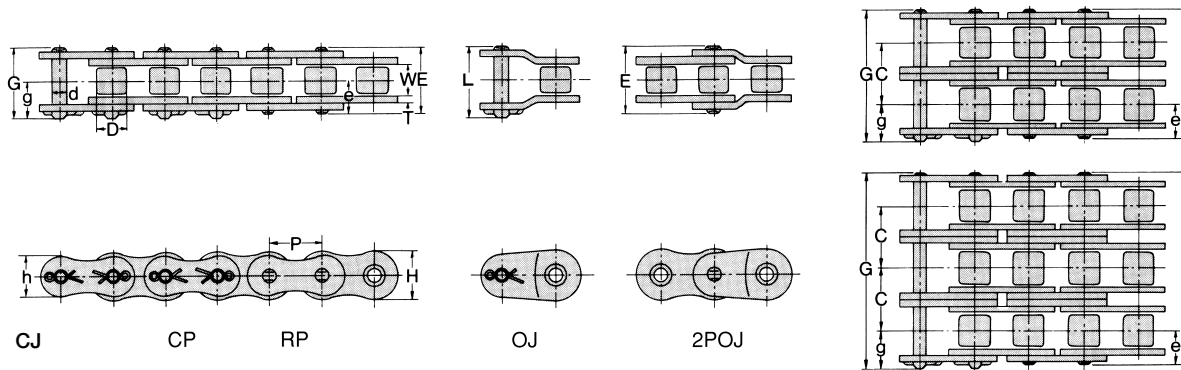


## DID 100 standard roller chain



### 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	kN	kgf	
<b>DID100</b>	100					39.5	42.6	45.2							95.4	9,728	107.0	11,000	118	12,100	22.5	2,300	3.79
<b>DID100-2</b>	100-2					75.4	78.3	81.1							190.8	19,456	215.7	22,000	237	24,200	38.3	3,910	7.53
<b>DID100-3</b>	100-3	31.75	19.05	19.05	9.54	111.2	114.2	115.2	19.8	22.8	35.8	4.0	30.1	26.0	286.2	29,184	323.6	33,000	355	36,300	56.3	5,750	11.3
<b>DID100-4</b>	100-4					147.0	150.0	151.0							381.6	38,912	431.4	44,000	474	48,400	74.4	7,590	15.1
<b>DID100-5</b>	100-5					182.9	185.9	186.9							477.0	48,640	539.3	55,000	593	60,500	87.9	8,970	18.9

