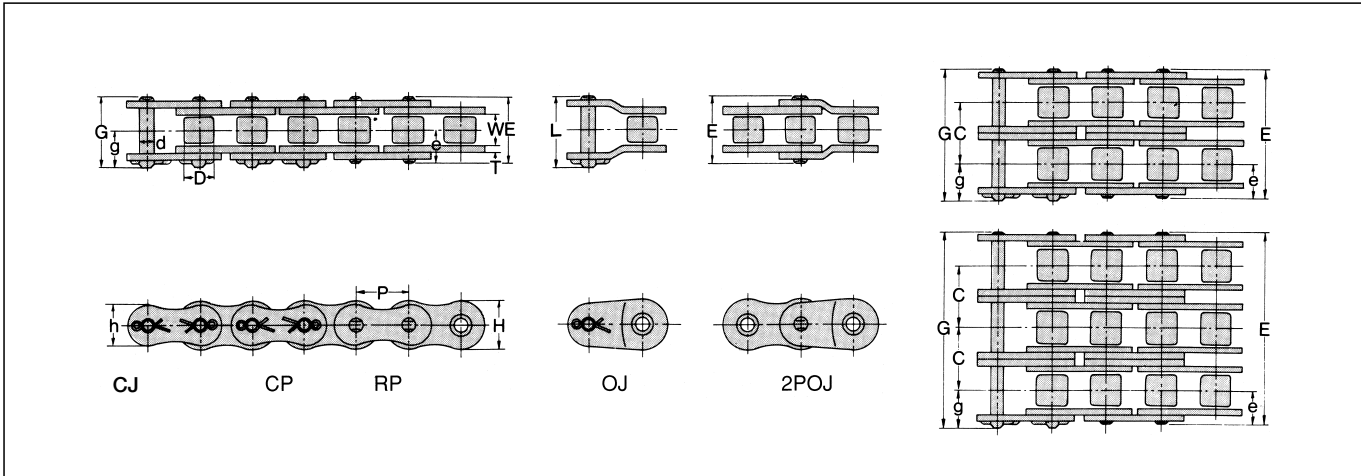


## DID 120 standard roller chain



### 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																			
<b>DID120</b>	120					49.8	53.8	56.1							137.1	13,980	147.1	15,000	166	17,000	30.4	3,100	5.49
<b>DID120-2</b>	120-2					75.4	99.2	99.6							274.2	27,960	294.2	30,000	333	34,000	51.6	5,270	11.0
<b>DID120-3</b>	120-3	38.10	25.40	22.23	11.11	140.6	143.9	145.0	24.9	28.9	45.4	4.80	36.2	31.2	411.3	41,940	441.3	45,000	500	51,000	76.0	7,750	16.5
<b>DID120-4</b>	120-4					186.1	189.4	190.5							548.4	55,920	588.4	60,000	666	68,000	100	10,230	22.0
<b>DID120-5</b>	120-5					231.5	234.8	235.9							685.5	69,900	735.5	75,000	833	85,000	118	12,090	27.5

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

### Max. Kilowatt Ratings DID 120

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	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100
<b>11</b>	1.51	3.45	6.45	12.0	17.3	22.5	32.3	41.9	51.2	43.5	34.6	28.3	23.7	20.2	17.5	15.4	13.7	12.2	11.0	10.0	9.13	8.38	7.73	7.15	6.65
<b>12</b>	1.66	3.79	7.08	13.2	19.0	24.7	35.5	46.0	56.3	49.6	39.4	32.2	27.0	23.1	20.0	17.5	15.6	13.9	12.6	11.4	10.4	9.55	8.80	8.15	
<b>13</b>	1.81	4.14	7.72	14.4	20.8	26.9	38.7	50.2	61.3	55.9	44.4	36.3	30.5	26.0	22.5	19.8	17.5	15.7	14.2	12.8	11.7	10.8	9.93	9.19	
<b>14</b>	1.96	4.48	8.36	15.6	22.5	29.1	42.0	54.4	66.4	62.5	49.6	40.6	34.0	29.1	25.2	22.1	19.6	17.5	15.8	14.4	13.1	12.0	11.1	10.3	
<b>15</b>	2.12	4.83	9.01	16.8	24.2	31.4	45.2	58.6	71.6	69.3	55.0	45.0	37.7	32.2	27.9	24.5	21.7	19.5	17.5	15.9	14.5	13.3	12.3		
<b>16</b>	2.27	5.18	9.66	18.0	26.0	33.6	48.5	62.8	76.7	76.4	60.6	49.6	41.6	35.5	30.8	27.0	24.0	21.4	19.3	17.5	16.0	14.7	13.6		
<b>17</b>	2.42	5.53	10.3	19.3	27.7	35.9	51.7	67.0	81.9	83.6	66.4	54.3	45.5	38.9	33.7	29.6	26.2	23.5	21.2	19.2	17.5	16.1	14.8		
<b>18</b>	2.58	5.88	11.0	20.5	29.5	38.2	55.0	71.3	87.2	91.1	72.3	59.2	49.6	42.4	36.7	32.2	28.6	25.6	23.1	20.9	19.1	17.5	16.2		
<b>19</b>	2.73	6.23	11.6	21.7	31.3	40.5	58.3	75.6	92.4	98.8	78.4	64.2	53.8	45.9	39.8	34.9	31.0	27.7	25.0	22.7	20.7	19.0			
<b>20</b>	2.89	6.59	12.3	22.9	33.0	42.8	61.7	79.9	97.7	107	84.7	69.3	58.1	49.6	43.0	37.7	33.5	30.0	27.0	24.5	22.4	20.5			
<b>21</b>	3.04	6.94	13.0	24.2	34.8	45.1	65.0	84.2	103	115	91.1	74.6	62.5	53.4	46.3	40.6	36.0	32.2	29.1	26.4	24.1	22.1			
<b>22</b>	3.20	7.30	13.6	25.4	36.6	47.5	68.4	88.6	108	123	97.7	80.0	67.0	57.2	49.6	43.5	38.6	34.6	31.2	28.3	25.8	23.7			
<b>23</b>	3.36	7.66	14.3	26.7	38.4	49.8	71.7	92.9	114	132	104	85.5	71.7	61.2	53.0	46.5	41.3	36.9	33.3	30.2	27.6				
<b>24</b>	3.52	8.02	15.0	27.9	40.2	52.1	75.1	97.3	119	140	111	91.1	76.4	65.2	56.5	49.6	44.0	39.4	35.5	32.2	29.4				
<b>25</b>	3.68	8.38	15.6	29.2	42.1	54.5	78.5	102	124	146	118	96.9	81.2	69.3	60.1	52.7	46.8	41.9	37.7	34.3	31.3				
<b>28</b>	4.15	9.47	17.7	33.0	47.5	61.6	88.7	115	140	165	140	115	96.2	82.2	71.2	62.5	55.4	49.6	44.7	40.6					
<b>30</b>	4.47	10.2	19.1	35.6	51.2	66.3	95.5	124	151	178	156	127	107	91.1	79.0	69.3	61.5	55.0	49.6						
<b>32</b>	4.80	10.9	20.4	38.1	54.9	71.1	102	133	162	191	171	140	118	100	87.0	76.4	67.7	60.6							
<b>35</b>	5.29	12.1	22.5	42.0	60.5	78.4	113	146	179	211	196	160	135	115	99.5	87.4	77.5								
<b>40</b>	6.11	13.9	26.0	48.5	69.9	90.5	130	169	206	243	240	196	164	140	122										
<b>45</b>	6.93	15.8	29.5	55.1	79.3	103	148	192	234	276	286	234	196	167											

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.