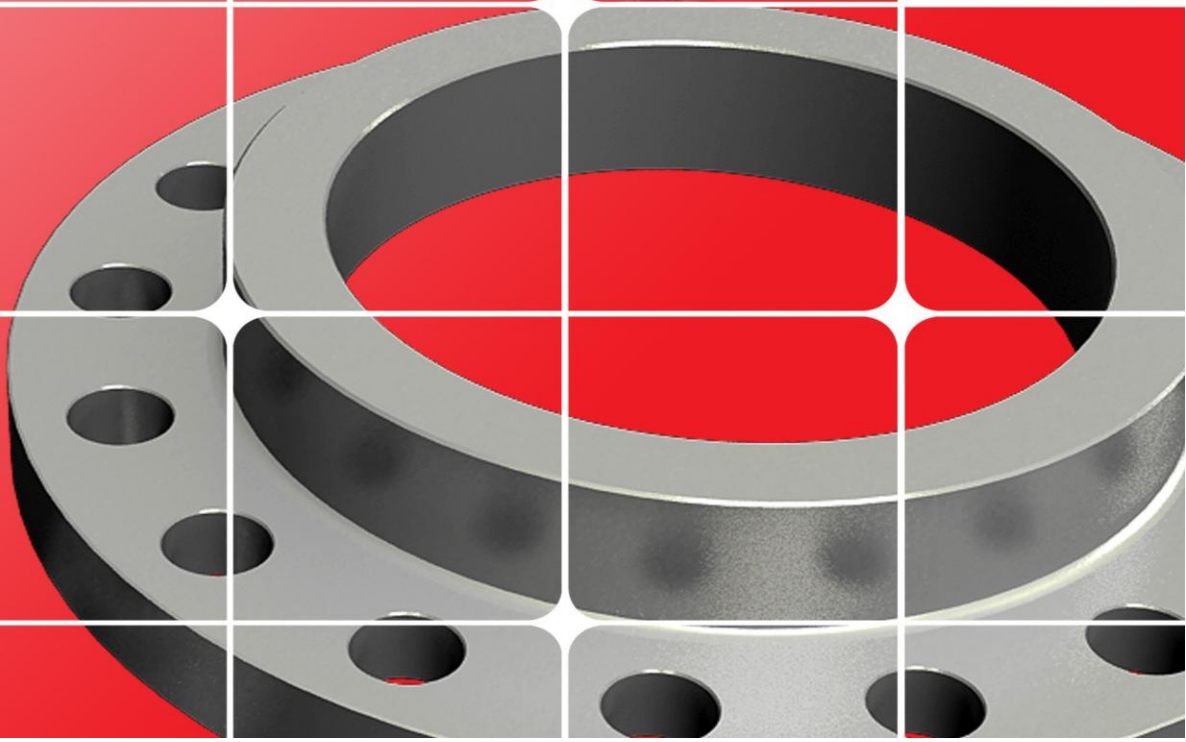
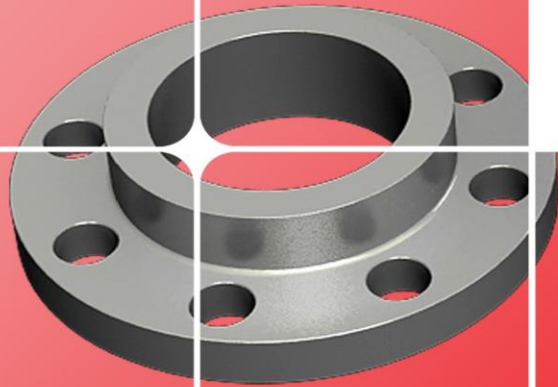


GOST FLANGES

- **W**eld Neck Flanges
 - **F**lat Flanges
 - **B**lind Flanges
-
- GOST **12820** Flat Flanges
 - GOST **12821** Weld Neck Flanges
 - GOST **12836** Blind Flanges



