DID 100 standard roller chain

CJ   CP   RP   OJ   2POJ
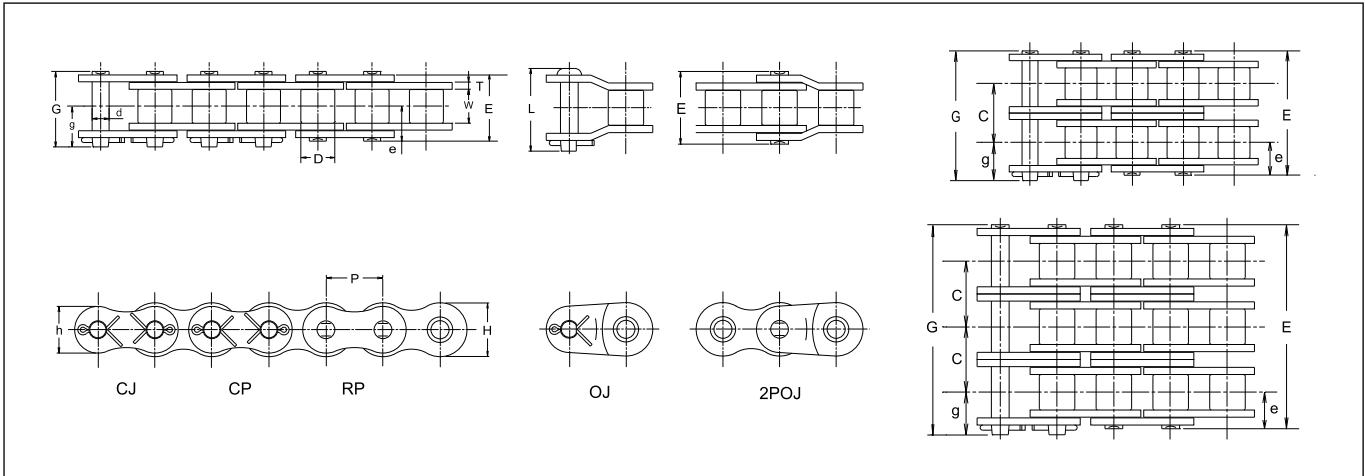
Dimensions

Unit (mm)

| Chain No. | | Pitch P | Roller Link Width W | Roller dia. D | Pin | | | | | | Transverse Pitch C | Plate | | | JIS Min. Tensile Strength | | DID Min. Tensile Strength | | DID Avg. Tensile Strength | | DID Max. Allowable Load | | Approx. Weight (kg/m) |
DID	JIS				d	E	G	L	e	g		T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	
DID100	100					39.5	42.6	45.2							87	8,830	108	10,960	118	11,980	22.5	2,280	3.79
DID100-2	100-2					75.3	78.3	81.1							174	17,660	216	21,930	236	23,960	38.3	3,890	7.53
DID100-3	100-3	31.75	19.05	19.05	9.54	111.2	114.2	115.2	19.8	22.7	35.8	4.0	29.9	26.0	261	26,500	324	32,890	354	35,940	56.3	5,720	11.3
DID100-4	100-4					147.0	150.0	151.0							—	—	432	43,860	472	47,920	74.3	7,540	15.1
DID100-5	100-5					182.9	185.9	186.9							—	—	540	54,820	590	59,900	87.8	8,910	18.9

Note: The values of average tensile strength and Max. allowable tension are for chains.

Max. Kilowatt Ratings DID 100

Unit (kW)

