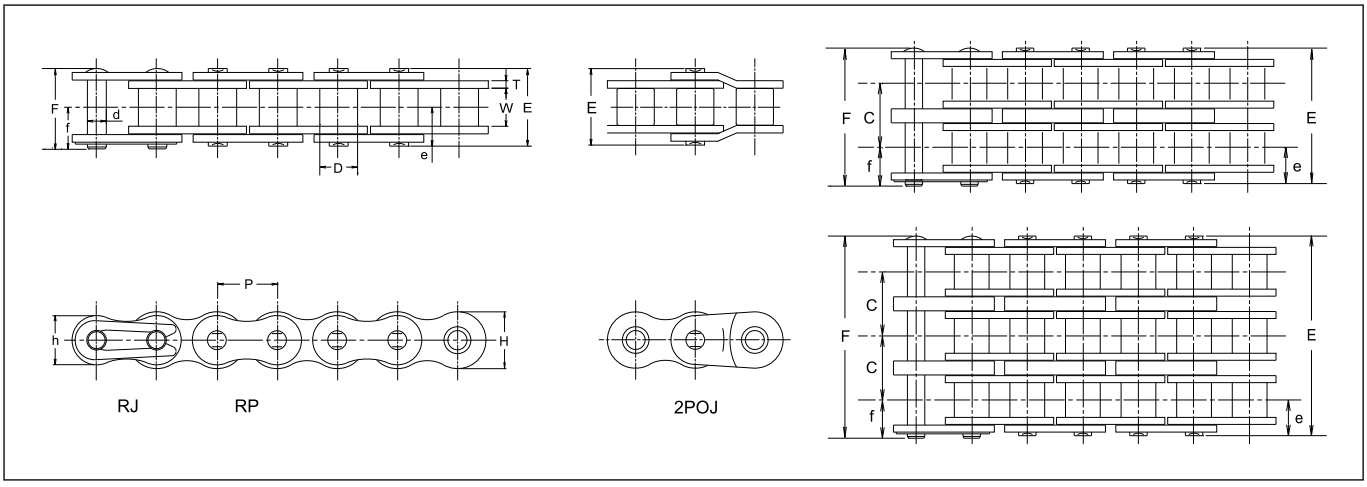
DID 25 standard roller chain



Dimensions

Unit (mm)

Chain No.		Pitch	Roller Link Width	Bush 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	e	f	C	T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf	
DID25	25	6.35	3.18	3.30	2.31	7.8	8.5	3.9	4.7	6.4	0.72	5.9	5.2	3.5	360	3.63	370	4.41	450	0.69	70	0.13
DID25-2	25-2					14.4	15.0							7	710	7.26	740	8.82	900	1.17	120	0.26
DID25-3	25-3					20.8	21.4							10.5	1,070	10.9	1,110	13.2	1,340	1.73	180	0.39
DID25-4	25-4					27.2	27.8							–	–	14.5	1,470	17.6	1,790	2.28	230	0.52
DID25-5	25-5					33.7	34.3							–	–	18.2	1,850	20	2,030	2.69	270	0.65

Note: Values of average tensile strength and max. allowable load are for chain body.

