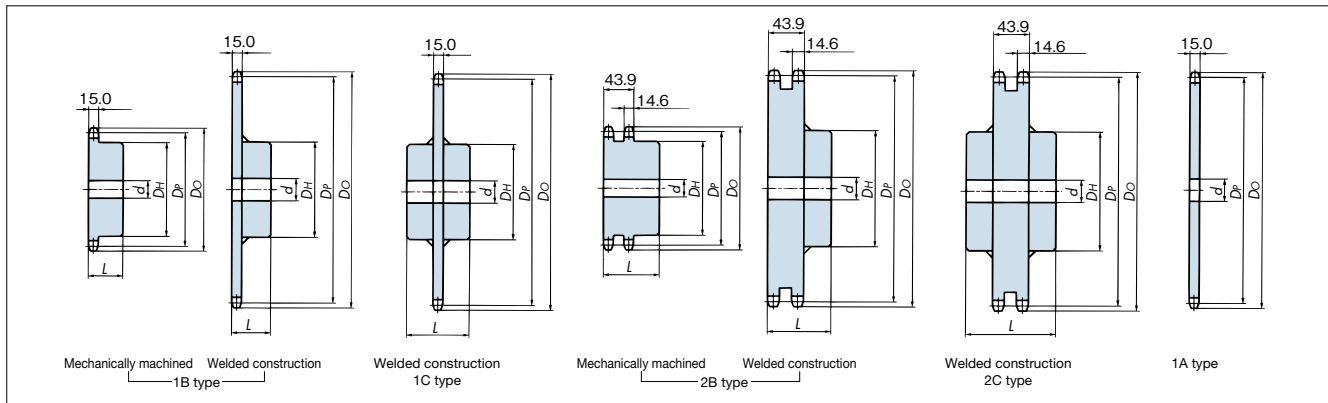
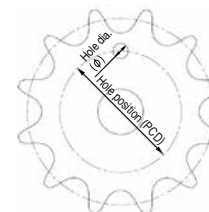




