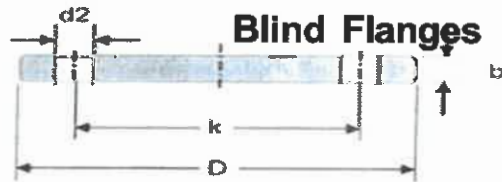


DIN Flanges

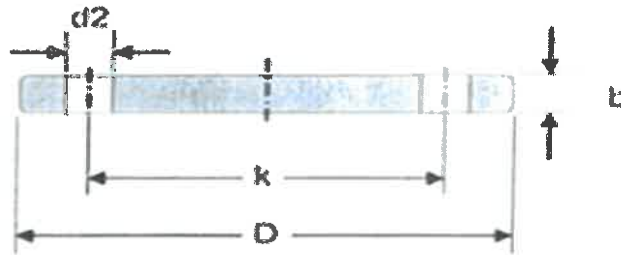
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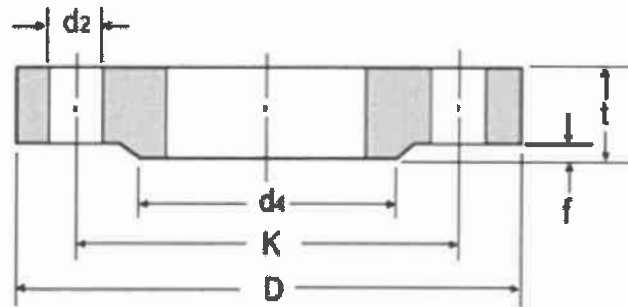
PN6							PN10				
DIN	No. of	D	b	k	d2	KG	D	b	k	d2	KG
10	4	75	12	50	11	0.38	90	14	60	14	0.63
15	4	80	12	55	11	0.44	95	14	65	14	0.71
20	4	90	14	65	11	0.66	105	16	75	14	1.01
25	4	100	14	75	11	0.82	115	16	85	14	1.23
32	4	120	14	90	14	1.18	140	16	100	18	1.81
40	4	130	14	100	14	1.39	150	16	110	18	2.09
50	4	140	14	110	14	1.62	165	18	125	18	2.88
65	4	160	14	130	14	2.14	185	18	145	18	3.65
80	4	190	16	150	48	3.43	200	20	160	18	4.61
100	4	210	16	170	18	4.22	220	20	180	18	5.65
125	8	240	18	200	18	6.1	250	22	210	18	8.13
150	8	265	18	225	18	7.51	285	22	240	22	10.49
175	8	295	20	255	18	10.41	315	24	270	22	14.11
200	8	320	20	280	18	12.31	340	24	295	22	16.53
250	12	375	22	335	18	18.55	395	26	350	22	24.08
300	12	440	22	395	22	25.47	445	26	400	22	30.81
350	12	490	22	445	22	31.78	505	26	460	22	39.64
400	16	540	22	495	22	38.5	565	26	515	26	49.44
500	20	645	24	600	22	60.13	670	28	620	26	75.16
600	20	755	28	705	26	96.07	780	30	725	30	109.2
700	24	860	30	810	26	133.8	895	32	840	30	153.77
800	24	975	32	920	30	183.29	1015	36	950	33	222.86
900	24	1075	36	1020	30	251.7	1115	40	1050	33	299.08
1000	28	1175	42	1120	30	350.98	1230	46	1160	36	418.78

Blind Flanges



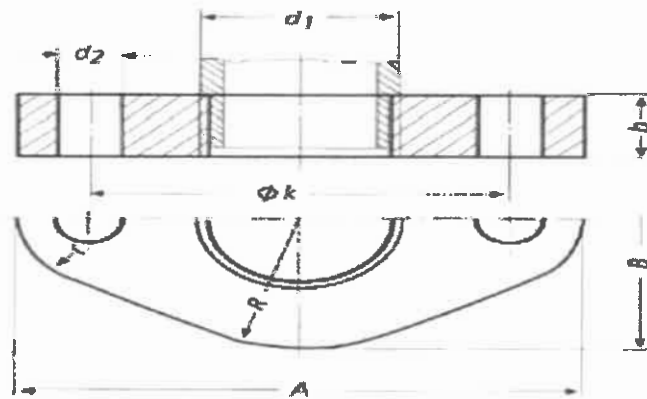
PN16						
DIN	NO. OF HOLES	D	b	k	d2	KG
10	4	90	14	60	14	0.63
15	4	95	14	65	14	0.71
20	4	105	16	75	14	1.01
25	4	115	16	85	14	1.23
32	4	140	16	100	18	1.81
40	4	150	16	110	18	2.09
50	4	165	18	125	18	2.88
65	4	185	18	145	18	3.65
80	8	200	20	160	18	4.61
100	8	220	20	180	18	5.65
125	8	250	22	210	18	8.13
150	8	285	22	240	22	10.49
175	8	315	24	270	22	14.11
200	12	340	24	295	22	16.26
250	12	405	26	355	26	24.99
300	12	460	28	410	26	35.13
350	16	520	30	470	26	48.01
400	16	580	32	525	30	83.53
500	20	715	36	650	33	108.63
600	20	780	38	770	36	136.47
700	24	895	40	840	36	189.87
800	24	1015	44	950	39	269.57
900	28	1115	48	1050	39	355.31
1000	28	1230	52	1170	42	469.2

Flat Flange For Welding (Slip On) PN16



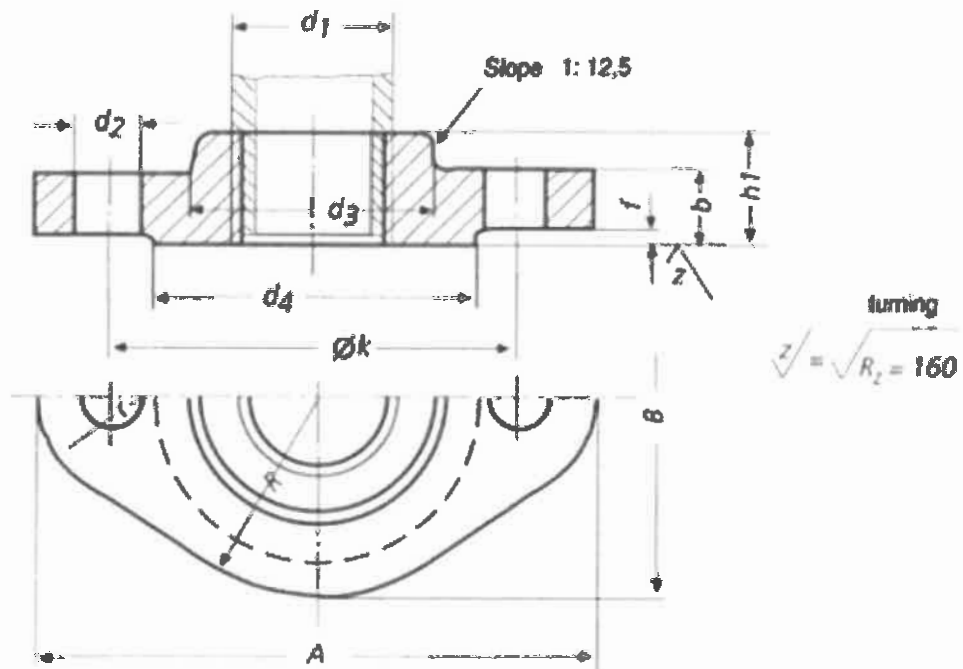
DN	ISO	DIN	d4	D	t	f	K ψ	No. of Holes	d2	KG
10	17.2	14	40	90	-	2	60	4	14	0.63
15	21.3	20	45	95	14	2	65	4	14	0.72
20	26.9	25	58	105	16	2	75	4	14	1.01
25	33.7	30	68	115	16	2	85	4	14	1.23
32	42.4	38	78	140	16	2	100	4	18	1.80
40	48.3	44.5	88	150	16	3	110	4	18	2.09
50	60.3	57	102	165	18	3	125	4	18	2.88
65	76.1	-	122	185	18	3	145	4	18	3.66
80	88.9	-	138	200	20	3	160	8	18	4.77
100	114.3	108	158	220	20	3	180	8	18	5.65
125	139.7	133	188	250	22	3	210	8	18	8.42
150	168.3	159	212	285	22	3	240	8	23	10.40
200	219.1	216	268	340	24	3	295	12	23	16.10
250	273	267	320	405	26	3	355	12	27	24.90
300	323.9	318	378	460	28	4	410	12	27	35.10
350	355.6	368	438	520	30	4	470	16	27	47.80
400	406.4	419	490	580	32	4	525	16	30	63.50
500	508	521	610	715	36	4	650	20	33	102.00
600	609.6	622	725	840	40	5	770	20	36	-
700	711.2	720	795	910	-	5	840	24	36	-
800	812.8	820	900	1025	-	5	950	24	39	-
900	914.4	920	1000	1125	-	5	1050	28	39	-
1000	1016	1020	1115	1255	-	5	1170	28	42	-

Oval Plain Threaded Flange PN6



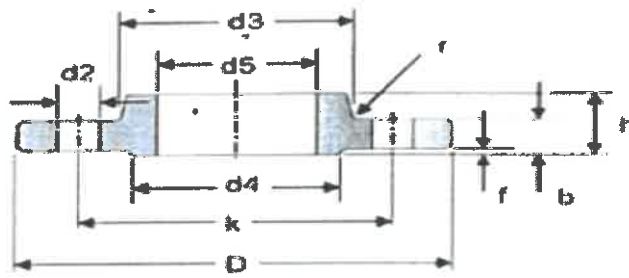
DN	d1	Thread	A	B	b	Øk	R	r	Thread	d2	KG
6	10.2	R 1/8	64	32	12	40	16	10	M10	11	0.119
8	13.5	R 1/4	72	36	12	45	18	11	M10	11	0.147
10	17.2	R 3/8	75	40	12	50	20	12	M10	11	0.165
15	21.3	R 1/2	80	45	12	55	22,5	13	M10	11	0.194
20	26.9	R 3/4	90	64	14	65	32	18	M10	11	0.373
25	33.7	R 1	100	72	14	75	36	20	M10	11	0.455
32	42.4	R 1-1/4	118	85	16	95	42.5	22	M12	14	0.675
40	48.3	R 1-1/2	132	95	16	100	47.5	25	M12	14	0.850
50	60.3	R 2	140	100	16	110	50	28	M12	14	0.882
65	76.1	R 2-1/2	160	118	16	130	59	32	M12	14	1.100
80	88.9	R 3	190	140	18	150	70	38	M16	18	1.760
100	114.3	R 4	210	160	18	170	80	42	M16	18	1.890

