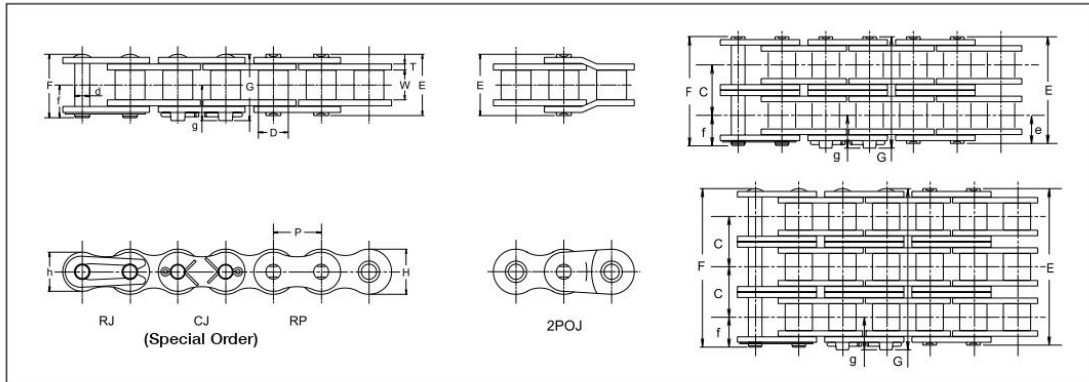


# Roller Chains for Power Transmission **Standard Roller Chain**

## DID 35 standard roller chain

Roller Chains for Power Transmission

Standard Roller Chain



### Dimensions

Unit (mm)

Chain No.	DID	JIS	Pitch P	Roller Link Width W	Bush Dia. D	Pin						Transverse 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	
<b>DID35</b>	35					12.0	13.1	14.1								7.9	800	8.83	900	11.2	1,140	2.15	220	0.32	
<b>DID35-2</b>	35.2					22.1	23.2	23.5								15.8	1,600	177	1,800	22.4	2,270	3.66	370	0.69	
<b>DID35-3</b>	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	265	2,690	33.6	3,410	5.38	550	1.05	
<b>DID35-4</b>	35.4					42.3	43.5	43.8								—	—	35.3	3,580	44.8	4,550	7.1	720	1.41	
<b>DID35-5</b>	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.)																				
	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	—	—	—	—

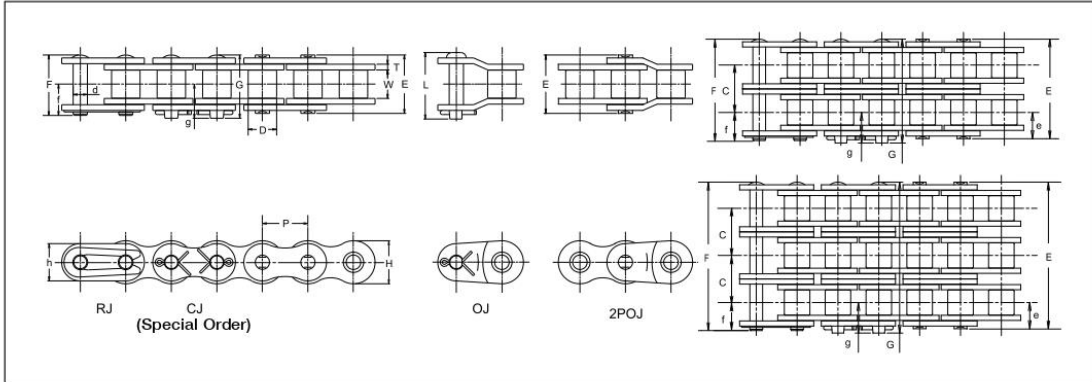
Note: Values in the above table are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P.122).

