

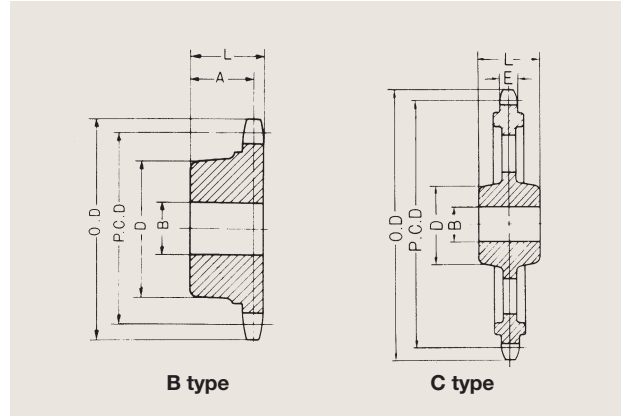
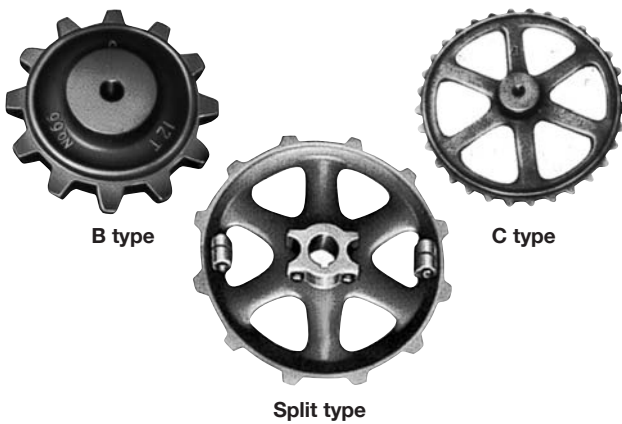
# Cast Chains

## Sprockets for cast chains

The sprockets we manufacture are based on many years of design experience.

Ductile cast iron (FCD600) is the standard material for sprockets for cast chains. If the application requires, we also manufacture sprockets with surface hardened tooth tips for improved wear resistance.

### Sprockets for cast chains table of dimensions



Note: Dimension E is Dimension E from the table of chain (plain links) dimensions.

#### For No. 25 (pitch 22.91 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	52.80	60	B	20	40	48	32	0.4
8	59.87	68	B	23	45	48	32	0.5
9	66.98	74	B	27	50	50	34	0.7
10	74.14	81	B	30	55	50	34	0.8
11	81.32	89	B	30	55	50	34	0.9
12	88.52	96	B	30	55	50	34	1.0
14	102.96	110	B	30	55	50	34	1.3
16	117.43	125	B	36	65	50	34	1.6
18	131.93	139	B	36	65	50	34	1.8
20	146.45	154	B	36	65	50	34	2.0
24	175.52	183	C	40	70	60	-	2.5
30	219.18	127	C	40	70	60	-	3.2

#### For No. 42 (pitch 34.93 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	80.51	91	B	36	65	55	35	1.6
8	91.28	101	B	36	65	55	35	1.8
9	102.13	112	B	36	65	55	35	2.1
10	113.04	123	B	40	70	55	35	2.4
11	123.98	134	B	40	70	55	35	2.9
12	134.96	145	B	50	85	55	35	3.1
14	156.98	167	C	50	85	60	-	3.8
16	179.04	189	C	54	90	65	-	4.4
18	201.15	211	C	54	90	65	-	5.0
20	223.29	233	C	54	90	65	-	5.8
24	267.61	278	C	54	90	65	-	7.0
30	334.17	344	C	54	90	65	-	9.0

#### For No. 32 (pitch 29.31 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	67.55	77	B	27	50	50	32	0.8
8	76.59	86	B	30	55	50	32	1.0
9	85.70	95	B	30	55	50	32	1.2
10	94.85	104	B	36	65	55	37	1.4
11	104.04	113	B	36	65	55	37	1.6
12	113.25	122	B	40	70	55	42	1.8
14	131.72	141	B	40	70	60	42	2.1
16	150.24	159	B	40	70	60	42	2.5
18	168.79	178	C	40	70	60	-	2.8
20	187.36	196	C	40	70	60	-	3.2
24	244.55	234	C	40	70	60	-	4.0
30	280.40	289	C	40	70	60	-	5.1

