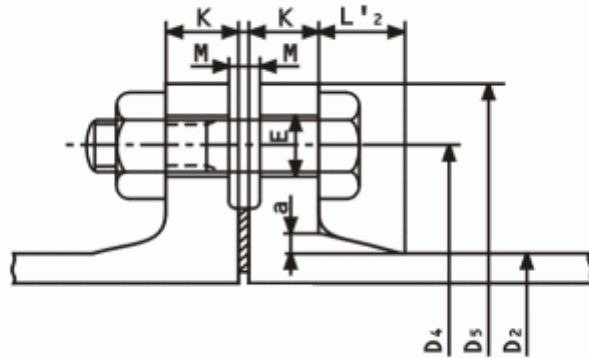




Flanged Joint



Note: Bolt holes shall be spaced evenly on each side of vertical line of flange while the axis of fitting is horizontal.

Unit: mm

Nominal size	O.D.	7.5 kgf/cm <sup>2</sup>								10 kgf/cm <sup>2</sup>									
		Dimensions								Bolt No.	Weight (kg) Flange	Dimensions							
D	D <sub>2</sub>	D <sub>4</sub>	D <sub>5</sub>	K	M	E	a	L' <sub>2</sub>	D <sub>4</sub>			D <sub>5</sub>	K	M	E	a	L' <sub>2</sub>		
75	93.0	268	211	21	3	19	5	26	4	3.77	150	185	18	2	19	5	24	8	2.29
100	118.0	195	238	21	3	19	5	26	4	4.55	175	210	18	2	19	5	24	8	2.76
150	169.0	247	290	22	3	19	5	26	6	6.22	240	280	22	2	23	5	24	8	5.60
200	220.0	299	342	23	3	19	5	26	8	8.06	290	330	22	2	23	5	29	12	6.76
250	271.6	360	410	24	3	23	5	26	8	11.50	355	400	24	2	25	6	30	12	10.70
300	322.8	414	464	25	3	23	5	32	10	14.20	400	445	24	3	25	7	33	16	11.40
350	374.0	472	530	26	3	25	5	32	10	18.80	445	490	26	3	25	7	36	16	13.40
400	425.6	524	582	27	3	25	5	32	12	21.80	510	560	28	3	27	8	39	16	19.40
450	476.8	585	652	28	3	27	5	32	12	28.30	565	620	30	3	27	9	42	20	24.70
500	528.0	639	706	29	4	27	6	32	12	32.00	620	675	30	3	27	9	45	20	28.30
600	630.8	743	810	30	4	27	6	32	16	38.90	730	795	32	3	33	10	51	24	39.00
700	733.0	854	928	31	4	33	6	32	16	49.90	840	905	34	3	33	12	57	24	52.10
800	836.0	960	1034	32	4	33	14	68	20	66.10	950	1020	36	3	33	13	63	28	67.70
900	939.0	1073	1156	33	4	33	15	77	20	85.30	1050	1120	38	3	33	14	71	28	80.30
1000	1041.0	1179	1262	34	4	33	17	84	24	101.00	1160	1235	40	3	39	16	77	28	100.00
1100	1144.0	1283	1366	36	4	33	18	90	24	120.00	1270	1345	42	3	39	17	83	28	122.00
1200	1246.0	1387	1470	38	4	33	19	96	28	140.00	1380	1465	44	3	39	18	89	32	152.00
1350	1400.0	1550	1642	40	4	39	21	110	28	181.00	1540	1630	48	3	45	20	100	36	194.00
1500	1554.0	1710	1800	42	5	39	24	115	32	216.00	1700	1795	50	3	45	22	110	40	239.00
1600	1650.0	1820	1915	47	5	39	24	120	36	275.00	1820	1915	55	5	49	22	110	40	295.00
1650	1701.0	1870	1965	48	5	39	24	120	40	286.00	1870	1965	56	5	49	22	110	40	308.00
1800	1848.0	2020	2115	49	5	39	24	120	44	318.00	2020	2115	60	5	49	22	110	44	358.00
2000	2061.0	2230	2325	51	5	46	25	125	48	360.00	2230	2325	65	5	49	22	110	48	421.00
2100	2164.0	2335	2430	52	5	46	25	125	48	386.00	2335	2430	68	5	49	22	110	52	461.00
2200	2280.0	2440	2550	54	6	46	26	130	52	424.00	2440	2550	71	6	56	22	110	52	494.00
2400	2458.0	2650	2760	56	6	46	28	140	56	538.00	2650	2760	76	6	56	24	120	56	651.00
2600	2684.0	2850	2960	58	6	52	28	140	56	549.00	2850	2960	81	6	56	24	120	60	683.00



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Nominal size	O.D.	16 kgf/cm <sup>2</sup>								20 kgf/cm <sup>2</sup>									
		Dimensions							Bolt No.	Weight (kg)	Dimensions							Bolt No.	Weight (kg)
		D <sub>4</sub>	D <sub>5</sub>	K	M	E	a	L <sub>2</sub>			Flange	D <sub>4</sub>	D <sub>5</sub>	K	M	E	a		
75	93.0	160	200	20	2	23	6	23	8	3.01	160	200	22	2	23	6	21	8	3.30
100	118.0	185	225	22	2	23	6	23	8	3.98	185	225	24	2	23	6	21	8	4.33
150	169.0	260	305	24	2	25	8	26	12	7.73	260	305	28	2	25	7	22	12	8.90
200	220.0	305	350	26	2	25	8	29	12	9.89	305	350	30	2	25	7	25	12	11.20
250	271.6	380	430	28	2	27	10	32	12	16.50	380	430	34	2	27	8	26	12	19.60
300	322.8	430	480	30	3	27	11	35	16	19.70	430	480	36	3	27	9	29	16	23.10
350	374.0	480	540	34	3	33	11	36	16	26.00	480	540	40	3	33	9	29	16	30.00
400	425.6	540	605	38	3	33	11	37	16	36.00	540	605	46	3	33	9	29	16	42.80
450	476.8	605	675	40	3	33	13	40	20	47.30	605	675	48	3	33	10	32	20	55.50
500	528.0	660	730	42	3	33	14	43	20	56.30	660	730	50	3	33	11	35	20	65.40
600	630.8	770	845	46	3	39	15	49	24	75.00	770	845	54	3	39	13	41	24	86.10
700	733.0	875	960	50	5	42	17	55	24	98.20	900	995	64	5	48	13	56	24	143.00
800	836.0	990	1085	54	5	48	19	61	24	132.00	1030	1140	72	5	56	14	63	24	213.00
900	939.0	1090	1185	58	5	48	20	67	28	156.00	1140	1250	76	5	56	15	74	28	256.00
1000	1041.0	1210	1320	62	5	56	21	73	28	207.00	-	-	-	-	-	-	-	-	-
1100	1144.0	1310	1420	66	5	56	22	79	32	237.00	-	-	-	-	-	-	-	-	-
1200	1246.0	1420	1530	70	5	56	23	85	32	287.00	-	-	-	-	-	-	-	-	-
1350	1400.0	1590	1700	76	5	62	25	94	32	369.00	-	-	-	-	-	-	-	-	-
1500	1554.0	1750	1865	80	5	62	27	105	36	451.00	-	-	-	-	-	-	-	-	-

Note: 1. 7.5 kgf/cm<sup>2</sup>~20 kgf/cm<sup>2</sup> are the nominal pressure of CNS 7118.

2. Dimensions D4, D5, E and the bolt number of 10 kgf/cm<sup>2</sup>~20 kgf/cm<sup>2</sup> shall be in accordance with CNS 790, CNS 791 and CNS 792.

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