# Roller Chains for Power Transmission **Standard Roller Chain**

## DID 40 standard roller chain

Roller Chains for Power Transmission

Standard Roller Chain



### Dimensions

Unit (mm)

Chain No.	DID	Pitch P	Roller Link Width W	Roller dia. D	Pin									Transverse Pitch C	Plate				JIS		DID		DID		Approx. Weight (kg/m)	
					d	E	F	G	L	e	f	g	T		H	h	Min. Tensile Strength	Avg. Tensile Strength	Max. Allowable Load	Min. Tensile Strength	Avg. Tensile Strength	Max. Allowable Load				
DID40	40				16.5	17.6	18.1	19.1										13.9	1,410	15.7	1,590	19.1	1,940	3.72	380	0.63
DID40-2	40.2				31.0	32.1	32.6	33.6										27.8	2,820	31.4	3,190	38.2	3,880	6.32	640	1.19
DID40-3	40.3	1270	7.95	7.92	3.97	45.4	46.4	47.0	47.9	8.3	9.5	10.1	14.4	1.50	12.0	10.4	41.7	4,230	47.1	4,780	57.3	5,820	9.3	940	1.78	
DID40-4	40.4				59.9	61.0	61.4	61.4										—	—	62.8	6,380	76.4	7,760	12.3	1,250	2.37
DID40-5	40.5				74.3	75.4	75.8	75.8										—	—	78.5	7,970	95.5	9,700	14.5	1,470	2.96

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

### Max. Kilowatt Ratings DID 40

Unit (kW)

Type of Lubrication No. of Teeth of Small Sprocket	Small sprocket rpm (Refer to P132 for the details of lubrication A, B and C.)																			
	A			B						C										
	50	200	400	600	900	1200	1500	1800	2400	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000
11	0.34	1.21	2.25	3.25	4.68	5.07	4.57	3.47	2.25	1.61	1.28	1.05	0.88	0.75	0.65	0.57	0.50	0.45	0.40	0.37
12	0.38	1.33	2.48	3.57	5.15	5.67	5.21	3.96	2.57	1.84	1.46	1.19	1.00	0.85	0.74	0.65	0.57	0.51	0.46	0.42
13	0.41	1.45	2.70	3.89	5.61	6.18	5.87	4.46	2.90	2.07	1.64	1.34	1.13	0.96	0.83	0.73	0.65	0.58	0.52	0.47
14	0.45	1.57	2.93	4.22	6.08	6.70	6.56	4.99	3.24	2.32	1.84	1.50	1.26	1.07	0.93	0.82	0.72	0.65	0.58	0.53
15	0.48	1.69	3.15	4.55	6.55	7.21	7.21	5.54	3.59	2.57	2.04	1.67	1.40	1.19	1.03	0.91	0.80	0.72	0.65	—
16	0.52	1.81	3.38	4.87	7.02	7.74	7.74	6.10	3.96	2.83	2.25	1.84	1.54	1.31	1.14	1.00	0.88	0.79	0.71	—
17	0.55	1.93	3.61	5.20	7.50	8.26	8.26	6.68	4.34	3.10	2.46	2.01	1.69	1.44	1.25	1.09	0.97	0.87	0.78	—
18	0.59	2.06	3.84	5.54	7.98	8.79	8.79	7.28	4.73	3.38	2.68	2.19	1.84	1.57	1.36	1.19	1.06	0.94	0.85	—
19	0.62	2.18	4.07	5.87	8.46	9.43	9.43	7.89	5.12	3.67	2.91	2.38	1.99	1.70	1.47	1.29	1.15	1.02	0.92	—
20	0.66	2.30	4.31	6.20	8.94	10.2	10.2	8.52	5.54	3.96	3.14	2.57	2.15	1.84	1.59	1.40	1.24	1.11	1.00	—
21	0.69	2.43	4.54	6.54	9.42	11.0	11.0	9.17	5.96	4.26	3.38	2.77	2.32	1.98	1.71	1.50	1.33	1.19	—	—
22	0.73	2.56	4.77	6.88	9.91	11.7	11.7	9.84	6.39	4.57	3.62	2.97	2.48	2.12	1.84	1.61	1.43	1.28	—	—
23	0.77	2.68	5.01	7.22	10.4	12.6	12.6	10.5	6.83	4.88	3.87	3.17	2.66	2.27	1.96	1.72	1.53	1.37	—	—
24	0.80	2.81	5.24	7.55	10.9	13.4	13.4	11.2	7.28	5.21	4.13	3.38	2.83	2.42	2.09	1.84	1.63	1.46	—	—
25	0.84	2.93	5.48	7.90	11.4	14.1	14.1	11.9	7.74	5.54	4.39	3.59	3.01	2.57	2.23	1.95	1.73	—	—	—
28	0.95	3.32	6.19	8.92	12.9	16.0	16.0	14.1	9.17	6.56	5.21	4.26	3.57	3.05	2.64	2.32	2.05	—	—	—
30	1.02	3.57	6.67	9.61	13.9	17.2	17.2	15.7	10.2	7.28	5.77	4.73	3.96	3.38	2.93	2.57	—	—	—	—
32	1.10	3.83	7.16	10.3	14.9	18.4	18.4	17.3	11.2	8.02	6.36	5.21	4.36	3.72	3.23	2.83	—	—	—	—
35	1.21	4.22	7.88	11.4	16.4	20.7	20.7	19.7	12.8	9.17	7.28	5.96	4.99	4.26	3.69	—	—	—	—	—
40	1.40	4.88	9.11	13.1	18.9	24.1	24.1	24.1	15.7	11.2	8.89	7.28	6.10	5.21	—	—	—	—	—	—
45	1.59	5.54	10.3	14.9	21.5	27.4	27.4	27.4	18.7	13.4	10.6	8.69	7.28	—	—	—	—	—	—	—

