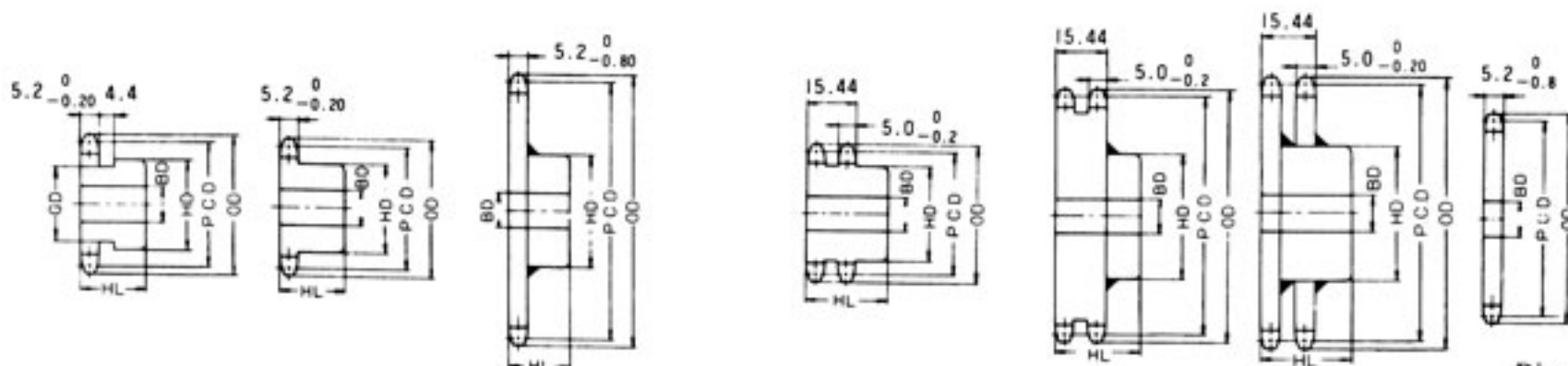


06B EUROPEAN STANDARD SPROCKET

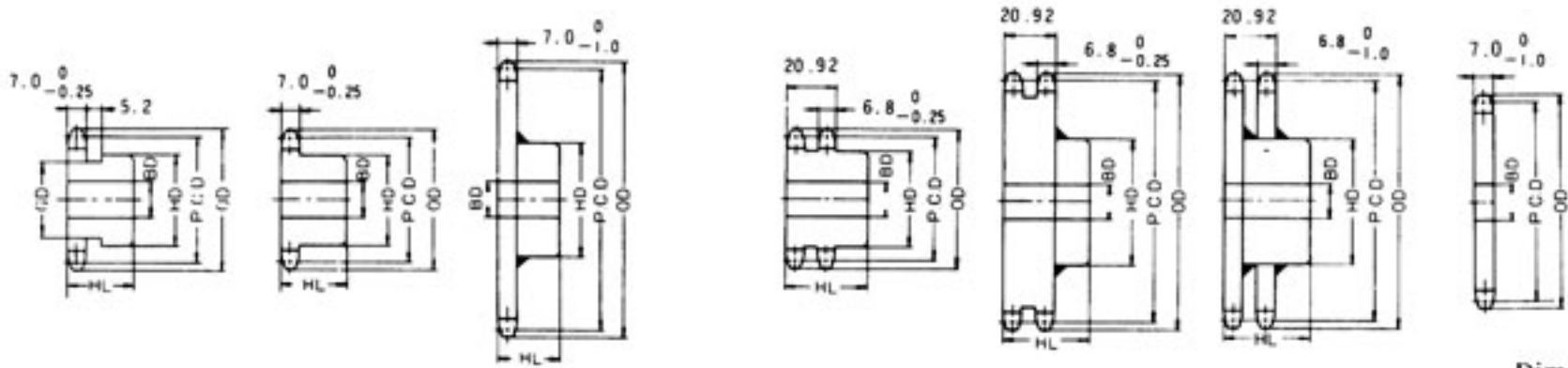


Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D.)	Out-side Dia. (OD)	SINGLE B TYPE						DOUBLE B TYPE						SINGLE A TYPE			No. of Teeth	
			Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD) Stock	Approx. Weight (kg)	Materials		
			Stock	Max.	HD	HL			Stock	Max.	HD	HL							
9	27.84	32	9	11	★ 22	20	0.06											9	
10	30.84	34	9	12	★ 25	20	0.08											10	
11	33.81	38	9	14	★ 27	20	0.09											11	
12	36.80	41	10	16	★ 31	20	0.12		10	16	26	32	0.18		10	0.03		12	
13	39.80	44	10	18	★ 32	20	0.12		10	18	32	32	0.21		10	0.04		13	
14	42.81	47	10	18	32	20	0.12		12	19	35	32	0.25		10	0.05		14	
15	45.81	51	10	20	35	20	0.16		12	19	35	32	0.28		10	0.05		15	
16	48.82	54	10	20	37	20	0.19		12	20	37	32	0.32		10	0.06		16	
17	51.84	57	12	25	41	20	0.22		12	24	41	32	0.38		12	0.07		17	
18	54.85	60	12	25	44	20	0.25		12	25	44	32	0.44		12	0.08		18	
19	57.87	63	12	28	47	20	0.28		12	28	47	32	0.49		12	0.09		19	
20	60.89	66	12	30	50	20	0.32		13	30	50	35	0.60		12	0.10		20	
21	63.91	69	12	30	53	20	0.36	SAE 1040	13	32	53	35	0.67	SAE 1040	12	0.10	Mild Steel (SS 41)	21	
22	66.93	72	12	35	56	20	0.37		13	37	55	35	0.73		12	0.11		22	
23	69.95	75	12	38	60	20	0.38		15	38	57	35	0.78		12	0.13		23	
24	72.97	78	12	32	53	22	0.43		15	38	57	35	0.83		12	0.14		24	
25	76.00	81	12	32	53	22	0.44		15	38	57	35	0.87		12	0.15		25	
26	79.02	84	12	32	53	22	0.45		15	38	57	35	0.91		12	0.16		26	
27	82.05	87	12	32	53	22	0.46		15	38	57	35	0.98		12	0.18		27	
