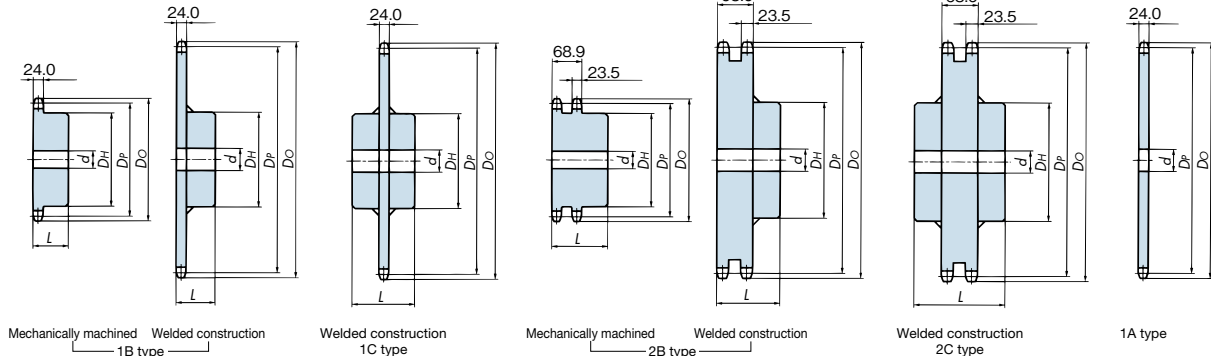




Number of teeth	Pitch circle dia. D_p	Outer dia. (D_o)	1B type					1C type					2B type					2C type					1A type			Number of teeth	
			Bore dia. d		Hub		Approx. mass kg	Material	Bore dia. d		Hub		Approx. mass kg	Material	Bore dia. d		Hub		Approx. mass kg	Material	Pilot bore dia. d	Approx. mass kg	Material				
			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	Max.		Dia. D_H
10	123.29	140	23	51	78	56	3.0	Mechanically machined: machine-structural carbon steel																10			
11	135.23	153	28	60	91	56	3.8																	11			
12	147.21	165	28	66	98	56	4.5																	12			
13	159.20	177	28	66	98	56	5.0																	13			
14	171.22	190	28	75	107	56	6.0																	14			
15	183.25	202	33	80	117	63	7.4																	15			
16	195.29	214	33	80	117	63	8.1																	16			
17	207.35	227	33	80	117	63	8.8																	17			
18	219.41	239	33	80	117	63	9.5																	18			
19	231.48	251	33	80	117	63	10.3																	19			
20	243.55	263	33	89	127	63	11.7	Welded construction: machine-structural carbon steel (teeth and hub)															20				
21	255.63	276	33	89	127	63	12.5																21				
22	267.72	288	33	89	127	63	13.6		33	89	127	80	15.1		33	110	157	100	30.6	33	110	157	135	35.8	33	9.9	22
23	279.80	300	33	89	127	63	14.6		33	89	127	80	16.1		33	110	157	100	33.2	33	110	157	135	38.4	33	10.8	23
24	291.90	312	33	89	127	63	15.6		33	89	127	80	17.0		33	110	157	100	36.0	33	110	157	135	41.2	33	11.8	24
25	303.99	324	33	89	127	63	16.6		33	89	127	80	18.1		33	110	157	100	38.8	33	110	157	135	44.0	33	12.9	25
26	316.09	337	33	89	127	63	17.7		33	89	127	80	19.2		33	110	157	100	41.8	33	110	157	135	47.1	33	14.0	26
27	328.19	349	33	89	127	63	18.8		33	89	127	80	20.3		33	110	157	100	44.9	33	110	157	135	50.1	33	15.1	27
28	340.29	361	33	103	147	71	22.3		33	95	137	100	24.5		33	110	157	100	48.1	33	110	157	135	53.4	33	16.2	28
30	364.49	385	33	103	147	71	24.8		33	95	137	100	27.0		33	110	157	100	54.5	33	110	157	135	59.7	33	18.7	30
32	388.71	410	33	103	147	71	27.4	Welded construction: machine-structural carbon steel (teeth and hub)	33	95	137	100	29.6		33	110	157	100	61.9	33	110	157	135	67.1	33	21.3	32
34	412.93	434	33	103	147	71	30.2		33	95	137	100	32.5		33	110	157	100	69.7	33	110	157	135	74.9	33	24.1	34
35	425.04	446	33	103	147	71	31.4		33	95	137	100	33.7		33	110	157	100	73.7	33	110	157	135	79.0	33	25.4	35
36	437.15	458	33	103	147	71	33.0		33	95	137	100	35.2		38	110	157	100	77.8	33	110	157	135	83.3	33	26.9	36
38	461.37	483	38	103	147	80	37.1		38	103	147	100	39.5		38	110	157	100	86.7	33	110	157	135	92.1	38	30.0	38
40	485.60	507	38	103	147	80	40.4		38	103	147	100	42.8		38	120	177	110	99.1	38	120	177	160	108.4	38	33.3	40
42	509.83	531	38	103	147	80	43.9		38	103	147	110	47.5		38	120	177	110	109.0	38	120	177	160	118.3	38	36.8	42
45	546.19	568	38	103	147	80	49.5		38	103	147	110	53.1		38	120	177	110	124.7	38	120	177	160	134.0	38	42.4	45
48	582.54	604	38	103	147	80	55.4		38	103	147	110	59.1		38	120	177	110	141.4	38	120	177	160	150.7	38	48.4	48
50	606.78	628	38	103	147	80	59.6		38	103	147	110	63.3		38	120	177	110	153.3	38	120	177	160	162.6	38	52.6	50
54	655.26	677	38	110	157	90	71.1	Welded construction: machine-structural carbon steel (teeth and hub)	38	103	147	110	72.2		38	120	177	110	178.5	38	120	177	160	187.6	38	61.5	54
60	727.99	750	38	110	157	90	85.8		38	118	167	120	91.8		38	120	177	110	219.9	38	120	177	160	229.3	38	76.1	60
65	788.60	811	38	118	167	94	101.2		38	118	167	120	105.2												38	89.6	65
70	849.22	871	38	118	167	94	115.7		38	118	167	120	119.7												38	104.0	70
75	909.84	932	38	118	167	94	131.3		38	118	167	120	135.2												38	119.6	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.

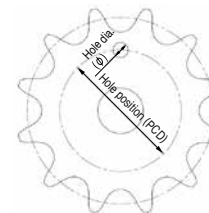
3. Models in shaded areas have hardened teeth.

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. ($\phi 40$) Hole position (PCD)	2B/2C bore dia. ($\phi 35$) Hole position (PCD)
30		258
32		282
34		307
35	322	319
36	344	331
38	359	355
40	383	380
42	407	404
45	443	440
48	480	477
50	504	501
54	553	550
60	625	623
65	686	
70	746	
75	807	

Model numbering example

RS120 -2 B 15T

Size

Number of strands

Number of teeth

Hub type

Hardened teeth model numbering example

RS120 -2 B 20T Q

Size

Number of strands

Number of teeth

Hub type

Hardened teeth