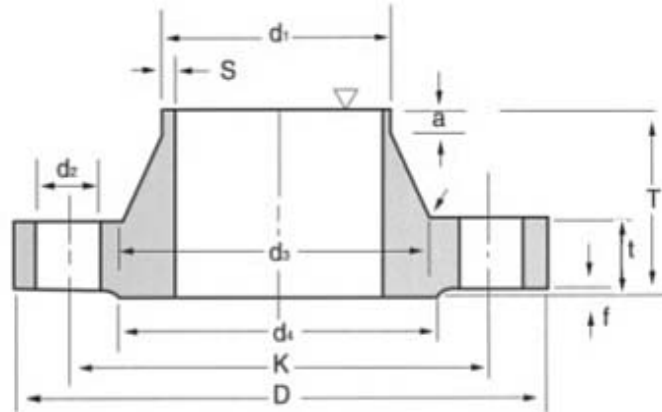


EN1092-1 TYPE11 PN10 WELDING NECK FLANGES

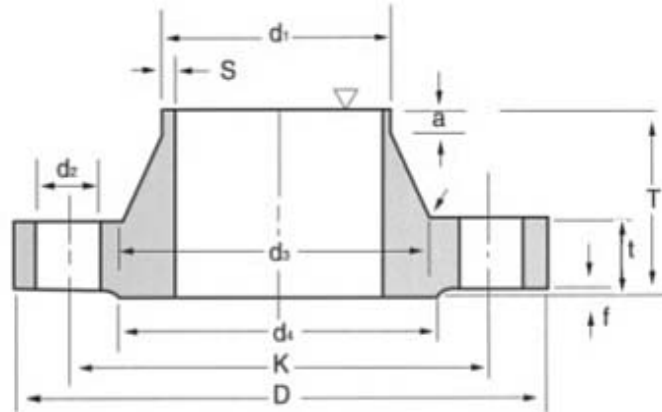


UNIT:mm

Pipe		Flange				Neck				Raised face		Drilling		Weight
DN	d1	D	t	K	T	d3	s	r	a	d4	f	No.	d2	kgs/pc
10	17.2	90	16	60	35	28	2.0	4	6	40	2	4	14	0.678
15	21.3	95	16	65	38	32	2.0	4	6	45	2	4	14	0.768
20	26.9	105	18	75	40	40	2.3	4	6	58	2	4	14	1.090
25	33.7	115	18	85	40	46	2.6	4	6	68	2	4	14	1.300
32	42.4	140	18	100	42	56	2.6	6	6	78	2	4	18	1.910
40	48.3	150	18	110	45	64	2.6	6	7	88	2	4	18	2.150
50	60.3	165	18	125	45	74	2.9	6	8	102	2	4	18	2.530
65	76.1	185	18	145	45	92	2.9	6	10	122	2	8	18	3.030 ^a
80	88.9	200	20	160	50	105	3.2	6	10	138	2	8	18	3.920
100	114.3	220	20	180	52	131	3.6	8	12	158	2	8	18	4.620
125	139.7	250	22	210	55	156	4.0	8	12	188	2	8	18	6.300
150	168.3	285	22	240	55	184	4.5	10	12	212	2	8	22	7.810
200	219.1	340	24	295	62	234	6.3	10	16	268	2	8	22	11.600
250	273.0	395	26	350	68	292	6.3	12	16	320	2	12	22	15.800
300	323.9	445	26	400	68	342	7.1	12	16	370	2	12	22	18.300
350	355.6	505	26	460	68	385	7.1	12	16	430	2	16	22	25.300
400	406.4	565	26	515	72	440	7.1	12	16	482	2	16	26	30.600
450	457.0	615	28	565	72	488	7.1	12	16	532	2	20	26	35.100
500	508.0	670	28	620	75	542	7.1	12	16	585	2	20	26	40.500
600	610.0	780	30	725	82	642	8.0	12	18	685	2	20	30	52.900

^a:With 8 bolt holes.