28	85.07	90	12	32	53	22	0.48		15	38	57	35	1.03		12	0.19		28	
29	88.10	93	12	32	53	22	0.49								12	0.20		29	
30	91.12	96	12	32	53	22	0.51			15	38	57	35		1.07	12		0.22	30
31	94.15	99	12	32	53	22									12	0.23		31	
32	97.18	102	12	32	53	22	0.54			15	38	57	35		1.17	12		0.25	32
33	100.20	105	12	32	53	22									12	0.26		33	
34	103.23	109	12	32	53	22	0.57								12	0.28		34	
35	106.26	112	12	32	53	22	0.59			15	38	57	35		1.33	12		0.29	35
36	109.29	115	13	32	53	22	0.61		15	38	57	35	1.38	13	0.31	36			
37	112.31	118	13	42	63	25							13	0.33	37				
38	115.34	121	13	42	63	25	0.82		15	38	57	35	1.55	13	0.35	38			
39	118.37	124	13	42	63	25							13	0.36	39				
40	121.40	127	13	42	63	25	0.85		19	48	73	40	2.05	13	0.38	40			
41	124.43	130	16	42	63	25	0.91	Mild Steel SS41 (Welded hub)						16	0.40	41			
42	127.46	133	16	42	63	25	0.93		19	48	73	40	2.18	16	0.43	42			
43	130.48	136	16	42	63	25	0.95							16	0.45	43			
44	133.52	139	16	42	63	25	0.97							16	0.47	44			
45	136.55	142	16	42	63	25	1.00		19	48	73	40	2.38	16	0.49	45			
48	145.64	151	16	42	63	25	1.07		19	48	73	40	2.60	16	0.55	48			
50	151.70	157	16	42	63	25	1.10		19	48	73	40	2.90	16	0.60	50			
54	163.81	169	16	42	63	25	1.20		19	48	73	40	3.07	16	0.70	54			
55	166.85	172	16	42	63	25	1.25							16	0.71	55			
60	182.00	187	16	42	63	25	1.30		19	48	73	40	3.51	16	0.80	60			
65	197.15	203	18	45	68	25	1.60	19	48	73	40	4.10	18	1.00	65				
70	212.30	218	18	45	68	25	1.80	19	48	73	40	4.64	18	1.20	70				
75	227.46	233	18	45	68	25	1.90						18	1.30	75				
80	242.61	248	18	45	68	25	2.40						18	1.50	80				

