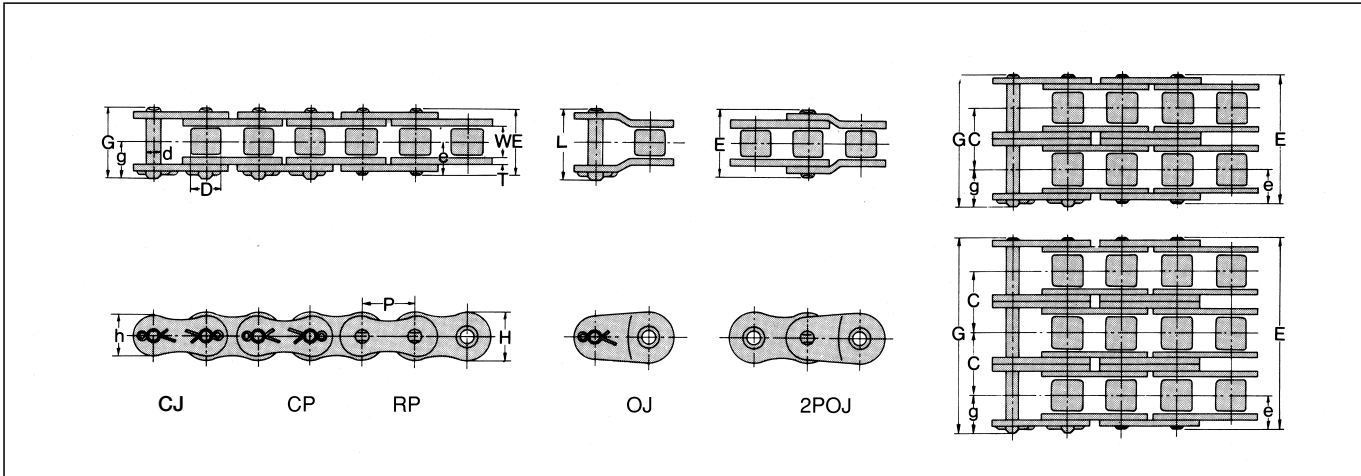


DID 140 standard roller chain



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			
DID140	140					53.6	58.4	59.6							185.9	18,956	193.1	19,700	215	22,000	40.2	4,100	7.11
DID140-2	140-2					102.6	107.4	108.6							371.8	37,912	386.3	39,400	431	44,000	68.3	6,970	14.1
DID140-3	140-3	44.45	25.40	25.40	12.71	151.5	156.3	157.5	26.8	31.7	48.9	5.60	41.9	36.3	557.7	56,868	579.5	59,100	647	66,000	100	10,250	21.1
DID140-4	140-4					200.5	205.3	206.5							743.6	75,824	772.7	78,800	862	88,000	132	13,530	28.1
DID140-5	140-5					249.4	254.2	255.4							929.5	94,780	965.9	98,500	1,070	110,000	156	15,990	34.9

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

Max. Kilowatt Ratings DID 140

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.)																								
	A			B										C											
Type of Lubrication	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1650
11	2.34	5.34	9.97	18.6	26.8	34.7	42.5	50.0	57.5	64.8	72.1	64.7	56.1	49.3	39.1	32.0	26.8	22.9	19.8	17.4	15.4	13.8	12.5	11.3	10.8
12	2.57	5.87	11.0	20.4	29.5	38.2	46.6	55.0	63.1	71.2	79.2	73.8	63.9	56.1	44.5	36.5	30.6	26.1	22.6	19.8	17.6	15.7	14.2	12.9	12.3
13	2.81	6.40	12.0	22.3	32.1	41.6	50.9	59.9	68.8	77.6	86.3	83.2	72.1	63.3	50.2	41.1	34.4	29.4	25.5	22.4	19.8	17.8	16.0	14.5	
14	3.04	6.93	12.9	24.2	34.8	45.1	55.1	64.9	74.6	84.1	93.5	93.0	80.6	70.7	56.1	45.9	38.5	32.9	28.5	25.0	22.2	19.8	17.9	16.2	
15	3.28	7.47	13.9	26.0	37.5	48.6	59.3	69.9	80.3	90.6	101	103	89.4	78.4	62.2	50.9	42.7	36.5	31.6	27.7	24.6	22.0	19.8	5.76	
16	3.51	8.01	15.0	27.9	40.2	52.1	63.6	75.0	86.1	97.1	108	114	98.4	86.4	68.6	56.1	47.0	40.2	34.8	30.6	27.1	24.2	21.9		
17	3.75	8.55	16.0	29.8	42.9	55.6	67.9	80.1	92.0	104	115	124	108	94.6	75.1	61.5	51.5	44.0	38.1	33.5	29.7	26.6	23.9		
18	3.99	9.10	17.0	31.7	45.6	59.1	72.3	85.2	97.8	110	123	135	117	103	81.8	67.0	56.1	47.9	41.5	36.5	32.3	28.9	26.1		
19	4.23	9.64	18.0	33.6	48.4	62.7	76.6	90.3	104	117	130	143	127	112	88.7	72.6	60.9	52.0	45.0	40.0	35.1	31.4	28.3		
20	4.47	10.2	19.0	35.5	51.1	66.2	81.0	95.4	110	124	137	151	138	121	95.8	78.4	65.7	56.0	48.6	43.0	37.9	33.9	5.69		
21	4.71	10.7	20.1	37.4	53.9	69.8	85.4	101	116	130	145	159	148	130	103	84.4	70.7	60.4	52.3	45.9	40.7	36.5			
22	4.95	11.3	21.1	39.3	56.7	73.4	89.8	106	121	137	152	167	159	139	111	90.5	75.8	64.7	56.1	49.3	43.7	39.1			
23	5.20	11.9	22.1	41.3	59.5	77.0	94.2	111	127	144	160	176	170	149	118	96.7	81.1	69.2	60.0	52.7	46.7	41.8			
24	5.44	12.4	23.2	43.2	62.3	80.7	98.6	116	133	151	167	184	181	159	126	103	86.4	73.8	63.9	56.1	49.8	44.2			
25	5.69	13.0	24.2	45.2	65.1	84.3	103	121	139	157	175	192	192	169	134	110	91.9	78.4	68.0	59.7	52.9	47.5			
28	6.43	14.7	27.4	51.1	73.5	95.3	116	137	158	178	198	217	228	200	159	130	109	93.0	80.6	70.7					
30	6.92	15.8	29.5	55.0	79.2	103	125	148	170	192	213	234	253	222	176	144	121	103	89.4						
32	7.42	16.9	31.6	59.0	85.0	110	135	159	182	205	228	251	273	244	194	159	133	114	98.0						
35	8.18	18.7	34.8	65.0	93.6	121	148	175	201	226	252	277	301	280	222	182	152	130							
40	9.45	21.6	40.2	75.0	108	140	171	202	232	261	291	319	348	342	271	222									
45	10.73	24.5	45.7	85.2	123	159	194	229	263	297	330	363	395	408	323										

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.