Oval Flange With Neck Threaded PN6 and PN10



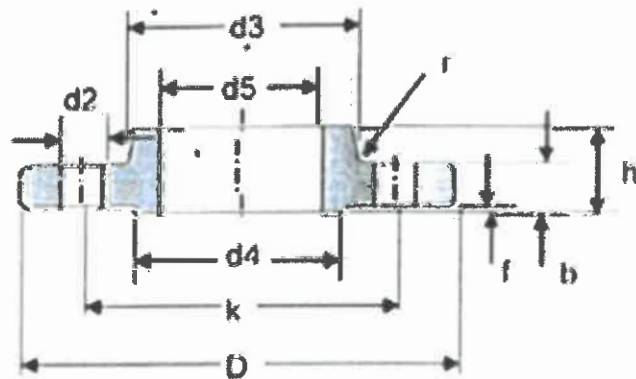
DN	d1	Thread DIN	A	B	b	k	R	r	h1	d3	d4	f	Thread	d2	KG
6	10.2	R 1/8	75	40	12	50	20	12	18	20	32	2	M10	11	0.172
8	13.5	R 1/4	80	45	12	55	22,5	13	18	25	38	2	M10	11	0.21
10	17.2	R 3/8	90	50	14	60	25	15	20	30	40	2	M12	14	0.295
15	21.3	R 1/2	100	56	14	65	28	16	20	35	45	2	M12	14	0.365
20	26.9	R 3/4	105	75	16	75	37,5	21	24	45	58	2	M12	14	0.622
25	33.7	R 1	118	85	16	85	42,5	22	24	52	68	2	M12	14	0.777
32	42.4	R 1-1/4	140	100	16	100	50	28	26	60	78	2	M16	18	1.07
40	48.3	R 1-1/2	150	112	16	110	56	30	26	70	88	3	M16	18	1.26

Threaded Flange With Neck PN6



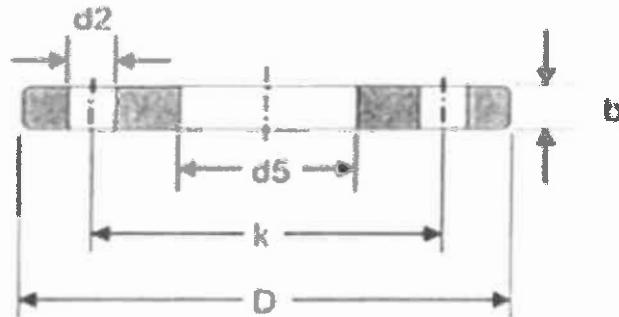
DN	D1	DIN 2999	D	b	k	h	d3	d4	f	No. of holes	d2	KG
6	10.2	R1/8	65	10	40	18	18	25	2	4	11.5	0.19
8	13.5	R1/4	70	10	45	18	22	30	2	4	11.5	0.23
10	17.2	R3/8	75	12	50	20	25	35	2	4	11.5	0.32
15	21.3	R1/2	80	12	55	20	30	40	2	4	11.5	0.37
20	26.9	R3/4	90	14	65	24	40	50	2	4	11.5	0.58
25	33.7	R1	100	14	75	24	50	60	2	4	11.5	0.73
32	42.4	R1.1/4	120	14	90	26	60	70	2	4	14	1.05
40	48.3	R1.1/2	130	14	100	26	70	80	3	4	14	1.2
50	50.3	R2	140	14	110	28	80	90	3	4	14	1.54
65	76.1	R2.1/2	160	14	130	32	100	110	3	4	14	1.87
80	88.9	R3	190	16	150	34	110	128	3	4	18	2.78
100	114.3	R4	210	16	170	38	130	148	3	4	18	3.07
150	139.7	R5	240	18	200	40	160	178	3	8	18	4.33
200	168.3	R6	285	18	225	44	185	202	3	8	18	4.81

Threaded Flange With Neck PN16



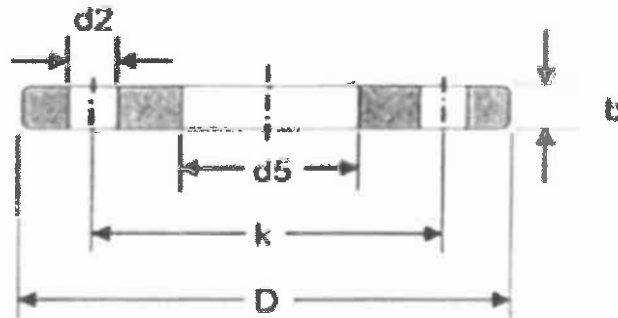
DN	D1	DIN 2999	D	b	k	h	d3	d4	f	No. of holes	d2	KG
6	10.2	R1/8	75	12	50	18	20	32	2	4	11	0.33
8	13.5	R1/4	80	12	55	18	25	38	2	4	11	0.39
10	17.2	R3/8	90	14	60	20	30	40	2	4	14	0.56
15	21.3	R1/2	95	14	65	20	35	45	2	4	14	0.62
20	26.9	R3/4	105	16	75	24	45	58	2	4	14	0.92
25	33.7	R1	115	16	85	24	52	68	2	4	14	1.1
32	42.4	R1.1/4	140	16	100	26	60	78	2	4	18	1.59
40	48.3	R1.1/2	150	16	110	26	70	88	3	4	18	1.77
50	60.3	R2	165	18	125	28	85	102	3	4	18	2.41
65	76.1	R2.1/2	185	18	145	32	105	122	3	4	18	3.13
80	88.9	R3	200	20	160	34	118	138	3	4	18	3.95
100	114.3	R4	220	20	180	38	140	158	3	8	18	4.38
125	139.7	R3	250	22	210	40	168	188	3	8	18	5.99
150	168.3	R4	285	22	240	44	196	212	3	8	22	7.42

Flat Flange For Welding (Slip On) PN6



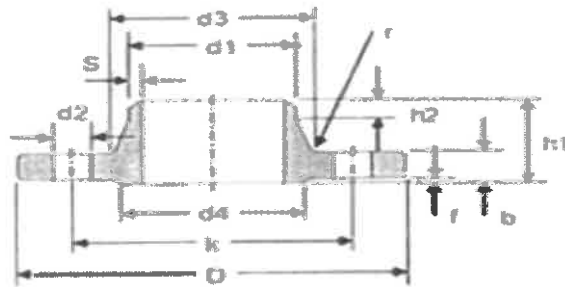
DN	ISO	DIN	d5	D	b	k	No. of Holes	d2	KG
10	-	14	14.5	75	12	50	4	11	0.36
	17.2	-	17.7	75	12	50	4	11	0.36
15	-	20	21	80	12	55	4	11	0.41
	21.3	-	22	80	12	55	4	11	0.4
20	-	25	26	90	14	65	4	11	0.6
	26.9	-	27.6	90	14	65	4	11	0.59
25	-	30	31	100	14	75	4	11	0.74
	33.7	-	34.4	100	14	75	4	11	0.72
32	-	38	39	120	16	90	4	14	1.19
	42.4	-	43.1	120	16	90	4	14	1.16
40	-	44.5	45.5	130	16	100	4	14	1.39
	48.3	-	49	130	16	100	4	14	1.35
50	-	57	58.1	140	16	110	4	14	1.52
	60.3	-	61.1	140	16	110	4	14	1.49
65	76.1	-	77.1	160	16	130	4	14	1.86
80	88.9	-	90.3	190	18	150	4	14	2.96
100	-	108	109.6	210	18	170	4	18	3.42
	114.3	-	115.9	210	18	170	4	18	3.26
125	-	133	134.8	240	20	200	8	18	4.54
	139.7	-	141.6	240	20	200	8	18	4.31
150	-	159	161.1	265	20	225	8	18	5.34
	168.2	-	170.5	265	20	225	8	18	4.76
200	219.1	-	221.8	320	22	280	8	18	6.87
250	-	267	270.2	325	24	335	12	18	9.42
	273	-	276.2	325	24	335	12	18	8.94
300	323.9	-	327.6	440	24	395	12	22	11.91
350	355.6	-	359.7	480	26	445	12	22	16.52
	-	368	372.2	490	26	445	12	22	15.35
400	406.4	-	411	540	28	495	16	22	18.84
	-	419	423.7	540	28	495	16	22	18.01
450	457	-	462.3	595	30	550	16	22	24.52
500	508	-	513.6	645	30	600	20	22	26.37

