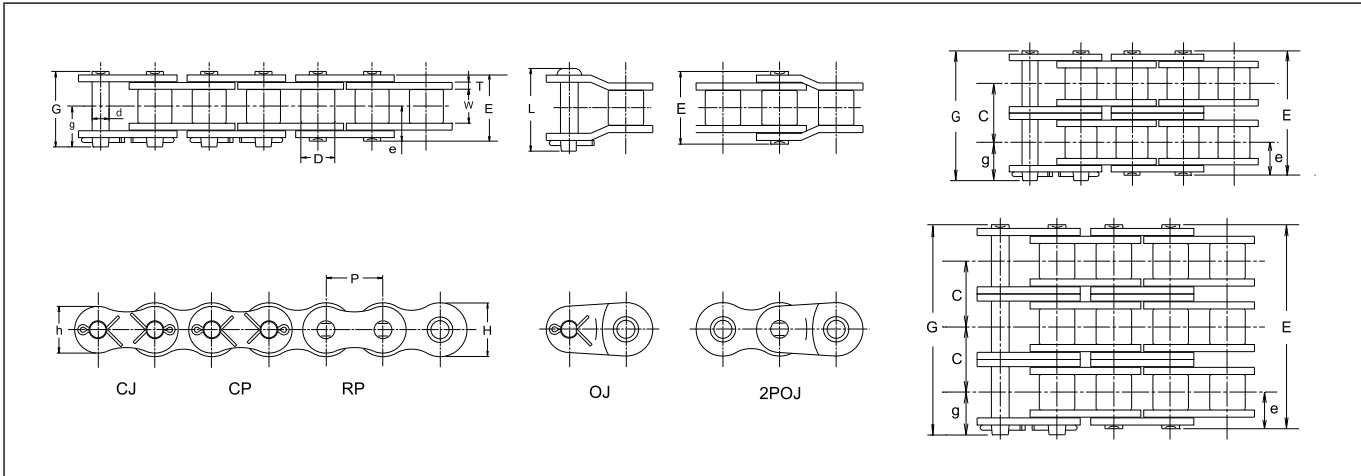


## DID 160 standard roller chain

Roller Chains for Power Transmission

Standard Roller Chain



### Dimensions

Unit (mm)

Chain No.	Pitch	Roller Link Width W	Roller dia. D	Pin						Transverse Pitch C	Plate			JIS		DID		DID		Approx. Weight (kg/m)			
				d	E	G	L	e	g		T	H	h	Min. Tensile Strength	Min. Tensile Strength	Avg. Tensile Strength	Max. Allowable Load						
DID	JIS	P												kN	kgf	kN	kgf	kN	kgf				
<b>DID160</b>	160				63.6	68.2	69.7							223	22,640	245	24,870	269	27,310	52.9	5,370	9.82	
<b>DID160-2</b>	160-2				122.2	126.8	128.3							446	45,280	490	49,750	538	54,620	89.9	9,130	19.4	
<b>DID160-3</b>	160-3	50.80	31.75	28.58	14.29	180.8	185.4	186.9	31.9	36.5	58.5	6.40	47.8	41.4	669	67,920	735	74,620	807	81,930	132	13,400	29.0
<b>DID160-4</b>	160-4					239.3	243.8	245.4							—	—	980	99,490	1,076	109,240	175	17,770	38.6
<b>DID160-5</b>	160-5					297.8	303.4	303.9							—	—	1,225	124,370	1,345	136,550	206	20,910	48.2

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

### Max. Kilowatt Ratings DID 160

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										
Type of Lubrication	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	1000	1100	1200	1300
<b>11</b>	4.41	10.1	18.8	35.0	50.5	65.4	79.9	94.2	98.5	98.5	84.4	72.0	62.4	54.8	48.6	43.5	39.2	35.6	32.5	29.8	25.5	22.1	19.4	17.2
<b>12</b>	4.84	11.1	20.6	38.5	55.4	71.8	87.8	103	108	108	96.1	82.1	71.1	62.4	55.4	49.6	44.7	40.6	37.0	34.0	29.0	25.2	22.1	19.6
<b>13</b>	5.28	12.1	22.5	42.0	60.5	78.3	95.7	113	118	118	108	92.6	80.2	70.4	62.4	55.9	50.4	45.7	41.8	38.3	32.7	28.4	24.9	22.1
<b>14</b>	5.72	13.1	24.4	45.5	65.5	84.8	104	122	128	128	121	103	89.7	78.7	69.8	62.4	56.3	51.1	46.7	42.8	36.6	31.7	27.8	24.7
<b>15</b>	6.16	14.1	26.3	49.0	70.6	91.4	112	132	138	138	134	115	99.4	87.3	77.4	69.3	62.4	56.7	51.8	47.5	40.6	35.2	30.9	14.7
<b>16</b>	6.61	15.1	28.1	52.5	75.7	98.0	120	141	148	148	148	126	110	96.1	85.3	76.3	68.8	62.4	57.0	52.3	44.7	38.7	34.0	—
<b>17</b>	7.05	16.1	30.1	56.1	80.8	105	128	151	162	162	162	138	120	105	93.4	83.6	75.3	68.4	62.4	57.3	48.9	42.4	37.2	—
<b>18</b>	7.50	17.1	32.0	59.6	85.9	111	136	160	177	177	177	151	131	115	102	91.0	82.1	74.5	68.0	62.4	53.3	46.2	40.6	—
<b>19</b>	7.96	18.2	33.9	63.2	91.1	118	144	170	192	192	192	164	142	124	110	98.7	89.0	80.8	73.8	67.7	57.8	50.1	44.0	—
<b>20</b>	8.41	19.2	35.8	66.8	96.3	125	152	180	206	207	207	177	153	134	119	107	96.1	87.3	79.7	73.1	62.4	54.1	47.5	—
<b>21</b>	8.86	20.2	37.8	70.5	101	131	161	189	218	220	220	190	165	145	128	115	103	93.9	85.7	78.7	67.2	58.2	25.9	—
<b>22</b>	9.32	21.3	39.7	74.1	107	138	169	199	229	231	231	204	177	155	137	123	111	101	91.9	84.4	72.0	62.4	—	—
<b>24</b>	10.2	23.4	43.6	81.4	117	152	186	219	251	254	254	232	201	177	157	140	126	115	105	96.1	82.1	71.1	—	—
<b>25</b>	10.7	24.4	45.6	85.0	123	159	194	229	263	266	266	247	214	188	167	149	134	122	111	102	87.3	75.6	—	—
<b>30</b>	13.0	29.7	55.5	104	149	193	236	278	320	330	330	324	281	247	219	196	177	160	146	134	—	—	—	—
<b>32</b>	14.0	31.9	59.5	111	160	207	253	298	343	358	358	357	310	272	241	216	195	177	161	—	—	—	—	—
<b>35</b>	15.4	35.1	65.5	122	176	228	279	329	378	409	409	409	354	311	276	247	223	—	—	—	—	—	—	—
<b>40</b>	17.8	40.6	75.7	141	204	264	322	380	436	467	467	467	433	380	337	—	—	—	—	—	—	—	—	—
<b>45</b>	20.2	46.1	86.0	160	231	299	366	431	495	532	532	532	517	453	—	—	—	—	—	—	—	—	—	—

Note: 1. Values in the table above are for simplex chains only. For multiplex chains, please multiply the coefficient of multi-strand. (See "Chain Selection" on P120).

2. Consult us when the ratings beyond the dotted line to rightward.