GOST 12820, 12821, 12836 Flanges Specifications

Flange Types	Weld Neck Flange, Flat Flange, Blind Flange
Standard	GOST 12820, GOST 12821, GOST 12836
Size	1½ " NP to NP 48" (DN 12 to 1200 mm)
Schedule	SCH 5S, SCH 10, SCH 40, SCH 80, SCH 120, SCH 160, SCH 180 To XXS
Flange Size Range	1/2" (15 NB) to 48" (1200NB) DN10~DN5000
Pressure Rating	0.6 Mpa to 100 Mpa
Coating	Anti-rust Paint, Oil Black Paint, Yellow Transparent, Zinc Plated, Cold and Hot Dip Galvanized

The GOST Standard Flanges is a stainless steel flange that can range from the DIN15 to DIN1600. The GOST Flanges is used in offshore oil industries, oil fields, natural gas industries, and water systems. GOST 12821 80 flange is in different types such as the weld neck, butt weld, blind flanges, and slip-on.

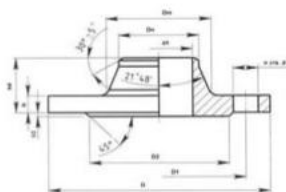
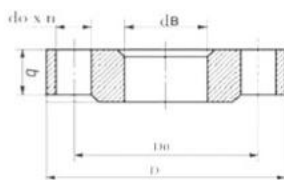
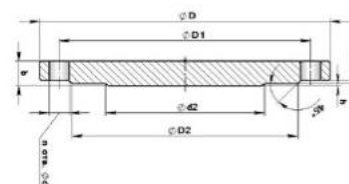
EN 1092-1 Flanges are commonly used in

- Construction
- Petrochemical
- Oilfield Industries
- Mining Industry

GOST 12820, 12821, 12836 Flanges Types

Weld Neck Flange

Flat Face Flange

Blind Flange

Weld Neck Flange

Flat Face Flange

Blind Flange
GOST 12820, 12821, 12836 Flanges Class

GOST 12820 PN6 (0.6 Mpa) Flat Flange	GOST 12820 PN10 (1.0 Mpa) Flat Flange
GOST 12820 PN16 (1.6 Mpa) Flat Flange	GOST 12820 PN25 (2.5 Mpa) Flat Flange
GOST 12821 PN10 (1.0 Mpa) Weld Neck Flange	GOST 12821 PN16 (1.6 Mpa) Weld Neck Flange
GOST 12821 PN25 (2.5 Mpa) Weld Neck Flange	GOST 12821 PN40 (4.0 Mpa) Weld Neck Flange
GOST 12821 PN63 (6.3 Mpa) Weld Neck Flange	GOST 12821 PN100 (10.0 Mpa) Weld Neck Flange
GOST 12836 PN10 (1.0 Mpa) Blind Flange	GOST 12836 PN16 (1.6 Mpa) Blind Flange
GOST 12836 PN25 (2.5 Mpa) Blind Flange	GOST 12836 PN40 (4.0 Mpa) Blind Flange

GOST 12820 PN6 (0.6 Mpa) Flat Flange Dimensions

DN	D	D1	d _B	b	d	n-Φ	kg
15	80	55	19	10	11	4	0,33
20	90	65	26	12	11	4	0,53
25	100	75	33	12	11	4	0,64
32	120	90	39	13	14	4	1,01
40	130	100	46	13	14	4	1,21

50	140	110	59	13	14	4	1,33
65	160	130	78	13	14	4	1,63
80	185	150	91	15	18	4	2,44
100	205	170	110	15	18	4	2,85
125	235	200	135	17	18	8	3,88
150	260	225	161	17	18	8	4,39
200	315	280	222	19	18	8	5,89
250	370	335	273	20	18	12	7,67
300	435	395	325	20	22	12	10,28
350	485	445	377	22	22	12	12,58
400	535	495	426	24	22	16	15,20
500	640	600	530	25	22	16	19,72
600	755	705	630	25	26	20	26,24
800	975	920	820	27	30	24	46,14
1000	1175	1120	1 020	31	30	28	64,36
1200	1400	1340	1220	34	33	32	99,03

* Dimensions are in mm.