#### For No. 45, 445, 455 (pitch 41.40 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	95.42	106	B	36	65	55	35	2.8
8	108.18	119	B	36	65	55	35	3.2
9	121.05	132	B	36	65	55	35	3.5
10	133.97	145	B	50	85	55	35	3.9
11	146.95	158	B	50	85	55	35	4.2
12	159.96	171	C	54	90	65	-	4.6
14	186.05	197	C	54	90	65	-	5.4
16	212.21	223	C	54	90	65	-	6.1
18	238.41	249	C	54	90	65	-	6.8
20	264.65	275	C	54	90	65	-	7.6
24	317.18	328	C	54	90	65	-	9.1
30	396.07	408	C	54	90	65	-	11.4

**For No. 51 (pitch 29.34 mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	67.62	81	B	27	50	55	35	1.2
8	76.67	90	B	27	50	55	35	1.3
9	85.78	99	B	33	60	55	35	1.5
10	94.95	108	B	33	60	55	35	1.7
11	104.14	117	B	33	60	55	35	2.0
12	113.36	126	B	40	70	55	35	2.3
14	131.85	145	B	40	70	55	35	3.3
16	150.39	163	C	40	70	65	-	4.1
18	168.96	182	C	40	70	65	-	4.9
20	187.55	201	C	40	70	65	-	6.0
24	224.78	238	C	54	90	65	-	6.5

**For No. 62 (pitch 42.01 mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	109.78	124	C	33	60	60	3.2
9	122.83	137	C	33	60	60	3.9
10	135.95	151	C	40	70	60	4.6
11	149.11	164	C	40	70	60	5.3
12	162.31	177	C	43	75	60	5.8
14	188.79	203	C	54	90	60	6.8
16	215.33	230	C	60	95	75	8.7
18	241.93	257	C	60	95	75	10.0
20	268.54	283	C	66	110	75	10.6
24	321.85	337	C	66	110	75	13.2
28	375.21	390	C	66	110	75	15.6

**For No. 52 (pitch 38.25mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	88.16	101	B	30	55	55	35	2.0
8	99.95	112	B	36	65	55	35	2.4
9	111.84	124	B	36	65	55	35	2.7
10	123.78	136	B	40	70	55	35	3.1
11	135.77	148	C	40	70	55	35	3.5
12	147.79	160	C	40	70	65	-	3.8
14	171.90	184	C	40	70	65	-	4.6
16	196.06	208	C	40	70	65	-	5.3
18	220.27	233	C	54	90	65	-	6.0
20	244.51	257	C	54	90	65	-	6.6
24	293.04	305	C	60	95	75	-	9.0
26	317.33	330	C	60	95	75	-	10.2
30	365.93	378	C	60	95	75	-	12.5

**For No. 57, 67, 477 (pitch 58.62 mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	153.18	168	C	43	75	60	4.6
9	171.39	186	C	50	85	70	5.6
10	189.70	204	C	60	95	75	6.6
11	208.07	223	C	60	95	75	7.5
12	226.49	241	C	60	95	75	8.4
14	263.44	278	C	66	110	75	10.4
16	300.47	315	C	66	110	75	11.5
18	337.58	352	C	66	110	75	12.5
20	374.72	389	C	66	110	75	14.4
24	449.11	464	C	70	115	90	18.4
28	523.56	538	C	70	115	90	23.5