- The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.
- Sprockets (B-type only) in color shaded show "with hardened teeth".
- Bore, keyways and setscrews will be machined upon request.
- Sprockets shown with an asterisk (*) have a recessed groove in hub for chain clearance. Groove dimensions (GD) are 9T = 16, 10T = 18, 11T = 22, 12T = 24 and 13T = 28
- Also available are sprockets other than those shown above.

08B EUROPEAN STANDARD SPROCKET

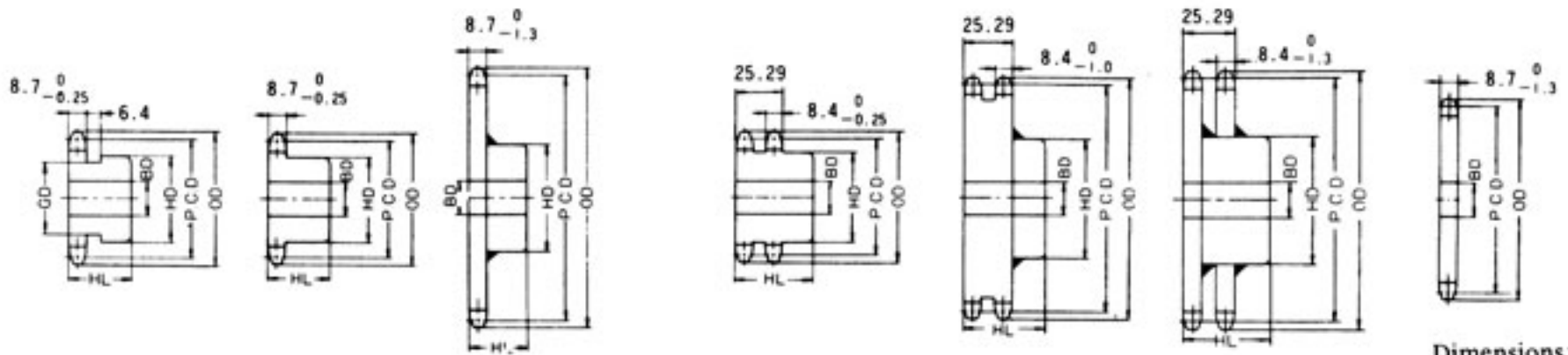


Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D)	Out-side Dia. (O.D)	SINGLE B TYPE						DOUBLE B TYPE						SINGLE A TYPE			No. of Teeth	
			Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD) Stock	Approx. Weight (kg)	Materials		
			Stock	Max.	HD	HL			Stock	Max.	HD	HL							
9	37.13	42	9	16	★ 28	22	0.11	SAE 1040	13	16	28	35	0.28	9	0.06	Mild Steel (SS 41)	9		
10	41.10	46	10	18	★ 32	22	0.14		14	20	35	35	0.34	10	0.07		10		
11	45.08	51	11	20	★ 37	22	0.19		14	22	39	35	0.40	11	0.09		11		
12	49.07	55	11	22	★ 40	22	0.22		14	25	43	35	0.47	11	0.10		12		
13	53.07	59	14	20	37	22	0.23		14	28	47	35	0.55	14	0.12		13		
14	57.07	63	14	25	42	22	0.28		14	30	50	35	0.65	14	0.14		14		
15	61.08	67	14	28	46	22	0.34		14	32	54	35	0.75	14	0.16		15		
16	65.10	71	14	30	50	22	0.40		14	35	57	35	0.85	14	0.18		16		
17	69.12	76	14	32	54	22	0.46		14	38	59	35	0.98	14	0.20		17		
18	73.14	80	14	35	57	22	0.51		14	42	63	35	1.30	14	0.23		18		
19	77.16	84	14	40	62	22	0.59		14	45	67	40	1.50	14	0.26		19		
20	81.18	88	15	45	67	25	0.76		14	48	72	40	1.60	15	0.29		20		
21	85.21	92	15	48	71	25	0.85		14	51	76	40	1.80	15	0.30		21		
22	89.24	96	15	51	75	25	0.95		14	55	80	40	2.00	15	0.35		22		
23	93.27	100	15	51	77	25	1.00		18	57	84	40	2.20	15	0.38		23		
24	97.30	104	15	42	63	25	0.84		18	60	88	40	2.30	15	0.40		24		
25	101.33	108	15	42	63	25	0.88		18	60	92	40	2.50	15	0.45		25		
26	105.36	112	15	42	63	25	0.92		18	66	96	40	2.80	15	0.49		26		
27	109.40	116	15	42	63	25	0.96		18	66	100	40	3.05	15	0.50		27		
28	113.43	120	15	42	63	25	1.00		23	66	100	50	3.10	15	0.56		28		
29	117.46	124	15	42	63	25	1.05		23	66	100	50	3.30	15	0.60		29		
30	121.50	128	15	42	63	25	1.10		23	66	100	50	3.50	15	0.63		30		
31	125.53	133	15	45	68	28	1.20		23	66	100	50	3.60	15	0.65		31		
32	129.57	137	15	45	68	28	1.30		23	66	100	50	4.00	15	0.70		32		
33	133.61	141	15	45	68	28	1.30		23	66	100	50	4.60	15	0.75		33		
34	137.64	145	15	45	68	28	1.30		23	66	100	50	5.00	15	0.80		34		
35	141.68	149	15	45	68	28	1.40		23	66	100	50	5.50	15	0.85		35		
36	145.72	153	17	45	68	28	1.50		Mild Steel SS41 (Welded hub)	23	63	93	50	4.60	18		0.90	Mild Steel (SS 41)	36
37	149.75	157	17	45	68	28	1.55			23	63	93	50	5.00	18		0.99		37
38	153.79	161	17	45	68	28	1.60			23	63	93	50	5.50	18		1.00		38
39	157.83	165	17	45	68	28	1.60	23		63	93	50	5.20	18	1.10	39			
40	161.87	169	17	45	68	28	1.70	23		63	93	50	6.70	18	1.15	40			
41	165.91	173	18	48	73	32	2.00	23		63	93	50	10.20	18	1.20	41			
42	169.95	177	18	48	73	32	2.05	23		63	93	50	11.50	18	1.25	42			
43	173.98	181	18	48	73	32	2.10	23		63	93	50		18	1.30	43			
44	178.02	185	18	48	73	32	2.00	23		63	93	50		18	1.35	44			
45	182.06	189	18	48	73	32	2.25	23		63	93	50		18	1.40	45			
48	194.18	201	18	48	73	32	2.45	Mild Steel SS41 (Welded hub)	23	63	93	50	5.00	18	1.63	Mild Steel (SS 41)	48		
50	202.26	209	18	48	73	32	2.60		23	63	93	50	5.50	18	1.80		50		
54	218.42	226	18	48	73	32	2.90		23	63	93	50	5.20	18	2.00		54		
60	242.66	250	18	48	73	32	3.40		23	63	93	50	6.70	18	2.60		60		
65	262.87	270	20	55	83	32	4.10		23	63	93	50	10.20	20	3.00		65		
70	283.07	290	20	55	83	32	4.57		23	63	93	50	11.50	20	3.50		70		
72	291.16	299	20	55	83	32	4.80							20	3.70		72		
75	303.28	311	20	55	83	32	5.10							20	4.00		75		
80	323.49	331	20	60	88	35	5.90							20	4.60		80		
84	339.65	347	20	60	88	35	6.40							20	5.10		84		
85	343.69	351	20	60	88	35	6.50						20	5.20	85				
90	363.90	371	20	60	88	35	7.15						20	5.80	90				
92	371.99	379	20	60	88	35	7.40						20	6.10	92				
95	384.11	392	20	60	88	35	7.80						20	6.50	95				
96	388.15	396	20	60	88	35	8.00						20	6.60	96				

- The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.
- Sprockets (B-type only) in color shaded show "with hardened teeth."
- Bore, keyways and setscrews will be machined upon request.
- Sprockets shown with an asterisk (*) have a recessed groove in hub for chain clearance. Groove dimensions (GD) are 9T = 27, 10T = 32, 11T = 37, 12T = 42 and 13T = 47
- Also available are sprockets other than those shown above.

