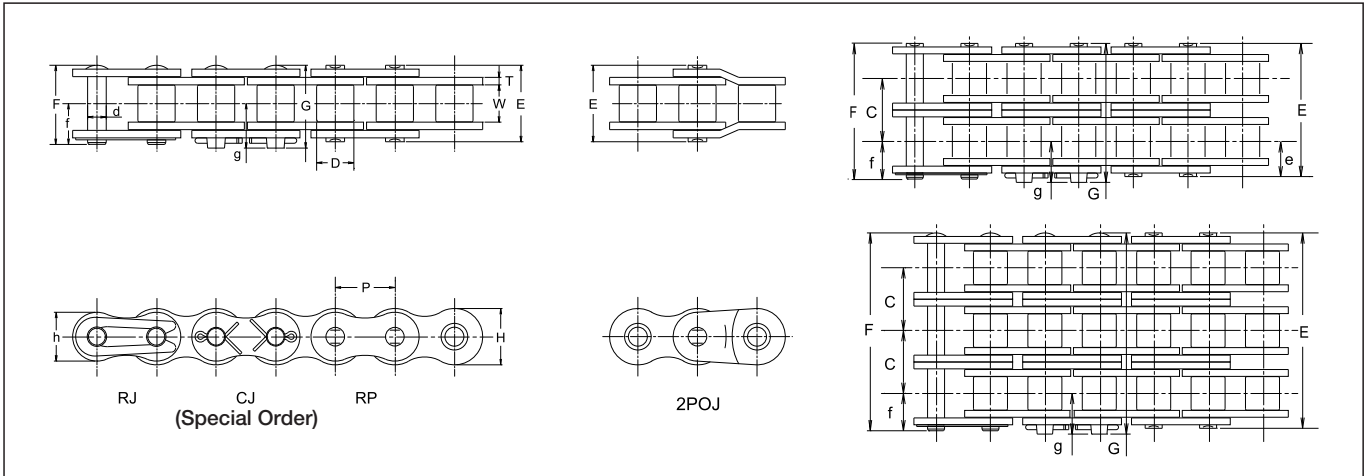


DID 35 standard roller chain



Dimensions

Unit (mm)

Chain No.	Pitch	Roller Link Width W	Bush Dia. D	Pin							Transvers e Pitch C	Plate				JIS Min. Tensile Strength		DID Min. Tensile Strength		DID Avg. Tensile Strength		DID Max. Allowable Load		Approx. Weight (kg/m)
				d	E	F	G	e	f	g		T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf		
DID35	35				12.0	13.1	14.1									7.9	800	8.83	900	11.2	1,140	2.15	220	0.32
DID35-2	35-2				22.1	23.2	23.5									15.8	1,600	17.7	1,800	22.4	2,270	3.66	370	0.69
DID35-3	35-3	9.525	4.78	5.08	3.59	32.2	33.4	33.7	6.0	7.3	7.4	10.1	1.25	9.0	7.75	23.7	2,410	26.5	2,690	33.6	3,410	5.38	550	1.05
DID35-4	35-4					42.3	43.5	43.8								—	—	35.3	3,580	44.8	4,550	7.1	720	1.41
DID35-5	35-5					52.5	53.7	54.0								—	—	44.2	4,490	56	5,690	8.39	850	1.77

