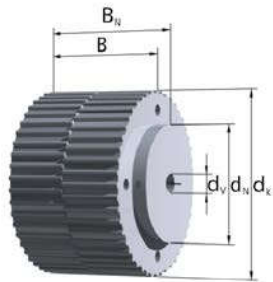


# Timing pulleys self-tracking Profiles

## 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  $d_N \times l_N$  \_\_\_\_\_

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
- $d_o$  = 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	Hub		Bore		
	$d_k$ [mm]	$d_o$ [mm]	$d_N \times l_N$ [mm]	$d_v$ [mm]	$d_{max}$ [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

z	Hub		Bore		
	$d_k$ [mm]	$d_o$ [mm]	$d_N \times l_N$ [mm]	$d_v$ [mm]	$d_{max}$ [mm]
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 <sub>k</sub> [mm]	d <sub>0</sub> [mm]	Hub	Bore	
			d <sub>N</sub> x l <sub>N</sub> [mm]	d <sub>V</sub> [mm]	d <sub>max</sub> [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
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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
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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
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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
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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
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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
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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 <sub>k</sub> [mm]	d <sub>0</sub> [mm]	Hub	Bore	
			d <sub>N</sub> x l <sub>N</sub> [mm]	d <sub>V</sub> [mm]	d <sub>max</sub> [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
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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
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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
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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
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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
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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
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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