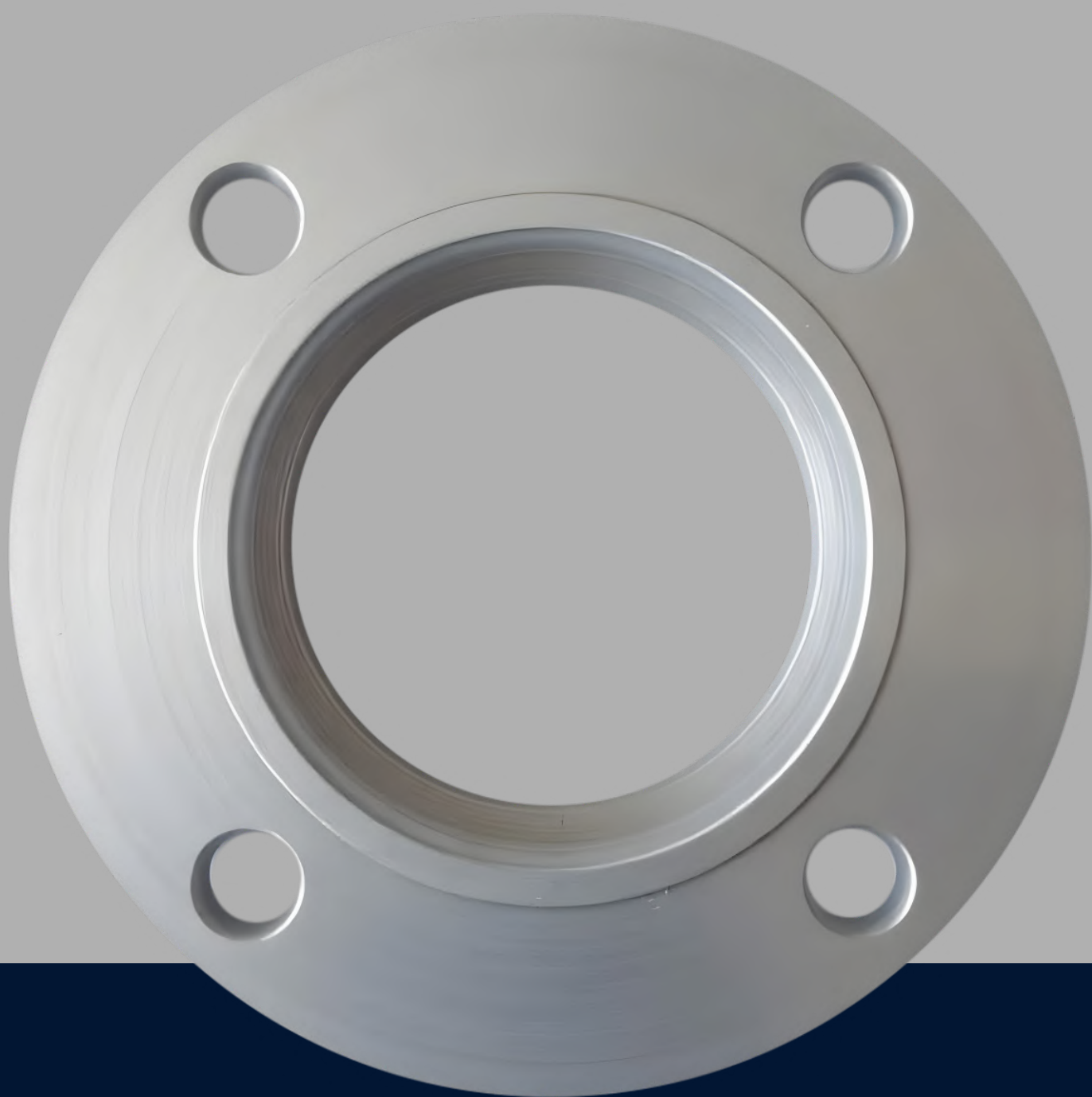




ZETAMEC
flange dal 1963



Zetamec, Flanges since 1963

Your trusted partner for stainless steel and carbon steel flanges and fittings.

Choosing Zetamec means relying on a solid and experienced partner in the supply of flanges, capable of ensuring high standards in both product quality and customer service. Drawing on decades of industry expertise, we accurately meet the requirements of every customer by offering a comprehensive range of steel flanges and tailored solutions.

Our approach is based on building genuine, long-term relationships founded on attentive listening, the ability to identify the most effective solutions, and the delivery of prompt, flexible, and professional support.

