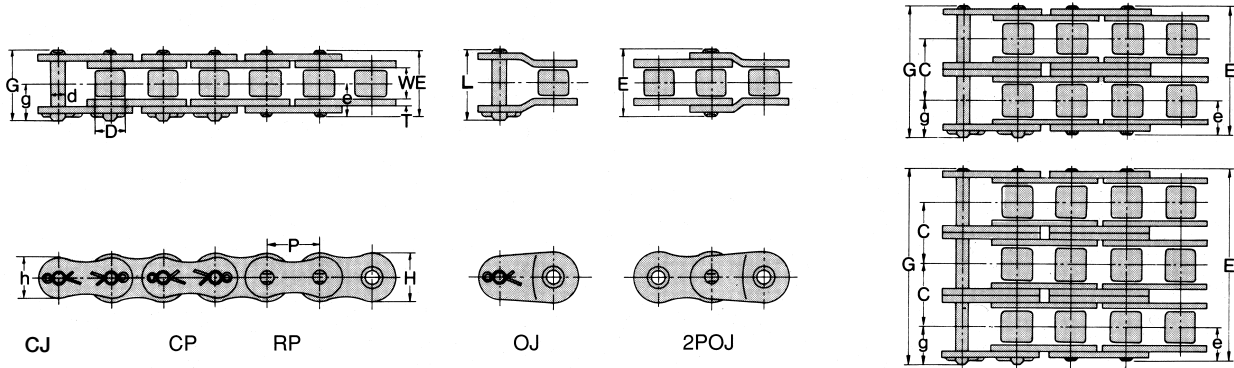


DID 180 standard roller chain



Dimensions

Unit (mm)

Chain No.	Pitch	Roller Link Width	Roller dia.	Pin						Transverse Pitch	Plate				JIS		DID		DID		Approx. Weight (kg/m)		
				d	E	G	L	e	g		C	T	H	h	Min. Tensile Strength	Min. Tensile Strength	Avg. Tensile Strength	Max. Allowable Load					
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							308.2	31,427	333.4	34,000	362	37,000	61.7	6,300	12.7
DID180-2	180-2					137.4	143.2	145.2							616.4	62,854	666.8	68,000	725	74,000	105	10,710	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	924.6	94,281	1,000	102,000	1,088	111,000	154	15,750	37.3
DID180-4	180-4					269.1	274.9	276.9							1,232.8	125,708	1,333	136,000	1,451	148,000	203	20,790	49.6
DID180-5	180-5					334.9	340.7	342.7							1,541.0	157,135	1,667	170,000	1,814	185,500	240	24,570	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	Small Sprocket revolutions per minute (rpm) (See P132 for the details of type of lubrication A, B and C.)																									
	Type of Lubrication		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																							
11	4.51	10.3	19.2	35.8	51.6	66.9	81.7	96.3	111	111	92.7	79.2	68.6	60.2	53.4	47.8	43.1	39.1	35.7	32.8	30.2	28.0	26.0	24.3		
12	4.96	11.3	21.1	39.4	56.7	73.5	89.8	106	122	126	106	90.2	78.2	68.6	60.9	54.5	49.1	44.6	40.7	37.4	34.4	31.9	29.6	27.6		
13	5.40	12.3	23.0	42.9	61.8	80.1	97.9	115	133	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	5.85	13.4	24.9	46.5	67.0	86.8	106	125	144	159	133	114	98.5	86.5	76.7	68.6	61.9	56.2	51.3	47.1	43.4	40.2	37.4			
15	6.31	14.4	26.8	50.1	72.2	93.5	114	135	155	174	148	126	109	95.9	85.0	76.1	68.6	62.3	56.9	52.2	48.1	44.6	41.4			
16	6.76	15.4	28.8	53.7	77.4	100	123	144	166	187	163	139	120	106	93.7	83.8	75.6	68.6	62.7	57.5	53.0	49.1	38.3			
17	7.22	16.5	30.7	57.3	82.6	107	131	154	177	200	178	152	132	116	103	91.8	82.8	75.2	68.6	63.0	58.1	53.8	9.67			
18	7.68	17.5	32.7	61.0	87.9	114	139	164	188	212	194	166	144	126	112	100	90.2	81.8	74.8	68.6	63.3	58.6				
19	8.14	18.6	34.7	64.7	93.1	121	147	174	200	225	210	180	156	137	121	108	97.8	88.8	81.1	74.4	68.6	63.5				
20	8.60	19.6	36.6	68.3	98.4	128	156	184	211	238	227	194	168	148	131	117	106	95.9	87.6	80.4	74.1	38.4				
21	9.07	20.7	38.6	72.0	104	134	164	194	222	251	245	209	181	159	141	126	114	103	94.2	86.5	79.7					
22	9.54	21.8	40.6	75.8	109	141	173	204	234	264	262	224	194	170	151	135	122	111	101	92.7	85.5					
23	10.0	22.8	42.6	79.5	114	148	181	214	245	277	280	239	207	182	161	144	130	118	108	99.1						
24	10.5	23.9	44.6	83.2	120	155	190	224	257	290	299	255	221	194	172	154	139	126	115							
25	11.0	25.0	46.6	87.0	125	162	198	234	269	303	318	271	235	206	183	164	148	134								
28	12.4	28.2	52.7	98.3	142	183	224	264	304	342	377	321	279	245	217	194										
30	13.3	30.4	56.8	106	153	198	242	285	327	369	410	357	309	271	241											
32	14.3	32.6	60.8	114	164	212	259	305	351	395	440	393	340	299	265											
35	15.8	35.9	67.0	125	180	233	285	336	386	436	484	449	389													
40	18.2	41.5	77.4	144	208	270	330	388	446	503	559	549														
45	20.7	47.1	87.9	164	236	306	374	441	507	571	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.