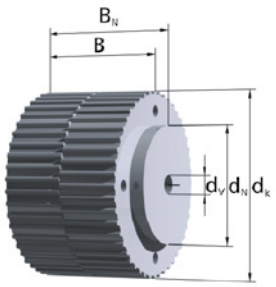
Timing pulleys self-tracking Profiles

SFAT 10



Order example:

Pulley AL 65 SFAT 10 / 40 Hub 80x10; dv

- Material
- Total width B_N
- Type / pitch
- Number of teeth
- Hub dimension d_N x l_N

Note for part code:
dv = Diameter pre-drilled.
Refer to page 14 for further ordering information.

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

Material:
Pulley: AlCu4MgSi, RoHS-conformant

Other dimensions.

z = Number of teeth
d_k = Outside diameter
d_0 = Pitch circle diameter
d_N = Hub diameter
l_N = Hub length
d_B = Flange diameter
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_0 [mm]	Hub d_N x l_N [mm]	Bore d_V [mm]	Bore d_{max} [mm]
15	45,93	47,75	32x10	8H7	17
16	49,11	50,93	35x10	8H7	20
17	52,29	54,11	40x10	8H7	24
18	55,48	57,30	40x10	10H7	27
19	58,66	60,48	44x10	10H7	30
20	61,84	63,66	46x10	12H7	33
21	65,03	66,85	46x10	12H7	36
22	68,21	70,03	50x10	12H7	40
23	71,39	73,21	50x10	12H7	43
24	74,57	76,39	58x10	12H7	46
25	77,76	79,58	60x10	12H7	49
26	80,94	82,76	60x10	12H7	52
27	84,12	85,94	60x10	12H7	55
28	87,31	89,13	60x10	12H7	59
29	90,49	92,31	60x10	12H7	62

z	d_K [mm]	d_0 [mm]	Hub d_N x l_N [mm]	Bore d_V [mm]	Bore d_{max} [mm]
30	93,67	95,49	60x10	12H7	65
31	96,86	98,68	60x10	12H7	68
32	100,04	101,86	65x10	12H7	71
33	103,22	105,04	65x10	12H7	75
34	106,41	108,23	65x10	12H7	78
35	109,59	111,41	65x10	12H7	81
36	112,77	114,59	70x10	16H7	84
37	115,95	117,77	70x10	16H7	87
38	119,14	120,96	70x10	16H7	90
39	122,32	124,14	70x10	16H7	94
40	125,50	127,32	80x10	16H7	97
41	128,69	130,51	80x10	16H7	100
42	131,87	133,69	80x10	16H7	103
43	135,05	136,87	80x10	16H7	106
44	138,24	140,06	90x10	16H7	110

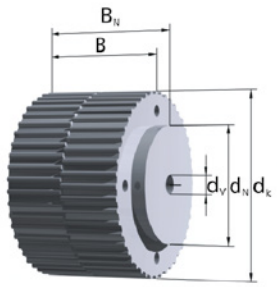
SFAT 10

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	d_{max} [mm]
45	141,42	143,24	90x10	16H7	113
46	144,60	146,42	90x10	16H7	116
47	147,79	149,61	90x10	16H7	119
48	150,97	152,79	95x10	16H7	122
49	154,15	155,97	95x10	16H7	125
50	157,33	159,15	95x10	16H7	129
51	160,52	162,34	95x10	16H7	132
52	163,70	165,52	110x10	16H7	135
53	166,88	168,70	110x10	16H7	138
54	170,07	171,89	110x10	16H7	141
55	173,25	175,07	110x10	16H7	145
56	176,43	178,25	110x10	16H7	148
57	179,62	181,44	110x10	16H7	151
58	182,80	184,62	110x10	16H7	154
59	185,98	187,80	110x10	16H7	157
60	189,17	190,99	110x10	16H7	160
61	192,35	194,17	110x10	16H7	164
62	195,53	197,35	110x10	16H7	167
63	198,72	200,54	140x10	16H7	170
64	201,90	203,72	140x10	16H7	173
65	205,08	206,90	140x10	16H7	176
66	208,26	210,08	140x10	16H7	180
67	211,45	213,27	140x10	16H7	183
68	214,63	216,45	140x10	16H7	186
69	217,81	219,63	140x10	16H7	189
70	221,00	222,82	140x10	16H7	192
71	224,18	226,00	140x10	16H7	195
72	227,36	229,18	140x10	16H7	199
73	230,55	232,37	140x10	20H7	202
74	233,73	235,55	140x10	20H7	205
75	236,91	238,73	140x10	20H7	208
76	240,10	241,92	140x10	20H7	211
77	243,28	245,10	160x10	20H7	215
78	246,46	248,28	160x10	20H7	218
79	249,64	251,46	160x10	20H7	221