Flat Flange For Welding (Slip On) PN10



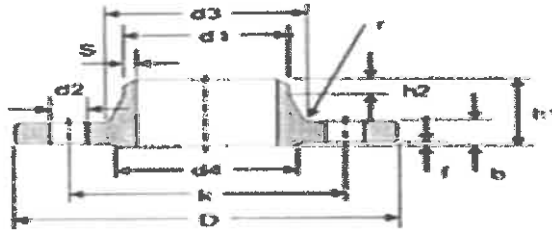
DN	ISO	DIN	d5	D	b	k	No. of Holes	d2	KG
10	-	14	14.50	90	14	60	4	14	0.61
	17.2	-	17.70	90	14	60	4	14	0.60
15	-	20	21.00	95	14	65	4	14	0.67
	21.3	-	22.00	95	14	65	4	14	0.67
20	-	25	26.00	105	16	75	4	14	0.94
	26.9	-	27.60	105	16	75	4	14	0.94
25	-	30	31.00	115	16	85	4	14	1.13
	33.7	-	34.40	115	16	85	4	14	1.11
32	-	38	39.00	140	16	100	4	18	1.66
	42.4	-	43.10	140	16	100	4	18	1.62
40	-	44.5	45.50	150	16	110	4	18	1.89
	48.3	-	49.00	150	16	110	4	18	1.85
50	-	57	58.10	165	18	125	4	18	2.50
	60.3	-	61.10	165	18	125	4	18	2.46
65	76.1	-	77.10	185	18	145	4	18	2.99
80	88.9	-	90.30	200	20	160	8	18	3.61
100	-	108	109.60	220	20	180	8	18	4.17
	114.3	-	115.90	220	20	180	8	18	3.99
125	-	133	134.80	250	22	210	8	18	5.66
	139.7	-	141.60	250	22	210	8	18	5.41
150	-	159	161.10	285	22	240	8	22	6.97
	168.3	-	170.50	285	22	240	8	22	6.55
175	193.7	-	196.10	315	24	270	8	22	8.42
200	219.1	-	221.80	340	24	295	8	22	9.28
250	-	267	270.20	395	26	350	12	22	12.36
	273	-	276.20	395	26	350	12	22	11.85
300	323.9	-	327.60	445	26	400	12	22	13.61
350	355.6	-	359.70	505	28	460	16	22	20.35
	-	368	372.20	505	28	460	16	22	18.77
400	406.4	-	411.00	565	32	515	18	26	27.52
	-	419	423.70	565	32	515	18	26	35.43
450	457	-	462.30	615	38	565	20	26	35.11
500	508	-	613.60	670	38	620	20	26	40.20
600	610	-	615.50	780	40	725	20	26	51.87

Welding Neck Flange PN2.5



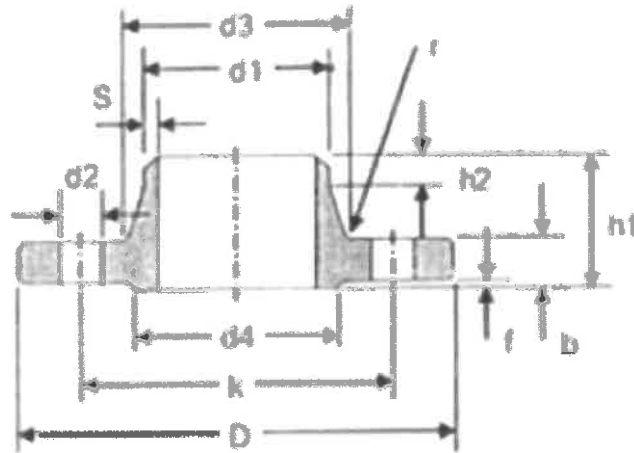
DN	ISO	DIN	D	b	k	h1	D3	S	r	h2	d4	f	No. of Holes	d2	KG
10	-	14	75	12	50	28	22	1.8	4	6	35	2	4	11	0.34
	17.2	-	75	12	50	28	26	1.8	4	6	35	2	4	11	0.34
15	-	20	80	12	55	30	28	2	4	6	40	2	4	11	0.39
	21.3	-	80	12	55	30	30	2	4	6	40	2	4	11	0.46
20	-	25	90	14	65	32	35	2.3	4	6	50	2	4	11	0.6
	26.9	-	90	14	65	32	38	2.3	4	6	50	2	4	11	0.6
25	-	30	100	14	75	35	40	2.6	4	6	60	2	4	11	0.78
	33.7	-	100	14	75	35	42	2.6	4	6	60	2	4	11	0.78
32	-	38	120	14	90	35	50	2.6	6	6	70	2	4	14	1.07
	42.4	-	120	14	90	35	55	2.6	6	6	70	2	4	14	1.06
40	-	44.5	130	14	100	38	55	2.6	6	7	80	3	4	14	1.21
	48.3	-	130	14	100	38	62	2.6	6	7	80	3	4	14	1.2
50	-	57	140	14	110	38	70	2.9	6	8	90	3	4	14	1.37
	60.3	-	140	14	110	38	74	2.9	6	8	90	3	4	14	1.36
65	76.1	-	160	14	130	38	88	2.9	6	9	110	3	4	14	1.6
80	88.9	-	190	16	150	42	102	3.2	8	10	128	3	4	18	2.72
100	-	106	210	16	170	45	122	3.6	8	10	148	3	4	18	3.2
	114.3	-	210	16	170	45	130	3.6	8	10	148	3	4	18	3.22
125	-	133	240	18	200	48	148	4	8	10	178	3	8	18	4.58
	139.7	-	240	18	200	48	155	4	8	10	178	3	8	18	4.42
150	-	159	265	18	225	48	172	4.5	10	12	202	3	8	18	5.26
	166.3	-	265	18	225	48	184	4.5	10	12	202	3	8	18	5.04
200	219.1	-	320	20	280	55	236	5.9	10	15	258	3	8	18	7.95
250	-	267	375	22	335	60	282	6.3	12	15	312	3	12	18	11.16
	273	-	375	22	335	60	290	6.3	12	16	312	3	12	18	10.57
300	323.9	-	440	22	395	62	342	7.1	12	15	365	4	12	22	14.26
350	355.6	-	490	22	445	62	385	7.1	12	15	415	4	12	22	18.56
	-	368	490	22	445	62	385	7.1	12	15	415	4	12	22	16.76
400	406.4	-	540	22	495	65	438	7.1	12	15	465	4	16	22	21.25
	-	419	540	22	495	65	438	7.1	12	15	465	4	16	22	19.1

Welding Neck Flange PN2.5



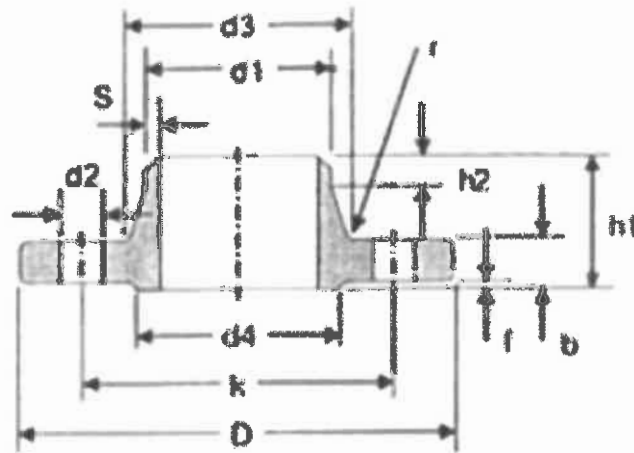
DN	ISO	DIN	D	b	k	h1	D3	S	r	h2	d4	f	No. of Holes	d2	KG
500	506	-	645	24	600	68	538	7.1	12	15	570	4	20	22	23.57
600	610	-	755	24	705	70	640	7.1	12	16	670	5	20	26	34.5
700	711	-	660	24	810	70	740	7.1	12	16	775	5	24	26	40
800	813	-	975	24	920	70	842	7.1	12	16	880	5	24	30	48.18
900	914	-	1075	26	1020	70	942	7.1	12	16	980	5	24	30	58.1
1000	1016	-	1175	26	1120	70	1045	7.1	16	16	1080	5	25	30	63.41
1200	1220	-	1375	26	1320	70	1245	7	16	16	1280	5	32	30	72.82
1400	1420	-	1575	26	1520	70	1445	7	16	16	1480	5	36	30	84.5
1600	1620	-	1790	26	1730	80	1645	8	16	20	1680	5	40	30	111.57
1800	1820	-	1990	26	1930	80	1845	9	16	20	1890	5	44	30	128.41
2000	2020	-	2190	26	2130	80	2045	10	18	22	2090	5	48	30	145
2200	2220	-	2405	28	2340	90	2248	10	18	25	2295	6	52	33	184.1
2400	2420	-	2605	28	2540	90	2448	10	18	25	2495	6	56	32	200.47
2600	2620	-	2805	28	2740	90	2648	10	18	25	2695	6	60	33	216
2800	2820	-	3030	30	2960	90	2848	10	18	25	2910	6	64	36	268.05
3000	3020	-	3230	30	3160	90	3050	10	18	25	3110	6	66	36	285
3200	3220	-	3430	30	3350	90	3250	10	20	25	3310	6	72	36	306.75
3400	3420	-	3630	32	3560	95	3450	10	20	28	3510	6	76	36	346.71
3600	3620	-	3340	32	3770	100	3652	10	20	28	3720	6	80	36	305.71
3800	3820	-	4045	34	3970	100	3852	10	20	28	3920	6	80	-	-
4000	4020	-	4245	34	4170	100	4052	10	20	28	4120	6	84	-	-

Welding Neck Flange PN6



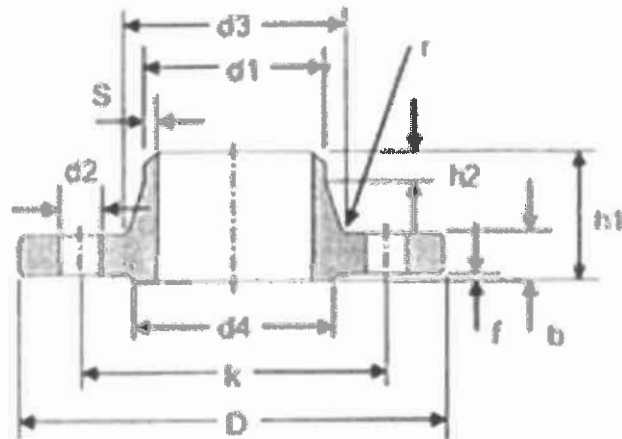
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	75	12	50	28	22	1.8	4	6	35	2	4	11	0.34
	17.2	-	75	12	50	28	26	1.8	4	6	35	2	4	11	0.34
15	-	20	80	12	55	30	28	2	4	6	40	2	4	11	0.39
	21.3	-	80	12	55	30	30	2	4	6	40	2	4	11	0.4
20	-	25	90	14	65	32	35	2.3	4	6	50	2	4	11	0.6
	26.9	-	90	14	65	32	38	2.3	4	6	50	2	4	11	0.6
25	-	30	100	14	75	35	40	2.6	4	6	60	2	4	11	0.76
	33.7	-	100	14	75	35	42	2.6	4	6	60	2	4	11	0.75
32	-	38	120	14	90	35	50	2.6	6	6	70	2	4	14	1.07
	42.4	-	120	14	90	35	55	2.6	6	6	70	2	4	14	1.06
40	-	44.5	130	14	100	38	58	2.6	6	7	80	3	4	14	1.21
	46.3	-	130	14	100	38	62	2.6	6	7	80	3	4	14	1.2
50	-	57	140	14	110	38	70	2.9	6	8	90	3	4	14	1.37
	60.3	-	140	14	110	38	74	2.9	6	8	90	3	4	14	1.36
65	76.1	-	160	14	130	38	88	2.9	6	9	110	3	4	14	1.69
80	88.9	-	190	16	150	42	102	3.2	8	10	128	3	4	18	2.72
100	-	108	210	16	170	45	122	3.6	8	10	148	3	4	18	3.29
	114.3	-	210	16	170	45	130	3.6	8	10	148	3	4	18	3.22
125	-	133	240	18	200	48	148	4	8	10	178	3	8	18	4.58
	139.7	-	240	18	200	48	155	4	8	10	178	3	8	18	4.42
150	-	159	265	18	225	48	172	4.5	10	12	202	3	8	18	5.26
	158.3	-	265	18	225	48	184	4.5	10	12	202	3	8	18	5.04
200	219.1	-	320	20	280	55	236	5.9	10	15	258	3	8	18	7.95
250	-	267	375	22	335	60	282	6.3	12	15	312	3	12	18	11.16
	273	-	375	22	335	60	290	6.3	12	15	312	3	12	18	10.87
300	323.9	-	440	22	395	62	342	7.1	12	15	365	4	12	22	14.26
350	355.6	-	490	22	445	62	385	7.1	12	15	415	4	12	22	18.54
	-	368	490	22	445	62	385	7.1	12	15	415	4	12	22	16.78
400	406.6	-	540	22	495	65	438	7.1	12	15	465	4	16	22	21.25
	-	419	540	22	495	65	438	7.1	12	15	465	4	16	22	19.1

