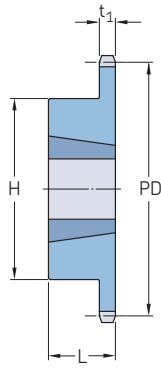


Metric sprockets, simplex, taper bushed

ISO 06B-1 · 9,525 mm pitch | ISO 08B-1 · 12,70 mm pitch



Type B

Pitch	Number of teeth	Pitch diameter	Type	Bushing number	Dimensions				Plate thickness	Mass Rim	Bushing	Designation
					Bore		L	H				
		PD			Min.	Max.			t ₁			
mm	-	mm	-	-	mm					kg	-	
9,525	16	48,82	B	1008	9	25,4	22,0	42,0 ⁴⁾	5,31	0,12	0,09	PHS 06B-1TBH16
	17	51,83	B	1008	9	25,4	22,0	45,0	5,31	0,13	0,09	PHS 06B-1TBH17
	18	54,85	B	1008	9	25,4	22,0	45,0	5,31	0,14	0,09	PHS 06B-1TBH18
	19	57,87	B	1008	9	25,4	22,0	45,0	5,31	0,16	0,09	PHS 06B-1TBH19
	20	60,89	B	1008	9	25,4	22,0	46,0	5,31	0,18	0,09	PHS 06B-1TBH20
	21	63,91	B	1008	9	25,4	22,0	46,0	5,31	0,20	0,09	PHS 06B-1TBH21
	22	66,93	B	1108	9	28,0	22,0	52,0	5,31	0,24	0,12	PHS 06B-1TBH22
	23	69,95	B	1210	11	31,8	25,0	63,0 ⁴⁾	5,31	0,30	0,21	PHS 06B-1TBH23
	24	72,97	B	1210	11	31,8	25,0	63,0	5,31	0,32	0,21	PHS 06B-1TBH24
	25	76,00	B	1210	11	31,8	25,0	63,0	5,31	0,35	0,21	PHS 06B-1TBH25
	26	79,02	B	1210	11	31,8	25,0	63,0	5,31	0,35	0,21	PHS 06B-1TB26
	27	82,05	B	1210	11	31,8	25,0	63,0	5,31	0,38	0,21	PHS 06B-1TB27
	28	85,07	B	1210	11	31,8	25,0	63,0	5,31	0,38	0,21	PHS 06B-1TB28
	29	88,09	B	1210	11	31,8	25,0	63,0	5,31	0,40	0,21	PHS 06B-1TB29
	30	91,12	B	1210	11	31,8	25,0	63,0	5,31	0,41	0,21	PHS 06B-1TB30
	32	97,18	B	1210	11	31,8	25,0	63,0	5,31	0,58	0,21	PHS 06B-1TB32
	35	106,26	B	1210	11	31,8	25,0	63,0	5,31	0,76	0,21	PHS 06B-1TB35
	36	109,29	B	1210	11	31,8	25,0	63,0	5,31	0,82	0,21	PHS 06B-1TB36
	38	115,35	B	1210	11	31,8	25,0	70,0	5,31	0,94	0,21	PHS 06B-1TB38
	40	121,40	B	1210	11	31,8	25,0	70,0	5,31	1,06	0,21	PHS 06B-1TB40
	45	136,55	B	1210	11	31,8	25,0	70,0	5,31	1,36	0,21	PHS 06B-1TB45
	48	145,65	B	1210	11	31,8	25,0	70,0	5,31	1,54	0,21	PHS 06B-1TB48
	54	163,82	B	1210	11	31,8	25,0	70,0	5,31	1,90	0,21	PHS 06B-1TB54
	57	172,90	B	1210	11	31,8	25,0	70,0	5,31	1,60	0,21	PHS 06B-1TB57
	60	182,00	B	1210	11	31,8	25,0	70,0	5,31	2,26	0,21	PHS 06B-1TB60
	70	212,30	B	1210	11	31,8	25,0	70,0	5,31	2,86	0,21	PHS 06B-1TB70
	76	230,49	B	1210	11	31,8	25,0	70,0	5,31	2,43	0,21	PHS 06B-1TB76
	95	288,08	B	1210	11	31,8	25,0	110,0	5,31	2,72	0,21	PHS 06B-1TB95
	114	345,68	B	1215	11	31,8	25,0	110,0	5,31	5,50	0,31	PHS 06B-1TB114
	12,70	14	57,07	B	1008	9	25,4	22,0	46,0 ⁴⁾	7,37	0,12	0,14
15		61,09	B	1008	9	25,4	22,0	45,0	7,37	0,18	0,14	PHS 08B-1TBH15
16		65,10	B	1108	9	28,0	22,0	52,0	7,37	0,24	0,16	PHS 08B-1TBH16
17		69,11	B	1210	11	31,8	25,0	60,0 ⁴⁾	7,37	0,24	0,27	PHS 08B-1TBH17
18		73,14	B	1210	11	31,8	25,0	60,0 ⁴⁾	7,37	0,30	0,27	PHS 08B-1TBH18
19		77,16	B	1210	11	31,8	25,0	63,0	7,37	0,33	0,27	PHS 08B-1TBH19
20		81,19	B	1610	11	31,8	25,0	71,0	7,37	0,32	0,41	PHS 08B-1TBH20
21		85,22	B	1610	14	41,3	25,0	71,0	7,37	0,37	0,41	PHS 08B-1TBH21
22		89,24	B	1610	14	41,3	25,0	76,0	7,37	0,50	0,41	PHS 08B-1TBH22
23		93,27	B	1610	14	41,3	25,0	76,0	7,37	0,53	0,41	PHS 08B-1TBH23
24		97,29	B	1610	14	41,3	25,0	76,0	7,37	0,54	0,41	PHS 08B-1TBH24
25		101,33	B	1610	14	41,3	25,0	76,0	7,37	0,59	0,41	PHS 08B-1TBH25
26		105,36	B	1610	14	41,3	25,0	76,0	7,37	0,61	0,41	PHS 08B-1TB26
27		109,40	B	1610	14	41,3	25,0	76,0	7,37	0,94	0,41	PHS 08B-1TB27
28		113,42	B	2012	14	50,8	25,0	90,0	7,37	0,86	0,77	PHS 08B-1TB28
29		117,46	B	2012	14	50,8	25,0	90,0	7,37	0,90	0,77	PHS 08B-1TB29
30		121,50	B	2012	14	50,8	32,0	90,0	7,37	0,94	0,59	PHS 08B-1TB30
32		129,57	B	2012	14	50,8	32,0	90,0	7,37	1,12	0,59	PHS 08B-1TB32
35		141,68	B	2012	14	50,8	32,0	90,0	7,37	1,30	0,59	PHS 08B-1TB35
36		145,72	B	2012	14	50,8	32,0	90,0	7,37	1,48	0,59	PHS 08B-1TB36
38		153,80	B	2012	14	50,8	32,0	90,0	7,37	1,67	0,59	PHS 08B-1TB38
40		161,87	B	2012	14	50,8	32,0	90,0	7,37	1,80	0,59	PHS 08B-1TB40
42		169,94	B	2012	14	50,8	32,0	100,0	7,37	1,93	0,59	PHS 08B-1TB42
45		182,07	B	2012	14	50,8	32,0	100,0	7,37	2,06	0,59	PHS 08B-1TB45
48		194,18	B	2012	14	50,8	32,0	100,0	7,37	2,36	0,59	PHS 08B-1TB48