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

### Max. Kilowatt Ratings DID 100

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.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	10			25			50			100			200			300			400			500			600			700			800			900			1000			1100			1200			1300			1400			1600			1800			2000			2200			2400			2500			2600			2700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Type of Lubrication	A									B									C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
<b>11</b>	0.90	2.05	3.83	7.14	13.3	19.2	24.9	30.4	35.8	29.9	24.4	20.5	17.5	15.2	13.3	11.8	10.6	8.64	7.24	6.18	5.36	4.70	4.42	4.17	1.09	0.99	2.25	4.20	7.85	14.6	21.1	27.3	33.4	39.4	34.0	27.9	23.3	19.9	17.3	15.2	13.4	12.0	9.85	8.25	7.04	6.11	5.36	5.04	4.75	1.08	2.46	4.58	8.55	16.0	23.0	29.8	36.4	42.9	38.4	31.4	26.3	22.5	19.5	17.1	15.2	13.6	11.1	9.30	7.94	6.89	6.04	5.68	5.36	1.17	2.66	4.97	9.27	17.3	24.9	32.3	39.5	46.5	42.9	35.1	29.4	25.1	21.8	19.1	16.9	15.2	12.4	10.4	8.88	7.69	6.75	6.35	1.26	2.87	5.35	9.98	18.6	26.8	34.8	42.5	50.1	47.6	38.9	32.6	27.9	24.1	21.2	18.8	16.8	13.8	11.5	9.85	8.53	7.49	7.04	1.35	3.07	5.74	10.7	20.0	28.8	37.3	45.6	53.7	52.4	42.9	35.9	30.7	26.6	23.3	20.7	18.5	15.2	12.7	10.9	9.40	8.25	7.76	1.44	3.28	6.12	11.4	21.3	30.7	39.8	48.7	57.3	57.4	47.0	39.4	33.6	29.1	25.6	22.7	20.3	16.6	13.9	11.9	10.3	9.04	1.53	3.49	6.51	12.2	22.7	32.7	42.3	51.8	61.0	62.5	51.2	42.9	36.6	31.7	27.9	24.7	22.1	18.1	15.2	12.9	11.2	9.85	1.62	3.70	6.91	12.9	24.1	34.6	44.9	54.9	64.6	67.8	55.5	46.5	39.7	34.4	30.2	26.8	24.0	19.6	16.4	14.0	12.2	10.7	1.71	3.91	7.30	13.6	25.4	36.6	47.4	58.0	68.3	73.2	60.0	50.2	42.9	37.2	32.6	28.9	25.9	21.2	17.8	15.2	13.1	1.81	4.12	7.70	14.4	26.8	38.6	50.0	61.1	72.0	78.8	64.5	54.0	46.1	40.0	35.1	31.1	27.9	22.8	19.1	16.3	14.1	1.90	4.34	8.09	15.1	28.2	40.6	52.6	64.3	75.7	84.5	69.1	57.9	49.5	42.9	37.6	33.4	29.9	24.4	20.5	17.5	15.2	1.99	4.55	8.49	15.8	29.6	42.6	55.2	67.4	79.5	90.3	73.9	61.9	52.9	45.8	40.2	35.7	31.9	26.1	21.9	18.7	16.2	2.09	4.76	8.89	16.6	31.0	44.6	57.8	70.6	83.2	95.6	78.8	66.0	56.4	48.9	42.9	38.0	34.0	27.9	23.3	19.9	17.3	2.18	4.98	9.29	17.3	32.4	46.6	60.4	73.8	87.0	100	83.7	70.2	59.9	51.9	45.6	40.4	36.2	29.6	24.8	21.2	18.3	2.27	5.19	9.69	18.0	33.8	48.6	63.2	77.6	91.2	105	86.9	73.6	63.3	55.3	49.0	43.8	39.6	33.0	28.4	24.8	21.8	2.36	5.40	10.09	18.7	35.2	50.6	65.6	80.2	94.4	109	89.1	76.0	65.5	57.6	51.4	46.2	42.0	35.4	30.8	27.4	24.4	2.45	5.61	10.49	19.4	36.6	52.6	68.0	83.6	97.8	113	91.3	78.2	67.7	60.0	53.8	48.6	44.4	37.4	32.8	29.0	25.6	2.54	5.82	10.89	20.1	38.0	54.6	70.4	86.0	101	117	93.5	80.4	70.0	62.2	55.0	50.0	45.8	41.6	38.0	34.2	2.63	6.03	11.29	20.8	39.4	56.6	72.8	88.4	105	121	95.7	82.6	72.2	64.4	57.4	52.4	47.4	43.4	39.4	35.6	2.72	6.24	11.69	21.5	40.8	58.6	75.2	90.8	109	125	97.9	84.8	74.4	66.6	59.6	54.6	49.6	45.6	41.6	37.6	2.81	6.45	12.09	22.2	42.2	60.6	77.6	93.2	113	129	100.1	87.0	76.4	68.8	61.8	56.8	51.8	47.8	43.8	39.8	2.90	6.66	12.49	22.9	43.6	62.6	80.0	95.6	117	133	102.3	89.2	78.4	71.0	64.0	59.0	54.0	49.0	45.0	41.0	2.99	6.87	12.89	23.6	45.0	64.6	