Welding Neck Flange PN6



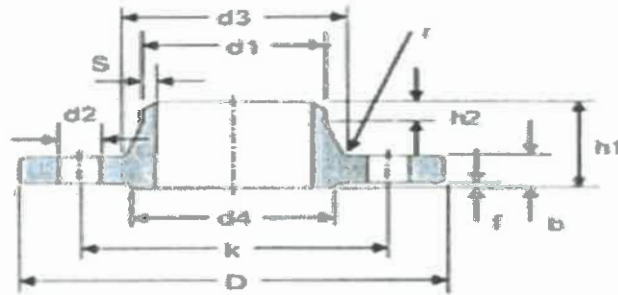
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
500	508	-	645	24	600	68	538	7.1	12	15	570	4	20	22	28.67
600	610	-	755	24	705	70	640	7.1	12	16	670	5	20	26	34.8
700	711	-	860	24	810	70	740	7.1	12	16	775	5	24	26	40.94
800	813	-	975	24	920	70	842	7.1	12	16	880	5	24	30	49.19
900	914	-	1075	26	1020	70	942	7.1	12	16	980	5	24	30	58.1
1000	1016	-	1175	26	1120	70	1045	7.1	16	16	1080	5	28	30	63.48
1200	1220	-	1405	28	1340	90	1248	8	16	20	1295	5	32	33	100.17
1400	1420	-	1630	32	1560	90	1452	8	16	20	1510	5	36	36	142.78
1600	1620	-	1830	34	1760	90	1655	9	16	20	1710	5	40	36	174.36
1800	1820	-	2045	36	1970	100	1855	10	16	20	1920	5	44	39	226.98
2000	2020	-	2265	38	2180	110	2058	11	16	25	2125	5	48	42	292.12
2200	2220	-	2475	42	2390	115	2260	12	18	25	2335	6	52	42	366.33
2400	2420	-	2685	44	2600	125	2462	13	18	25	2545	6	56	42	448.52
2600	2620	-	2905	46	2810	130	2665	14	18	25	2750	6	60	48	540.16
2800	2820	-	3115	48	3020	135	2865	15	18	30	2960	6	64	48	630.03
3000	3020	-	3315	50	3220	140	3068	16	18	30	3160	6	68	48	716.33
3200	3220	-	3525	54	3430	150	3272	16	20	30	3370	6	72	48	854.42
3400	3420	-	3735	46	3640	160	3475	18	20	35	3580	6	76	48	887.81
3600	3620	-	3970	60	3860	165	3678	18	20	35	3790	6	80	56	1202.43

Welding Neck Flange PN10



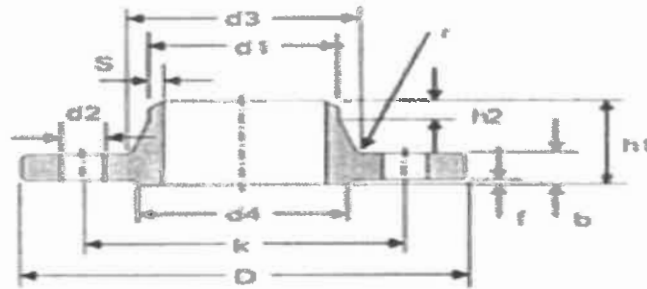
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	14	60	35	25	1.8	4	6	40	2	4	14	0.58
	17.2	-	90	14	60	35	28	1.8	4	6	40	2	4	14	0.58
15	-	20	95	14	65	35	30	2	4	6	45	2	4	14	0.65
	21.3	-	95	14	65	35	32	2	4	6	45	2	4	14	0.65
20	-	25	105	16	75	38	38	2.3	4	6	58	2	4	14	0.95
	26.9	-	105	16	75	38	40	2.3	4	6	58	2	4	14	0.95
25	-	30	115	16	85	38	42	2.6	4	6	68	2	4	14	1.15
	33.7	-	115	16	85	38	45	2.6	4	6	68	2	4	14	1.14
32	-	38	140	16	100	40	52	2.6	6	6	78	2	4	18	1.67
	42.4	-	140	16	100	40	55	2.6	6	6	78	2	4	18	1.65
40	-	44.5	150	16	110	42	60	2.6	6	7	88	3	4	18	1.85
	48.3	-	150	16	110	42	64	2.6	6	7	88	3	4	18	1.83
50	-	57	165	18	125	45	72	2.9	6	8	102	3	4	18	2.51
	60.3	-	165	18	125	45	75	2.9	6	8	102	3	4	18	2.48
65	76.1	-	165	18	145	45	90	2.9	6	10	122	3	4	18	3.03
80	88.9	-	200	20	160	50	105	3.2	6	10	138	3	8	18	3.82
100	-	108	220	20	180	52	125	3.6	8	12	158	3	8	18	4.54
	114.3	-	220	20	180	52	131	3.6	8	12	158	3	8	18	4.41
125	-	133	250	22	210	55	150	4	8	12	188	3	8	18	6.28
	139.7	-	250	22	210	55	156	4	8	12	188	3	8	18	6.07
150	-	159	285	22	240	55	175	4.5	10	12	212	3	8	22	7.75
	168.3	-	285	22	240	55	184	4.5	10	12	212	3	8	22	7.40
200	219.1	-	340	24	295	62	235	5.9	10	16	268	3	8	22	11.10
250	-	267	395	26	350	68	285	6.3	12	16	320	3	12	22	15.31
	273	-	395	26	350	68	292	6.3	12	16	320	3	12	22	14.92
300	323.9	-	445	26	400	68	344	7.1	12	16	370	4	12	22	17.47
350	355.6	-	505	26	460	66	385	7.1	12	16	430	4	16	22	23.7
	-	368	505	26	460	68	385	7.1	12	16	430	4	16	22	21.71
400	406.4	-	565	26	515	72	440	7.1	12	16	482	4	16	26	28.72
	-	419	565	26	515	72	440	7.1	12	16	482	4	16	26	26.27

Welding Neck Flange PN10



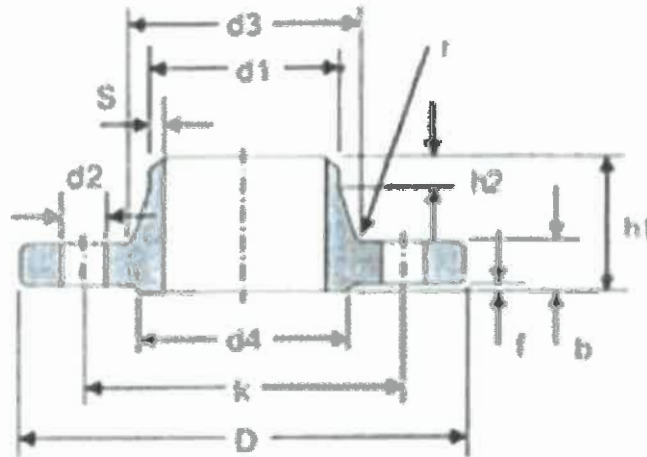
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
450	457.2	-	615	26	565	72	478	7.1	12	16	532	4	20	26	30.40
500	508	-	670	28	620	75	542	7.1	12	16	585	4	20	26	38.27
600	610	-	780	28	725	80	642	7.1	12	18	685	5	20	30	46.56
700	711	-	895	30	840	80	745	8	12	18	800	5	24	30	62.30
800	813	-	1015	32	950	90	850	8	12	18	905	5	24	33	83.81
900	914	-	1115	34	1050	95	950	10	12	20	1005	5	28	33	102.45
1000	1016	-	1230	34	1160	95	1052	10	16	20	1110	5	28	36	118.53
1200	1220	-	1455	36	1380	115	1255	11	16	25	1330	5	32	39	178.18
1400	1420	-	1675	42	1590	120	1460	12	16	25	1535	5	36	42	244.75
1600	1620	-	1915	46	1820	130	1665	14	16	25	1760	5	40	48	353.74
1800	1820	-	2115	50	2020	140	1868	15	16	30	1960	5	44	48	436.33
2000	2020	-	2325	54	2230	150	2072	16	16	30	2170	5	46	48	548.04
2200	2220	-	2550	58	2440	160	2275	18	18	35	2370	5	52	56	685.10
2400	2420	-	2760	62	2650	170	2478	20	18	35	2570	5	56	56	640.04
2600	2620	-	2860	66	2850	180	2690	22	18	40	2780	6	60	56	990.16
2800	2820	-	3180	70	3070	190	2882	22	18	40	3000	6	64	56	1187.16
3000	3020	-	3405	75	3290	200	3085	24	18	45	3210	6	65	62	1437.06