GOST 12820 PN10 (1.0 Mpa) Flat Flange Dimensions							
DN	D	D1	dB	b	d	n- Φ	kg
15	95	65	19	10	14	4	0,51
20	105	75	26	12	14	4	0,74
25	115	85	33	12	14	4	0,89
32	135	100	39	14	18	4	1,40
40	145	110	46	15	18	4	1,71
50	160	125	59	15	18	4	2,06
65	180	145	78	17	18	4	2,80
80	195	160	91	17	18	4	3,19
100	215	180	110	19	18	8	3,96
125	245	210	135	21	18	8	5,40
150	280	240	161	21	22	8	6,62
200	335	295	222	21	22	8	8,05
250	390	350	273	23	22	12	10,65
300	440	400	325	24	22	12	12,90
350	500	460	377	24	22	16	15,85
400	565	515	426	26	26	16	21,56
500	670	620	530	28	26	20	27,70
600	780	725	630	31	30	20	39,40
800	1010	950	820	37	33	24	79,16
1000	1220	1160	1020	43	33	28	118,43
1200	1455	1380	1220	51	39	32	197,44

* Dimensions are in mm.

GOST 12820 PN16 (1.6 Mpa) Flat Flange Dimensions							
DN	D	D1	dB	b	d	n- Φ	kg
15	95	65	19	12	14	4	0,61
20	105	75	26	14	14	4	0,86
25	115	85	33	16	14	4	1,17
32	135	100	39	16	18	4	1,58
40	145	110	46	17	18	4	1,96
50	160	125	59	19	18	4	2,58
65	180	145	78	21	18	4	3,42
80	195	160	91	21	18	4	3,71
100	215	180	110	23	18	8	4,73
125	245	210	135	25	18	8	6,38

150	280	240	161	25	22	8	7,81
200	335	295	222	27	22	12	10,10
250	405	355	273	28	26	12	14,49
300	460	410	325	28	26	12	17,78
350	520	470	377	30	26	16	22,88
400	580	525	426	34	30	16	31,00
500	710	650	530	44	33	20	57,01
600	840	770	630	45	39	20	80,03
800	1 020	950	820	49	39	24	104,41
1000	1255	1170	1 020	58	45	28	179,37
1200	1485	1390	1220	71	52	32	297,78

* Dimensions are in mm.

GOST 12820 PN25 (2.5 Mpa) Flat Flange Dimensions							
DN	D	D1	db	b	d	n- ¢	kg
15	95	65	19	14	14	4	0,70
20	105	75	26	16	14	4	0,98
25	115	85	33	16	14	4	1,17
32	135	100	39	18	18	4	1,77
40	145	110	46	19	18	4	2,18
50	160	125	59	21	18	4	2,71
65	180	145	78	21	18	8	3,22
80	195	160	91	23	18	8	4,06
100	230	190	110	25	22	8	5,92
125	270	220	135	27	26	8	8,26
150	300	250	161	27	26	8	10,12
200	360	310	222	29	26	12	13,34
250	425	370	273	31	30	12	18,90
300	485	430	325	32	30	16	23,95
350	550	490	377	38	33	16	34,35
400	610	550	426	40	33	16	44,62
500	730	660	530	48	39	20	67,30
600	840	770	630	49	39	20	90,87
800	1075	990	820	63	45	24	181,43

* Dimensions are in mm.

GOST 12821 PN10 (1.0 Mpa) Weld Neck Flange dimensions										
DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	95	65	14	30	19	12	10	33	4	0,58
20	105	75	14	38	26	18	12	36	4	0,87
25	115	85	14	45	33	25	12	38	4	1,05
32	135	100	18	55	39	31	13	40	4	1,54
40	145	110	18	62	46	38	13	42	4	1,83
50	160	125	18	76	58	49	13	42	4	2,26
65	180	145	18	94	77	66	15	45	4	3,17
80	195	160	18	105	90	78	15	47	4	3,67
100	215	180	18	128	110	96	17	48	8	4,70
125	245	210	18	156	135	121	19	57	8	6,71
150	280	240	22	180	161	146	19	57	8	8,17
200	335	295	22	240	222	202	19	58	8	11,35
250	390	350	22	290	278	254	21	60	12	14,64
300	440	400	22	345	330	303	22	60	12	18,66
350	500	460	22	400	382	351	22	60	16	24,00
400	565	515	26	445	432	398	22	60	16	30,00
500	670	620	26	550	535	501	24	65	20	39,20

600	780	725	30	650	636	602	24	65	20	48,80
800	1010	950	33	850	826	792	27	75	24	87,24
1000	1220	1160	33	1050	1028	992	29	80	28	119,19
1200	1455	1380	39	1256	1228	1192	33	90	32	179,91

* Dimensions are in mm.