⁴⁾ Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

Metric sprockets, simplex, taper bushed

ISO 08B-1 · 12,70 mm pitch | ISO 10B-1 · 15,88 mm pitch | ISO 12B-1 · 19,05 mm pitch

Pitch	Number of teeth	Pitch diameter	Type	Bushing number	Dimensions				Plate thickness	Mass Rim	Bushing	Designation	
					Bore		L	H					
					Min.	Max.							
mm	-	mm	-	-	mm	mm	mm	mm	kg	-	-		
12,70	54	218,42	B	2012	14	50,8	32,0	100,0	7,37	2,66	0,59	PHS 08B-1TB54	
	57	230,53	B	2012	14	50,8	32,0	100,0	7,37	3,07	0,59	PHS 08B-1TB57	
	60	242,66	B	2012	14	50,8	32,0	100,0	7,37	3,23	0,59	PHS 08B-1TB60	
	70	283,07	B	2012	14	50,8	32,0	100,0	7,37	3,39	0,59	PHS 08B-1TB70	
	72	291,15	B	2012	14	50,8	32,0	100,0	7,37	3,55	0,59	PHS 08B-1TB72	
	76	307,31	B	2012	14	50,8	32,0	100,0	7,37	3,71	0,59	PHS 08B-1TB76	
	80	323,49	B	2012	14	50,8	32,0	100,0	7,37	4,55	0,59	PHS 08B-1TB80	
	84	339,65	B	2012	14	50,8	32,0	100,0	7,37	5,39	0,59	PHS 08B-1TB84	
	95	384,10	B	2012	14	50,8	32,0	100,0	7,37	6,23	0,59	PHS 08B-1TB95	
	96	388,15	B	2012	14	50,8	32,0	100,0	7,37	7,00	0,59	PHS 08B-1TB96	
	114	460,90	B	2517	16	63,5	45,0	110,0	7,37	8,10	1,30	PHS 08B-1TB114	
	15,88	12	61,34	B	1008	9	25,4	22,0	49,2 ¹⁾	9,17	0,21	0,09	PHS 10B-1TBH12
		13	66,32	B	1008	9	25,4	22,0	47,0	9,17	0,25	0,09	PHS 10B-1TBH13
		14	71,34	B	1108	9	25,4	22,0	52,0	9,17	0,27	0,12	PHS 10B-1TBH14
15		76,36	B	1210	11	31,8	25,0	60,0	9,17	0,33	0,21	PHS 10B-1TBH15	
16		81,37	B	1610	14	41,3	25,0	70,6 ⁴⁾	9,17	0,32	0,31	PHS 10B-1TBH16	
17		86,39	B	1610	14	41,3	25,0	71,0 ⁴⁾	9,17	0,40	0,31	PHS 10B-1TBH17	
18		91,42	B	1610	14	41,3	25,0	75,0	9,17	0,50	0,31	PHS 10B-1TBH18	
19		96,45	B	1610	14	41,3	25,0	75,0	9,17	0,56	0,31	PHS 10B-1TBH19	
20		101,49	B	1610	14	41,3	25,0	76,0	9,17	0,64	0,31	PHS 10B-1TBH20	
21		106,52	B	1610	14	41,3	25,0	76,0	9,17	0,69	0,31	PHS 10B-1TBH21	
22		111,55	B	1610	14	41,3	25,0	76,0	9,17	0,75	0,31	PHS 10B-1TBH22	
23		116,58	B	1610	14	41,3	25,0	76,0	9,17	0,81	0,31	PHS 10B-1TBH23	
24		121,62	B	2012	14	50,8	32,0	90,0	9,17	1,00	0,59	PHS 10B-1TBH24	
25		126,66	B	2012	14	50,8	32,0	90,0	9,17	1,06	0,59	PHS 10B-1TBH25	
26		131,70	B	2012	14	50,8	32,0	90,0	9,17	1,14	0,59	PHS 10B-1TB26	
27		136,75	B	2012	14	50,8	32,0	90,0	9,17	1,19	0,59	PHS 10B-1TB27	
28		141,78	B	2012	14	50,8	32,0	90,0	9,17	1,28	0,59	PHS 10B-1TB28	
29		146,83	B	2012	14	50,8	32,0	90,0	9,17	1,37	0,59	PHS 10B-1TB29	
30		151,87	B	2012	14	50,8	32,0	90,0	9,17	1,65	0,59	PHS 10B-1TB30	
32		161,96	B	2012	14	50,8	32,0	98,0	9,17	2,21	0,59	PHS 10B-1TB32	
35		177,10	B	2012	14	50,8	32,0	98,0	9,17	3,05	0,59	PHS 10B-1TB35	
36		182,15	B	2012	14	50,8	32,0	98,0	9,17	3,33	0,59	PHS 10B-1TB36	
38		192,24	B	2012	14	50,8	32,0	100,0	9,17	3,89	0,59	PHS 10B-1TB38	
