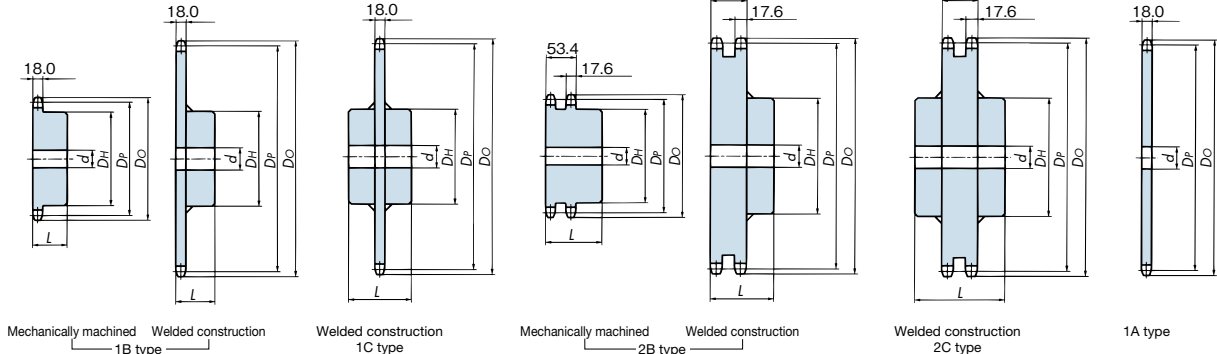




Number of teeth	Pitch circle dia. D_p	Outer dia. (D_o)	1B type					1C type					2B type					2C type					1A type		Number of teeth
			Bore dia. d		Hub		Approx. mass kg	Material	Bore dia. d		Hub		Approx. mass kg	Material	Bore dia. d		Hub		Approx. mass kg	Material	Pitch bore dia. d	Approx. mass kg	Material		
			Pilot bore	Max.	Dia. D_H	Length L			Pilot bore	Max.	Dia. D_H	Length L			Pilot bore	Max.	Dia. D_H	Length L						Pilot bore	
10	102.75	117	18	43	65	50	1.8	Mechanically machined; machine-structural carbon steel																10	
11	112.70	127	23	50	75	50	2.2																	11	
12	122.67	138	23	57	86	50	2.8																	12	
13	132.67	148	23	59	88	50	3.1																	13	
14	142.68	158	23	59	88	50	3.4																	14	
15	152.71	168	28	66	98	50	4.0																	15	
16	162.75	179	28	66	98	50	4.3																	16	
17	172.79	189	28	75	107	50	5.1																	17	
18	182.84	199	28	75	107	50	5.4																	18	
19	192.90	209	28	75	107	50	5.8																	19	
20	202.96	220	28	75	107	50	6.3	Mechanically machined; machine-structural carbon steel																20	
21	213.03	230	28	75	107	50	6.7																	21	
22	223.10	240	33	80	117	56	8.1		33	80	117	80	9.9											22	
23	233.17	250	33	80	117	56	8.6		33	80	117	80	10.4											23	
24	243.25	260	33	80	117	56	9.1		33	80	117	80	10.9											24	
25	253.32	270	33	80	117	56	9.6		33	80	117	80	11.4											25	
26	263.41	281	33	80	117	56	10.2		33	80	117	80	12.0											26	
27	273.49	291	33	80	117	56	10.8		33	80	117	80	12.6											27	
28	283.57	301	33	80	117	56	11.4		33	80	117	80	13.2											28	
30	303.75	321	33	80	117	56	12.7		33	80	117	80	14.5											30	
32	323.92	341	33	80	117	56	14.1	Welded construction; machine-structural carbon steel (teeth and hub)	33	89	127	90	17.7											32	
34	344.10	362	33	89	127	63	16.8		33	89	127	90	19.1											34	
35	354.20	372	33	89	127	63	17.5		33	89	127	90	19.9											35	
36	364.29	382	33	89	127	63	18.3		33	89	127	90	20.7											36	
38	384.48	402	33	89	127	63	20.0		33	89	127	90	22.3											38	
40	404.67	422	33	89	127	63	21.7		33	89	127	90	24.1											40	
42	424.86	443	33	89	127	63	23.6		33	89	127	90	25.9											42	
45	455.15	473	33	89	127	63	26.5		33	89	127	90	28.8											45	
48	485.45	503	33	89	127	63	29.3		33	89	127	90	31.7											48	
50	505.65	524	33	89	127	63	31.5		33	89	127	90	33.9											50	
54	546.05	564	33	103	147	80	39.7	Welded construction; machine-structural carbon steel (teeth and hub)	33	103	147	90	40.9											54	
60	606.66	625	33	103	147	80	47.4		33	103	147	100	49.8											60	
65	657.17	675	38	103	147	80	54.1		38	103	147	100	56.6											65	
70	707.68	726	38	103	147	80	61.8		38	103	147	100	64.1											70	
75	758.20	777	38	103	147	80	70.0		38	103	147	100	72.2											75	

Note: 1. Maximum bore diameters shown are standard figures. Determine bore diameter and key bearing pressure based on general mechanical design.

2. 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.

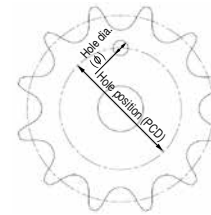
3. Models in shaded areas have hardened teeth.

4. Models with unhardened teeth as standard can be manufactured with hardened teeth (quick delivery).

5. Models with hardened teeth are made-to-order.

6. 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	1B/1C/1A bore dia. (φ40)	2B/2C bore dia. (φ35)
	Hole position (PCD)	Hole position (PCD)
32		224
34		245
35		255
36		265
38		285
40		305
42		326
45		356
48		386
50	392	407
54	412	447
60	453	508
65	513	
70	564	
75	614	

Model numbering example

RS100 -2 B 15T

Size
Number of strands
Number of teeth
Hub type

Hardened teeth model numbering example

RS100 -2 B 20T Q

Size
Number of strands
Number of teeth
Hub type
Hardened teeth