GOST 12821 PN16 (1.6 Mpa) Weld Neck Flange dimensions

DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	95	65	14	30	19	12	12	33	4	0,68
20	105	75	14	38	26	18	12	36	4	0,87
25	115	85	14	45	33	25	12	38	4	1,05
32	135	100	18	55	39	31	13	40	4	1,54
40	145	110	18	64	46	38	13	42	4	1,85
50	160	125	18	76	58	49	13	45	4	2,28
65	180	145	18	94	77	66	15	47	4	3,19
80	195	160	18	110	90	78	17	50	4	4,21
100	215	180	18	130	110	96	17	50	8	4,90
125	245	210	18	156	135	121	19	57	8	6,75
150	280	240	22	180	161	146	19	57	8	8,30
200	335	295	22	240	222	202	21	58	12	11,79
250	405	355	26	292	278	254	23	65	12	17,36
300	460	410	26	346	330	303	24	66	12	22,76
350	520	470	26	400	382	351	28	70	16	32,04
400	580	525	30	450	432	398	32	75	16	43,00
500	710	650	33	559	535	501	38	90	20	70,97
600	840	770	39	660	636	602	41	90	20	99,30
800	1020	950	39	850	826	792	45	95	24	130,57
1 000	1255	1170	45	1060	1 028	992	49	110	28	203,39
1200	1485	1390	52	1268	1228	1192	51	125	32	284,94

* Dimensions are in mm.

GOST 12821 PN25 (2.5 Mpa) Weld Neck Flange dimensions

DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	95	65	14	30	19	12	14	33	4	0,79
20	105	75	14	38	26	18	14	34	4	0,97
25	115	85	14	45	33	25	14	36	4	1,18
32	135	100	18	56	39	31	16	43	4	1,83
40	145	110	18	64	46	38	16	45	4	2,19
50	160	125	18	76	58	49	17	45	4	2,78
65	180	145	18	96	77	66	19	50	8	3,71
80	195	160	18	110	90	78	19	52	8	4,44
100	230	190	22	132	110	96	21	58	8	6,51
125	270	220	26	160	135	121	23	65	8	9,41
150	300	250	26	186	161	146	25	68	8	12,52
200	360	310	26	245	222	202	27	75	12	17,44
250	425	370	30	300	278	254	29	75	12	24,40
300	485	430	30	352	330	303	32	80	16	33,29
350	550	490	33	406	382	351	36	85	16	46,57
400	610	550	33	464	432	398	40	100	16	64,81
500	730	660	39	570	535	500	44	100	20	88,91
600	840	770	39	670	636	600	49	115	20	123,70
800	1075	990	45	874	826	790	55	135	24	213,90
1000	1315	1210	56	1 084	1 028	992	59	150	28	312,12
1200	1525	1420	56	1288	1228	1192	62	160	32	387,50

* Dimensions are in mm.

GOST 12821 PN40 (4.0 Mpa) Weld Neck Flange dimensions

DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	95	65	14	30	19	12	14	33	4	0,79
20	105	75	14	38	26	18	14	34	4	0,97
25	115	85	14	45	33	25	14	36	4	1,18
32	135	100	18	56	39	31	16	43	4	1,83
40	145	110	18	64	46	38	16	45	4	2,19
50	160	125	18	76	58	48	17	45	4	2,81
65	180	145	18	96	77	66	19	50	8	3,71
80	195	160	18	112	90	78	21	55	8	4,80
100	230	190	22	138	110	96	23	65	8	7,40
125	270	220	26	160	135	120	25	65	8	10,00
150	300	250	26	186	161	145	27	68	8	13,03
200	375	320	30	250	222	200	35	85	12	24,44
250	445	385	33	310	278	252	39	98	12	37,59
300	510	450	33	368	330	301	42	112	16	57,10
350	570	510	33	418	382	351	48	116	16	70,34
400	655	585	39	480	432	398	54	135	16	106,76
500	755	670	45	580	535	495	58	140	20	132,33
600	890	795	52	686	636	595	58	140	20	180,95
800	1135	1030	56	908	826	795	71	190	24	343,69
1000	1360	1250	56	1140	1028	995	77	235	28	540,75
1200	1575	1460	62	1350	1228	1195	80	250	32	690,59

* Dimensions are in mm.