40		202,33	B	2012	14	50,8	32,0	100,0	9,17	4,45	0,59	PHS 10B-1TB40	
42		212,43	B	2012	14	50,8	32,0	100,0	9,17	5,01	0,59	PHS 10B-1TB42	
45		227,58	B	2012	14	50,8	32,0	100,0	9,17	3,97	0,59	PHS 10B-1TB45	
48		242,73	B	2012	14	50,8	32,0	100,0	9,17	6,69	0,59	PHS 10B-1TB48	
54		273,03	B	2012	14	50,8	32,0	100,0	9,17	8,37	0,59	PHS 10B-1TB54	
57		288,19	B	2012	14	50,8	32,0	100,0	9,17	5,45	0,59	PHS 10B-1TB57	
60		303,33	B	2012	14	50,8	32,0	100,0	9,17	10,05	0,59	PHS 10B-1TB60	
70		353,84	B	2012	16	63,5	45,0	100,0	9,17	12,85	1,30	PHS 10B-1TB70	
72		363,95	B	2012	16	63,5	45,0	100,0	9,17	13,41	1,30	PHS 10B-1TB72	
76		384,15	B	2012	14	50,8	45,0	100,0	9,17	7,43	0,59	PHS 10B-1TB76	
80		404,35	B	2012	16	63,5	45,0	110,0	9,17	15,65	1,30	PHS 10B-1TB80	
84		424,70	B	2012	16	63,5	45,0	110,0	9,17	16,77	1,30	PHS 10B-1TB84	
95		480,14	B	2517	14	50,8	45,0	110,0	9,17	19,85	0,59	PHS 10B-1TB95	
96		485,30	B	2517	16	63,5	45,0	110,0	9,17	20,13	1,30	PHS 10B-1TB96	
114		576,13	B	2517	16	63,5	45,0	110,0	9,17	25,17	1,30	PHS 10B-1TB114	
19,05		11	67,61	B	1008	9	25,4	22,0	46,0	11,10	0,22	0,09	PHS 12B-1TBH11
		12	73,61	B	1008	9	25,4	22,0	49,2	11,10	0,30	0,09	PHS 12B-1TBH12
		13	79,59	B	1210	11	31,8	25,0	60,0	11,10	0,38	0,21	PHS 12B-1TBH13
		14	85,61	B	1610	14	41,3	25,0	70,0	11,10	0,46	0,31	PHS 12B-1TBH14
		15	91,63	B	1610	14	41,3	25,0	70,0	11,10	0,48	0,31	PHS 12B-1TBH15
	16	97,65	B	1610	14	41,3	25,0	75,0	11,10	0,60	0,31	PHS 12B-1TBH16	
	17	103,67	B	1610	14	41,3	25,0	76,0	11,10	0,70	0,31	PHS 12B-1TBH17	
	18	109,71	B	2012	14	50,8	32,0	90,0	11,10	0,86	0,59	PHS 12B-1TBH18	
	19	115,75	B	2012	14	50,8	32,0	90,0	11,10	0,98	0,59	PHS 12B-1TBH19	
	20	121,78	B	2012	14	50,8	32,0	95,0	11,10	1,25	0,59	PHS 12B-1TBH20	
	21	127,82	B	2517	16	63,5	45,0	102,0	11,10	1,28	1,30	PHS 12B-1TBH21	
	22	133,86	B	2517	16	63,5	45,0	102,0	11,10	1,37	1,30	PHS 12B-1TBH22	
	23	139,90	B	2517	16	63,5	45,0	108,0	11,10	1,75	1,30	PHS 12B-1TBH23	
	24	145,94	B	2517	16	63,5	45,0	108,0	11,10	1,85	1,30	PHS 12B-1TBH24	
	25	152,00	B	2517	16	63,5	45,0	108,0	11,10	1,95	1,30	PHS 12B-1TBH25	
	26	158,04	B	2517	16	63,5	45,0	108,0	11,10	2,09	1,30	PHS 12B-1TB26	
	27	164,09	B	2517	16	63,5	45,0	108,0	11,10	2,22	1,30	PHS 12B-1TB27	
	28	170,13	B	2517	16	63,5	45,0	108,0	11,10	2,36	1,30	PHS 12B-1TB28	
	29	176,19	B	2517	16	63,5	45,0	108,0	11,10	2,75	1,30	PHS 12B-1TB29	
	30	182,25	B	2517	16	63,5	45,0	108,0	11,10	2,89	1,30	PHS 12B-1TB30	
	32	194,36	B	2517	16	63,5	45,0	108,0	11,10	3,59	1,30	PHS 12B-1TB32	
	35	212,52	B	2517	16	63,5	45,0	108,0	11,10	4,41	1,30	PHS 12B-1TB35	
	36	218,58	B	2517	16	63,5	45,0	108,0	11,10	4,68	1,30	PHS 12B-1TB36	
	38	230,69	B	2517	16	63,5	45,0	108,0	11,10	4,60	1,30	PHS 12B-1TB38	