Welding Neck Flange PN16



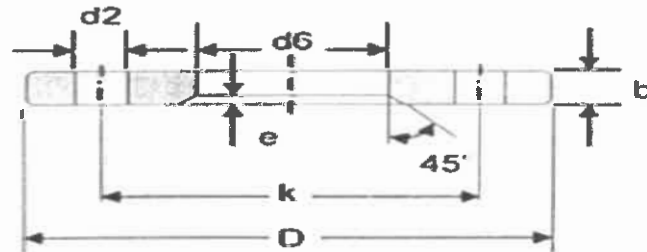
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	14	60	35	25	1.8	4	6	40	2	4	14	0.58
	17.2	-	90	14	60	35	28	1.8	4	6	40	2	4	14	0.58
15	-	20	95	14	65	35	30	2	4	6	45	2	4	14	0.65
	21.3	-	95	14	65	35	32	2	4	6	45	2	4	14	0.65
20	-	25	105	16	75	38	38	2.3	4	6	58	2	4	14	0.95
	26.9	-	105	16	75	38	40	2.3	4	6	58	2	4	14	0.95
25	-	30	115	16	85	38	42	2.6	4	6	68	2	4	14	1.15
	33.7	-	115	16	85	38	45	2.6	4	6	68	2	4	14	1.14
32	-	38	140	16	100	40	52	2.6	6	6	78	2	4	18	1.67
	42.4	-	140	16	100	40	56	2.6	6	6	78	2	4	18	1.65
40	-	44.5	150	16	110	42	60	2.6	6	7	88	3	4	18	1.85
	48.3	-	150	16	110	42	64	2.6	6	7	88	3	4	18	1.83
50	-	57	165	18	125	45	72	2.9	6	8	102	3	4	18	2.51
	60.3	-	165	18	125	45	75	2.9	6	8	102	3	4	18	2.48
65	76.1	-	185	18	145	45	90	2.9	6	10	122	3	4	18	3.03
80	88.9	-	200	20	160	50	105	3.2	8	10	138	3	8	18	3.82
100	-	108	220	20	180	52	125	3.6	8	12	158	3	8	18	4.54
	114.3	-	220	20	180	52	131	3.6	8	12	158	3	8	18	4.41
125	-	133	250	22	210	55	150	4	8	12	188	3	8	18	6.28
	139.7	-	250	22	210	55	156	4	8	12	188	3	8	18	6.07
150	-	159	285	22	240	55	175	4.5	10	12	212	3	8	22	7.75
	168.3	-	285	22	240	55	184	4.5	10	12	212	3	8	22	7.4
175	193.7	-	315	24	270	60	210	5.4	10	12	242	3	8	22	9.86
200	219.1	-	340	24	295	62	235	5.9	10	16	268	3	12	22	10.85

Welding Neck Flange PN16



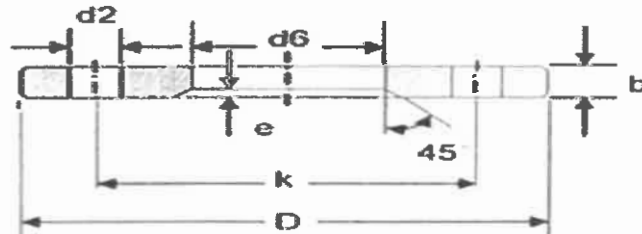
DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
250	-	267	405	26	355	70	285	6.3	12	16	320	3	12	26	16.26
	273	-	405	26	355	70	292	6.3	12	16	320	3	12	26	15.87
300	323.9	-	460	28	410	78	344	7.1	12	16	378	4	12	26	21.24
350	355.6	-	520	30	470	82	390	8	12	16	438	4	16	26	31.38
	-	368	520	30	470	82	390	8	12	16	438	4	16	26	28.95
400	406.4	-	580	32	525	85	445	8	12	16	490	4	16	30	39.3
	-	419	580	32	525	85	445	8	12	16	490	4	16	30	36.3
500	508	-	715	34	650	90	548	8	12	16	610	4	20	33	59.63
600	610	-	840	36	770	95	652	8.8	12	18	725	5	20	36	82.54
700	711	-	910	36	840	100	755	8.8	12	18	795	5	24	36	83.9
800	813	-	1025	38	950	105	855	10	12	20	900	5	24	39	107.3
900	914	-	1125	40	1050	110	955	10	12	20	1000	5	28	39	124.97
1000	1016	-	1255	42	1170	120	1058	10	16	22	1115	5	28	42	163.76
1200	1220	-	1485	48	1390	130	1262	12.5	16	30	1330	5	32	48	244.15
1400	1420	-	1685	52	1590	145	1465	14.2	16	30	1530	5	36	48	320.87
1600	1620	-	1930	58	1820	160	1668	16	16	35	1750	5	40	56	465.83
1800	1820	-	2130	62	2020	170	1870	17.5	16	35	1950	5	44	56	570.52
2000	2020	-	2345	66	2230	180	2072	20	16	40	2150	5	48	62	706.74

Lapped (Lapped Joint) Flange, Plain Collar PN6



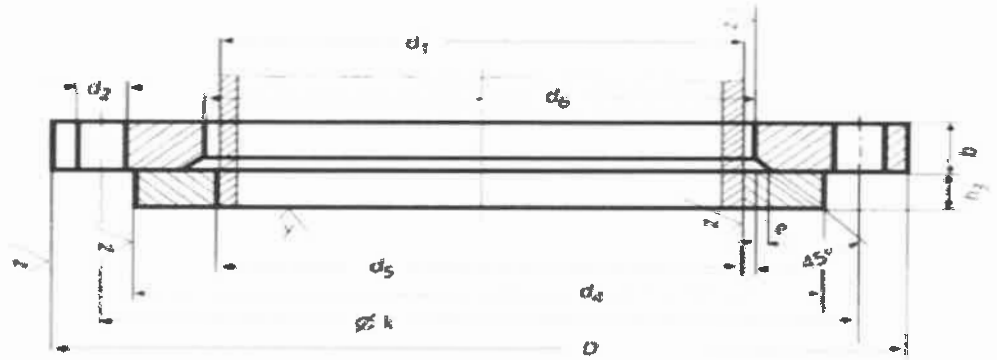
DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	75	16	10	50	2	4	11	0.3
	17.2	-	75	19	10	50	2	4	11	0.29
15	-	20	80	22	10	55	2	4	11	0.33
	21.3	-	80	24	10	55	2	4	11	0.33
20	-	25	90	28	10	65	2	4	11	0.42
	26.9	-	90	30	10	65	2	4	11	0.41
25	-	30	100	33	12	75	3	4	11	0.62
	33.7	-	100	36	12	75	3	4	11	0.61
32	-	38	120	42	12	90	3	4	14	0.88
	42.4	-	120	46	12	90	3	4	14	0.85
40	-	44.5	130	50	12	100	3	4	14	1.01
	48.3	-	130	54	12	100	3	4	14	0.98
50	-	57	140	62	12	110	3	4	14	1.11
	60.3	-	140	65	12	110	3	4	14	1.08
65	76.1	-	160	81	12	130	3	4	14	1.35
	88.9	-	190	94	14	150	3	4	18	2.24
100	-	108	210	113	14	170	3	4	18	2.59
	114.3	-	210	119	14	170	3	4	18	2.47
125	-	133	240	138	14	200	3	8	18	3.1
	139.7	-	240	145	14	200	3	8	18	2.93
150	-	159	265	164	14	225	3	8	18	3.52
	168.3	-	265	173	14	225	3	8	18	3.25
200	219.1	-	320	225	16	280	3	8	18	4.85
250	-	267	375	273	20	335	3	12	18	7.67
	273	-	375	279	20	335	3	12	18	7.26
300	323.9	-	440	329	24	395	4	12	22	11.77
350	355.6	-	490	362	26	445	4	12	22	16.55
	-	368	490	374	26	445	4	12	22	15.13
400	406.4	-	540	413	28	495	4	16	22	19.56
	-	419	540	426	28	495	4	16	22	17.67
500	508	-	645	517	32	600	4	20	22	27.43
600	610	-	755	618	36	705	4	20	26	38.75
700	711	-	860	721	40	810	4	24	26	50.19
800	813	-	975	824	44	920	4	24	30	67.83
900	914	-	1075	926	48	1020	4	24	30	81.84
1000	1016	-	1175	1028	52	1120	4	28	30	95.74
1200	1220	-	1405	1232	60	1340	5	32	33	155.87