No. of Teeth of Small Sprocket \ Type of Lubrication	Small Sprocket revolutions per minute (rpm) (See P132 for the details of type of lubrication A, B and C.)																											
	10	25	50	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1800	2000	2200	2400	2500	2600	2700		
	A				B								C															
11	1.17	2.67	4.99	9.31	17.4	25.0	32.4	35.8	35.8	29.9	24.4	20.5	17.5	15.2	13.3	11.8	10.6	9.51	8.64	7.24	6.18	5.35	4.70	4.42	4.17	1.08		
12	1.28	2.93	5.48	10.2	19.1	27.5	35.6	39.4	39.4	34.0	27.8	23.3	19.9	17.3	15.2	13.4	12.0	10.8	9.84	8.25	7.04	6.10	5.35	5.04	4.75	—		
13	1.40	3.20	5.97	11.2	20.8	30.0	38.9	42.9	42.9	38.4	31.4	26.3	22.5	19.5	17.1	15.2	13.6	12.2	11.1	9.30	7.94	6.88	6.04	5.68	5.35	—		
14	1.52	3.47	6.47	12.1	22.6	32.5	42.1	46.5	46.5	42.9	35.1	29.4	25.1	21.8	19.1	16.9	15.2	13.7	12.4	10.4	8.87	7.69	6.75	6.35	—	—		
15	1.63	3.73	6.97	13.0	24.3	35.0	45.3	50.1	50.1	47.5	38.9	32.6	27.8	24.1	21.2	18.8	16.8	15.2	13.8	11.5	9.84	8.53	7.48	7.04	—	—		
16	1.75	4.00	7.48	14.0	26.1	37.5	48.6	53.7	53.7	52.4	42.9	35.9	30.7	26.6	23.3	20.7	18.5	16.7	15.2	12.7	10.8	9.40	8.25	7.76	—	—		
17	1.87	4.28	7.98	14.9	27.8	40.1	51.9	57.4	57.4	57.4	47.0	39.4	33.6	29.1	25.6	22.7	20.3	18.3	16.6	13.9	11.9	10.3	9.03	—	—	—		
18	1.99	4.55	8.49	15.9	29.6	42.6	55.2	62.5	62.5	62.5	51.2	42.9	36.6	31.7	27.8	24.7	22.1	19.9	18.1	15.2	12.9	11.2	9.84	—	—	—		
19	2.11	4.82	9.00	16.8	31.4	45.2	58.5	67.8	67.8	67.8	55.5	46.5	39.7	34.4	30.2	26.8	24.0	21.6	19.6	16.4	14.0	12.2	10.7	—	—	—		
20	2.23	5.10	9.52	17.8	33.2	47.8	61.9	73.2	73.2	73.2	59.9	50.2	42.9	37.2	32.6	28.9	25.9	23.3	21.2	17.8	15.2	13.1	—	—	—	—		
21	2.35	5.37	10.0	18.7	34.9	50.3	65.2	78.8	78.8	78.8	64.5	54.0	46.1	40.0	35.1	31.1	27.8	25.1	22.8	19.1	16.3	14.1	—	—	—	—		
22	2.47	5.65	10.6	19.7	36.7	52.9	68.6	83.8	84.5	84.5	69.1	57.9	49.5	42.9	37.6	33.4	29.9	26.9	24.4	20.5	17.5	15.2	—	—	—	—		
23	2.60	5.93	11.1	20.7	38.6	55.5	71.9	88.0	90.3	90.3	73.9	61.9	52.9	45.8	40.2	35.7	31.9	28.8	26.1	21.9	18.7	16.2	—	—	—	—		
24	2.72	6.21	11.6	21.6	40.4	58.1	75.3	92.1	95.6	95.6	78.8	66.0	56.4	48.9	42.9	38.0	34.0	30.7	27.8	23.3	19.9	17.3	—	—	—	—		
25	2.84	6.49	12.1	22.6	42.2	60.8	78.7	96.2	100	100	83.7	70.2	59.9	51.9	45.6	40.4	36.2	32.6	29.6	24.8	21.2	18.3	—	—	—	—		
28	3.21	7.33	13.7	25.6	47.7	68.7	89.0	109	113	113	99.3	83.2	71.0	61.6	54.0	47.9	42.9	38.7	35.1	29.4	25.1	—	—	—	—	—		
30	3.46	7.90	14.8	27.5	51.4	74.0	95.9	117	122	122	110	92.2	78.8	68.3	59.9	53.1	47.5	42.9	38.9	32.6	—	—	—	—	—	—		
32	3.71	8.47	15.8	29.5	55.1	79.3	103	126	130	130	121	102	86.8	75.2	66.0	58.5	52.4	47.2	42.9	35.9	—	—	—	—	—	—		
35	4.09	9.33	17.4	32.5	60.7	87.4	113	138	147	147	139	116	99.3	86.0	75.5	67.0	59.9	54.0	49.0	—	—	—	—	—	—	—		
40	4.72	10.8	20.1	37.6	70.1	101	131	160	170	170	169	142	121	105	92.2	81.8	73.2	66.0	—	—	—	—	—	—	—	—		
45	5.36	12.2	22.9	42.7	79.6	115	149	182	194	194	194	169	145	125	110	97.6	—	—	—	—	—	—	—	—	—	—		

Note: 1. Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P120).

2. Please consult with us when the ratings beyond the dotted line to rightward.