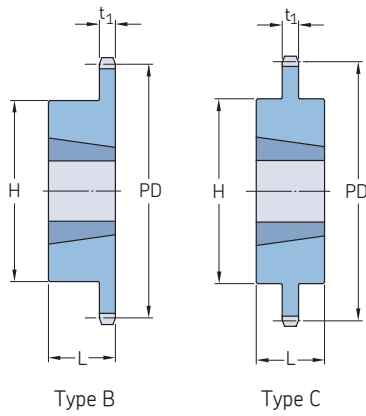
¹⁾ Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

Metric sprockets, simplex, taper bushed

ISO 12B-1 · 19,05 mm pitch | ISO 16B-1 · 25,40 mm pitch



Pitch	Number of teeth	Pitch diameter	Type	Bushing number	Dimensions				Plate thickness	Mass Rim	Bushing	Designation
					Bore		L	H				
		PD			Min.	Max.			t ₁			
mm	-	mm	-	-	mm					kg	-	
19,05	40	242,81	B	2517	16	63,5	45,0	108,0	11,10	5,78	1,30	PHS 12B-1TB40
	42	254,93	B	2517	16	63,5	45,0	108,0	11,10	6,33	1,30	PHS 12B-1TB42
	45	273,10	B	2517	16	63,5	45,0	108,0	11,10	5,70	1,30	PHS 12B-1TB45
	48	291,27	B	2517	16	63,5	45,0	108,0	11,10	7,97	1,30	PHS 12B-1TB48
	54	327,64	B	2517	16	63,5	45,0	108,0	11,10	9,61	1,30	PHS 12B-1TB54
	57	345,81	B	2517	16	63,5	45,0	108,0	11,10	6,49	1,30	PHS 12B-1TB57
	60	363,99	B	2517	16	63,5	45,0	108,0	11,10	11,25	1,30	PHS 12B-1TB60
	68	412,49	B	2517	16	63,5	45,0	108,0	11,10	13,44	1,30	PHS 12B-1TB68
	70	424,60	B	2517	16	63,5	45,0	108,0	11,10	13,99	1,30	PHS 12B-1TB70
	72	436,74	B	2517	16	63,5	45,0	108,0	11,10	14,54	1,30	PHS 12B-1TB72
	76	460,99	B	2517	16	63,5	45,0	108,0	11,10	11,20	1,30	PHS 12B-1TB76
	84	509,48	B	2517	16	63,5	45,0	108,0	11,10	17,82	1,30	PHS 12B-1TB84
	95	576,17	B	2517	16	63,5	45,0	108,0	11,10	17,64	1,30	PHS 12B-1TB95
	96	582,23	B	2517	16	63,5	45,0	108,0	11,10	21,11	1,30	PHS 12B-1TB96
114	691,36	B	2517	16	63,5	64,0	108,0	11,10	26,04	1,30	PHS 12B-1TB114	
25,40	10	82,19	B	1215	11	31,8	38,0	62,7	16,18	0,34	0,30	PHS 16B-1TBH10
	11	90,14	B	1215	11	31,8	38,0	62,7	16,18	0,57	0,30	PHS 16B-1TBH11
	12	98,14	B	1615	14	41,3	38,0	76,2	16,18	0,81	0,43	PHS 16B-1TBH12
	13	106,12	B	1615	14	41,3	38,0	73,0	16,18	1,03	0,43	PHS 16B-1TBH13
	14	114,15	B	1615	14	41,3	38,0	78,0	16,18	1,26	0,43	PHS 16B-1TBH14
	15	122,17	B	1615	14	41,3	38,0	76,0	16,18	1,40	0,43	PHS 16B-1TBH15
	16	130,20	B	2012	14	50,8	32,0	90,0	16,18	1,42	0,59	PHS 16B-1TBH16
	17	138,22	B	2012	14	50,8	32,0	90,0	16,18	1,60	0,59	PHS 16B-1TBH17
	18	146,28	B	2517	16	63,5	45,0	108,0	16,18	2,09	1,30	PHS 16B-1TBH18
	19	154,33	B	2517	16	63,5	45,0	108,0	16,18	2,30	1,30	PHS 16B-1TBH19
	20	162,38	B	2517	16	63,5	45,0	110,0	16,18	2,56	1,30	PHS 16B-1TBH20
	21	170,43	B	2517	16	63,5	45,0	110,0	16,18	2,80	1,30	PHS 16B-1TBH21
	22	178,48	B	2517	16	63,5	45,0	110,0	16,18	3,36	1,30	PHS 16B-1TBH22
	23	186,53	B	2517	16	63,5	45,0	110,0	16,18	3,34	1,30	PHS 16B-1TBH23
	24	194,59	B	2517	16	63,5	45,0	110,0	16,18	3,66	1,30	PHS 16B-1TBH24
	25	202,66	B	2517	16	63,5	45,0	110,0	16,18	3,96	1,30	PHS 16B-1TBH25
	26	210,72	B	2517	16	63,5	45,0	110,0	16,18	4,26	1,30	PHS 16B-1TB26
	27	218,79	B	2517	16	63,5	45,0	110,0	16,18	4,63	1,30	PHS 16B-1TB27
	28	226,85	B	2517	16	63,5	45,0	140,0	16,18	4,97	1,30	PHS 16B-1TB28
	29	234,92	B	3020	25	76,2	51,0	140,0	16,18	6,24	2,24	PHS 16B-1TB29
	30	243,00	B	3020	25	76,2	51,0	140,0	16,18	6,67	2,24	PHS 16B-1TB30
	32	259,13	B	3020	25	76,2	51,0	140,0	16,18	8,37	2,24	PHS 16B-1TB32
	35	283,36	B	3020	25	76,2	51,0	140,0	16,18	10,92	2,24	PHS 16B-1TB35
	36	291,44	B	3020	25	76,2	51,0	140,0	16,18	11,77	2,24	PHS 16B-1TB36
	38	307,59	B	3020	25	76,2	51,0	140,0	16,18	9,49	2,24	PHS 16B-1TB38
	40	323,75	B	3020	25	76,2	51,0	140,0	16,18	15,17	2,24	PHS 16B-1TB40
	45	364,13	B	3020	25	76,2	51,0	140,0	16,18	11,70	2,24	PHS 16B-1TB45
	48	388,36	B	3020	25	76,2	51,0	140,0	16,18	18,91	2,24	PHS 16B-1TB48
	54	436,85	B	3020	25	76,2	51,0	140,0	16,18	21,72	2,24	PHS 16B-1TB54
	57	461,07	B	3020	25	76,2	51,0	140,0	16,18	15,00	2,24	PHS 16B-1TB57
60	485,32	B	3020	25	76,2	51,0	140,0	16,18	24,52	2,24	PHS 16B-1TB60	
64	517,65	B	3020	25	76,2	51,0	140,0	16,18	26,39	2,24	PHS 16B-1TB64	
70	566,14	B	3020	25	76,2	51,0	140,0	16,18	29,20	2,24	PHS 16B-1TB70	
76	614,65	B	3020	25	76,2	51,0	140,0	16,18	23,00	2,24	PHS 16B-1TB76	
80	646,96	B	3020	25	76,2	51,0	140,0	16,18	33,87	2,24	PHS 16B-1TB80	
84	679,30	B	3020	25	76,2	51,0	140,0	16,18	35,74	2,24	PHS 16B-1TB84	
95	768,22	B	3020	25	76,2	51,0	140,0	16,18	40,88	2,24	PHS 16B-1TB95	
114	921,81	B	3020	25	76,2	76,0	140,0	16,18	49,77	2,24	PHS 16B-1TB114	