EN1092-1 TYPE11 PN16 WELDING NECK FLANGES

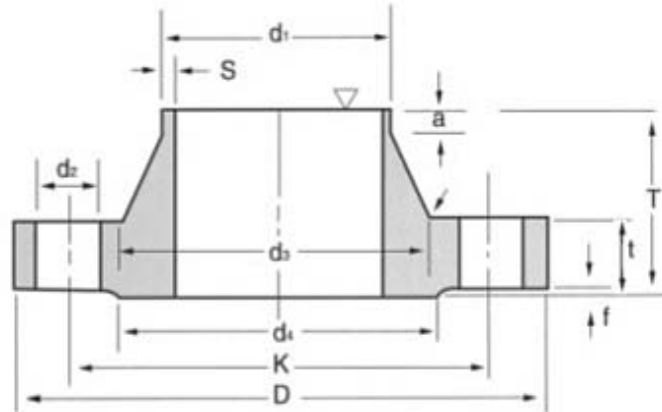


UNIT:mm

Pipe		Flange				Neck				Raised face		Drilling		Weight
DN	d1	D	t	K	T	d3	s	r	a	d4	f	No.	d2	kgs/pc
10	17.2	90	16	60	35	28	2.0	4	6	40	2	4	14	0.678
15	21.3	95	16	65	38	32	2.0	4	6	45	2	4	14	0.768
20	26.9	105	18	75	40	40	2.3	4	6	58	2	4	14	1.090
25	33.7	115	18	85	40	46	2.6	4	6	68	2	4	14	1.300
32	42.4	140	18	100	42	56	2.6	6	6	78	2	4	18	1.910
40	48.3	150	18	110	45	64	2.6	6	7	88	2	4	18	2.150
50	60.3	165	18	125	45	74	2.9	6	8	102	2	4	18	2.530
65	76.1	185	18	145	45	92	2.9	6	10	122	2	8	18	3.030 ^a
80	88.9	200	20	160	50	105	3.2	6	10	138	2	8	18	3.920
100	114.3	220	20	180	52	131	3.6	8	12	158	2	8	18	4.620
125	139.7	250	22	210	55	156	4.0	8	12	188	2	8	18	6.300
150	168.3	285	22	240	55	184	4.5	10	12	212	2	8	22	7.810
200	219.1	340	24	295	62	235	6.3	10	16	268	2	12	22	11.500
250	273.0	405	26	355	70	292	6.3	12	16	320	2	12	26	16.700
300	323.9	460	28	410	78	344	7.1	12	16	378	2	12	26	22.100
350	355.6	520	30	470	82	390	8.0	12	16	438	2	16	26	32.800
400	406.4	580	32	525	85	445	8.0	12	16	490	2	16	30	41.100
450	457.0	640	34	585	83	490	8.0	12	16	550	2	20	30	50.600
500	508.0	715	36	650	84	548	8.0	12	16	610	2	20	33	66.200
600	610.0	840	40	770	88	670	10.0	12	18	725	2	20	36	104.000

^a:With 8 bolt holes.

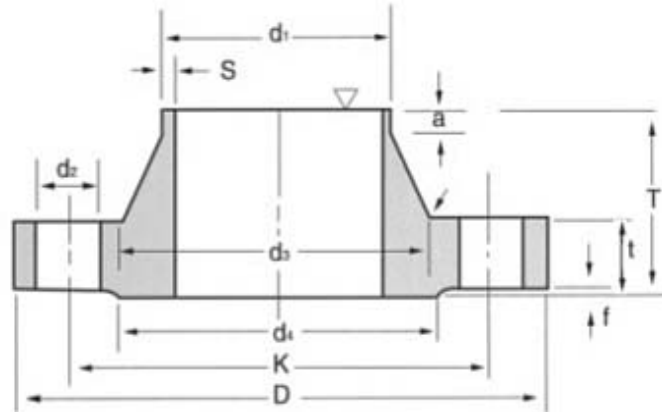
EN1092-1 TYPE11 PN25 WELDING NECK FLANGES