Our goal is to provide the most suitable product for every application, ensuring high performance, reliability, and competitive pricing. Guided by this customer-focused philosophy, Zetamec has built its success over the years.

We maintain a well-stocked warehouse and supply industrial fittings and flanges manufactured in compliance with the main international standards, including EN 1092-1, UNI, and ANSI B16.5. Our products are available in forged carbon steel grades (P245GH, P250GH, A105, RST37.2) and stainless steel grades (A304, A316).

The company is certified according to UNI EN ISO 9001:2015 by TÜV Rheinland.



ISO 9001
Certification



Quality Policy



REACH
Declaration



RoHS
Declaration



PED
Certification



Russian Import Ban
Compliance Declaration

Managing Flanges since 1963

From a technical draughtsman's desk to international supply.



STAINLESS STEEL

Flanges

CARBON STEEL

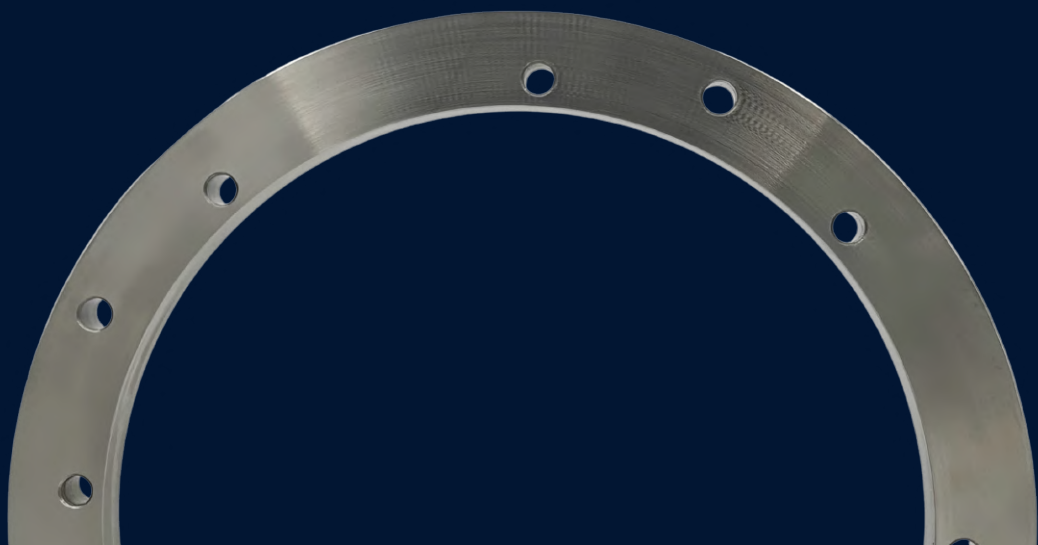
Flanges

GALVANIZED

Flanges

CARBON STEEL

Fittings



Zetamec at a Glance

1

Extensive stock availability.
FROM DN 15 TO DN 1600

2

Fast and optimized deliveries.
ACROSS EUROPE

3

Highly qualified personnel.
SPECIALIZED TECHNICAL SUPPORT

4

A single commercial point of contact.
FOR YOUR BUSINESS

5

Flexible and customized orders.
TAILORED TO EVERY REQUIREMENT

Zetamec, Flanges since 1963

Quality and Service

At Zetamec, customer support is not an additional service but a core element of our approach. From technical and commercial consulting to logistics management and the manufacturing of custom-made flanges, we support every customer with expertise, attention, and flexibility.

Whatever your requirements, our team is ready to provide practical, responsive, and tailored support.

EN1092-1 Flange

The EN 1092-1 standard is the most widely adopted reference standard for flanges in the European market.

It defines various flange types, from Type 01 to Type 35, classified according to their design, application, and connection method.

ANSI B16.5 Flange

ANSI-standard flanges are standardized components used to connect pipes, valves, and equipment within piping systems.

Standardization ensures full compatibility between components and guarantees reliability in industrial applications.

UNI Flange

UNI-standard flanges, which predate European standards, were widely used throughout Italy.

Although they have now been largely replaced by EN standards, they are still used for maintenance operations and replacement parts in existing plants and piping systems.