¹⁾ Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

Metric sprockets, simplex, taper bushed

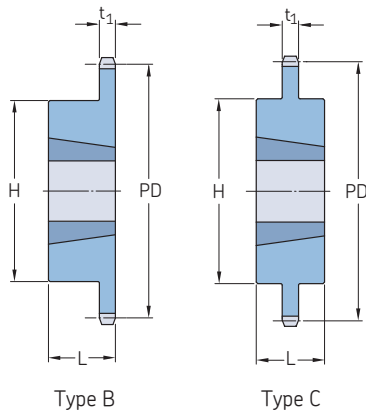
ISO 20B-1 · 31,75 mm pitch | ISO 24B-1 · 38,10 mm pitch | ISO 28B-1 · 44,45 mm pitch

Pitch	Number of teeth	Pitch diameter	Type	Bushing number	Dimensions				Plate thickness	Mass Rim	Bushing	Designation	
					Bore		L	H					
		PD			Min.	Max.			t ₁				
mm	-	mm	-	-	mm				kg		-		
31,75	11	112,70	B	1615	14	41,3	38,0	62,7	18,59	1,22	0,43	PHS 20B-1TBH11	
	12	122,67	B	1615	14	41,3	38,0	70,6	18,59	1,41	0,43	PHS 20B-1TBH12	
	13	132,67	B	2012	14	50,8	32,0	90,0	18,59	1,45	0,59	PHS 20B-1TBH13	
	14	142,68	B	2012	14	50,8	32,0	90,5	18,59	1,63	0,59	PHS 20B-1TBH14	
	15	152,71	B	2517	16	63,5	45,0	108,0	18,59	2,31	1,30	PHS 20B-1TBH15	
	16	162,75	B	2517	16	63,5	45,0	108,0	18,59	2,72	1,30	PHS 20B-1TBH16	
	17	172,79	B	2517	16	63,5	45,0	108,0	18,59	3,27	1,30	PHS 20B-1TBH17	
	18	182,84	B	2517	16	63,5	45,0	108,0	18,59	3,63	1,30	PHS 20B-1TBH18	
	19	192,90	B	2517	16	63,5	45,0	108,0	18,59	4,09	1,30	PHS 20B-1TBH19	
	20	202,96	B	2517	16	63,5	45,0	108,0	18,59	4,40	1,30	PHS 20B-1TBH20	
	21	213,03	B	2517	16	63,5	45,0	108,0	18,59	4,54	1,30	PHS 20B-1TBH21	
	22	223,10	B	2517	16	63,5	45,0	108,0	18,59	4,77	1,30	PHS 20B-1TBH22	
	23	233,17	B	2517	16	63,5	45,0	108,0	18,59	5,58	1,30	PHS 20B-1TBH23	
	24	243,25	B	2517	16	63,5	45,0	108,0	18,59	6,13	1,30	PHS 20B-1TBH24	
	25	253,32	B	2517	16	63,5	45,0	108,0	18,59	6,95	1,30	PHS 20B-1TBH25	
	26	263,41	B	2517	16	63,5	51,0	108,0	18,59	7,35	1,30	PHS 20B-1TB26	
	28	283,57	B	3020	25	76,2	51,0	150,0	18,59	7,90	2,24	PHS 20B-1TB28	
	30	303,75	B	3020	25	76,2	51,0	150,0	18,59	9,62	2,24	PHS 20B-1TB30	
	32	323,92	B	3020	25	76,2	51,0	160,0	18,59	11,03	2,24	PHS 20B-1TB32	
	35	354,20	B	3020	25	76,2	51,0	160,0	18,59	13,15	2,24	PHS 20B-1TB35	
	36	364,29	B	3020	25	76,2	51,0	160,0	18,59	13,86	2,24	PHS 20B-1TB36	
	38	384,48	B	3020	25	76,2	51,0	160,0	18,59	15,98	2,24	PHS 20B-1TB38	
	40	404,67	B	3020	25	76,2	51,0	160,0	18,59	19,43	2,24	PHS 20B-1TB40	
	45	455,15	B	3020	25	76,2	51,0	160,0	18,59	25,18	2,24	PHS 20B-1TB45	
	48	485,45	B	3020	25	76,2	51,0	160,0	18,59	28,62	2,24	PHS 20B-1TB48	
	54	546,05	B	3020	25	76,2	51,0	160,0	18,59	35,52	2,24	PHS 20B-1TB54	
	57	576,35	B	3020	25	76,2	51,0	160,0	18,59	37,82	2,24	PHS 20B-1TB57	
	60	606,66	B	3020	25	76,2	51,0	160,0	18,59	41,27	2,24	PHS 20B-1TB60	
	70	707,68	C	3535	35	88,9	51,0	160,0	24,13	51,56	5,18	PHS 20B-1TB70	
	72	727,89	C	3535	35	88,9	51,0	160,0	24,13	53,97	5,18	PHS 20B-1TB72	
	76	768,30	C	3535	35	88,9	51,0	160,0	24,13	60,33	5,18	PHS 20B-1TB76	
	80	808,71	C	3535	35	88,9	51,0	160,0	24,13	66,23	5,18	PHS 20B-1TB80	
	84	849,13	C	3535	35	88,9	51,0	160,0	24,13	73,48	5,18	PHS 20B-1TB84	
	90	909,76	C	3535	35	88,9	51,0	160,0	24,13	94,33	5,18	PHS 20B-1TB90	