10B EUROPEAN STANDARD SPROCKET

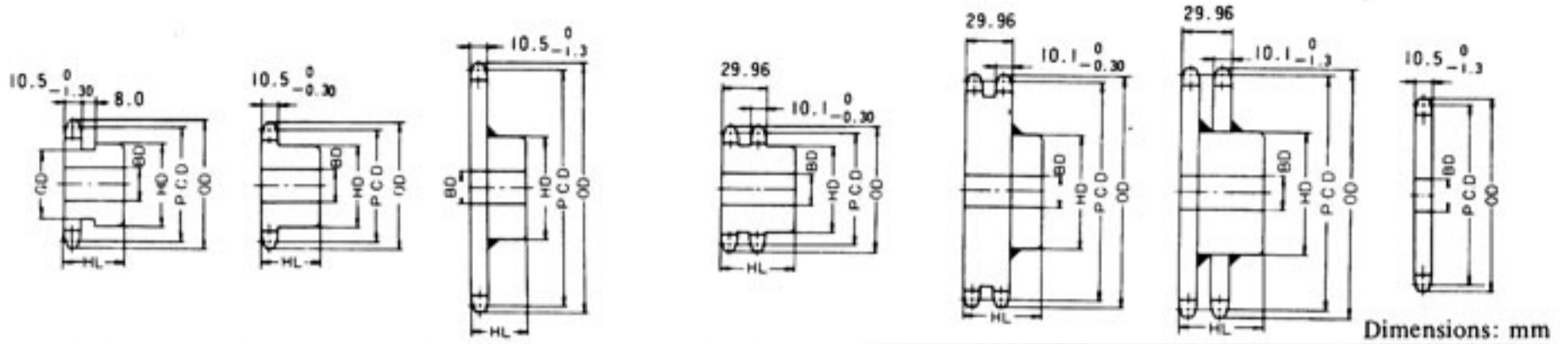


Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D)	Out-side Dia. (OD)	SINGLE B TYPE						DOUBLE B TYPE						SINGLE A TYPE			No. of Teeth
			Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD) Stock	Approx. Weight (kg)	Materials	
			Stock	Max.	HD	HL			Stock	Max.	HD	HL						
9	46.41	53	12	18	★34	25	0.20	SAE 1040	14	20	35	40	0.50	SAE 1040	12	0.11	Mild Steel (SS 41)	9
10	51.38	58	15	22	★40	25	0.27		14	25	42	40	0.62		15	0.14		10
11	56.35	64	15	28	★46	25	0.33		14	30	49	40	0.75		15	0.17		11
12	61.34	69	15	32	★51	25	0.41		14	32	54	40	0.90		15	0.20		12
13	66.34	74	15	32	★51	25	0.46		14	38	59	40	1.10		15	0.23		13
14	71.34	79	15	32	52	25	0.52		14	42	64	45	1.40		15	0.27		14
15	76.35	84	15	35	57	25	0.62		14	45	68	45	1.60		15	0.30		15
16	81.37	89	15	40	62	25	0.72		14	48	74	45	1.80		15	0.35		16
17	86.39	94	15	45	67	25	0.83		14	55	79	45	2.11		15	0.40		17
18	91.42	100	15	48	72	28	1.00		14	57	84	45	2.30		15	0.45		18
19	96.45	105	15	48	73	28	1.10		14	60	89	45	2.60		15	0.48		19
20	101.48	110	15	48	73	28	1.20		18	63	94	50	3.00		15	0.50		20
21	106.51	115	15	48	73	28	1.20		18	66	99	50	3.50		15	0.60		21
22	111.55	120	17	48	73	28	1.30		18	70	105	50	3.80		17	0.66		22
23	116.58	125	17	48	73	28	1.30		18	70	105	50	4.20		17	0.72		23
24	121.62	130	17	48	73	28	1.40		18	75	110	50	4.10		17	0.78		24
25	126.66	135	17	48	73	28	1.50		18	80	120	50	4.80		17	0.85		25
26	131.70	140	17	48	73	28	1.50		18	80	117	50	7.55		17	0.90		26
27	136.74	145	17	48	73	28	1.50		18	80	117	50	8.00		17	1.00		27
28	141.79	150	17	48	73	28	1.60		18	80	117	50	8.00		17	1.05		28
29	146.83	155	17	48	73	28	1.70		18	80	117	56	9.00		17	1.12		29
30	151.87	161	17	48	73	28	1.80		18	80	117	56	9.00		17	1.20		30
31	156.92	166	17	48	73	28	1.85		23	80	117	50	7.00		17	1.30		31
32	161.96	171	17	48	73	28	1.90		23	80	117	50	7.55		17	1.35		32
33	167.01	176	17	48	73	28	2.00		23	80	117	50	8.00		17	1.45		33
34	172.05	181	17	48	73	28	2.10	23	80	117	56	9.00	17	1.55	34			
35	177.10	186	17	48	73	28	2.20	23	80	117	56	9.00	17	1.65	35			
36	182.14	191	20	55	83	35	2.85	23	66	98	56	7.00	20	1.75	36			
37	187.19	196	20	55	83	35	2.95	23	66	98	56	7.00	20	1.85	37			
38	192.24	201	20	55	83	35	3.05	23	66	98	56	7.00	20	1.95	38			
39	197.29	206	20	55	83	35	3.15	23	66	98	56	7.30	20	2.05	39			
40	202.33	211	20	55	83	35	3.25	23	66	98	56	7.30	20	2.15	40			
41	207.38	216	20	55	83	35	3.40	23	66	98	56	8.00	20	2.25	41			
42	212.43	221	20	55	83	35	3.50	23	66	98	56	9.00	20	2.40	42			
43	217.48	226	20	55	83	35	3.60	23	66	98	63	9.90	20	2.50	43			
44	222.53	231	20	55	83	35	3.70	23	66	98	63	11.70	20	2.60	44			
45	227.58	237	20	55	83	35	3.85	23	66	98	63	11.30	20	2.70	45			
48	242.73	252	20	55	83	35	4.20	23	66	98	56	8.00	20	3.10	48			
50	252.83	262	20	55	83	35	4.50	23	66	98	56	9.00	20	3.40	50			
54	273.02	282	20	55	83	35	3.10	23	66	98	63	9.90	20	3.95	54			
60	303.33	312	20	55	83	35	6.00	23	66	98	63	11.70	20	4.90	60			
65	328.58	338	23	63	93	40	7.40	23	66	98	63	11.30	23	5.75	65			
70	353.84	363	23	63	93	40	8.30	23	66	98	63	15.00	23	6.70	70			
72	363.94	373	23	63	93	40	8.70	23	66	98	63	15.00	23	7.05	72			
75	379.10	388	23	63	93	40	9.35	23	66	98	63	15.00	23	7.70	75			
80	404.36	414	23	65	98	45	10.50	23	66	98	63	15.00	23	8.70	80			
84	424.57	434	23	65	98	45	11.50	23	66	98	63	15.00	23	9.60	84			
85	429.62	439	23	65	98	45	12.00	23	66	98	63	15.00	23	9.95	85			
90	454.88	464	23	65	98	45	13.20	23	66	98	63	15.00	23	11.00	90			
92	464.98	474	23	65	98	45	13.70	23	66	98	63	15.00	23	11.50	92			
95	480.14	489	23	65	98	45	14.40	23	66	98	63	15.00	23	12.30	95			
96	485.19	494	23	65	98	45	14.70	23	66	98	63	15.00	23	12.50	96			

• The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure or keyway.
 • Sprockets (B-type only) in color shaded show "with hardened teeth."
 • Bore, keyways and setscrews will be machined upon request.
 • Sprockets shown with an asterisk (★) have a recessed groove in hub for chain clearance. Groove dimensions (GD) are 9T = 27, 10T = 32, 11T = 37, 12T = 42, 13T = 47
 • Also available are sprockets other than those shown above.

