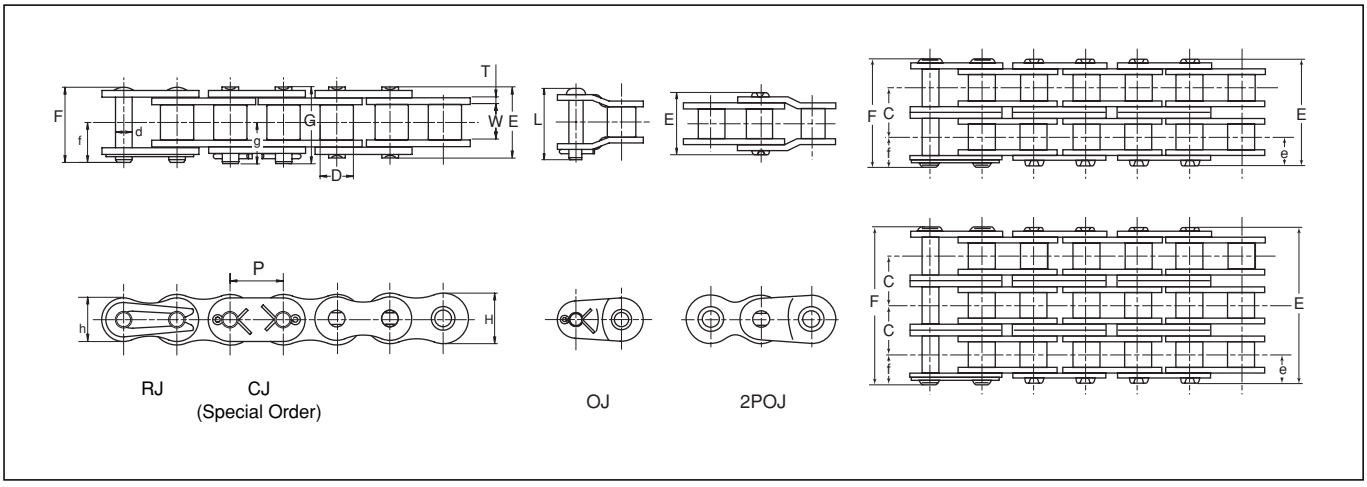
DID 60 standard roller chain



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 (kg/m)
DID	JIS	P	W	D	d	E	F	G	L	e	f	g	C	T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	
DID60	60					25.4	26.9	27.9	29.8								34.2	3,487	35.30	3,600	44.1	4,500	9.31	950	1.44
DID60-2	60-2					48.3	49.8	50.9	52.5								68.4	6,974	70.60	7,200	88.2	9,000	15.7	1,610	3.03
DID60-3	60-3	19.05	12.70	11.91	5.96	71.2	72.7	73.7	75.3	12.7	14.3	15.1	22.8	2.40	18.1	15.6	102.6	10,461	105.9	10,800	132	13,500	23.2	2,370	4.51
DID60-4	60-4					94.0	95.5	96.5	96.5								136.8	13,948	141.2	14,400	176	18,000	30.6	3,130	6.03
DID60-5	60-5					116.8	118.8	119.3	119.3								171.0	17,435	176.5	18,000	220	22,500	36.2	3,700	7.53

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

Max. Kilowatt Ratings DID 60

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.)																			
	50	100	200	500	700	900	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3500	3800	4000	4600
	A			B										C						
11	0.75	1.40	2.62	5.98	8.09	10.2	8.84	7.02	5.74	4.81	4.11	3.56	3.13	2.77	2.48	2.24	1.77	1.57	1.45	
12	0.83	1.54	2.88	6.57	8.89	11.2	10.1	7.99	6.54	5.48	4.68	4.06	3.56	3.16	2.83	2.55	2.02	1.79	1.66	
13	0.90	1.68	3.14	7.16	9.69	12.2	11.4	9.01	7.38	6.18	5.28	4.58	4.02	3.56	3.19	2.87	2.28	2.02	1.87	
14	0.98	1.82	3.40	7.76	10.5	13.2	12.7	10.1	8.24	6.91	5.90	5.11	4.49	3.98	3.56	3.21	2.55	2.25	2.09	
15	1.05	1.96	3.66	8.36	11.3	14.2	14.1	11.2	9.14	7.66	6.54	5.67	4.98	4.41	3.95	3.56	2.83	2.50	2.31	
16	1.13	2.11	3.93	8.96	12.1	15.2	15.5	12.3	10.1	8.44	7.21	6.25	5.48	4.86	4.35	3.92	3.11	2.75	2.55	
17	1.20	2.25	4.19	9.57	13.0	16.2	17.0	13.5	11.0	9.25	7.89	6.84	6.01	5.33	4.77	4.30	3.41	3.01	2.79	
18	1.28	2.39	4.46	10.2	13.8	17.3	18.5	14.7	12.0	10.1	8.60	7.45	6.54	5.80	5.19	4.68	3.72	3.28	3.04	
19	1.36	2.53	4.73	10.8	14.6	18.3	20.1	15.9	13.0	10.9	9.33	8.08	7.10	6.29	5.63	5.08	4.03	3.56	3.30	
20	1.44	2.68	5.00	11.4	15.4	19.4	21.7	17.2	14.1	11.8	10.1	8.73	7.66	6.80	6.08	5.48	4.35	3.85		
21	1.51	2.82	5.27	12.0	16.3	20.4	23.3	18.5	15.2	12.7	10.8	9.39	8.24	7.31	6.54	5.90	4.68	4.14		
22	1.59	2.97	5.54	12.6	17.1	21.5	25.0	19.9	16.2	13.6	11.6	10.1	8.84	7.84	7.02	6.33	5.02	4.44		
23	1.67	3.12	5.81	13.3	18.0	22.5	26.7	21.2	17.4	14.6	12.4	10.8	9.45	8.38	7.50	6.76	5.37			
24	1.75	3.26	6.09	13.9	18.8	23.6	28.5	22.6	18.5	15.5	13.2	11.5	10.1	8.93	7.99	7.21	5.72			
25	1.83	3.41	6.36	14.5	19.6	24.6	30.3	24.0	19.7	16.5	14.1	12.2	10.7	9.50	8.50	7.66	6.08			
28	2.06	3.85	7.19	16.4	22.2	27.8	35.9	28.5	23.3	19.5	16.7	14.5	12.7	11.3	10.1	9.08	7.21			
30	2.22	4.15	7.75	17.7	23.9	30.0	38.9	31.6	25.9	21.7	18.5	16.0	14.1	12.5	11.2	10.1				
32	2.38	4.45	8.30	18.9	25.6	32.2	41.7	34.8	28.5	23.9	20.4	17.7	15.5	13.8	12.3	11.1				
35	2.63	4.90	9.15	20.9	28.3	35.4	45.9	39.8	32.6	27.3	23.3	20.2	17.7	15.7	14.1	12.7				
40	3.03	5.66	10.6	24.1	32.6	40.9	53.0	48.7	39.8	33.4	28.5	24.7	21.7	19.2	17.2					
45	3.45	6.43	12.0	27.4	37.1	46.5	60.2	58.1	47.5	39.8	34.0	29.5	25.9	22.9						

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).