Lapped (Lapped Joint) Flange, Plain Collar



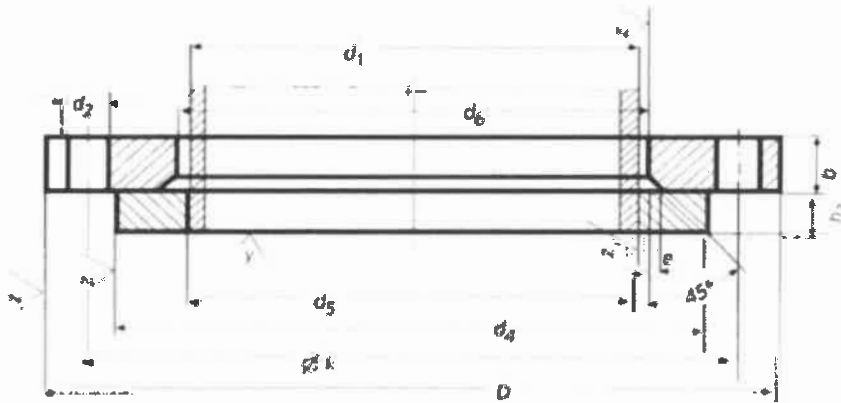
DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	90	16	14	60	3	4	14	0.61
	17.2	-	90	19	14	60	3	4	14	0.60
15	-	20	95	22	14	65	3	4	14	0.67
	21.3	-	95	24	14	65	3	4	14	0.66
20	-	25	105	28	14	75	3	4	14	0.82
	26.9	-	105	30	14	75	3	4	14	0.81
25	-	30	115	33	16	85	4	4	14	1.12
	33.7	-	115	36	16	85	4	4	14	1.10
32	-	38	140	42	16	100	4	4	18	1.63
	42.4	-	140	46	16	100	4	4	18	1.60
40	-	44.5	150	50	16	110	4	4	18	1.85
	48.3	-	150	54	16	110	4	4	18	1.80
50	-	57	165	62	16	125	5	4	18	2.18
	60.3	-	165	65	16	125	5	4	18	2.14
65	76.1	-	185	81	16	145	5	4	18	2.60
80	88.9	-	200	94	18	160	5	8	18	3.17
100	-	108	220	113	18	180	5	8	18	3.67
	114.3	-	220	119	18	180	5	8	18	3.51
125	-	133	250	138	18	210	5	8	18	4.53
	139.7	-	250	145	18	210	5	8	18	4.32
150	-	159	285	164	18	240	5	8	22	5.60
	168.3	-	285	173	18	240	5	8	22	5.26
200	219.1	-	340	225	20	295	5	8	22	7.53
250	-	267	395	273	22	350	5	12	22	10.27
	273	-	395	279	22	350	5	12	22	9.82
300	323.9	-	445	329	26	400	5	12	22	13.46
350	355.6	-	505	362	28	460	6	16	22	20.07
	-	368	505	374	28	460	6	16	22	18.54
400	406.4	-	565	413	32	515	6	16	26	27.19
	-	419	565	426	32	515	6	16	26	25.04
500	508	-	670	517	38	620	6	20	26	39.38
600	610	-	780	618	44	725	7	20	30	56.55
700	711	-	895	721	50	840	7	24	30	80.02
800	813	-	1015	824	56	950	7	24	33	112.25
900	914	-	1115	926	62	1050	7	28	33	135.80
1000	1016	-	1230	1026	70	1160	7	28	36	182.96

Loose Flange And Ring For Welding P



DN	d1		D	d6	b	k	e	No. of holes	Thread					KG	
	ISO	DIN												Flange	Ring
10	-	14	75	16	10	50	5	4	M10	11	35	14.5	8	0.298	0.051
	17.2	-	75	19	10	50	5	4	M10	11	35	17.7	8	0.298	0.051
15	-	20	80	22	10	55	5	4	M10	11	40	21	8	0.337	0.063
	21.3	-	80	24	10	55	5	4	M10	11	40	22	8	0.337	0.063
20	-	25	90	28	10	65	5	4	M10	11	50	26	10	0.418	0.116
	26.9	-	90	30	10	65	5	4	M10	11	50	27.6	10	0.418	0.116
25	-	30	100	33	12	75	6	4	M10	11	60	31	10	0.620	0.166
	33.7	-	100	36	12	75	6	4	M10	11	60	34.4	10	0.620	0.166
32	-	38	120	42	12	90	6	4	M12	14	70	39	10	0.874	0.213
	42.4	-	120	46	12	90	6	4	M12	14	70	43.1	10	0.874	0.213
40	-	44.5	130	50	12	100	6	4	M12	14	80	45.5	10	1.010	0.273
	48.3	-	130	54	12	100	6	4	M12	14	80	49	10	1.010	0.273
50	-	57	140	62	12	110	6	4	M12	14	90	58.1	12	1.120	0.359
	60.3	-	140	65	12	110	6	4	M12	14	90	61.1	12	1.120	0.359
65	76.1	-	160	81	12	130	6	4	M12	14	110	77.1	12	1.350	0.468
80	88.9	-	190	94	14	150	6	4	M16	18	128	90.3	14	2.240	0.730
100	-	108	210	113	14	170	6	4	M16	18	148	109.6	14	2.590	0.884
	114.3	-	210	119	14	170	6	4	M16	18	148	115.9	14	2.590	0.884
125	-	133	240	138	14	200	6	8	M16	18	178	134.8	14	3.100	1.210
	139.7	-	240	145	14	200	6	8	M16	18	178	141.6	14	3.100	1.210
150	-	159	265	164	14	225	6	8	M16	18	202	161.1	14	3.520	1.340
	168.3	-	265	173	14	225	6	8	M16	18	202	170.5	14	3.520	1.340
200	219.1	-	320	225	16	280	8	8	M16	18	258	221.8	16	4.980	2.000
250	-	267	375	273	20	335	8	8	M16	18	312	270.2	18	7.670	2.890
	273	-	375	279	20	335	8	12	M16	18	312	276.2	18	7.670	2.890
300	323.9	-	440	329	24	395	8	12	M20	22	365	327.6	18	12.30	3.560
350	355.6	-	590	362	26	445	8	12	M20	22	415	359.7	18	15.10	4.080
	-	368	590	374	26	445	8	12	M20	22	415	372.2	18	15.10	4.080
400	406.4	-	540	413	28	495	8	16	M20	22	465	411	20	17.70	4.910
	-	419	540	426	28	495	8	16	M20	22	465	423.7	20	17.70	4.910
(450	457	-	595	467	30	550	8	16	M20	22	520	462.5	20	20.40	5.700
500	508	-	645	517	32	600	8	20	M20	22	570	513.6	22	25.40	7.390

Loose Flange And Ring For Welding PN10 (Slip-on Flange And Plain Collar) And Plain Collar)

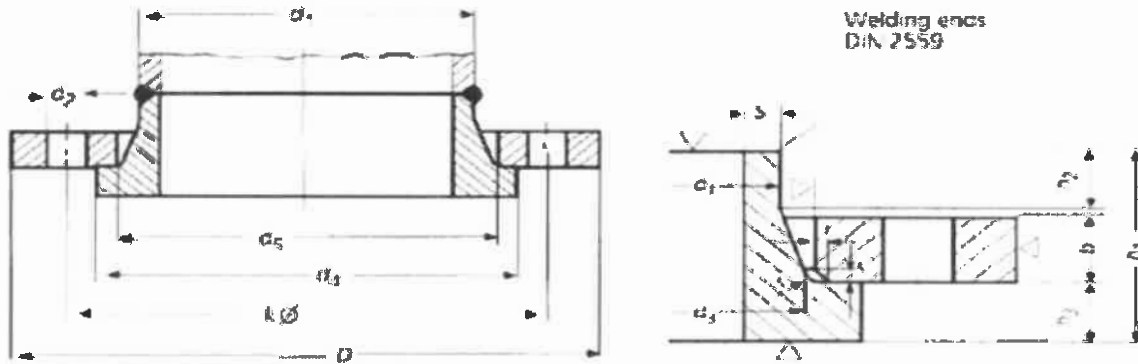


DN	d1		D	d6	b	k	e	No. of holes	Thread			No. of	d3	KG	
	ISO	DIN												Flange	Ring
10	-	14	90	16	14	60	5	4	M12	14	40	14.5	10	0.599	0.087
	17.2	-	90	19	14	60	5	4	M12	14	40	17.7	10	0.599	0.087
15	-	20	95	22	14	65	5	4	M12	14	45	21	10	0.689	0.105
	21.3	-	95	24	14	65	5	4	M12	14	45	22	10	0.689	0.105
20	-	25	105	28	14	75	5	4	M12	14	58	26	12	0.806	0.203
	26.9	-	105	30	14	75	5	4	M12	14	58	27.6	12	0.806	0.203
25	-	30	115	33	16	85	6	4	M12	14	68	31	12	0.110	0.276
	33.7	-	115	36	16	85	6	4	M12	14	68	34.4	12	0.110	0.276
32	-	38	140	42	16	100	6	4	M16	18	78	39	12	1.640	0.343
	42.4	-	140	46	16	100	6	4	M16	18	78	43.1	12	1.640	0.343
40	-	44.5	150	50	16	110	6	4	M16	18	88	45.5	12	1.860	0.426
	48.3	-	150	54	16	110	6	4	M16	18	88	49	12	1.860	0.426
50	-	57	165	62	16	125	6	4	M16	18	102	58.1	14	2.200	0.618
	60.3	-	165	65	16	125	6	4	M16	18	102	61.1	14	2.200	0.618
65	76.1	-	185	81	16	145	6	4	M16	18	122	77.1	14	2.620	0.786
80	88.9	-	200	94	18	160	6	4	M16	18	138	90.3	16	3.320	1.100
100	-	108	220	113	18	180	6	4	M16	18	158	109.6	16	3.670	1.310
	114.3	-	220	119	18	180	6	4	M16	18	158	115.9	16	3.670	1.310
125	-	133	250	138	18	210	6	8	M16	18	188	134.8	18	4.540	1.960
	139.7	-	250	145	18	210	6	8	M16	18	188	141.6	18	4.540	1.960
150	-	159	285	164	18	240	6	8	M20	22	212	161.1	18	5.600	2.180
	168.3	-	285	173	18	240	6	8	M20	22	212	170.5	18	5.600	2.180
200	219.1	-	340	225	20	295	8	8	M20	22	268	221.8	20	7.460	3.100
250	-	267	395	273	22	350	8	8	M20	22	320	270.2	22	10.30	4.220
	273	-	395	279	22	350	8	12	M20	22	320	276.2	22	10.30	4.220
300	323.9	-	445	329	26	400	8	12	M20	22	370	327.6	22	14.00	4.850
350	355.6	-	505	362	28	460	8	12	M20	22	430	359.7	22	18.50	6.710
	-	368	505	374	28	460	8	12	M20	22	430	372.2	22	18.50	6.710
400	406.4	-	565	413	32	515	8	16	M24	26	482	411	24	25.00	8.280
	-	419	565	426	32	515	8	16	M24	26	482	423.7	24	25.00	8.280
(450)	457	-	615	467	38	565	8	16	M24	26	532	462.5	24	30.60	9.300
500	508	-	670	517	38	620	8	20	M24	26	585	513.6	26	37.00	11.50