	95	960,28	C	3535	35	88,9	51,0	160,0	24,13	96,16	5,18	PHS 20B-1TB95	
	38,10	11	135,23	B	2012	14	50,8	31,8	90,5	24,13	2,28	0,59	PHS 24B-1TBH11
		12	147,21	B	2012	14	50,8	31,8	90,5	24,13	2,49	0,59	PHS 24B-1TBH12
		13	159,20	B	2517	16	63,5	44,5	107,9	24,13	2,77	1,30	PHS 24B-1TBH13
		14	171,22	B	2517	16	63,5	44,5	107,9	24,13	3,54	1,30	PHS 24B-1TBH14
		15	183,25	B	2517	16	63,5	44,5	107,9	24,13	4,31	1,30	PHS 24B-1TBH15
		16	195,29	B	3020	25	76,2	50,8	133,4	24,13	4,77	2,24	PHS 24B-1TBH16
		17	207,35	B	3020	25	76,2	50,8	133,4	24,13	5,45	2,24	PHS 24B-1TBH17
		18	219,41	B	3020	25	76,2	50,8	133,4	24,13	6,13	2,24	PHS 24B-1TBH18
		19	231,48	B	3020	25	76,2	50,8	133,4	24,13	6,81	2,24	PHS 24B-1TBH19
		20	243,55	B	3020	25	76,2	50,8	133,4	24,13	7,49	2,24	PHS 24B-1TBH20
21		255,63	B	3020	25	76,2	50,8	133,4	24,13	7,94	2,24	PHS 24B-1TBH21	
22		267,72	B	3020	25	76,2	50,8	133,4	24,13	8,75	2,24	PHS 24B-1TBH22	
23		279,80	B	3020	25	76,2	50,8	133,4	24,13	9,53	2,24	PHS 24B-1TBH23	
24		291,90	B	3020	25	76,2	50,8	133,4	24,13	10,67	2,24	PHS 24B-1TBH24	
25		303,99	B	3020	25	76,2	50,8	133,4	24,13	11,80	2,24	PHS 24B-1TBH25	
26		316,09	B	3020	25	76,2	50,8	133,4	24,13	12,93	2,24	PHS 24B-1TB26	
27		328,19	B	3020	25	76,2	50,8	133,4	24,13	13,50	2,24	PHS 24B-1TB27	
28		340,29	B	3020	25	76,2	50,8	133,4	24,13	14,70	2,24	PHS 24B-1TB28	
29		352,29	B	3020	25	76,2	50,8	133,4	24,13	14,75	2,24	PHS 24B-1TB29	
30		364,49	B	3020	25	76,2	50,8	133,4	24,13	15,20	2,24	PHS 24B-1TB30	
32		388,71	B	3020	25	76,2	50,8	133,4	24,13	15,76	2,24	PHS 24B-1TB32	
38		461,37	B	3030	35	76,2	76,2	139,7	24,13	24,97	3,04	PHS 24B-1TB38	
40		485,60	C	3030	35	76,2	76,2	139,7	24,13	28,46	3,04	PHS 24B-1TB40	
42		509,83	C	3030	35	76,2	76,2	139,7	24,13	31,95	3,04	PHS 24B-1TB42	
45		546,19	C	3030	35	76,2	76,2	139,7	24,13	37,19	3,04	PHS 24B-1TB45	
48		582,54	C	3030	35	76,2	76,2	139,7	24,13	42,43	3,04	PHS 24B-1TB48	
50		606,78	C	3030	35	76,2	76,2	139,7	24,13	45,92	3,04	PHS 24B-1TB50	
54		655,26	C	3535	35	88,9	88,9	165,1	24,13	63,32	5,18	PHS 24B-1TB54	
57		691,62	C	3535	35	88,9	88,9	165,1	24,13	71,46	5,18	PHS 24B-1TB57	
60		727,99	C	3535	35	88,9	88,9	165,1	24,13	79,60	5,18	PHS 24B-1TB60	
68		824,97	C	3535	35	88,9	88,9	165,1	24,13	101,31	5,18	PHS 24B-1TB68	
72		873,46	C	3535	35	88,9	88,9	165,1	24,13	112,17	5,18	PHS 24B-1TB72	
76		921,96	C	3535	35	88,9	88,9	165,1	24,13	123,02	5,18	PHS 24B-1TB76	
95		1 152,33	C	4040	40	101,6	101,6	196,9	24,13	196,67	8,27	PHS 24B-1TB95	
96		1 164,46	C	4040	40	101,6	101,6	196,9	24,13	201,03	8,27	PHS 24B-1TB96	
114		1 382,72	C	4040	40	101,6	101,6	196,9	24,13	279,50	8,27	PHS 24B-1TB114	
44,45		11	157,77	B	2517	16	63,5	44,5	107,9	29,44	3,53	1,30	PHS 28B-1TBH11
		12	171,74	B	2517	16	63,5	44,5	107,9	29,44	3,86	1,30	PHS 28B-1TBH12

