DID 120 standard roller chain
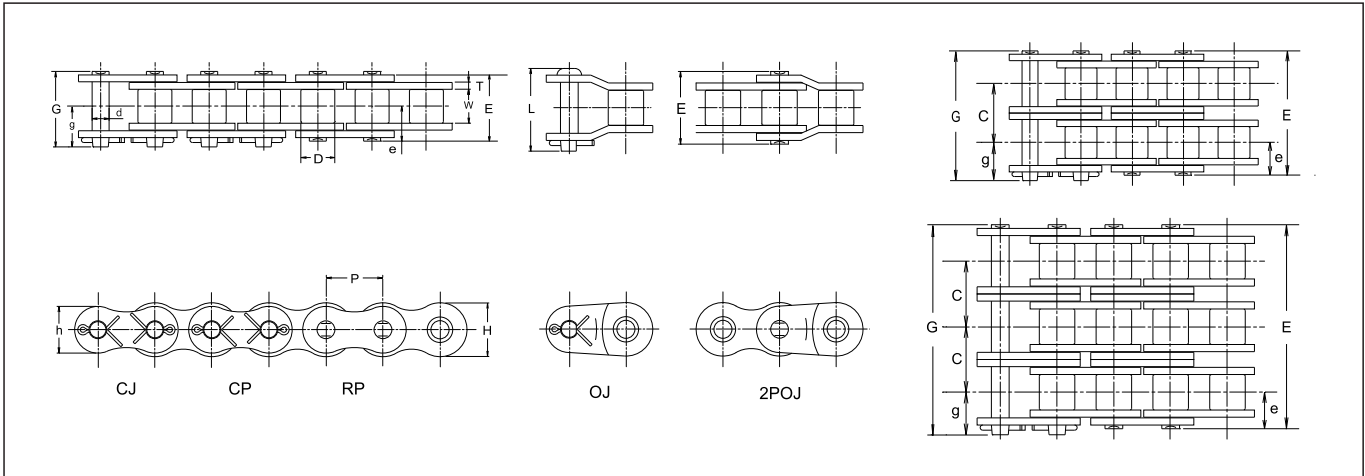
Dimensions

Unit (mm)

| Chain No. | | Pitch | Roller Link Width | Roller dia. | Pin | | | | | | Transverse Pitch | Plate | | | | JIS Min. Tensile Strength | | DID Min. Tensile Strength | | DID Avg. Tensile Strength | | DID Max. Allowable Load | | Approx. Weight |
DID	JIS	P	W	D	d	E	G	L	e	g	C	T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	(kg/m)
DID120	120					49.7	53.0	54.0							125	12,690	148	15,030	166	16,850	30.4	3,090	5.49
DID120-2	120-2					95.2	98.5	99.6							250	25,380	296	30,050	332	33,710	51.7	5,250	11.0
DID120-3	120-3	38.10	25.40	22.23	11.11	140.6	143.9	145.0	24.9	28.2	45.4	4.80	35.9	31.2	375	38,070	444	45,080	498	50,560	76	7,720	16.5
DID120-4	120-4					186.1	189.4	190.5							—	—	592	60,100	664	67,410	100	10,150	22.0
DID120-5	120-5					231.5	234.8	235.9							—	—	740	75,130	830	84,260	119	12,080	27.5