KOFCO

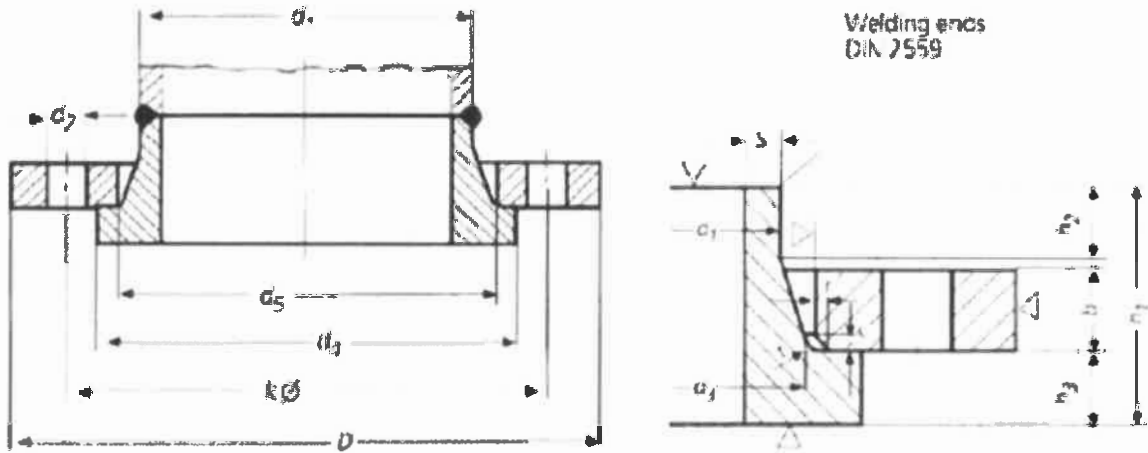
	ISO	DIN						holes		
10	-	14	90	16	16	60	5	4	14	0.7
	17.2	-	90	19	16	60	5	4	14	0.69
15	-	20	95	22	16	65	5	4	14	0.77
	21.3	-	95	24	16	65	5	4	14	0.76
20	-	25	105	28	16	75	5	4	14	0.93
	26.9	-	105	30	16	75	5	4	14	0.92
25	-	30	115	33	18	85	6	4	14	1.26
	33.7	-	115	36	18	85	6	4	14	1.24
32	-	38	140	42	18	100	6	4	18	1.84
	42.4	-	140	46	18	100	6	4	18	1.8
40	-	44.5	150	50	18	110	6	4	18	2.08
	48.3	-	150	54	18	110	6	4	18	2.03
50	-	57	165	62	20	125	6	4	18	2.72
	60.3	-	165	65	20	125	6	4	18	2.68
65	76.1	-	185	81	20	145	6	8	18	3.09
80	88.9	-	200	94	22	160	6	8	18	3.88
100	-	108	235	113	22	190	6	8	22	5.23
	114.3	-	235	119	22	190	6	8	22	5.04
125	-	133	270	138	24	220	6	8	26	7.17
	139.3	-	270	145	24	220	6	8	26	6.88
150	-	159	300	164	24	250	6	8	26	8.54
	166.3	-	300	173	24	250	6	8	26	8.08
200	219.1	-	360	225	26	310	8	12	26	11.36
250	-	267	425	273	30	370	8	12	30	17.63
	273	-	425	279	30	370	8	12	30	17.01
300	323.9	-	485	329	34	430	8	16	30	23.6
350	355.6	-	555	362	38	490	8	16	33	37.38
	-	363	555	374	38	490	8	16	33	35.31
400	406.4	-	620	413	42	550	8	16	36	50
	-	419	620	426	42	550	8	16	36	47.18
500	508	-	730	517	50	660	8	20	36	73.88

Loose Flange And Ring With Neck For Welding PN10



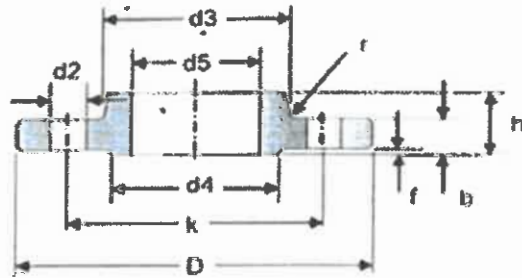
DN	d1	D	d5	b	k	No. of holes	Thread		d2	d4	h1	h3	d3	S	r	h2	KG	KG
																	Flange	Ring
10	14	90	25	14	60	4	M12	1/2"	14	40	35	10	22	1.8	2	6	0,566	0,117
	17,2	90	28	14	60	4	M12	1/2"	14	40	35	10	25	1.8	2	6	-	-
15	20	95	32	14	65	4	M12	1/2"	14	45	35	10	28	2	2	6	0,622	0,151
	21,3	95	34	14	65	4	M12	1/2"	14	45	35	10	30	2	2	6	-	-
20	25	105	38	14	75	4	M12	1/2"	14	58	40	12	35	2.3	2	6	0,747	0,273
	26,9	105	40	14	75	4	M12	1/2"	14	58	40	12	37	2.3	2	6	-	-
25	30	115	45	16	85	4	M12	1/2"	14	68	40	12	40	2.6	2	6	1,01	0,372
	33,7	115	48	16	85	4	M12	1/2"	14	68	40	12	43	2.6	2	6	-	-
32	38	140	55	16	100	4	M16	5/8"	18	78	40	12	50	2.6	2	6	1,5	0,485
	42,4	140	60	16	100	4	M16	5/8"	18	78	40	12	54	2.6	2	6	-	-
40	44,5	150	62	16	110	4	M16	5/8"	18	88	40	12	58	2.6	2	7	1,71	0,61
	48,3	150	66	16	110	4	M16	5/8"	18	88	40	12	62	2.6	2	7	-	-
50	57	165	75	16	125	4	M16	5/8"	18	102	45	14	70	2.9	2	8	2	0,888
	60,3	165	78	16	125	4	M16	5/8"	18	102	45	14	73	2.9	2	8	-	-
65	76,1	185	92	16	145	4	M16	5/8"	18	122	45	14	88	2.9	2	10	2,41	1,13
80	88,9	200	108	18	160	4	M16	5/8"	18	138	50	16	102	3.2	2	10	3	1,6
100	108	220	128	18	180	8	M16	5/8"	18	158	50	16	122	3.6	2	12	3,26	2,01
	114,3	220	135	18	180	8	M16	5/8"	18	158	50	16	128	3.6	2	12	-	-
125	133	250	152	18	210	8	M16	5/8"	18	188	50	18	148	4	3	12	4,07	2,86
	139,7	250	158	18	210	8	M16	5/8"	18	188	50	18	154	4	3	12	-	-
150	159	285	178	18	240	8	M20	3/4"	22	212	50	18	172	4.5	3	12	5,05	3,26
	168,3	285	188	18	240	8	M20	3/4"	22	212	50	18	181	4.5	3	12	-	-
200	216	340	235	20	295	8	M20	3/4"	22	268	55	20	230	5.9	3	16	6,7	5,13
	219,1	340	238	20	295	8	M20	3/4"	22	268	60	20	233	5.9	3	16	-	-
250	267	395	288	22	350	12	M20	3/4"	22	320	60	22	282	6.3	3	16	9,09	7,18
	273	395	294	22	350	12	M20	3/4"	22	320	60	22	288	6.3	3	16	-	-

Loose Flange And Ring With Neck For Welding PN10



DN	d1	D	d5	b	k	No. of	Thread	d2	d4	h1	h3	d3	S	r	h2	KG	KG
																Flange	Ring
300	318	445	338	26	400	12	M20 3/4"	22	370	60	22	332	7.1	3	16	12,5	8,5
	323,9	445	344	26	400	12	M20 3/4"	22	370	60	22	338	7.1	3	16	-	-
350	355,6	505	376	28	460	16	M20 3/4"	22	430	60	22	370	7.1	4	16	16,6	10,9
	368	505	388	28	460	16	M20 3/4"	22	430	60	22	382	7.1	4	16	-	-
400	406,4	565	430	32	515	16	M24 7/8"	26	482	65	24	426	7.1	4	16	22,4	14,2
	419	565	442	32	515	16	M24 7/8"	26	482	65	24	438	7.1	4	16	-	-
450	457	615	490	34	565	20	M24 7/8"	26	532	70	26	485	7.1	4	16	28,1	16,3
500	508	670	533	38	620	20	M24 7/8"	26	585	70	26	528	7.1	4	16	-	-
	521	670	545	38	620	20	M24 7/8"	26	585	70	26	540	7.1	4	16	32,5	19,4
600	609,6	780	633	44	725	20	M27 1"	30	685	80	26	628	7.1	4	18	-	-
	622	780	645	44	725	20	M27 1"	30	685	80	26	640	7.1	4	18	47,2	24,1
700	711,2	895	740	50	840	24	M27 1"	30	800	85	28	735	8	5	18	-	-
	720	895	748	50	840	24	M27 1"	30	800	85	28	742	8	5	18	67,6	34,4
800	812,8	1015	843	56	950	24	M30 1-1/8"	33	905	90	30	838	8	5	18	-	-
	820	1015	850	56	950	24	M30 1-1/8"	33	905	90	30	845	8	5	18	97	44,1
900	914,4	1115	947	62	1050	28	M30 1-1/8"	33	1005	95	32	940	10	5	20	-	-
	920	1115	952	62	1050	28	M30 1-1/8"	33	1005	95	32	945	10	5	20	117	54,1
1000	1016	1230	1050	68	1160	28	M33 1-1/4"	36	1110	100	34	1044	10	5	20	-	-
	1020	1230	1055	68	1160	28	M33 1-1/4"	36	1110	100	34	1048	10	5	20	152	69,2
1200						32	M36 1-3/8"	39	1330	110	38	1250	11	5	25	235	111