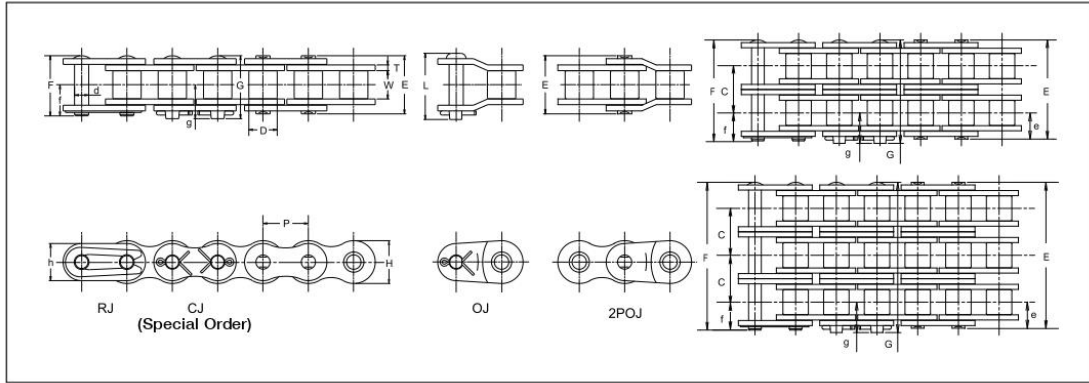
Note: Values in the above table are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).

# Roller Chains for Power Transmission **Standard Roller Chain**

## DID 50 standard roller chain

Roller Chains for Power Transmission

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)
				d	E	F	G	L	e	f	g	C		T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	kgf		
<b>DID50</b>	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
<b>DID50-2</b>	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
<b>DID50-3</b>	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
<b>DID50-4</b>	50-4					74.8	76.4	76.6	76.6									-	-	106	10,760	123	12,490	22.6	2,290	4.06
<b>DID50-5</b>	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)