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

Max. Kilowatt Ratings DID 35

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.)																																																																																																								
	100					500					900					1200					1500					1800					2500					3000					3500					4000					4500					5000					5500					6000					6500					7000					7500					8000					8500					9000					10000				
	A					B					C					A					B					C					A					B					C					A					B					C					A					B					C					A					B					C					A					B					C				
11	0.21	0.92	1.56	2.02	2.47	2.91	2.88	2.19	1.73	1.42	1.19	1.01	0.88	0.77	0.68	0.61	0.55	0.50	0.45	0.42	0.36																																																																																				
12	0.23	1.01	1.71	2.22	2.71	3.20	3.28	2.49	1.98	1.62	1.35	1.16	1.00	0.88	0.78	0.70	0.63	0.57	0.52	0.48	0.41																																																																																				
13	0.25	1.10	1.87	2.42	2.96	3.49	3.70	2.81	2.23	1.82	1.53	1.30	1.13	0.99	0.88	0.78	0.71	0.64	0.59	0.54	0.46																																																																																				
14	0.28	1.19	2.02	2.62	3.21	3.78	4.13	3.14	2.49	2.04	1.71	1.46	1.26	1.11	0.98	0.88	0.79	0.72	0.65	0.60	0.51																																																																																				
15	0.30	1.28	2.18	2.83	3.46	4.07	4.58	3.48	2.76	2.26	1.89	1.62	1.40	1.23	1.09	0.97	0.88	0.80	0.73	0.67	0.57																																																																																				
16	0.32	1.38	2.34	3.03	3.71	4.37	5.05	3.84	3.05	2.49	2.09	1.78	1.54	1.35	1.20	1.07	0.97	0.88	0.80	0.73	0.63																																																																																				
17	0.34	1.47	2.50	3.24	3.96	4.66	5.53	4.20	3.34	2.73	2.29	1.95	1.69	1.48	1.32	1.18	1.06	0.96	0.88	0.81	0.69																																																																																				
18	0.36	1.56	2.66	3.44	4.21	4.96	6.02	4.58	3.63	2.97	2.49	2.13	1.84	1.62	1.43	1.28	1.16	1.05	0.96	0.88	0.75																																																																																				
19	0.39	1.66	2.82	3.65	4.46	5.26	6.53	4.97	3.94	3.23	2.70	2.31	2.00	1.75	1.55	1.39	1.25	1.14	1.04	0.95	0.81																																																																																				
20	0.41	1.75	2.98	3.86	4.72	5.56	7.06	5.37	4.26	3.48	2.92	2.49	2.16	1.89	1.68	1.50	1.35	1.23	1.12	1.03	0.88																																																																																				
21	0.43	1.85	3.14	4.07	4.97	5.86	7.59	5.78	4.58	3.75	3.14	2.68	2.32	2.04	1.81	1.62	1.46	1.32	1.21	1.11	0.94																																																																																				
22	0.45	1.94	3.30	4.28	5.23	6.16	8.14	6.19	4.91	4.02	3.37	2.88	2.49	2.19	1.94	1.73	1.56	1.42	1.29	1.19	1.01																																																																																				
23	0.47	2.04	3.46	4.49	5.49	6.47	8.69	6.62	5.25	4.30	3.60	3.07	2.66	2.34	2.07	1.85	1.67	1.52	1.38	1.27	1.08																																																																																				
24	0.50	2.13	3.63	4.70	5.74	6.77	9.10	7.06	5.60	4.58	3.84	3.28	2.84	2.49	2.21	1.98	1.78	1.62	1.48	1.35	1.16																																																																																				
25	0.52	2.23	3.79	4.91	6.00	7.07	9.51	7.50	5.95	4.87	4.08	3.48	3.02	2.65	2.35	2.10	1.89	1.72	1.57	1.44	1.23																																																																																				
28	0.59	2.52	4.28	5.55	6.79	8.00	10.8	8.89	7.06	5.78	4.84	4.13	3.58	3.14	2.79	2.49	2.25	2.04	1.86	1.71	1.46																																																																																				
30	0.63	2.72	4.61	5.98	7.31	8.62	11.6	9.86	7.83	6.41	5.37	4.58	3.97	3.48	3.09	2.76	2.49	2.26	2.06	1.89	1.62																																																																																				
32	0.68	2.91	4.95	6.41	7.84	9.24	12.4	10.9	8.62	7.06	5.91	5.05	4.37	3.84	3.40	3.05	2.75	2.49	2.27	2.09	—																																																																																				
35	0.75	3.21	5.45	7.06	8.64	10.2	13.7	12.4	9.86	8.07	6.76	5.78	5.01	4.39	3.89	3.48	3.14	2.85	2.60	2.39	—																																																																																				
40	0.87	3.71	6.30	8.16	9.98	11.8	15.8	15.2	12.1	9.86	8.27	7.06	6.12	5.37	4.76	4.26	3.84	3.48	—	—	—																																																																																				
45	0.99	4.21	7.15	9.27	11.3	13.4	18.0	18.1	14.4	11.8	9.86	8.42	7.30	6.41	5.68	5.08	4.58	—	—	—	—																																																																																				

Note: Values in the above table are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P.120).