Hubbed Slip-on Flange For Welding PN10



DN	d1	D	d5	b	k	h	d3	r	d4	f	No. of holes	d2	KG
10	17.2	90	17.7	14	60	20	30	4	40	2	4	14	0.56
15	21.3	95	22	14	65	20	35	4	45	2	4	14	0.62
20	26.9	105	27.6	16	75	24	45	4	58	2	4	14	0.91
25	33.7	115	34.4	16	85	24	52	5	68	2	4	14	1.09
32	42.4	140	43.1	16	100	26	60	5	78	2	4	18	1.58
40	48.3	150	49	16	110	26	70	5	88	3	4	18	1.76
50	60.3	165	61.1	18	125	28	85	5	102	3	4	18	2.39
65	76.1	185	77.1	18	145	32	105	5	122	3	4	18	3.1
80	88.9	200	90.3	20	160	34	118	5	138	3	8	18	3.77
100	114.3	220	115.9	20	180	38	140	5	158	3	8	18	4.29
125	139.7	250	141.6	22	210	40	168	5	188	3	8	18	5.86
150	168.3	285	170.5	22	240	44	196	5	212	3	8	22	7.22
175	193.7	315	196.1	24	270	44	224	6	242	3	8	22	9.18
200	219.4	340	222	24	295	44	247	6	268	3	8	22	9.95
250	273	395	276	26	350	46	300	6	320	3	12	22	12.69
300	323.9	445	327	26	400	46	352	6	370	4	12	22	14.4
350	355.6	505	359	26	460	53	398	10	430	4	16	22	22.36
400	406.4	565	410	26	515	57	448	10	482	4	16	26	26.85
450	457	615	461	28	565	62	502	10	532	4	20	26	32.53
500	508	670	512	28	620	67	552	10	585	4	20	26	37.84
600	610	780	614	28	725	75	658	10	685	5	20	30	49.32
700	711	895	716	30	840	77	760	10	800	5	24	30	63.86
800	813	1015	818	32	950	84	864	10	905	5	24	33	85.19
900	914	1115	920	34	1050	88	969	10	1005	5	28	33	101.36
1000	1016	1230	1022	34	1160	92	1071	10	1110	5	28	36	119.72

Certificate



KS CERTIFICATE

This is to certify that the Korean Industrial Standard Mark(KS mark) of :

Hebei Xinyue High Pressure Flange and Pipe Fitting Co.,Ltd.
*North Round The Indistrict, Mengcun Hui National Autonomous County, Hebei
Province, China
Qingyu Zhang*

*has been approved by Korean Standards Association
to the following Korean Industrial Standard :*

KS B 1503
Steel welding pipe flanges
*Socket welding plate flanges : 10K(10A~800A) / Socket welding hub flanges : 20K(10A~600A).
end*

in accordance with the Korean Industrial Standardization Act.

Certificate Number : 15-0656

Certification Date : 30-Sep-2015

Current Certificate : 30-Sep-2015

Certified by Baek, Soo Hyun
Chairman & CEO

KOREAN STANDARDS ASSOCIATION

305, Teheran-Ro, Gangnam-Gu, Seoul, Korea



中国船级社质量认证公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION COMPANY

质量管理体系认证证书

QUALITY MANAGEMENT SYSTEM CERTIFICATE

编号: No. 15516Q20661R2M

兹证明

河北鑫越高压法兰管件有限公司

(注册/生产地址: 河北省孟村回族自治县北环工业区 邮编: 061400;

统一社会信用代码: 91130930601253361R)

(生产/经营地址: 孟村回族自治县希望新区 邮编: 061400)

This is to certify that the Quality Management System (QMS) of

**HEBEI XINYUE HIGH PRESSURE FLANGE
AND PIPE FITTING CO., LTD.**

(Registered/Production Add: NORTH ROUND INDUSTRIAL DISTRICT, MENG CUN HUI NATIONAL AUTONOMOUS COUNTY, HEBEI PROVINCE, 061400, P.R.CHINA;

Uniform Code of Social Credit: 91130930601253361R)

(Production/Operation Add: XIWANG NEW INDUSTRIAL DISTRICT, MENG CUN HUI NATIONAL AUTONOMOUS COUNTY, HEBEI PROVINCE, 061400, P.R.CHINA)

建立的质量管理体系符合标准: **ISO 9001:2008.**
has been found to conform to standard **ISO 9001:2008.**

本证书对下述范围的质量管理体系有效: *钢制锻造法兰和钢制无缝管件的生产*。
This certificate is valid to the following scope for QMS: ***PRODUCTION OF FORGED CARBON STEEL FLANGES AND SEAMLESS STEEL PIPE FITTING***.

本证书有效期至: **2019年3月25日。**

This certificate is valid until: **25 March 2019.**

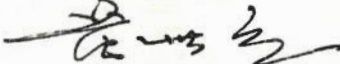
注: GB/T19001-2008/ISO9001: 2008 认证标准有效期至 2018 年 9 月 15 日。

Remarks: The certification to GB/T19001-2008/ISO9001: 2008 is valid to 15 September, 2018.



发证日期: **2016年3月18日。**

Issued on: **18 March 2016.**

总经理: 

General Manager **Huang Shiyuan**



QMS



0155

本证书根据中国船级社质量认证公司认证规范及有关程序规定签发。当本证书包括证书附件时, 则附件必须与主证书同时使用。每一页证书, 含附件, 均须有本公司盖章方为生效。任何单位或个人均不得摘录或伪造本证书的内容。有关各方对所持证书的真实性有疑问时, 可向我公司咨询。本证书信息可在国家认证认可监督管理委员会官方网站 (www.cnca.gov.cn) 上查询。

This Certificate is issued pursuant to China Classification Society Certification Company (CCSC) Rules for System Certification and related procedures. When the certificate consists of appendix(es), all the appendix(es) together with the certificate are taken as a whole and shall be used simultaneously. No certificate page is valid without bearing the stamp of CCSC. Any part of the certificate including the appendix(es) can not be extracted or abridged by any unit or individual in any form. Related parties who about the authenticity of the certificate may consult with CCSC. The information of this certificate can be inquired through the official website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).



中国船级社质量认证公司
CHINA CLASSIFICATION SOCIETY CERTIFICATION COMPANY

质量管理体系认证证书

QUALITY MANAGEMENT SYSTEM CERTIFICATE

编号: No. 00516Q20660R2M

兹证明

河北鑫越高压法兰管件有限公司

(注册/生产地址: 河北省孟村回族自治县北环工业区 邮编: 061400;

统一社会信用代码: 91130930601253361R)

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总经理:

General Manager **Huang Shiyuan**



QMS



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C005-Q

本证书按照中国船级社质量认证公司认证规则及有关规定颁发, 当本证书包括证书附件时, 附件与证书同时使用, 每一页证书(含附件)均须有本公司盖章方可生效, 任何单位或个人不得擅自复制或节选本证书的内容。有关各方对所持证书的真实性有疑问时, 可以向我公司咨询。本证书信息可在国家认证认可监督管理委员会官方网站(www.cnca.gov.cn)上查询。

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Marine & Offshore
Division

Certificate number: SMS.W.II./108816/A.0

www.veristar.com

RECOGNITION FOR BV MODE II SCHEME

Hebei Xinyue High Pressure Flange And Pipe Fitting Co.,LTD.
HEBEI - CHINA

Summary of the range of the recognition which is detailed in the subsequent page(s):

FLANGE - G0230

FORGING - G0247

PIPE / TUBE AND FITTINGS - G0479

This certificate is issued to attest that BUREAU VERITAS has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the manufacturing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 08 Dec 2020

For BUREAU VERITAS,

At BV SHANGHAI, on 14 Dec 2016,

Jennifer Zhang



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfRecognition.jsp?id=nnnbj3po7f>

BV Mod. Ad.E 697 Jun. 2015

This certificate consists of 2 page(s)

Certificate of Compliance



No. 1N181212.HXHQB89

Certificate's Holder: Hebei Xinyue High Pressure Flange Co., Ltd.
 North round Industrial District, Mengcun Hui National Autonomous County, Hebei Province, China.

Certification ECM Mark:



Product: Pipe Fittings, Forged Flanges
QA Module: Annex 1 Section 4.3

Verification to: Standard:
 EN 10025-2: S235JR, EN 10222: P245GH, EN 10273: P250GH,
 DIN 17100: RST37.2, DIN 17243: C22.8, ASTM A105N: A105,
 DIN 1629: ST37.0, ASTM A234WPB: WPB, ASTM A312, ASTM A106,
 ASTM A240, DIN 2573, DIN 2576, DIN2502, DIN 2503, DIN 2527,
 DIN 2631, DIN 2632, DIN 2633, DIN 2634, DIN 2635, DIN 2636,
 DIN 2637, BS4504, BS10, ASME SA 350, ASME SA182,
 ASME SA694, ASME SA266, EN 10028-3, ASME B16.9, EN 10253-2,
 EN 10253-4, ASME B16.11, EN 10210, EN 10216, ASME B16.5,
 ASME B16.36, EN 1092-1, EN 1759-1: P280GH

related to CE Directive(s):
 2014/68/EU (Pressure Equipment)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it.

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the CE Marking:



We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE Marking Certification Procedure through an appointed Notified Body and the perform all the necessary activities, as required by the Directive and accepted by the Notified Body, before placing the CE Mark on the product(s).

Date of issue 12 December 2018

Expiry date 11 December 2023

Chief Manager
 Maria Morina

Deputy Manager
 Amanda Payne

Entecertificazione Macchine Srl

Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY
 ☎ +39 051 6705141 📠 +39 051 6705156 🌐 info@entecerma.it 🌐 www.entecerma.it

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

The products corresponding to the categories listed in the table below are to be certified individually or per batch by Bureau Veritas in compliance with the applicable requirements (IBV products as defined in NR320).

Generic product	Description
FLANGE	Material:carbon,carbon-manganese, low-alloy steel and stainless steel
FORGING	Steel forged flanges; Material:carbon,carbon-manganese and low-alloy steel;Specification: DN15~DN600; Max. weight of forging: 3 tons
PIPE / TUBE AND FITTINGS	butt-welding seamless pipe fittings

2. LIMITATIONS

The certificates listed in the range of recognition are to be valid, as applicable.

Bureau Veritas is to be informed immediately of any modification to manufacturing facilities and associated quality procedures in order to agree on appropriate actions.

Hebei Xinyue High Pressure Flange And Pipe Fitting Co.,LTD. has to apply for the periodical audits as agreed with Bureau Veritas.

3. PERIMETER OF CERTIFICATION

Quality system of following site(s) has been assessed:

Hebei Xinyue High Pressure Flange And Pipe Fitting Co.,LTD. - HEBEI - CHINA

4. REMARKS

- 1.Address: Beihuan Industrial Zone, Mengcun County, Hebei Province, China
2. Annual Audit: 1 time/year before Dec. 08

*** END OF CERTIFICATE ***