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.)																		
	Type of Lubrication																		
	50	100	300	500	900	1200	1500	1800	2100	2400	2700	3000	3300	3500	4000	4500	5000	5400	5800
	A			B						C									
<b>11</b>	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
<b>12</b>	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
<b>13</b>	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
<b>14</b>	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	—
<b>15</b>	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	—
<b>16</b>	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	—
<b>17</b>	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	—
<b>18</b>	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	—	—
<b>19</b>	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	—	—
<b>20</b>	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	—	—
<b>21</b>	1.53	2.85	7.68	12.2	18.7	18.7	14.4	11.0	8.70	7.12	5.97	5.09	4.41	4.04	3.31	2.77	2.36	—	—
<b>22</b>	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	—	—
<b>23</b>	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	—	—	—
<b>24</b>	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	—	—	—
<b>25</b>	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	—	—	—
<b>28</b>	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	—	—	—	—
<b>30</b>	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	—	—	—	—
<b>32</b>	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	—	—	—	—
<b>35</b>	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	—	—	—	—
<b>40</b>	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	—	—	—	—	—
<b>45</b>	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	—	—	—	—	—	—

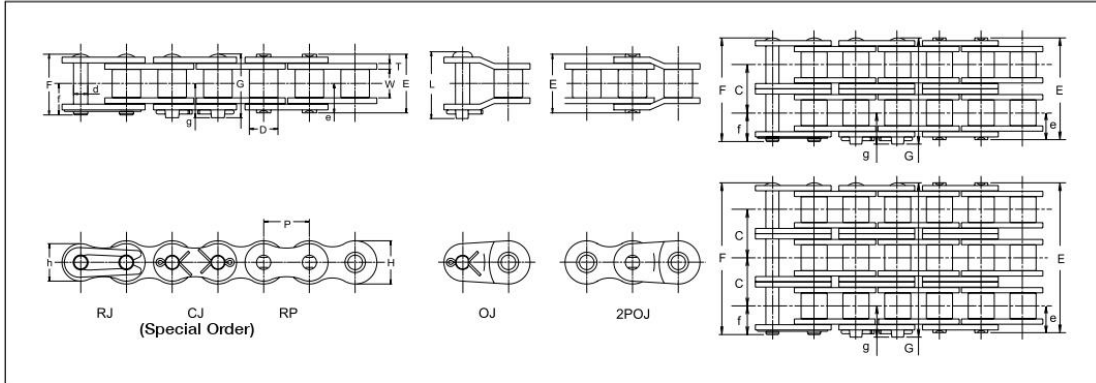
Note: Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).

# Roller Chains for Power Transmission **Standard Roller Chain**

## DID 60 standard roller chain

Roller Chains for Power Transmission

Standard Roller Chain



### Dimensions

Unit (mm)

Chain No.	DID	JIS	Pitch P	Roller Link Width W	Roller dia. D	Pin							Transverse 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	L	e	f		g	T	H	h	kN	kgf	kN	kgf	kN	kgf	kN	
<b>DID60</b>	60					25.4	26.9	27.9	29.8							31.3	3,180	35.3	3,580	44.1	4,480	9.31	950	1.53	
<b>DID60-2</b>	60.2					48.3	49.8	50.9	52.5							62.6	6,360	70.6	7,170	88.2	8,950	15.8	1,600	3.03	
<b>DID60-3</b>	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	93.9	9,530	106	10,760	132	13,400	23.3	2,370	4.51
<b>DID60-4</b>	60.4					94.0	95.5	96.5	96.5								-	-	141	14,310	176	17,870	30.7	3,120	6.03
<b>DID60-5</b>	60.5					116.8	118.8	119.3	119.3								-	-	177	17,970	221	22,440	36.3	3,690	7.53

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

### Max. Kilowatt Ratings DID 60

Unit (kW)