12B EUROPEAN STANDARD SPROCKET



Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D)	Out-side Dia. (OD)	SINGLE B TYPE						DOUBLE B TYPE						SINGLE A TYPE			No. of Teeth	
			Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD) Stock	Approx. Weight (kg)	Materials		
			Stock	Max.	HD	HL			Stock	Max.	HD	HL							
9	55.70	63	12	25	★43	32	0.40	SAE 1040	16	20	35	50	0.90	SAE 1040	12	0.22	Mild Steel (SS41)	9	
10	61.65	70	15	30	★49	32	0.49		16	20	35	50	0.90		15	0.27		10	
11	67.62	76	15	32	★51	32	0.60		16	25	44	50	1.00		15	0.30		11	
12	73.60	83	15	32	51	32	0.69		16	30	50	50	1.20		15	0.38		12	
13	79.60	89	15	35	57	32	0.81		18	38	60	50	1.40		15	0.45		13	
14	85.61	95	17	40	62	32	0.96		18	45	66	56	1.80		17	0.50		14	
15	91.62	101	17	45	68	32	1.10		18	48	72	56	2.10		17	0.60		15	
16	97.65	107	17	48	73	32	1.30		18	51	78	56	2.50		17	0.65		16	
17	103.67	113	17	48	73	32	1.40		18	55	82	56	2.60		17	0.75		17	
18	109.71	119	17	55	83	40	2.00		18	60	90	56	3.20		17	0.84		18	
19	115.74	126	17	55	83	40	2.10		18	63	94	56	3.70		17	0.93		19	
20	121.78	132	17	55	83	40	2.20		23	66	100	56	4.20		17	1.05		20	
21	127.82	138	17	55	83	40	2.30		23	66	100	56	4.40		17	1.15		21	
22	133.86	144	17	55	83	40	2.50		23	66	100	56	4.90		17	1.25		22	
23	139.90	150	17	55	83	40	2.50		23	66	100	56	4.70		17	1.40		23	
24	145.95	156	17	55	83	40	2.60		23	89	120	56	6.00		17	1.50		24	
25	151.99	162	17	55	83	40	2.70		23	89	120	56	6.40		17	1.62		25	
26	158.04	168	17	55	83	40	2.90		23	89	120	56	6.80		17	1.78		26	
27	164.09	174	21	55	83	40	3.00		23	89	120	56	7.30		21	1.90		27	
28	170.14	180	21	55	83	40	3.10		23	89	120	56	7.80		21	2.05		28	
29	176.20	187	21	55	83	40	3.30		23	89	120	56	7.80		21	2.20		29	
30	182.25	193	21	55	83	40	3.40		28	89	130	56	9.00		21	2.35		30	
31	188.30	199	21	55	83	40	3.64		Mild Steel SS41 (Welded hub)	28	89	127	56		9.50	21		2.50	31
32	194.35	205	21	55	83	40	3.80			28	89	127	56		9.50	21		2.68	32
33	200.41	211	21	55	83	40	4.00			28	89	127	56		11.00	21		2.85	33
34	206.46	217	21	55	83	40	4.15	28		89	127	56	11.00	21	3.02	34			
35	212.52	223	21	55	83	40	4.33	28		89	127	56	11.00	21	3.00	35			
36	218.57	229	21	55	83	40	4.52	28		66	98	56	8.50	21	3.40	36			
37	224.63	235	21	55	83	40	4.70	28		66	98	56	8.50	21	3.60	37			
38	230.69	241	21	55	83	40	4.90	28		66	98	56	9.00	21	3.80	38			
39	236.74	247	21	55	83	40	5.10	28		66	98	56	9.00	21	4.00	39			
40	242.80	253	21	55	83	40	5.30	28		66	98	56	9.70	21	4.20	40			
41	248.86	260	23	63	93	45	6.00	28		75	107	56	11.00	23	4.45	41			
42	254.92	266	23	63	93	45	6.40	28		75	107	56	11.00	23	4.63	42			
43	260.98	272	23	63	93	45	6.60	28		75	107	56	11.00	23	4.85	43			
44	267.03	278	23	63	93	45	6.88	28		75	107	71	12.80	23	5.10	44			
45	273.09	284	23	63	93	45	7.10	28		75	107	71	12.80	23	5.30	45			
48	291.27	302	23	63	93	45	7.85	28	75	107	71	14.00	23	6.10	48				
50	303.39	314	23	63	93	45	8.40	28	75	107	71	16.00	23	6.60	50				
54	327.63	338	23	63	93	45	9.50	28	75	107	71	18.00	23	7.70	54				
60	363.99	375	23	63	93	45	11.30	28	75	107	71	21.50	23	9.50	60				
65	394.30	405	26	70	107	45	13.50	28	75	107	71	24.00	26	11.20	65				
70	424.61	436	26	70	107	45	15.30	28	75	107	71	30.00	26	13.00	70				
72	436.73	448	26	70	107	45	16.00	28	75	107	71	30.00	26	13.70	72				
75	454.92	466	26	70	107	45	17.20	28	75	107	71	30.00	26	14.90	75				
80	485.23	496	30	80	117	50	20.00	30	80	117	50	20.00	30	16.90	80				
84	509.48	521	30	80	117	50	21.90	30	80	117	50	21.90	30	18.70	84				
85	515.54	527	30	80	117	50	22.30	30	80	117	50	22.30	30	19.10	85				
90	545.85	557	30	80	117	50	24.60	30	80	117	50	24.60	30	21.40	90				
92	557.98	569	30	80	117	50	25.60	30	80	117	50	25.60	30	22.40	92				
95	576.17	587	30	80	117	50	27.10	30	80	117	50	27.10	30	23.90	95				
96	582.23	593	30	80	117	50	26.70	30	80	117	50	26.70	30	24.40	96				

• The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.

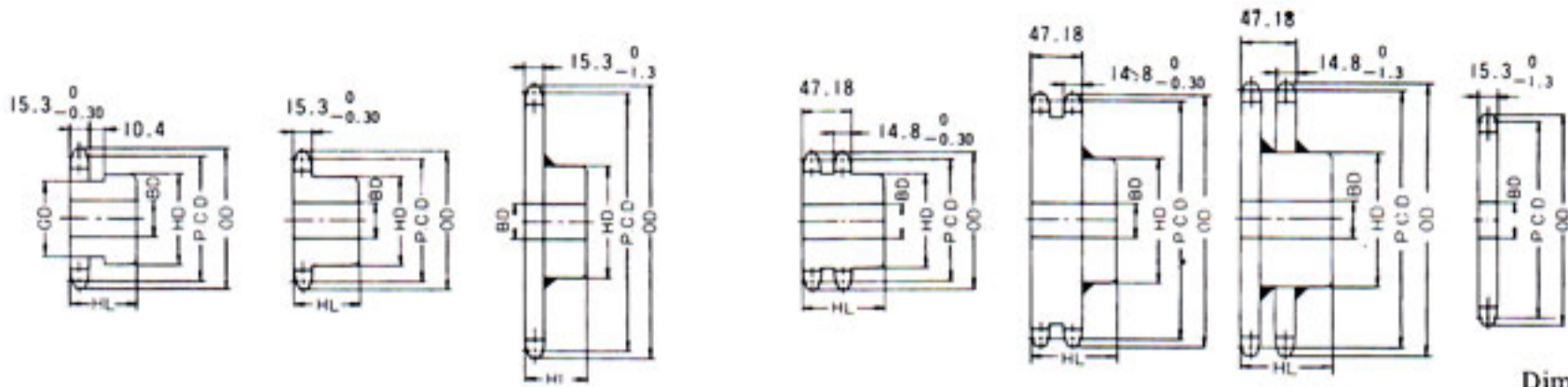
• Sprockets (B-type only) in color shaded show "with hardened teeth."

• Bore, keyways and setscrews will be machined upon request.

• Sprockets shown with an asterisk (*) have a recessed groove in hub for chain clearance. Groove dimensions (GD) are 9T = 32, 10T = 37, 11T = 45

• Also available are sprockets other than those shown above.