¹⁾ Undercut in hub for chain clearance
 All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.
 For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

Metric sprockets, simplex, taper bushed

ISO 28B-1 · 44,45 mm pitch | ISO 32B-1 · 50,80 mm pitch



Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions				Plate thickness t ₁	Mass Rim	Bushing	Designation
					Bore		L	H				
mm	-	mm	-	-	mm	Min.	Max.			kg	-	
44,45	13	185,75	B	3020	25	76,2	50,8	133,4	29,44	5,90	2,24	PHS 28B-1TBH13
	14	199,76	B	3020	25	76,2	50,8	133,4	29,44	7,04	2,24	PHS 28B-1TBH14
	15	213,79	B	3020	25	76,2	50,8	133,4	29,44	8,17	2,24	PHS 28B-1TBH15
	16	227,84	B	3020	25	76,2	50,8	133,4	29,44	9,76	2,24	PHS 28B-1TBH16
	17	241,91	B	3020	25	76,2	50,8	133,4	29,44	11,35	2,24	PHS 28B-1TBH17
	18	255,98	B	3020	25	76,2	50,8	133,4	29,44	12,49	2,24	PHS 28B-1TBH18
	19	270,06	B	3020	25	76,2	50,8	133,4	29,44	13,62	2,24	PHS 28B-1TBH19
	20	284,15	B	3020	25	76,2	50,8	133,4	29,44	14,30	2,24	PHS 28B-1TBH20
	21	298,24	B	3020	25	76,2	50,8	133,4	29,44	14,98	2,24	PHS 28B-1TBH21
	22	312,34	B	3020	25	76,2	50,8	133,4	29,44	16,91	2,24	PHS 28B-1TBH22
	23	326,44	B	3020	25	76,2	50,8	133,4	29,44	18,84	2,24	PHS 28B-1TBH23
	24	340,55	B	3020	25	76,2	50,8	133,4	29,44	20,77	2,24	PHS 28B-1TBH24
	25	354,66	B	3020	25	76,2	50,8	133,4	29,44	22,70	2,24	PHS 28B-1TBH25
	26	368,77	B	3020	25	76,2	50,8	133,4	29,44	24,63	2,24	PHS 28B-1TB26
	27	382,88	B	3020	25	76,2	50,8	133,4	29,44	26,56	2,24	PHS 28B-1TB27
	28	397,00	B	3020	25	76,2	50,8	133,4	29,44	28,49	2,24	PHS 28B-1TB28
	30	425,24	B	3020	25	76,2	50,8	133,4	29,44	32,35	2,24	PHS 28B-1TB30
	32	453,49	B	3020	25	76,2	50,8	133,4	29,44	36,21	2,24	PHS 28B-1TB32
	38	538,27	B	3535	35	88,9	88,9	165,1	29,44	45,40	3,56	PHS 28B-1TB38
	40	566,54	C	3535	35	88,9	88,9	165,1	29,44	47,79	3,56	PHS 28B-1TB40
	42	594,82	C	3535	35	88,9	88,9	165,1	29,44	50,18	3,56	PHS 28B-1TB42
	45	637,22	C	4040	40	101,6	101,6	219,1	29,44	57,35	8,27	PHS 28B-1TB45
	48	679,63	C	4040	40	101,6	101,6	219,1	29,44	61,17	8,27	PHS 28B-1TB48
	54	764,46	C	4040	40	101,6	101,6	219,1	29,44	68,82	8,27	PHS 28B-1TB54
	57	806,90	C	4040	40	101,6	101,6	219,1	29,44	72,64	8,27	PHS 28B-1TB57
	60	849,32	C	4040	40	101,6	101,6	219,1	29,44	76,44	8,27	PHS 28B-1TB60
	68	962,46	C	4040	40	101,6	101,6	219,1	29,44	86,63	8,27	PHS 28B-1TB68
72	1 019,05	C	4040	40	101,6	101,6	219,1	29,44	91,73	8,27	PHS 28B-1TB72	
76	1 075,62	C	4040	40	101,6	101,6	219,1	29,44	96,83	8,27	PHS 28B-1TB76	
95	1 344,37	C	4040	40	101,6	101,6	219,1	29,44	121,03	8,27	PHS 28B-1TB95	