Type of Lubrication 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.)																			
	50					100					200					400				
	A					B					C									
11	1.26	2.36	4.40	10.1	12.7	12.7	8.84	7.01	6.32	5.74	4.81	4.10	3.56	3.12	2.77	2.48	2.23	1.77	1.56	1.45
12	1.39	2.59	4.84	11.0	13.9	13.9	10.1	7.99	7.20	6.54	5.48	4.68	4.05	3.56	3.15	2.82	2.54	2.02	1.78	1.65
13	1.51	2.83	5.28	12.0	15.2	15.2	11.4	9.01	8.12	7.37	6.18	5.27	4.57	4.01	3.56	3.18	2.87	2.28	2.01	1.86
14	1.64	3.06	5.72	13.1	16.7	16.7	12.7	10.1	9.08	8.24	6.90	5.89	5.11	4.48	3.98	3.56	3.21	2.54	2.25	2.08
15	1.77	3.30	6.16	14.1	18.5	18.5	14.1	11.2	10.1	9.14	7.66	6.54	5.67	4.97	4.41	3.94	3.56	2.82	2.49	2.31
16	1.89	3.54	6.60	15.1	20.4	20.4	15.5	12.3	11.1	10.1	8.44	7.20	6.24	5.48	4.86	4.35	3.92	3.11	2.75	2.54
17	2.02	3.78	7.05	16.1	21.8	22.3	17.0	13.5	12.2	11.0	9.24	7.89	6.84	6.00	5.32	4.76	4.29	3.40	3.01	2.79
18	2.15	4.02	7.50	17.1	23.2	23.7	18.5	14.7	13.2	12.0	10.1	8.60	7.45	6.54	5.80	5.19	4.68	3.71	3.28	3.04
19	2.28	4.26	7.95	18.1	24.6	25.1	20.1	15.9	14.4	13.0	10.9	9.32	8.08	7.09	6.29	5.63	5.07	4.02	3.56	3.29
20	2.41	4.50	8.40	19.2	26.0	26.6	21.7	17.2	15.5	14.1	11.8	10.1	8.73	7.66	6.79	6.08	5.48	4.35	3.84	3.56
21	2.54	4.75	8.86	20.2	27.4	28.0	23.3	18.5	16.7	15.1	12.7	10.8	9.39	8.24	7.31	6.54	5.89	4.68	4.13	3.83
22	2.67	4.99	9.32	21.3	28.8	29.5	25.0	19.8	17.9	16.2	13.6	11.6	10.1	8.84	7.84	7.01	6.32	5.01	4.43	4.10
23	2.80	5.24	9.77	22.3	30.2	30.9	26.7	21.2	19.1	17.4	14.5	12.4	10.8	9.45	8.38	7.49	6.76	5.36	4.74	4.39
24	2.94	5.48	10.2	23.4	31.6	32.5	28.5	22.6	20.4	18.5	15.5	13.2	11.5	10.1	8.93	7.99	7.20	5.71	5.05	4.68
25	3.07	5.73	10.7	24.4	33.0	34.5	30.3	24.0	21.7	19.7	16.5	14.1	12.2	10.7	9.49	8.49	7.66	6.08	5.37	4.97
28	3.47	6.48	12.1	27.6	37.3	40.9	35.9	28.5	25.7	23.3	19.5	16.7	14.5	12.7	11.3	10.1	9.08	7.20	6.37	—
30	3.74	6.98	13.0	29.7	40.2	44.9	39.8	31.6	28.5	25.9	21.7	18.5	16.0	14.1	12.5	11.2	10.1	7.99	—	—
32	4.01	7.48	14.0	31.9	43.1	48.1	43.9	34.8	31.4	28.5	23.9	20.4	17.7	15.5	13.8	12.3	11.1	8.80	—	—
35	4.41	8.24	15.4	35.1	47.5	53.0	50.2	39.8	35.9	32.6	27.3	23.3	20.2	17.7	15.7	14.1	12.7	—	—	—
40	5.10	9.52	17.8	40.6	54.9	61.3	61.3	48.6	43.9	39.8	33.4	28.5	24.7	21.7	19.2	17.2	15.5	—	—	—
45	5.79	10.8	20.2	46.1	62.3	69.4	69.4	58.0	52.3	47.5	39.8	34.0	29.5	25.9	22.9	20.5	—	—	—	—