16B EUROPEAN STANDARD SPROCKET

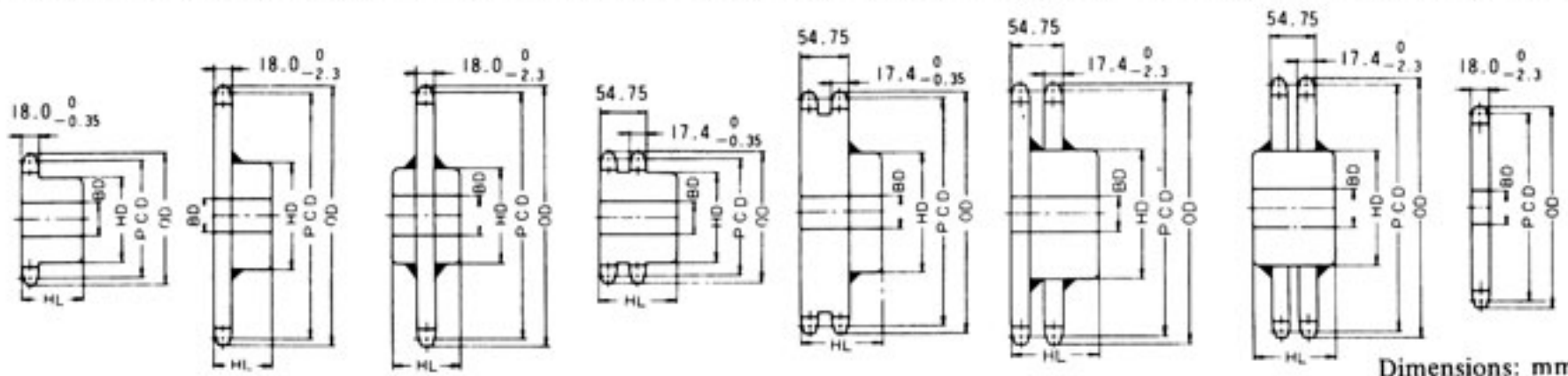


Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D.)	Out-side Dia. (O.D.)	SINGLE B TYPE						DOUBLE B TYPE						SINGLE A TYPE			No. of Teeth
			Bore (BD)		Hub		Approx. Weight (kg)	Mate-rials	Bore (BD)		Hub		Approx. Weight (kg)	Mate-rials	Bore (BD) Stock	Approx. Weight (kg)	Mate-rials	
			Stock	Max.	HD	HL			Stock	Max.	HD	HL						
9	74.27	85	17	35	★58	40	0.87	SAE 1040							17	0.49	SAE 1040	9
10	82.19	93	17	32	52	40	0.97		21	35	58	63	2.00		17	0.60		10
11	90.15	102	17	38	60	40	1.20		21	38	60	63	2.50		17	0.73		11
12	98.14	110	21	45	67	40	1.50		23	46	69	63	2.70		21	0.85		12
13	106.14	118	21	51	77	40	1.90		23	55	80	63	3.40		21	1.00		13
14	114.15	127	21	51	77	40	2.00		23	60	88	63	3.90		21	1.16		14
15	122.17	135	21	63	93	40	2.60		23	63	95	63	4.40		21	1.30		15
16	130.20	143	21	63	93	40	2.80		23	66	100	71	5.40		21	1.50		16
17	138.23	151	21	63	93	40	3.00		23	66	100	71	6.00		21	1.70		17
18	146.27	159	21	63	93	40	3.20		23	80	120	71	7.50	SAE1040 (Welded hub)	21	1.90		18
19	154.32	167	22	63	93	40	3.40		23	80	120	71	8.00		22	2.10		19
20	162.37	176	22	63	93	40	3.60		23	80	130	71	9.00	22	2.35	20		
21	170.42	184	22	63	93	40	3.80		23	80	130	71	9.50	22	2.57	21		
22	178.48	192	26	75	107	45	5.00		Mild Steel SS41 (Welded hub)	33	80	117	71	8.80	26	2.82		22
23	186.54	200	26	75	107	45	5.23			33	80	117	71	9.30	26	3.10		23
24	194.60	208	26	75	107	45	5.50			33	80	117	80	10.50	26	3.35		24
25	202.66	216	26	75	107	45	5.80			33	80	117	80	11.10	26	3.65		25
26	210.72	224	26	75	107	45	6.10			33	80	117	80	11.70	26	3.95		26
27	218.79	233	26	75	107	45	6.40			33	80	117	80	12.50	26	4.25		27
28	226.86	241	26	75	107	45	6.75			33	80	117	80	13.50	26	4.60		28
29	234.93	249	26	75	107	45	7.10	33		80	117	80	14.20	26	4.93	29		
30	243.00	257	26	75	107	45	7.40	33		80	117	80	14.20	26	5.30	30		
31	251.07	265	26	75	107	45	7.80	33		80	117	80	16.50	26	5.63	31		
32	259.14	273	26	75	107	45	8.15	33		80	117	80	17.90	26	6.00	32		
33	267.21	281	26	75	107	45	8.50	33		80	117	80	19.00	26	6.40	33		
34	275.29	289	26	75	107	45	8.90	33		80	117	80	21.00	26	6.80	34		
35	283.36	297	26	75	107	45	9.30	33		80	117	80	23.70	26	7.20	35		
36	291.43	306	30	80	117	50	10.60	38		89	127	80	26.00	30	7.60	36		
37	299.51	314	30	80	117	50	11.00	38		89	127	80	28.40	30	8.00	37		
38	307.58	322	30	80	117	50	11.40	38		89	127	80	32.00	30	8.50	38		
39	315.66	330	30	80	117	50	11.90	38		89	127	90	34.00	30	8.90	39		
40	323.74	338	30	80	117	50	12.40	38		89	127	90	38.50	30	9.40	40		
41	331.81	346	30	80	117	50	12.80	38		89	127	90	46.20	30	9.90	41		
42	339.89	354	30	80	117	50	13.30	38	89	127	90	52.00	30	10.30	42			
43	347.97	362	30	80	117	50	13.80	38	89	127	90	65.00	30	10.80	43			
44	356.04	370	30	80	117	50	14.30	38	89	127	90	8.00	30	11.40	44			
45	364.12	378	30	80	117	50	14.90	38	89	127	90	8.00	30	11.90	45			
48	388.36	403	30	80	117	50	15.80	38	89	127	90	13.50	30	13.50	48			
50	404.52	419	30	80	117	50	17.65	38	89	127	90	14.70	30	14.70	50			
54	436.84	451	30	80	117	50	20.00	38	89	127	90	17.10	30	17.10	54			
60	485.33	500	30	80	117	50	23.10	38	89	127	90	21.10	30	21.10	60			
65	525.73	540	38	85	127	63	28.80	38	89	127	90	24.80	38	24.80	65			
70	566.15	581	38	85	127	63	32.10	38	89	127	90	28.80	38	28.80	70			
72	582.31	597	38	85	127	63	34.50	38	89	127	90	30.50	38	30.50	72			
75	606.56	621	38	85	127	63	36.20	38	89	127	90	33.10	38	33.10	75			
80	646.97	662	38	90	137	71	42.90	38	89	127	90	37.60	38	37.60	80			
84	679.31	694	38	90	137	71	46.70	38	89	127	90	41.50	38	41.50	84			
85	687.39	702	38	90	137	71	47.70	38	89	127	90	42.50	38	42.50	85			
90	727.80	743	38	90	137	71	52.90	38	89	127	90	47.60	38	47.60	90			
92	743.97	759	38	90	137	71	55.00	38	89	127	90	49.80	38	49.80	92			
95	768.22	783	38	90	137	71	58.30	38	89	127	90	53.10	38	53.10	95			
96	776.31	791	38	90	137	71	59.40	38	89	127	90	54.20	38	54.20	96			

