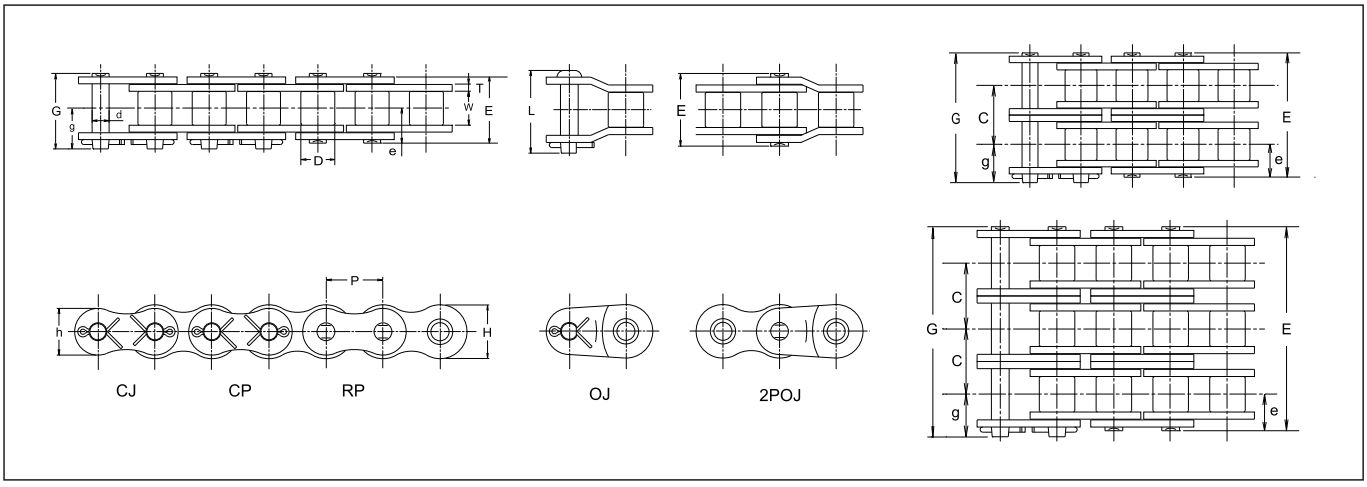
DID 180 standard roller chain



Dimensions

Unit (mm)

Chain No.		Pitch	Roller Link Width	Roller dia.	Pin						Transvers e Pitch	Plate			JIS Min. Tensile Strength		DID Min. Tensile Strength		DID Avg. Tensile Strength		DID Max. Allowable Load		Approx. Weight (kg/m)
DID	JIS	P	W	D	d	E	G	L	e	g	C	T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	
DID180	180					71.5	77.3	79.3							281	28,530	333	33,810	362	36,750	61.7	6,260	12.7
DID180-2	180-2					137.4	143.2	145.2							562	57,060	666	67,610	724	73,500	105	10,660	25.0
DID180-3	180-3	57.15	35.72	35.71	17.46	203.3	209.1	211.1	35.8	41.6	65.8	7.10	53.8	46.6	843	85,580	999	101,420	1,086	110,250	154	15,630	37.3
DID180-4	180-4					269.1	274.9	276.9							—	—	1,332	135,230	1,448	147,010	204	20,710	49.6
DID180-5	180-5					334.9	340.7	342.7							—	—	1,665	169,040	1,810	183,760	241	24,470	61.9

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

Max. Kilowatt Ratings DID 180

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	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
	A		B							C														
13	6.93	15.8	29.5	55.1	79.3	103	126	142	142	142	119	102	88.2	77.4	68.6	61.4	55.4	50.3	45.9	42.1	38.8	36.0	33.4	15.0
14	7.51	17.1	32.0	59.7	85.9	111	136	159	159	159	133	114	98.5	86.5	76.7	68.6	61.9	56.2	51.3	47.1	43.4	40.2	37.3	—
15	8.09	18.5	34.4	64.3	92.6	120	147	173	176	176	148	126	109	95.9	85.0	76.1	68.6	62.3	56.9	52.2	48.1	44.6	41.4	—
16	8.67	19.8	36.9	68.9	99.3	129	157	185	191	191	163	139	120	106	93.7	83.8	75.6	68.6	62.6	57.5	53.0	49.1	38.3	—
17	9.26	21.1	39.4	73.6	106	137	168	198	201	201	178	152	132	116	103	91.8	82.8	75.1	68.6	63.0	58.1	53.8	9.66	—
18	9.85	22.5	41.9	78.3	113	146	179	210	216	216	194	166	144	126	112	100	90.2	81.9	74.8	68.6	63.3	58.6	—	—
19	10.4	23.8	44.5	83.0	120	155	189	223	229	229	210	180	156	137	121	108	97.8	88.8	81.1	74.4	68.6	63.5	—	—
20	11.0	25.2	47.0	87.7	126	164	200	236	243	243	227	194	168	148	131	117	106	95.9	87.6	80.4	74.1	38.4	—	—
21	11.6	26.5	49.5	92.4	133	173	211	248	256	256	245	209	181	159	141	126	114	103	94.2	86.5	79.7	—	—	—
22	12.2	27.9	52.1	97.2	140	181	222	261	269	269	262	224	194	170	151	135	122	111	101	92.7	85.5	—	—	—
24	13.4	30.7	57.2	107	154	199	244	287	299	299	299	255	221	194	172	154	139	126	115	—	—	—	—	—
26	14.7	33.4	62.4	116	168	217	266	313	339	339	337	288	249	219	194	174	—	—	—	—	—	—	—	—
30	17.1	39.0	72.8	136	196	254	310	365	402	402	402	357	309	271	241	—	—	—	—	—	—	—	—	—
35	20.2	46.1	86.0	160	231	300	366	431	478	478	478	449	389	—	—	—	—	—	—	—	—	—	—	—
40	23.3	53.2	99.4	185	267	346	423	498	559	559	559	549	—	—	—	—	—	—	—	—	—	—	—	—
45	26.5	60.5	113	211	303	393	480	566	635	635	635	—	—	—	—	—	—	—	—	—	—	—	—	—

Note: 1. Values in the above table are for simplex chain 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.