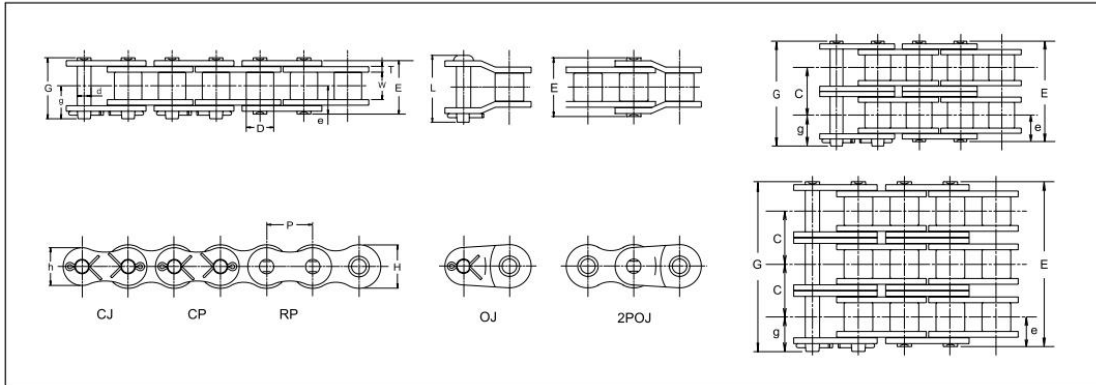
Note: Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).

# Roller Chains for Power Transmission **Standard Roller Chain**

## DID 80 standard roller chain

Roller Chains for Power Transmission

Standard Roller Chain



### Dimensions

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>DID80</b>	80					32.6	35.4	37.1							55.6	5,640	71.6	7,270	78.4	7,960	147	1,490	2.55
<b>DID80-2</b>	80.2					61.9	64.7	66.3							111.2	11,290	143	14,520	157	15,940	25	2,540	5.07
<b>DID80-3</b>	80.3	25.40	15.88	15.88	7.94	91.3	94.0	95.1	16.3	19.00	29.3	3.20	24.0	20.8	166.8	16,930	215	21,830	235	23,860	36.8	3,740	7.58
<b>DID80-4</b>	80.4					120.6	123.3	124.4							—	—	286	29,040	314	31,880	48.5	4,920	10.1
<b>DID80-5</b>	80.5					149.9	152.6	153.7							—	—	358	36,350	392	39,800	57.3	5,820	12.6