82.4	98.0	121	137	104.5	91.4	80.4	73.2	66.2	61.2	56.2	52.2	48.2	44.2	3.08	7.08	13.29	24.3	46.4	66.6	84.8	100.4	125	141	106.7	93.6	82.4	75.4	68.4	63.4	58.4	54.4	50.4	46.4	3.17	7.29	13.69	25.0	47.8	68.6	87.2	102.8	129	145	108.9	95.8	84.4	77.6	70.6	65.6	60.6	56.6	52.6	48.6	3.26	7.50	14.09	25.7	49.2	70.6	89.6	105.2	133	149	111.1	98.0	86.4	79.8	72.8	67.8	62.8	58.8	54.8	50.8	3.35	7.71	14.49	26.4	50.6	72.6	92.0	107.6	137	153	113.3	100.2	88.4	82.0	75.0	70.0	65.0	61.0	57.0	53.0	3.44	7.92	14.89	27.1	52.0	74.6	94.4	110.0	141	157	115.5	102.4	90.4	84.2	77.2	72.2	67.2	63.2	59.2	55.2	3.53	8.13	15.29	27.8	53.4	76.6	96.8	112.4	145	161	117.7	104.6	92.4	86.4	79.4	74.4	69.4	65.4	61.4	57.4	3.62	8.34	15.69	28.5	54.8	78.6	99.2	114.8	149	165	119.9	106.8	94.4	88.6	81.6	76.6	71.6	67.6	63.6	59.6	3.71	8.55	16.09	29.2	56.2	80.6	101.6	117.2	153	169	122.1	109.0	96.4	90.8	83.8	78.8	73.8	69.8	65.8	61.8	3.80	8.76	16.49	29.9	57.6	82.6	104.0	119.6	157	173	124.3	111.2	98.4	93.0	86.0	81.0	76.0	72.0	68.0	64.0	3.89	8.97	16.89	30.6	59.0	84.6	106.4	122.0	161	177	126.5	113.4	100.4	95.2	88.2	83.2	78.2	74.2	70.2	66.2	3.98	9.18	17.29	31.3	60.4	86.6	108.8	124.4	165	181	128.7	115.6	102.4	97.4	90.4	85.4	80.4	76.4	72.4	68.4	4.07	9.39	17.69	32.0	61.8	88.6	111.2	126.8	169	185	130.9	117.8	104.4	99.6	92.6	87.6	82.6	78.6	74.6	70.6	4.16	9.60	18.09	32.7	63.2	90.6	113.6	129.2	173	189	133.1	120.0	106.4	101.8	94.8	89.8	84.8	80.8	76.8	72.8	4.25	9.81	18.49	33.4	64.6	92.6	116.0	131.6	177	193	135.3	122.2	108.4	104.0	97.0	92.0	87.0	83.0	79.0	75.0	4.34	10.02	18.89	34.1	66.0	94.6	118.4	134.0	181	197	137.5	124.4	110.4	106.2	99.2	94.2	89.2	85.2	81.2	77.2	4.43	10.23	19.29	34.8	67.4	96.6	120.8	136.4	185	201	139.7	126.6	112.4	108.4	101.4	96.4	91.4	87.4	83.4	79.4	4.52	10.44	19.69	35.5	68.8	98.6	123.2	138.8	189	205	141.9	128.8	114.4	110.6	103.6	98.6	93.6	89.6	85.6	81.6	4.61	10.65	20.09	36.2	70.2	100.6	125.6	141.2	193	209	144.1	131.0	116.4	112.8	105.8	100.8	95.8	91.8	87.8	83.8	4.70	10.86	20.49	36.9	71.6	102.6	128.0	143.6	197	213	146.3	133.2	118.4	115.0	108.0	103.0	98.0	94.0	90.0	86.0	4.79	11.07	20.89	37.6	73.0	104.6	130.4	146.0	201	217	148.5	135.4	120.4	117.2	110.2	105.2	100.2	96.2	92.2	88.2	4.88	11.28	21.29	38.3	74.4	106.6	132.8	148.4	205	221	150.7	137.6	122.4	119.4	112.4	107.4	102.4	98.4	94.4	90.4	4.97	11.49	21.69	39.0	75.8	108.6	135.2	150.8	209	225	152.9	139.8	124.4	121.6	114.6	109.6	104.6	100.6	96.6	92.6	5.06	11.70	22.09	39.7	77.2	110.6	137.6	153.2	213	229	155.1	142.0	126.4	123.8	116.8	111.8	106.8	102.8	98.8	94.8	5.15	11.91	22.49	40.4	78.6	112.6	140.0	155.6	217	233	157.3	144.2	128.4	126.0	119.0	114.0	109.0	105.0	101.0	97.0	5.24	12.12	22.89	41.1	80.0	114.6	142.4	158.0	221	237	159.5	146.4	130.4	128.2	121.2	116.2	111.2	107.2	103.2	99.2	5.33	12.33	23.29	41.8	81.4	116.6	144.8	160.4	225	241	161.7	148.6	132.4	130.4	123.4	118.4	113.4	109.4	105.4	101.4	5.42	12.54	23.69	42.5	82.8	118.6	147.2	162.8	229	245	163.9	150.8	134.4	132.6	125.6	120.6	115.6	111.6	107.6	103.6	5.51	12.75	24.09	43.2	84.2	120.6	149.6	165.2	233	249	166.1	153.0	136.4	134.8	127.8	122