50,80	11	180,34	B	2517	16	63,5	44,5	107,9	29,44	4,51	1,30	PHS 32B-1TBH11
	12	196,29	B	3020	25	76,2	50,8	133,4	29,44	5,27	2,24	PHS 32B-1TBH12
	13	212,29	B	3020	25	76,2	50,8	133,4	29,44	6,38	2,24	PHS 32B-1TBH13
	14	228,29	B	3020	25	76,2	50,8	133,4	29,44	6,87	2,24	PHS 32B-1TBH14
	15	244,30	B	3535	35	88,9	88,9	165,1	29,44	11,80	5,18	PHS 32B-1TBH15
	16	260,40	B	3535	35	88,9	88,9	165,1	29,44	13,38	5,18	PHS 32B-1TBH16
	17	276,40	B	3535	35	88,9	88,9	165,1	29,44	14,98	5,18	PHS 32B-1TBH17
	18	292,55	B	3535	35	88,9	88,9	165,1	29,44	16,12	5,18	PHS 32B-1TBH18
	19	308,66	B	3535	35	88,9	88,9	165,1	29,44	17,25	5,18	PHS 32B-1TBH19
	20	324,71	B	3535	35	88,9	88,9	165,1	29,44	21,10	5,18	PHS 32B-1TBH20
	21	340,82	B	3535	35	88,9	88,9	165,1	29,44	24,94	5,18	PHS 32B-1TBH21
	22	356,98	B	3535	35	88,9	88,9	165,1	29,44	27,79	5,18	PHS 32B-1TBH22
	23	373,08	B	3535	35	88,9	88,9	165,1	29,44	30,64	5,18	PHS 32B-1TBH23
	24	389,18	B	3535	35	88,9	88,9	165,1	29,44	33,48	5,18	PHS 32B-1TBH24
	25	405,33	B	3535	35	88,9	88,9	165,1	29,44	36,32	5,18	PHS 32B-1TBH25
	26	421,44	B	3535	35	88,9	88,9	165,1	29,44	39,16	5,18	PHS 32B-1TB26
	27	437,59	B	3535	35	88,9	88,9	165,1	29,44	42,00	5,18	PHS 32B-1TB27
	28	453,69	B	3535	35	88,9	88,9	165,1	29,44	44,84	5,18	PHS 32B-1TB28
	30	486,00	B	3535	35	88,9	88,9	165,1	29,44	50,52	5,18	PHS 32B-1TB30
	32	518,26	B	3535	35	88,9	88,9	165,1	29,44	56,20	5,18	PHS 32B-1TB32
	38	615,14	B	4040	40	101,6	101,6	219,1	29,44	68,10	8,27	PHS 32B-1TB38
	40	647,49	C	4040	40	101,6	101,6	219,1	29,44	77,08	8,27	PHS 32B-1TB40
	45	728,26	C	4040	40	101,6	101,6	219,1	29,44	99,53	8,27	PHS 32B-1TB45
	48	776,72	C	4040	40	101,6	101,6	219,1	29,44	113,01	8,27	PHS 32B-1TB48

¹⁾ Undercut in hub for chain clearance

All Type B or C sprockets, up to and including 25 tooth, are with hardened teeth as standard.

For any additional size sprockets with hardened teeth, add "H" before the number of teeth, e.g. PHS 08B-1TBH16.

Metric sprockets, simplex, taper bushed

ISO 32B-1 · 50,80 mm pitch

Pitch	Number of teeth	Pitch diameter PD	Type	Bushing number	Dimensions				Plate thickness t_1	Mass Rim	Bushing	Designation
					Bore		L	H				
mm	–	mm	–	–	mm	Min.	Max.				–	
50,80	54	873,68	C	4040	40	101,6	114,3	219,1	29,44	139,95	8,27	PHS 32B-1TB54
	57	922,17	C	4545	55	114,3	114,3	247,7	29,44	136,20	9,99	PHS 32B-1TB57
	60	970,63	C	4545	55	114,3	114,3	247,7	29,44	158,84	9,99	PHS 32B-1TB60
	64	1 035,30	C	4545	55	114,3	114,3	247,7	29,44	189,03	9,99	PHS 32B-1TB64
	70	1 132,29	C	4545	55	114,3	114,3	247,7	29,44	234,32	9,99	PHS 32B-1TB70

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