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	d_{max} [mm]
80	252,83	254,65	160x10	20H7	224
81	256,01	257,83	160x10	20H7	227
82	259,19	261,01	160x10	20H7	230
83	262,38	264,20	160x10	20H7	234
84	265,56	267,38	160x10	20H7	237
85	268,74	270,56	160x10	20H7	240
86	271,93	273,75	160x10	20H7	243
87	275,11	276,93	160x10	20H7	246
88	278,29	280,11	160x10	20H7	250
89	281,48	283,30	160x10	20H7	253
90	284,66	286,48	160x10	20H7	256
91	287,84	289,66	160x10	20H7	259
92	291,03	292,85	160x10	20H7	262
93	294,21	296,03	160x10	20H7	266
94	297,39	299,21	160x10	20H7	269
95	300,57	302,39	160x10	24H7	272
96	303,76	305,58	180x10	24H7	275
97	306,94	308,76	180x10	24H7	278
98	310,12	311,94	180x10	24H7	281
99	313,31	315,13	180x10	24H7	285
100	316,49	318,31	180x10	24H7	288
101	319,67	321,49	180x10	24H7	291
102	322,86	324,68	180x10	24H7	294
103	326,04	327,86	180x10	24H7	297
104	329,22	331,04	180x10	24H7	301
105	332,41	334,23	180x10	24H7	304
106	335,59	337,41	180x10	24H7	307
107	338,77	340,59	180x10	24H7	310
108	341,95	343,77	180x10	24H7	313
109	345,14	346,96	180x10	24H7	316
110	348,32	350,14	180x10	24H7	320
111	351,50	353,32	180x10	24H7	323
112	354,69	356,51	180x10	24H7	326
113	357,87	359,69	180x10	24H7	329
114	361,05	362,87	180x10	24H7	332

Timing pulleys self-tracking Profiles

SFAT 15



Order example:

Pulley AL 70 SFAT 15 / 40 Hub 110x10; dv

- Material
- Total width B_N
- Type / pitch
- Number of teeth
- Hub dimension d_N x l_N

Note for part code:
dv = Diameter pre-drilled.
Refer to page 14 for further ordering information.

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

Material:
Pulley: AlCu4MgSi, RoHS-conformant

Other dimensions.

z = Number of teeth
d_K = Outside diameter
d_0 = Pitch circle diameter
d_N = Hub diameter
l_N = Hub length
d_B = Flange diameter
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_0 [mm]	Hub d_N x l_N [mm]	Bore d_V [mm]	Bore d_{max} [mm]
20	93,01	95,49	60x10	12H7	58
21	97,79	100,27	60x10	12H7	63
22	102,56	105,04	65x10	12H7	68
23	107,34	109,82	65x10	12H7	72
24	112,11	114,59	70x10	12H7	77
25	116,89	119,37	80x10	12H7	82
26	121,66	124,14	80x10	12H7	87
27	126,44	128,92	80x10	12H7	91
28	131,21	133,69	80x10	12H7	96
29	135,98	138,46	80x10	12H7	101
30	140,76	143,24	90x10	12H7	106
31	145,53	148,01	90x10	12H7	111
32	150,31	152,79	95x10	12H7	115
33	155,08	157,56	95x10	16H7	120
34	159,86	162,34	95x10	16H7	125
35	164,63	167,11	95x10	16H7	130
36	169,41	171,89	100x10	16H7	134
37	174,18	176,66	100x10	16H7	139
38	178,96	181,44	100x10	16H7	144
39	183,73	186,21	100x10	16H7	149
40	188,51	190,99	110x10	16H7	154
41	193,28	195,76	110x10	16H7	158
42	198,05	200,54	110x10	16H7	163
43	202,83	205,31	110x10	16H7	168
44	207,60	210,08	110x10	16H7	173

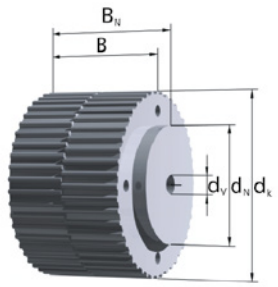
SFAT 15

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	d_{max} [mm]
45	212,38	214,86	110x10	16H7	177
46	217,15	219,63	140x10	16H7	182
47	221,93	224,41	140x10	16H7	187
48	226,70	229,18	140x10	16H7	192
49	231,48	233,96	140x10	16H7	196
50	236,25	238,73	140x10	16H7	201
51	241,03	243,51	140x10	16H7	206
52	245,80	248,28	140x10	16H7	211
53	250,58	253,06	160x10	16H7	216
54	255,35	257,83	160x10	16H7	220
55	260,13	262,61	160x10	16H7	225
56	264,90	267,38	160x10	16H7	230
57	269,67	272,15	160x10	16H7	235
58	274,45	276,93	160x10	16H7	239
59	279,22	281,70	160x10	16H7	244
60	284,00	286,48	160x10	16H7	249
61	288,77	291,25	160x10	16H7	254
62	293,55	296,03	160x10	16H7	259
63	298,32	300,80	160x10	16H7	263
64	303,10	305,58	160x10	16H7	268
65	307,87	310,35	160x10	16H7	273
66	312,65	315,13	160x10	16H7	278
67	317,42	319,90	160x10	16H7	282
68	322,20	324,68	160x10	16H7	287
69	326,97	329,45	160x10	16H7	292
70	331,74	334,23	160x10	16H7	297
71	336,52	339,00	160x10	16H7	302
72	341,29	343,77	160x10	16H7	306
73	346,07	348,55	160x10	20H7	311
74	350,84	353,32	160x10	20H7	316
75	355,62	358,10	160x10	20H7	321
76	360,39	362,87	160x10	20H7	325
77	365,17	367,65	160x10	20H7	330
78	369,94	372,42	160x10	20H7	335
79	374,72	377,20	160x10	20H7	340