UNIT:mm

Pipe		Flange				Neck				Raised face		Drilling		Weight
DN	d1	D	t	K	T	d3	s	r	a	d4	f	No.	d2	kgs/pc
10	17.2	90	16	60	35	28	2.0	4	6	40	2	4	14	0.678
15	21.3	95	16	65	38	32	2.0	4	6	45	2	4	14	0.768
20	26.9	105	18	75	40	40	2.3	4	6	58	2	4	14	1.090
25	33.7	115	18	85	40	46	2.6	4	6	68	2	4	14	1.300
32	42.4	140	18	100	42	56	2.6	6	6	78	2	4	18	1.910
40	48.3	150	18	110	45	64	2.6	6	7	88	2	4	18	2.150
50	60.3	165	20	125	48	75	2.9	6	8	102	2	4	18	2.850
65	76.1	185	22	145	52	90	2.9	6	10	122	2	8	18	3.680
80	88.9	200	24	160	58	105	3.2	8	12	138	2	8	18	4.780
100	114.3	235	24	190	65	134	3.6	8	12	162	2	8	22	6.460
125	139.7	270	26	220	68	162	4.0	8	12	188	2	8	26	8.860
150	168.3	300	28	250	75	192	4.5	10	12	218	2	8	26	11.700
200	219.1	360	30	310	80	244	6.3	10	16	278	2	12	26	17.10
250	273.0	425	32	370	88	298	7.1	12	18	335	2	12	30	24.30
300	323.9	485	34	430	92	352	8.0	12	18	395	2	16	30	31.80
350	355.6	555	38	490	100	398	8.0	12	20	450	2	16	33	48.80
400	406.4	620	40	550	110	452	8.8	12	20	505	2	16	36	63.30
450	457.0	670	46	600	110	500	8.8	12	20	555	2	20	36	76.00
500	508.0	730	48	660	125	558	10.0	12	20	615	2	20	36	97.00
600	610.0	845	48	770	125	660	11.0	12	20	720	2	20	39	121.00

EN1092-1 TYPE11 PN40 WELDING NECK FLANGES



UNIT:mm

Pipe		Flange				Neck				Raised face		Drilling		Weight
DN	d_1	D	t	K	T	d_3	s	r	a	d_4	f	No.	d_2	kgs/pc
10	17.2	90	16	60	35	28	2.0	4	6	40	2	4	14	0.678
15	21.3	95	16	65	38	32	2.0	4	6	45	2	4	14	0.768
20	26.9	105	18	75	40	40	2.3	4	6	58	2	4	14	1.090
25	33.7	115	18	85	40	46	2.6	4	6	68	2	4	14	1.300
32	42.4	140	18	100	42	56	2.6	6	6	78	2	4	18	1.910
40	48.3	150	18	110	45	64	2.6	6	7	88	2	4	18	2.150
50	60.3	165	20	125	48	75	2.9	6	8	102	2	4	18	2.850
65	76.1	185	22	145	52	90	2.9	6	10	122	2	8	18	3.680
80	88.9	200	24	160	58	105	3.2	8	12	138	2	8	18	4.780
100	114.3	235	24	190	65	134	3.6	8	12	162	2	8	22	6.460
125	139.7	270	26	220	68	162	4.0	8	12	188	2	8	26	8.860
150	168.3	300	28	250	75	192	4.5	10	12	218	2	8	26	11.700
200	219.1	375	34	320	88	244	6.3	10	16	285	2	12	30	21.000
250	273.0	450	38	385	105	306	7.1	12	18	345	2	12	33	34.200
300	323.9	515	42	450	115	362	8.0	12	18	410	2	16	33	47.600
350	355.6	580	46	510	125	408	8.8	12	20	465	2	16	36	69.300
400	406.4	660	50	585	135	462	11.0	12	20	535	2	16	39	98.000
450	457.0	685	57	610	135	500	12.5	12	20	560	2	20	39	105.000
500	508.0	755	57	670	140	562	14.2	12	20	615	2	20	42	130.000
600	610.0	890	72	795	150	666	16.0	12	20	735	2	20	48	209.000