GOST 12821 PN63 (6.3 Mpa) Weld Neck Flange dimensions

DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	105	75	14	38	19	12	16	46	4	1,15
20	125	90	18	48	26	18	18	54	4	1,80
25	135	100	18	52	33	25	20	56	4	2,30
32	150	110	22	64	39	31	21	60	4	2,94
40	165	125	22	74	46	37	21	65	4	3,75
50	175	135	22	86	58	47	23	67	4	4,63
65	200	160	22	106	77	64	25	72	8	6,29
80	210	170	22	120	90	77	27	72	8	7,22
100	250	200	26	140	110	94	29	77	8	10,71
125	295	240	30	172	135	118	33	95	8	17,13
150	340	280	33	206	161	142	35	105	8	24,60
200	405	345	33	264	222	198	41	110	12	36,60
250	470	400	39	316	278	246	45	115	12	50,89
300	530	460	39	370	330	294	50	120	16	68,15
350	595	525	39	430	382	342	56	140	16	98,68
400	670	585	45	484	432	386	62	155	16	135,80
500	800	705	52	594	535	485	66	165	20	192,74
600	925	820	56	704	636	585	71	180	20	269,27
800	1165	1050	62	920	826	785	85	225	24	463,87
1000	1415	1290	70	1160	1028	985	92	280	28	980,60
1200	1 665	1 530	78	1386	1 228	1185	95	315	32	1 263,72

* Dimensions are in mm.

GOST 12821 PN100 (10.0 Mpa) Weld Neck Flange dimensions

DN	D	D1	d	Dm	Dn	d1	b	h4	n- ¢	Kg
15	105	75	14	38	19	12	18	46	4	1,26
20	125	90	18	48	26	18	20	51	4	1,98
25	135	100	18	52	33	25	22	56	4	2,48

32	150	110	22	64	39	31		60	4	3,05
40	165	125	22	76	46	37	23	67	4	4,06
50	195	145	26	86	58	45	25	68	4	6,03
65	220	170	26	110	77	62	29	80	8	8,52
80	230	180	26	124	90	75	31	87	8	9,91
100	265	210	30	146	110	92	35	97	8	14,65
125	310	250	33	180	135	112	39	112	8	23,32
150	350	290	33	214	161	136	43	125	12	32,87
200	430	360	39	276	222	190	51	140	12	54,24
250	500	430	39	340	278	236	57	160	12	85,24
300	585	500	45	400	330	248	66	180	16	127,78
350	655	560	52	460	382	332	72	195	16	170,94
400	715	620	52	510	432	376	76	200	16	216,44

* Dimensions are in mm.

GOST 12836 PN10 (1.0 Mpa) Blind Flange Dimensions										
NPS	Weight per KG	D	D1	No of Holes	h	D4	b	D3	D2	h1
15	95	65	45	12	10	14	2	2	4	0.43
20	105	75	58	12	16	14	2	2	4	0.55
25	115	85	68	12	22	14	2	2	4	0.67
32	135	100	78	12	28	18	2	2	4	0.91
40	145	110	88	14	36	18	3	2	4	1.24
50	160	125	102	14	46	18	3	2	4	1.55
65	180	145	122	14	60	18	3	2	4	2.04
80	195	160	138	14	76	18	3	2	4	2.44
100	215	180	158	14	94	18	3	2	8	2.97
125	245	210	188	16	118	18	3	2	8	4.69
150	280	240	212	16	142	23	3	2	8	6.07
200	335	295	268	16	196	23	3	2	8	9.09
250	390	350	320	18	244	23	3	2	12	14.26
300	440	400	370	20	294	23	4	3	12	19.88
350	500	460	430	24	344	23	4	3	16	31.94
400	565	515	482	26	390	27	4	3	16	44.43
500	670	620	585	30	490	27	4	3	20	74.31
600	780	725	685	34	590	30	5	4	20	119.27
800	1010	950	905	42	780	33	5	4	24	242.06
1000	1220	1160	1110	50	980	33	5	4	28	429.64
1200	1455	1380	1325	55	1180	40	5	4	32	673.13

* Dimensions are in mm.

