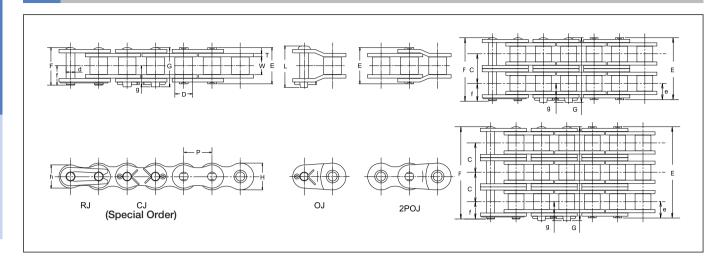
DID 50 standard roller chain



Dimensions

Chain No.		Pitch	Roller Link	Roller	Pin							Transver se Pitch		Plate)	_	IS ensile	DID Min. Tensile		DID Avg. Tensile		DID Max. Allowable		Approx.	
DID JIS	P	Width W	dia. D									С		н		Strength		Strength		Strength		Load		Weight	
				d	E	F	G	L	е	Ť	g		T		h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	(kg/m)	
DID50	50					20.3	21.9	22.1	23.2								21.8	2,210	26.5	2,690	30.8	3,130	6.86	700	1.06
DID50-2	50-2					38.5	40.1	40.3	41.3								43.6	4,430	53	5,380	61.6	6,250	11.7	1,190	2.04
DID50-3	50-3	15.875	9.53	10.16	5.09	56.7	58.3	58.5	59.5	10.2	11.6	12.1	18.1	2.00	15.0	13.0	65.4	6,640	79.5	8,070	92.4	9,380	17.2	1,750	3.06
DID50-4	50-4					74.8	76.4	76.6	76.6								_	_	106	10,760	123	12,490	22.6	2,290	4.06
DID50-5	50-5					93.0	94.5	94.7	94.7								-	-	132	13,400	154	15,630	26.8	2,720	5.08

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

Max. Kilowatt Ratings DID 50

Unit (kW)

· ·														nit (kW)					
No. of Teeth of Small			Sm	all Spr	ocket r	evoluti	ons pe	r minu	te (rpm) (See	P132 for	the deta	ails of ty	pe of lub	orication	A, B and	d C.)		
No. of Teeth of	50	100	300	500	900	1200	1500	1800	2100	2400	2700	3000	3300	3500	4000	4500	5000	5400	5800
Small Sprocket		Α		В									С						
11	0.76	1.42	3.82	6.05	7.88	7.64	5.46	4.15	3.30	2.70	2.26	1.93	1.67	1.53	1.25	1.05	0.89	0.80	0.71
12	0.83	1.56	4.19	6.64	8.71	8.70	6.22	4.73	3.76	3.07	2.57	2.20	1.90	1.74	1.43	1.19	1.02	0.91	0.81
13	0.91	1.70	4.57	7.24	9.82	9.81	7.02	5.34	4.24	3.47	2.90	2.48	2.15	1.97	1.61	1.35	1.15	1.02	0.92
14	0.98	1.84	4.95	7.85	11.0	11.0	7.85	5.97	4.73	3.87	3.25	2.77	2.40	2.20	1.80	1.51	1.28	1.14	_
15	1.06	1.98	5.34	8.45	12.2	12.2	8.70	6.62	5.25	4.30	3.60	3.07	2.66	2.44	1.99	1.67	1.43	1.27	_
16	1.14	2.13	5.72	9.06	13.4	13.4	9.59	7.29	5.78	4.73	3.97	3.39	2.93	2.69	2.20	1.84	1.57	1.40	_
17	1.21	2.27	6.11	9.68	14.7	14.7	10.5	7.99	6.34	5.19	4.34	3.71	3.21	2.94	2.41	2.02	1.72	1.53	_
18	1.29	2.41	6.50	10.3	15.8	15.8	11.4	8.70	6.90	5.65	4.73	4.04	3.50	3.21	2.62	2.20	1.88	_	_
19	1.37	2.56	6.89	10.9	16.8	16.8	12.4	9.44	7.49	6.13	5.13	4.38	3.80	3.48	2.85	2.38	2.03	_	_
20	1.45	2.71	7.28	11.5	17.7	17.7	13.4	10.2	8.09	6.62	5.55	4.73	4.10	3.76	3.07	2.57	2.20	_	_
21	1.53	2.85	7.68	12.2	18.7	18.7	14.4	11.0	8.70	<i>7</i> .12	5.97	5.09	4.41	4.04	3.31	2.77	2.36	_	_
22	1.61	3.00	8.07	12.8	19.6	19.6	15.5	11.8	9.33	7.64	6.40	5.46	4.73	4.33	3.55	2.97	2.54	_	_
23	1.68	3.15	8.47	13.4	20.6	20.6	16.5	12.6	9.97	8.16	6.84	5.84	5.06	4.63	3.79	3.18	_	_	_
24	1.76	3.30	8.87	14.1	21.6	21.6	17.6	13.4	10.6	8.70	7.29	6.22	5.39	4.94	4.04	3.39	_	_	_
25	1.84	3.44	9.27	14.7	22.5	22.5	18.7	14.3	11.3	9.25	7.75	6.62	5.74	5.25	4.30	3.60	_	_	_
28	2.08	3.89	10.5	16.6	26.8	26.8	22.2	16.9	13.4	11.0	9.19	7.85	6.80	6.22	5.09	_	_	_	_
30	2.25	4.20	11.3	17.9	29.1	29.1	24.6	18.7	14.9	12.2	10.2	8.70	7.54	6.90	5.65	_	_	_	_
32	2.41	4.50	12.1	19.2	31.4	31.4	27.1	20.6	16.4	13.4	11.2	9.59	8.31	7.61	6.22	_	_	_	-
35	2.65	4.96	13.3	21.1	34.4	34.4	31.0	23.6	18.7	15.3	12.8	11.0	9.50	8.70	7.12	_	_	_	_
40	3.07	5.73	15.4	24.4	40.4	40.4	37.9	28.8	22.9	18.7	15.7	13.4	11.6	10.6	_	_	_	_	_
45	3.48	6.50	17.5	27.7	46.0	46.0	45.2	34.4	27.3	22.4	18.7	16.0	13.9	_	_	_	_	_	_

Note: 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).