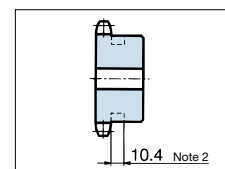
Number of teeth	Pitch circle dia. D_p	Outer dia. (D_o)	1B type						Material	1C type						Material	2B type						Material	2C type						Material	1A type			Number of teeth								
			Bore dia. d		Hub		Approx. mass kg	Pilot bore		Max.	Bore dia. d		Hub		Approx. mass kg		Pilot bore	Max.	Bore dia. d		Hub			Approx. mass kg	Pilot bore	Max.	Bore dia. d		Hub		Approx. mass kg	Pilot bore dia. d_p	Approx. mass kg									
			Dia. D_H	Length L	Dia. D_H	Length L					Dia. D_H	Length L	Dia. D_H	Length L					Dia. D_H	Length L	Dia. D_H	Length L					Dia. D_H	Length L														
9	74.26	85	15.9	35	58	40	0.79	Mechanically machined: machine-structural carbon steel	28	75	107	60	5.7	Welded construction: machine-structural carbon steel (teeth and hub)	28	80	117	71	10.0	Mechanically machined: machine-structural carbon steel	23	75	98	89	7.2	Welded construction: machine-structural carbon steel (teeth and hub)	28	80	117	100	12.6	28	2.9	Machine-structural carbon steel	9							
10	82.20	93	15.9	32	52	40	0.88																												19	46	67	63	2.3	23	0.73	10
11	90.16	102	15.9	38	60	40	1.1																												19	50	77	63	2.9	23	0.87	11
12	98.14	110	19	45	67	40	1.4																												19	58	86	63	3.5	23	1.0	12
13	106.14	118	19	50	77	40	1.7																												19	64	94	63	4.1	23	1.2	13
14	114.15	127	19	50	77	40	1.9																												19	70	102	71	5.3	23	1.4	14
15	122.17	135	19	63	93	40	2.5																												19	76	110	71	6.1	23	1.6	15
16	130.20	143	19	63	93	40	2.7																												23	66	98	71	6.1	23	1.8	16
17	138.23	151	19	63	93	40	2.8																												23	66	98	71	6.7	23	2.0	17
18	146.27	159	19	63	93	40	3.0																												23	75	107	71	7.7	23	2.2	18
19	154.32	167	23	63	93	40	3.2																												23	75	107	71	8.3	23	2.4	19
20	162.37	176	23	63	93	40	3.4																												23	80	117	71	9.3	23	2.7	20
21	170.42	184	23	63	93	40	3.7																												23	80	117	71	10.0	23	2.9	21
22	178.48	192	28	75	107	45	4.7																												23	80	117	80	11.6	23	3.2	22
23	186.54	200	28	75	107	45	4.9																												23	80	117	80	12.4	23	3.5	23
24	194.60	208	28	75	107	45	5.2																												23	80	117	80	13.2	23	3.8	24
25	202.66	216	28	75	107	45	5.5																												23	80	117	80	14.1	23	4.1	25
26	210.72	224	28	75	107	45	5.8																												23	80	117	80	15.0	23	4.4	26
27	218.79	233	28	75	107	45	6.1	23	80	117	80	15.8	23	5.1	27																											
28	226.86	241	28	75	107	45	6.4	23	80	117	80	16.7	23	5.6	28																											
30	243.00	257	28	75	107	45	7.1	Welded construction: machine-structural carbon steel (teeth and hub)	28	75	107	65	8.4	Welded construction: machine-structural carbon steel (teeth and hub)	28	80	117	80	17.0	Welded construction: machine-structural carbon steel (teeth and hub)	28	80	117	100	18.7	Welded construction: machine-structural carbon steel (teeth and hub)	28	80	117	100	20.7	30										
32	259.14	273	28	75	107	45	7.8		28	75	107	65	9.1		28	80	117	80	19.0		28	80	117	100	20.7		32															
34	275.28	289	28	75	107	45	8.6		28	75	107	65	9.9		28	80	117	80	21.2		28	80	117	100	22.9		34															
35	283.36	297	28	75	107	45	9.0		28	75	107	65	10.3		28	80	117	80	22.4		28	89	127	105	25.4		35															
36	291.43	306	33	80	117	50	10.1		33	80	117	65	11.3		28	80	117	80	23.6		28	89	127	105	26.6		36															
38	307.58	322	33	80	117	50	11.0		33	80	117	80	13.3		28	80	117	80	26.0		28	89	127	105	29.1		38															
40	323.74	338	33	80	117	50	12.0		33	80	117	80	14.3		33	89	127	90	29.8		33	89	127	105	31.3		40															
42	339.89	354	33	80	117	50	12.9		33	80	117	80	15.2		33	89	127	90	32.5		33	89	127	105	34.1		42															
45	364.12	378	33	80	117	50	14.5		33	80	117	80	16.8		33	89	127	90	36.9		33	89	127	105	38.4		45															
48	388.36	403	33	80	117	50	16.1		33	80	117	80	18.4		33	89	127	90	41.6		33	89	127	105	43.2		48															
50	404.52	419	33	80	117	50	17.3		33	80	117	80	19.6		33	89	127	90	45.0		33	89	127	105	46.5		50															
54	436.84	451	33	80	117	50	19.8		33	80	117	80	22.0		33	89	127	90	52.2		33	89	127	105	53.6		54															
60	485.33	500	33	80	117	50	23.9		33	80	117	80	26.1		33	89	127	90	63.9		33	89	127	105	65.3		60															
65	525.73	540	33	89	127	63	29.3		33	89	127	90	31.7		Note 6	33	89	127	90		63.9	33	89	127	105		65.3	Note 6	65													
70	566.15	581	33	89	127	63	33.3	33	89	127	90	35.7	33	89						127						90			40.0	33	89	127	105	68.8	70							
75	606.56	621	33	89	127	63	37.7	33	89	127	90	40.0	33	89						127						90			40.0	33	89	127	105	71.3	75							

- Note: 1. Maximum bore diameters shown are standard figures. Determine bore diameter and key bearing pressure based on general mechanical design.
2. Models marked with an * above have a groove around the periphery of the hub (shown in the diagram on the right). Groove outer diameter is 44 for 9T.
3. Models in the dimensional chart whose approximate mass is in bold font have one hanging hole. See the diagram on the right for more information.
4. Models with unhardened teeth as standard can be manufactured with hardened teeth (quick delivery).
5. Models in shaded areas have hardened teeth.
6. Models with welded construction, rolled steel for general structural use (teeth), carbon steel for machine structural use (hub), and hardened teeth are made-to-order.
7. Models with dimensions in thin font are made-to-order. All other items are stocked.

Hanging hole dimensions



The phase relationship between the hanging hole and teeth may vary.



No. of teeth	2B/2C bore dia. ($\phi 30$)	Hole position (PCD)
40	242	
42	258	
45	283	
48	307	
50	323	
54	355	
60	404	

Model numbering example

RS80 -2 B 18T

Size
Number of strands
Number of teeth
Hub type

Hardened teeth model numbering example

RS80 -2 B 40T Q

Size
Number of strands
Number of teeth
Hub type
Hardened teeth