**For No. 55 (pitch 41.43 mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Center position A (mm)	Mass (kg)
					Diameter D (mm)	Width L (mm)		
7	95.49	108	B	36	65	55	35	2.2
8	108.26	121	B	36	65	55	35	2.6
9	121.13	134	B	36	65	55	35	3.0
10	134.07	147	B	54	90	65	45	3.7
11	147.06	160	B	54	90	65	45	4.0
12	160.07	173	C	54	90	65	-	4.4
14	186.19	199	C	54	90	65	-	5.2
16	212.36	225	C	54	90	65	-	6.0
18	238.59	252	C	54	90	65	-	6.4
20	264.84	278	C	54	90	65	-	7.5
24	317.41	330	C	60	95	75	-	9.6
28	370.03	383	C	60	95	75	-	11.8

**For No. 77 (pitch 58.34 mm)**

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	152.45	165	C	43	75	60	4.6
9	170.57	184	C	50	85	70	5.6
10	188.79	202	C	60	95	75	6.6
11	207.08	220	C	60	95	75	7.5
12	225.41	238	C	60	95	75	8.4
14	262.18	275	C	66	110	75	10.4
16	299.04	312	C	66	110	75	11.5
18	335.97	349	C	66	110	75	12.5
20	372.93	386	C	66	110	75	14.4
24	446.96	460	C	70	115	90	18.4
28	521.06	534	C	70	115	90	23.5

# Cast Chains

## Sprockets for cast chains

For No. 78, 88, 488, H78 (pitch 66.27 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	173.17	189	C	60	95	75	7.5
9	193.76	210	C	60	95	75	9.5
10	214.46	230	C	60	95	75	11.0
11	235.23	251	C	63	100	75	13.0
12	256.05	272	C	63	100	75	15.0
14	297.82	314	C	63	100	90	18.5
16	339.69	355	C	70	115	90	21.8
18	381.64	397	C	70	115	90	23.0
20	423.62	439	C	70	115	90	27.0
24	507.71	523	C	70	115	90	34.0
26	549.79	566	C	80	130	90	40.0
30	633.99	650	C	80	130	90	55.0

For No. 124 (pitch 101.6 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
7	234.17	260	C	70	150	100	15.8
8	265.49	291	C	75	150	110	20.8
9	297.06	323	C	75	150	110	24.4
10	328.78	354	C	85	165	115	26.0
11	360.63	386	C	85	165	115	28.5
12	392.55	418	C	100	185	125	34.8
13	424.55	450	C	100	185	125	38.5
14	456.59	482	C	100	185	125	42.1

For No. 103, 4103, H82 (pitch 78.11 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	204.11	226	C	70	115	90	14.0
9	228.38	250	C	70	115	90	15.0
10	252.77	275	C	85	140	90	17.0
11	277.25	299	C	85	140	90	18.5
12	301.79	324	C	85	140	90	20.0
14	351.03	373	C	85	140	90	24.2
16	400.38	422	C	85	140	100	28.6
18	449.82	472	C	85	140	100	32.0
20	499.31	521	C	85	140	100	37.0
24	598.42	620	C	85	140	115	48.0

For No. 4124 (pitch 103.20 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	269.67	301	C	85	140	115	16.0
9	301.74	333	C	85	140	115	22.0
10	333.97	365	C	85	140	115	27.0
12	398.73	430	C	95	150	115	32.0
14	463.78	495	C	95	150	125	44.7
16	528.98	560	C	95	150	125	51.3
18	594.31	625	C	100	165	140	69.0
20	659.70	691	C	100	165	140	80.0
24	790.65	822	C	100	165	140	100.0

For No. 114 (pitch 82.55 mm)

No. of teeth N	Pitch circle diameter P.C.D. (mm)	Outer diameter O.D. (mm)	Type	Shaft hole diameter B (mm)	Boss		Mass (kg)
					Diameter D (mm)	Width L (mm)	
8	215.71	245	C	80	130	100	11.1
9	241.36	271	C	80	130	100	12.6
10	267.14	296	C	80	130	100	15.2
12	318.95	348	C	85	140	100	24.0
14	370.98	400	C	85	140	100	30.0
16	423.13	452	C	85	140	100	33.0
18	475.39	505	C	85	140	115	42.0
24	632.44	662	C	100	165	125	60.0