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	d_{max} [mm]
80	379,49	381,97	160x10	20H7	344
81	384,27	386,75	160x10	20H7	349
82	389,04	391,52	160x10	20H7	354
83	393,81	396,30	160x10	20H7	359
84	398,59	401,07	160x10	20H7	364
85	403,36	405,85	200x10	20H7	368
86	408,14	410,62	200x10	20H7	373
87	412,91	415,39	200x10	20H7	378
88	417,69	420,17	200x10	20H7	383
89	422,46	424,94	200x10	20H7	387
90	427,24	429,72	200x10	20H7	392
91	432,01	434,49	200x10	20H7	397
92	436,79	439,27	200x10	20H7	402
93	441,56	444,04	200x10	20H7	407
94	446,34	448,82	200x10	20H7	411
95	451,11	453,59	200x10	20H7	416
96	455,89	458,37	200x10	20H7	421
97	460,66	463,14	200x10	30H7	426
98	465,43	467,92	200x10	30H7	430
99	470,21	472,69	200x10	30H7	435
100	474,98	477,46	200x10	30H7	440
101	479,76	482,24	200x10	30H7	445
102	484,53	487,01	200x10	30H7	450
103	489,31	491,97	200x10	30H7	454
104	494,08	496,56	200x10	30H7	459
105	498,86	501,34	200x10	30H7	464
106	503,63	506,11	200x10	30H7	469
107	508,41	510,89	200x10	30H7	473
108	513,18	515,66	200x10	30H7	478
109	517,96	520,44	200x10	30H7	483
110	522,73	525,21	200x10	30H7	488
111	527,50	529,99	200x10	30H7	493
112	532,28	534,76	200x10	30H7	497
113	537,05	539,54	200x10	30H7	502
114	541,83	544,31	200x10	30H7	507

Timing pulleys self-tracking Profiles

SFAT 20



Order example:

Pulley AL 90 SFAT 20 / 40 Hub 110x10; dv

- Material
- Total width B_N
- Type / pitch
- Number of teeth
- Hub dimension d_N x l_N

Note for part code:
dv = Diameter pre-drilled.
Refer to page 14 for further ordering information.

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

Material:
Pulley: AlCu4MgSi, RoHS-conformant

Other dimensions.

z = Number of teeth
d_K = Outside diameter
d_0 = Pitch circle diameter
d_N = Hub diameter
l_N = Hub length
d_B = Flange diameter
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_0 [mm]	Hub d_N x l_N [mm]	Bore d_V [mm]	Bore 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

SFAT 20

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	Bore d_{max} [mm]
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
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
73	461,91	464,73	160x10	30H7	420
74	468,28	471,10	160x10	30H7	426
75	474,64	477,46	160x10	30H7	433
76	481,01	483,83	160x10	30H7	439
77	487,38	490,20	160x10	30H7	445
78	493,74	496,56	160x10	30H7	452
79	500,11	502,93	160x10	30H7	458

z	d_K [mm]	d_0 [mm]	Hub $d_N \times l_N$ [mm]	Bore d_V [mm]	Bore d_{max} [mm]
80	506,48	509,30	-	30H7	464
81	512,84	515,66	-	30H7	471
82	519,21	522,03	-	30H7	477
83	525,57	528,39	-	30H7	484
84	531,94	534,76	-	30H7	490
85	538,31	541,13	-	30H7	496
86	544,67	547,49	-	30H7	503
87	551,04	553,86	-	30H7	509
88	557,41	560,23	-	30H7	515
89	563,77	566,59	-	30H7	522
90	570,14	572,96	-	30H7	528
91	576,50	579,32	-	30H7	535
92	582,87	585,69	-	30H7	541
93	589,24	592,06	-	30H7	547
94	595,60	598,42	-	30H7	554
95	601,97	604,79	-	40H7	560
96	608,33	611,15	-	40H7	566
97	614,70	617,52	-	40H7	573
98	621,07	623,89	-	40H7	579
99	627,43	630,25	-	40H7	585
100	633,80	636,62	-	40H7	592
101	640,17	642,99	-	40H7	598
102	646,53	649,35	-	40H7	605
103	652,90	655,72	-	40H7	611
104	659,26	662,08	-	40H7	617
105	665,63	668,45	-	40H7	624
106	672,00	674,82	-	40H7	630
107	678,36	681,18	-	40H7	636
108	684,73	687,55	-	40H7	643
109	691,10	693,92	-	40H7	649
110	697,46	700,28	-	40H7	655
111	703,83	706,65	-	40H7	662
112	710,19	713,01	-	40H7	668
113	716,56	719,38	-	40H7	675
114	722,93	725,75	-	40H7	681