The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.
 Sprockets (B-type only) in color shaded show "with hardened teeth."
 Bore, keyways and setscrews will be machined upon request.
 Sprockets shown with an asterisk (*) have a recessed groove in hub for chain clearance. Groove dimensions (GD) are 9T = 44
 Also available are sprockets other than those shown above.

20B EUROPEAN STANDARD SPROCKET

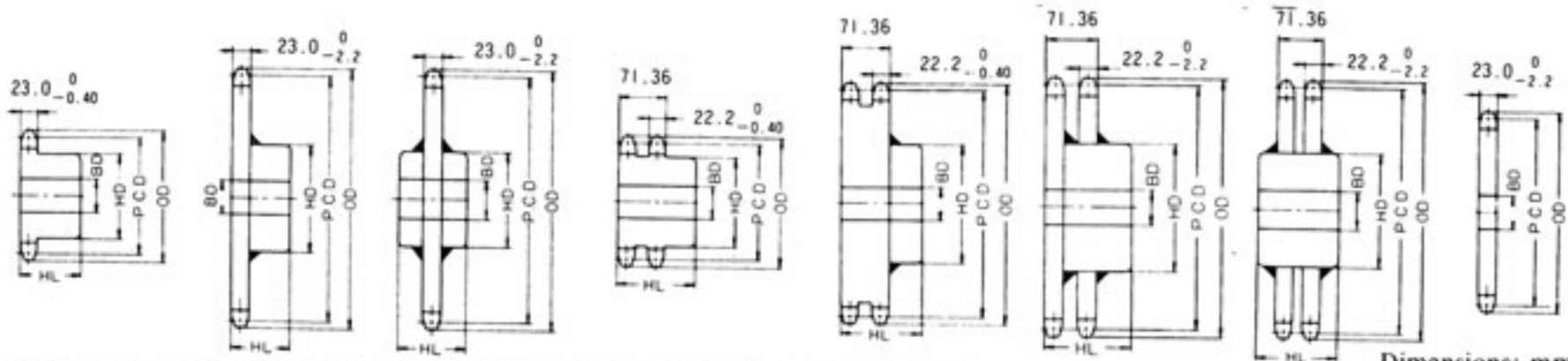


Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D)	Outside Dia. (OD)	SINGLE B TYPE					DOUBLE B TYPE					SINGLE A TYPE			No. of Teeth						
			Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD)		Hub		Approx. Weight (kg)	Materials	Bore (BD) Stock		Approx. Weight (kg)	Materials				
			Stock	Max.	HD	HL			Stock	Max.	HD	HL										
9	92.84	106	21	40	62	50	1.60	SAE 1040	SAE 1040	21	0.90	SAE 1040	21	0.90	SAE 1040	9						
10	102.74	117	22	45	65	50	1.90			22	46		70	80		3.50	22	1.10	22	10		
11	112.70	127	22	51	75	50	2.30			22	55		80	80		4.20	22	1.33	22	11		
12	122.67	138	22	57	86	50	2.90			28	60		90	80		5.00	22	1.60	22	12		
13	132.67	148	22	63	94	50	3.10			28	66		100	80		6.00	22	1.90	22	13		
14	142.68	158	22	66	98	50	3.60			28	75		110	80		7.00	22	2.15	22	14		
15	152.71	168	22	66	98	50	4.20			28	80		120	80		7.10	22	2.50	22	15		
16	162.74	179	22	66	98	50	4.60			SAE 1040 (Welded hub)	28		89	130		80	7.70	22	2.83	22	16	
17	172.79	189	22	75	107	50	5.30				28		89	130		80	8.90	22	3.20	22	17	
18	182.84	199	22	75	107	50	5.70				28		89	130		80	9.60	22	3.60	22	18	
19	192.90	209	26	75	107	50	6.10				28		89	130		90	12.80	26	4.00	26	19	
20	202.96	220	26	75	107	50	6.50				28		89	130		90	13.50	26	4.40	26	20	
21	213.03	230	26	75	107	50	7.00				28		89	130		90	14.30	26	4.90	26	21	
22	223.10	240	30	80	117	56	7.90				Mild Steel SS 41 (Welded hub)		28	89		127	90	15.50	30	5.35	30	22
23	233.17	250	30	80	117	56	8.50						28	89		127	90	16.60	30	5.80	30	23
24	243.25	260	30	80	117	56	8.80	38	95			137	90	17.80	30	6.40	30	24				
25	253.32	270	30	80	117	56	9.30	38	95			137	90	18.50	30	6.90	30	25				
26	263.40	281	30	80	117	56	9.80	38	95	137		90	19.80	30	7.50	30	26					
27	273.49	291	30	80	117	56	10.30	38	95	137		90	21.00	30	8.10	30	27					
28	283.57	301	30	80	117	56	10.90	38	95	137		90	22.00	30	8.70	30	28					
29	293.66	311	30	80	117	56	11.50	38	95	137		90	24.00	30	9.30	30	29					
30	303.75	321	30	80	117	56	12.10	38	95	137		90	27.30	30	10.00	30	30					
31	313.83	331	35	80	117	56	13.00	Mild Steel SS 41 (Welded hub)	38	95		137	90	27.30	35	10.65	35	31				
32	323.92	341	35	80	117	56	13.40		38	95		137	90	30.00	35	11.35	35	32				
33	334.01	352	35	80	117	56	14.50		38	95		137	90	32.90	35	12.00	35	33				
34	344.11	362	35	80	117	56	16.10		38	95		137	90	36.50	35	12.80	35	34				
35	354.20	372	35	89	127	63	16.60		38	95		137	90	40.00	35	13.50	35	35				
36	364.29	382	35	89	127	63	17.50		Mild Steel SS 41 (Welded hub)	38		95	137	90	40.00	35	14.40	35	36			
37	374.38	392	35	89	127	63	18.00			38	95	137	90	45.70	35	15.10	35	37				
38	384.48	402	35	89	127	63	18.90			38	95	137	90	49.00	35	16.00	35	38				
39	394.57	412	35	89	127	63	20.00			38	103	147	100	53.30	35	16.80	35	39				
40	404.67	422	35	89	127	63	20.40			38	103	147	100	53.30	35	17.70	35	40				
41	414.77	433	35	89	127	63	21.50			Mild Steel SS 41 (Welded hub)	38	103	147	100	53.30	35	18.60	35	41			
42	424.86	443	35	89	127	63	22.60				38	103	147	100	63.00	35	19.50	35	42			
43	434.96	453	35	89	127	63	23.50				38	103	147	100	68.30	35	20.50	35	43			
44	445.06	463	35	89	127	63	24.00				38	103	147	100	68.30	35	21.45	35	44			
45	455.16	473	35	89	127	63	24.70				38	103	147	100	68.30	35	22.40	35	45			
48	485.45	503	35	89	127	63	27.50	Mild Steel SS 41 (Welded hub)			38	103	147	100	68.30	35	25.50	35	48			
50	505.65	524	38	89	127	63	30.00				38	103	147	100	68.30	38	27.70	38	50			
54	546.05	564	38	103	147	80	37.40				38	103	147	100	68.30	38	32.30	38	54			
60	606.66	625	38	103	147	80	44.30				38	103	*147	125	68.30	38	39.90	38	60			
65	657.17	675	38	103	147	80	53.00				38	103	*147	125	68.30	38	46.80	38	65			
70	707.68	726	38	103	*147	100	44.70		Mild Steel SS 41 (Welded hub)		38	103	*147	125	68.30	38	54.30	38	70			
72	727.89	746	38	103	*147	100	46.00				38	103	*147	125	68.30	38	57.40	38	72			
75	758.20	777	38	103	*147	100	47.00				38	103	*147	125	68.30	38	62.30	38	75			