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

### Max. Kilowatt Ratings DID 80

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.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		A							B							C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		20	50	100	200	300	400	500	700	900	1000	1200	1400	1500	1600	1800	2000	2200	2400	2600	2700	2800	3000	3200	3400	1800	2000	2200	2400	2600	2700	2800	3000	3200	3400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
<b>11</b>	1.22	2.79	5.21	9.73	14.0	18.2	22.2	22.8	17.1	14.6	11.1	8.83	7.96	7.22	6.05	5.17	4.48	3.93	3.48	3.29	3.12	2.81	2.55	2.33	1.34	3.07	5.73	10.7	15.4	20.0	24.4	25.0	19.5	16.7	12.7	10.1	9.07	8.23	6.90	5.89	5.10	4.48	3.97	3.75	3.55	3.20	2.91	2.65	1.46	3.34	6.25	11.7	16.8	21.8	26.6	27.3	22.0	18.8	14.3	11.3	10.2	9.28	7.78	6.64	5.75	5.05	4.48	4.23	4.01	3.61	3.28	2.99	1.59	3.62	6.77	12.6	18.2	23.6	28.8	29.5	24.6	21.0	16.0	12.7	11.4	10.4	8.69	7.42	6.43	5.64	5.01	4.73	4.48	4.04	3.66	3.35	1.71	3.90	7.29	13.6	19.6	25.4	31.1	32.6	27.3	23.3	17.7	14.1	12.7	11.5	9.64	8.23	7.13	6.26	5.55	5.25	4.97	4.48	4.06	—	1.83	4.19	7.82	14.6	21.0	27.2	33.3	35.9	30.1	25.7	19.5	15.5	14.0	12.7	10.6	9.07	7.86	6.90	6.12	5.78	5.47	4.93	4.48	—	1.96	4.47	8.35	15.6	22.4	29.1	35.5	39.3	32.9	28.1	21.4	17.0	15.3	13.9	11.6	9.93	8.61	7.55	6.70	6.33	5.99	5.40	4.90	—	2.08	4.75	8.88	16.6	23.9	30.9	37.8	42.8	35.9	30.6	23.3	18.5	16.7	15.1	12.7	10.8	9.38	8.23	7.30	6.90	6.53	5.89	5.34	—	2.21	5.04	9.41	17.6	25.3	32.8	40.1	46.0	38.9	33.2	25.3	20.0	18.1	16.4	13.8	11.7	10.2	8.93	7.92	7.48	7.08	6.39	—	—	2.33	5.33	9.95	18.6	26.8	34.7	42.4	48.7	42.0	35.9	27.3	21.7	19.5	17.7	14.9	12.7	11.0	9.64	8.55	8.08	7.65	6.90	—	—	2.46	5.62	10.5	19.6	28.2	36.5	44.7	51.3	45.2	38.6	29.4	23.3	21.0	19.1	16.0	13.6	11.8	10.4	9.20	8.69	8.23	7.42	—	—	2.59	5.91	11.0	20.6	29.7	38.4	47.0	53.9	48.5	41.4	31.5	25.0	22.5	20.4	17.1	14.6	12.7	11.1	9.86	9.32	8.83	7.96	—	—	2.71	6.20	11.6	21.6	31.1	40.3	49.3	56.6	51.8	44.2	33.6	26.7	24.1	21.9	18.3	15.6	13.6	11.9	10.5	9.96	9.44	8.65	—	—	2.84	6.49	12.1	22.6	32.6	42.2	51.6	59.3	55.2	47.1	35.9	28.5	25.7	23.3	19.5	16.7	14.4	12.7	11.2	10.6	10.1	—	—	—	2.97	6.78	12.7	23.6	34.0	44.1	53.9	61.9	58.7	50.1	38.1	30.3	27.3	24.8	20.8	17.7	15.4	13.5	12.0	11.3	10.7	—	—	—	3.36	7.67	14.3	26.7	38.5	49.8	60.9	73.5	69.6	59.4	45.2	35.9	32.3	29.4	24.6	21.0	18.2	16.0	14.2	13.4	—	—	—	—	3.62	8.26	15.4	28.8	41.5	53.7	65.6	79.6	77.2	65.9	50.1	39.8	35.9	32.6	27.3	23.3	20.2	17.7	15.7	6.03	—	—	—	—	3.88	8.86	16.5	30.9	44.4	57.6	70.4	85.0	85.0	72.6	55.2	43.8	39.5	35.9	30.1	25.7	22.2	19.5	—	—	—	—	—	—	4.27	9.76	18.2	34.0	49.0	63.4	77.5	95.0	95.0	83.0	63.2	50.1	45.2	41.0	34.4	29.4	25.4	—	—	—	—	—	—	—	4.94	11.3	21.0	39.3	56.6	73.3	89.6	110	110	101	77.2	61.2	55.2	50.1	42	35.9	—	—	—	—	—	—	—	—	5.61	12.8	23.9	44.6	64.2	83.2	102	126	126	121	92.1	73.1	65.9	59.8	50.1	—	—	—	—	—	—	—	—	—

Note: 1. Values in the table above are for simplex chain only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P122).  
 2. Consult us when the ratings beyond the dotted line to rightward.