Max. Kilowatt Ratings

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.)																				
	100	500	900	1200	1800	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	10000	
	A					B															C
11	0.04	0.18	0.31	0.40	0.58	0.77	0.91	1.05	1.03	0.86	0.74	0.64	0.56	0.50	0.44	0.40	0.36	0.33	0.30	0.26	
12	0.05	0.20	0.34	0.44	0.63	0.85	1.00	1.15	1.17	0.98	0.84	0.73	0.64	0.57	0.51	0.46	0.41	0.38	0.35	0.30	
13	0.05	0.22	0.37	0.48	0.69	0.93	1.09	1.25	1.32	1.11	0.95	0.82	0.72	0.64	0.57	0.51	0.47	0.43	0.39	0.33	
14	0.06	0.24	0.40	0.52	0.75	1.00	1.18	1.36	1.48	1.24	1.06	0.92	0.80	0.71	0.64	0.58	0.52	0.48	0.44	0.37	
15	0.06	0.25	0.43	0.56	0.80	1.08	1.27	1.46	1.64	1.37	1.17	1.02	0.89	0.79	0.71	0.64	0.58	0.53	0.49	0.41	
16	0.06	0.27	0.46	0.60	0.86	1.16	1.37	1.57	1.77	1.51	1.29	1.12	0.98	0.87	0.78	0.70	0.64	0.58	0.53	0.46	
17	0.07	0.29	0.49	0.64	0.92	1.24	1.46	1.67	1.89	1.66	1.41	1.23	1.08	0.95	0.85	0.77	0.70	0.64	0.59	0.50	
18	0.07	0.31	0.52	0.68	0.98	1.32	1.55	1.78	2.01	1.81	1.54	1.34	1.17	1.04	0.93	0.84	0.76	0.70	0.64	0.54	
19	0.08	0.33	0.56	0.72	1.04	1.40	1.64	1.89	2.13	1.96	1.67	1.45	1.27	1.13	1.01	0.91	0.83	0.75	0.69	0.59	
20	0.08	0.35	0.59	0.76	1.10	1.47	1.74	2.00	2.25	2.11	1.81	1.56	1.37	1.22	1.09	0.98	0.89	0.81	0.75	0.64	
21	0.09	0.37	0.62	0.80	1.16	1.55	1.83	2.10	2.37	2.27	1.94	1.68	1.48	1.31	1.17	1.06	0.96	0.88	0.80	0.69	
22	0.09	0.38	0.65	0.84	1.22	1.63	1.93	2.21	2.50	2.44	2.08	1.81	1.58	1.40	1.26	1.13	1.03	0.94	0.86	0.74	
23	0.09	0.40	0.68	0.89	1.28	1.71	2.02	2.32	2.62	2.61	2.23	1.93	1.69	1.50	1.34	1.21	1.10	1.00	0.92	0.79	
24	0.10	0.42	0.72	0.93	1.34	1.80	2.12	2.43	2.74	2.78	2.37	2.06	1.81	1.60	1.43	1.29	1.17	1.07	0.98	0.84	
25	0.10	0.44	0.75	0.97	1.40	1.88	2.21	2.54	2.86	2.95	2.52	2.19	1.92	1.70	1.52	1.37	1.25	1.14	1.04	0.89	
28	0.12	0.50	0.85	1.10	1.58	2.12	2.50	2.87	3.24	3.50	2.99	2.59	2.27	2.02	1.81	1.63	1.48	1.35	1.24	1.06	
30	0.13	0.54	0.91	1.18	1.70	2.28	2.69	3.09	3.49	3.88	3.32	2.87	2.52	2.24	2.00	1.81	1.64	1.50	1.37	1.17	
32	0.14	0.58	0.98	1.27	1.82	2.45	2.89	3.32	3.74	4.16	3.65	3.17	2.78	2.46	2.21	1.99	1.81	1.65	1.51	1.29	
35	0.15	0.63	1.08	1.39	2.01	2.70	3.18	3.65	4.12	4.58	4.18	3.62	3.18	2.82	2.52	2.27	2.06	1.89	1.73	1.48	
40	0.17	0.73	1.24	1.61	2.32	3.12	3.67	4.22	4.76	5.29	5.11	4.43	3.88	3.44	3.08	2.78	2.52	2.30	2.11	1.81	
45	0.20	0.83	1.41	1.83	2.63	3.54	4.17	4.79	5.40	6.01	6.09	5.28	4.63	4.11	3.68	3.32	3.01	2.75	2.52	2.15	

Note: Values in the table above are for single strand chains only. For multiplex chains, please apply the coefficient of multi-strand. (See "Chain Selection" on P120).