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

Max. Kilowatt Ratings DID 120

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	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
	A			B									C												
11	1.90	4.33	8.09	15.1	21.8	28.2	40.6	51.2	51.2	43.5	34.5	28.3	23.7	20.2	17.5	15.4	13.7	12.2	11.0	9.99	9.12	8.37	7.72	7.15	6.64
12	2.08	4.76	8.89	16.6	23.9	31.0	44.6	56.3	56.3	49.6	39.4	32.2	27.0	23.1	20.0	17.5	15.6	13.9	12.5	11.4	10.4	9.54	8.80	8.15	—
13	2.27	5.19	9.69	18.1	26.1	33.8	48.6	61.3	61.3	55.9	44.4	36.3	30.4	26.0	22.5	19.8	17.5	15.7	14.2	12.8	11.7	10.8	9.92	9.19	—
14	2.46	5.62	10.5	19.6	28.2	36.6	52.7	66.4	66.4	62.5	49.6	40.6	34.0	29.1	25.2	22.1	19.6	17.5	15.8	14.4	13.1	12.0	11.1	10.3	—
15	2.65	6.06	11.3	21.1	30.4	39.4	56.7	71.6	71.6	69.3	55.0	45.0	37.7	32.2	27.9	24.5	21.7	19.5	17.5	15.9	14.5	13.3	12.3	—	—
16	2.84	6.50	12.1	22.6	32.6	42.2	60.8	76.7	76.7	76.4	60.6	49.6	41.6	35.5	30.8	27.0	23.9	21.4	19.3	17.5	16.0	14.7	13.6	—	—
17	3.04	6.94	13.0	24.2	34.8	45.1	65.0	83.7	83.7	83.6	66.4	54.3	45.5	38.9	33.7	29.6	26.2	23.5	21.2	19.2	17.5	16.1	14.8	—	—
18	3.23	7.38	13.8	25.7	37.0	48.0	69.1	89.5	91.2	91.1	72.3	59.2	49.6	42.4	36.7	32.2	28.6	25.6	23.1	20.9	19.1	17.5	16.2	—	—
19	3.43	7.82	14.6	27.3	39.3	50.9	73.3	94.9	98.9	98.8	78.4	64.2	53.8	45.9	39.8	34.9	31.0	27.7	25.0	22.7	20.7	19.0	—	—	—
20	3.62	8.27	15.4	28.8	41.5	53.8	77.4	100	107	107	84.7	69.3	58.1	49.6	43.0	37.7	33.5	29.9	27.0	24.5	22.4	20.5	—	—	—
21	3.82	8.72	16.3	30.4	43.7	56.7	81.6	106	115	115	91.1	74.6	62.5	53.4	46.3	40.6	36.0	32.2	29.1	26.4	24.1	22.1	—	—	—
22	4.01	9.16	17.1	31.9	46.0	59.6	85.8	111	123	123	97.7	80.0	67.0	57.2	49.6	43.5	38.6	34.5	31.2	28.3	25.8	23.7	—	—	—
23	4.21	9.62	18.0	33.5	48.3	62.5	90.0	117	132	132	104	85.5	71.7	61.2	53.0	46.5	41.3	36.9	33.3	30.2	27.6	—	—	—	—
24	4.41	10.1	18.8	35.1	50.5	65.5	94.3	122	140	140	111	91.1	76.4	65.2	56.5	49.6	44.0	39.4	35.5	32.2	29.4	—	—	—	—
25	4.61	10.5	19.6	36.7	52.8	68.4	98.5	128	146	146	118	96.9	81.2	69.3	60.1	52.7	46.8	41.9	37.7	34.3	31.3	—	—	—	—
28	5.21	11.9	22.2	41.4	59.7	77.3	111	144	165	165	140	115	96.2	82.2	71.2	62.5	55.4	49.6	44.7	40.6	—	—	—	—	—
30	5.61	12.8	23.9	44.6	64.3	83.3	120	155	178	178	156	127	107	91.1	79.0	69.3	61.5	55.0	49.6	—	—	—	—	—	—
32	6.02	13.7	25.6	47.9	68.9	89.3	129	167	191	191	171	140	118	100	87.0	76.4	67.7	60.6	—	—	—	—	—	—	—
35	6.63	15.1	28.3	52.7	75.9	98.4	142	184	211	211	196	160	135	115	99.5	87.4	77.5	—	—	—	—	—	—	—	—
40	7.66	17.5	32.6	60.9	87.7	114	164	212	246	246	240	196	164	140	122	—	—	—	—	—	—	—	—	—	—
45	8.70	19.9	37.1	69.2	99.6	129	186	241	286	286	286	234	196	167	—	—	—	—	—	—	—	—	—	—	—

Note: 1. Values in the table above are for simplex chains only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P120).
2. Consult us when the ratings beyond the dotted line to rightward.