GOST 12836 PN16 (1.6 Mpa) Blind Flange Dimensions										
NPS	Weight per KG	D	D1	No of Holes	h	D4	b	D3	D2	h1
15	95	65	45	12	10	14	2	2	4	0.43
20	105	75	58	12	16	14	2	2	4	0.55
25	115	85	68	12	22	14	2	2	4	0.67
32	135	100	78	12	28	18	2	2	4	0.91
40	145	110	88	14	36	18	3	2	4	1.24
50	160	125	102	14	46	18	3	2	4	1.55
65	180	145	122	14	60	18	3	2	4	2.04
80	195	160	138	14	76	18	3	2	4	2.44
100	215	180	158	16	94	18	3	2	8	3.51
125	245	210	188	16	118	18	3	2	8	4.69
150	280	240	212	18	142	23	3	2	8	6.99
200	335	295	268	20	196	23	3	2	12	11.49
250	390	355	320	24	244	27	3	2	12	19.74
300	405	410	378	28	294	27	4	3	12	29.58

350	460	470	438	32	344	27	4	3	16	44.22
400	520	525	490	34	390	30	4	3	16	59.86
500	580	650	610	40	490	33	4	3	20	102.69
600	710	770	720	45	590	40	5	4	20	161.98
800	840	950	900	52	780	40	5	4	24	300.6
1000	1020	1170	1110	63	980	46	5	4	28	542.16
1200	1485	1390	1325	75	1180	52	5	4	32	922.18

* Dimensions are in mm.

GOST 12836 PN25 (2.5 Mpa) Blind Flange Dimensions										
NPS	Weight per KG	D	D1	No of Holes	h	D4	b	D3	D2	h1
15	95	65	45	12	10	14	2	2	4	0.43
20	105	75	58	12	16	14	2	2	4	0.55
25	115	85	68	12	22	14	2	2	4	0.67
32	135	100	78	12	28	18	2	2	4	0.91
40	145	110	88	14	36	18	3	2	4	1.24
50	160	125	102	14	46	18	3	2	4	1.55
65	180	145	122	16	60	18	3	2	8	2.29
80	195	160	138	18	76	18	3	2	8	3.21
100	230	190	162	20	94	23	3	2	8	5.07
125	270	220	188	22	118	27	3	2	8	7.83
150	300	250	218	24	142	27	3	2	8	10.95
200	360	310	278	26	196	27	3	2	12	17.51
250	425	370	335	30	244	30	3	2	12	28.93
300	485	430	390	34	294	30	4	3	16	42
350	550	490	450	38	344	33	4	3	16	61.48
400	610	550	505	40	390	33	4	3	16	81.12
500	730	660	615	48	490	40	4	3	20	140.22
600	840	770	720	50	590	40	5	4	20	194.5
800	1075	990	930	63	780	46	5	4	24	409.07

* Dimensions are in mm.

GOST 12836 PN40 (4.0Mpa) Blind Flange Dimensions										
NPS	Weight per KG	D	D1	No of Holes	h	D4	b	D3	D2	h1
15	95	65	45	16	10	14	2	2	4	0.63
20	105	75	58	16	16	14	2	2	4	0.8
25	115	85	68	16	22	14	2	2	4	0.98
32	135	100	78	16	28	18	2	2	4	1.33
40	145	110	88	16	36	18	3	2	4	1.49
50	160	125	102	18	46	18	3	2	4	2.15
65	180	145	122	20	60	18	3	2	8	3.03
80	195	160	138	22	76	18	3	2	8	4.08
100	230	190	162	24	94	23	3	2	8	6.27
125	270	220	188	28	118	27	3	2	8	10.31
150	300	250	218	30	142	27	3	2	8	14.07
200	375	320	280	38	196	30	3	2	12	28.3
250	445	385	345	45	244	33	3	2	12	48.5
300	510	450	410	48	294	33	4	3	16	66.99
350	570	510	465	50	344	33	4	3	16	88.9
400	655	585	535	56	390	40	4	3	16	131.59
500	755	670	615	70	490	46	4	3	20	218.7

* Dimensions are in mm.