- The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.
- Sprockets (B-type only) in color shaded show "with hardened teeth."
- Bore, keyways and setscrews will be machined upon request.
- Also available are sprockets other than those shown above.
- * Marked item shows C-type

24B EUROPEAN STANDARD SPROCKET



Dimensions: mm

No. of Teeth	Pitch Dia. (P.C.D)	Out-side Dia. (OD)	SINGLE B TYPE					DOUBLE B TYPE					SINGLE A TYPE			No. of Teeth		
			Bore (BD)		Hub		Approx. Weight (kg)	Mate-rials	Bore (BD)		Hub		Approx. Weight (kg)	Mate-rials	Bore (BD) Stock		Approx. Weight (kg)	Mate-rials
			Stock	Max.	HD	HL			Stock	Max.	HD	HL						
10	123.29	140	26	51	78	56	3.20	SAE 1040	26	55	80	100	8.00	SAE 1040	26	2.16	Mild Steel (SS 41)	10
11	135.24	153	26	60	91	56	4.00		26	60	90	100	8.70		26	2.60		11
12	147.21	165	26	66	98	56	4.80		28	66	100	100	9.20		26	3.10		12
13	159.20	177	26	66	98	56	5.30		28	75	115	100	10.90		26	3.60		13
14	171.22	190	26	75	107	56	6.30		28	80	120	100	11.40		26	4.20		14
15	183.25	202	30	80	117	63	7.80		38	80	120	100	13.20		30	4.80		15
16	195.29	214	30	80	117	63	8.40		38	95	140	100	16.50		30	5.50		16
17	207.35	227	30	80	117	63	9.10		38	95	140	100	19.00		30	6.20		17
18	219.41	239	30	80	117	63	9.90		38	103	150	100	21.00		30	6.95		18
19	231.48	251	30	80	117	63	10.70		38	103	150	100	23.00		30	7.70		19
20	243.55	263	30	89	127	63	12.10		38	103	150	100	26.00	30	8.55	20		
21	255.63	276	30	89	127	63	13.00		38	103	150	100	28.00	30	9.40	21		
22	267.72	288	35	89	127	63	13.40		Mild Steel SS 41 (Welded hub)	38	103	147	100	30.00	35	10.30		22
23	279.80	300	35	89	127	63	14.50			38	103	147	100	33.00	35	11.30		23
24	291.90	312	35	89	127	63	15.20			38	110	157	100	31.00	35	12.30		24
25	303.99	324	35	89	127	63	16.20			38	110	157	100	33.00	35	13.30		25
26	316.09	337	35	89	127	63	17.20			38	110	157	100	35.00	35	14.40		26
27	328.19	349	35	89	127	63	19.00			38	110	157	100	37.00	35	15.50		27
28	340.29	361	38	95	137	71	20.90			38	110	157	100	39.00	38	16.70		28
30	364.50	385	38	95	137	71	23.20			38	110	157	100	43.90	38	19.20		30
32	388.71	410	38	95	137	71	25.70	38		110	157	100	47.00	38	21.80	32		
35	425.04	446	38	95	137	71	29.70	38		110	157	100	56.80	38	26.10	35		
36	437.15	458	38	95	137	71	32.00	38		110	157	100	60.00	38	27.60	36		
38	461.38	483	38	95	137	71	35.00	38		110	157	100	67.00	38	30.80	38		
40	485.60	507	38	103	147	80	38.20	43		125	*177	140	81.30	38	34.10	40		
42	509.84	531	38	103	147	80	42.00	43		125	*177	140	87.00	38	37.60	42		
45	546.19	568	38	103	147	80	47.60	43		125	*177	140	98.50	38	43.10	45		
48	582.54	604	38	103	147	80	53.00	43	125	*177	140	104.00	38	49.00	48			
50	606.78	628	38	103	147	80	58.00	43	125	*177	140	115.00	38	53.30	50			
54	655.26	677	38	103	*147	100	70.00	43	125	*177	140	121.00	38	62.10	54			
60	727.99	750	38	118	*167	100	88.00	43	125	*177	160	131.60	38	76.70	60			
65	788.60	811	38	118	*167	100	100.00						38	90.00	65			
70	849.22	871	38	118	*167	112	117.00						38	104.00	70			
75	909.84	932	38	118	*167	112	130.00						38	119.00	75			

- The maximum bore dia. shows the general application and please decide your bore dia. by the normal designing of industrial machines. Please also check the face pressure of keyway.
- Sprockets (B-type only) in color shaded show "with hardened teeth."
- Bore, keyways and setscrews will be machined upon request.
- Also available are sprockets other than those shown above.
- * Marked item shows C type