EN 1092-1 Flanges

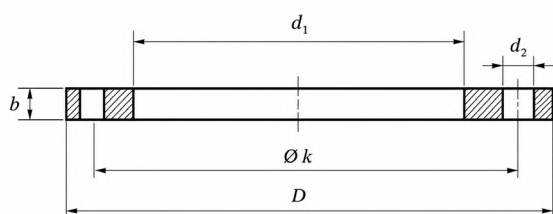


EN 1092-1

TYPE 01A PN6

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.

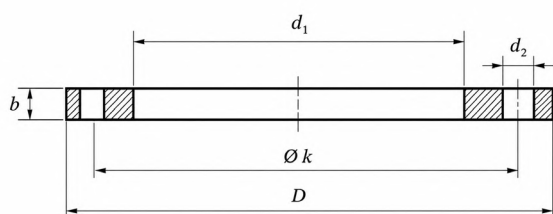


DN	pipe	d1	k	D	b	d2	thread	n. of drills	kg
15	21,3	22,0	55	80	12	11	M10	4	0,402
20	26,9	27,5	65	90	14	11	M10	4	0,592
25	33,7	34,5	75	100	14	11	M10	4	0,718
32	42,4	43,5	90	120	16	14	M12	4	1,156
40	48,3	49,5	100	130	16	14	M12	4	1,347
50	60,3	61,5	110	140	16	14	M12	4	1,482
65	76,1	77,5	130	160	16	14	M12	4	1,855
80	88,9	90,5	150	190	18	18	M16	4	2,952
100	114,3	116,0	170	210	18	18	M16	4	3,255
125	139,7	141,5	200	240	20	18	M16	8	4,312
150	168,3	170,5	225	265	20	18	M16	8	4,753
200	219,1	221,5	280	320	22	18	M16	8	6,880
250	273,0	276,5	335	375	24	18	M16	12	8,916
300	323,9	327,5	395	440	24	22	M20	12	11,911
350	355,6	359,5	445	490	26	22	M20	12	16,831
400	406,4	411,0	495	540	28	22	M20	16	19,831
450	457,0	462,0	550	595	30	22	M20	16	24,557
500	508,0	513,5	600	645	30	22	M20	20	26,374



EN 1092-1 TYPE 01A PN10 Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	b	d2	thread	n. of drills	kg
200	219,1	221,5	295	340	24	22	M20	8	9,268
250	273	276,5	350	395	26	22	M20	12	11,818
300	323,9	327,5	400	445	26	22	M20	12	13,612
350	355,6	359,5	460	505	30	22	M20	16	21,822
400	406,4	411	515	565	32	26	M24	16	27,506
450	457,2	462	565	615	36	26	M24	20	33,556
500	508,0	513,5	620	670	38	26	M24	20	40,206

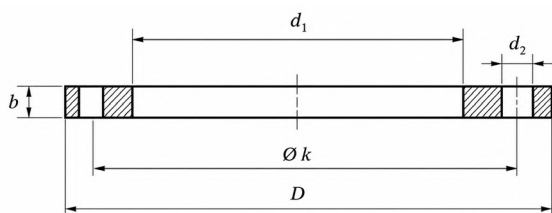


EN 1092-1

TYPE 01A PN16

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.

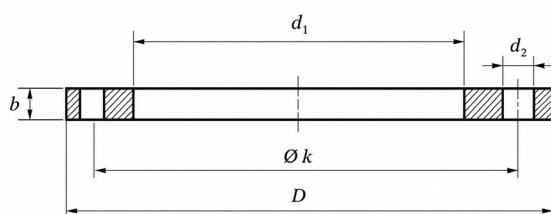


DN	pipe	D	k	d1	b	d2	thread	n. of drills	kg
10	17,2	18,0	60	90	14	14	M12	4	0,603
15	21,3	22,0	65	95	14	14	M12	4	0,669
20	26,9	27,5	75	105	16	14	M12	4	0,935
25	33,7	34,5	85	115	16	14	M12	4	1,109
32	42,4	43,5	100	140	18	18	M16	4	1,820
40	48,3	49,5	110	150	18	18	M16	4	2,080
50	60,3	61,5	125	165	20	18	M16	4	2,729
65	76,1	77,5	145	185	20	18	M16	4	3,318
65	76,1	77,5	145	185	20	18	M16	8	3,150
80	88,9	90,5	160	200	20	18	M16	8	3,601
100	114,3	116,0	180	220	22	18	M16	8	4,386
125	139,7	141,5	210	250	22	18	M16	8	5,407
150	168,3	170,5	240	285	24	22	M20	8	7,141
175	193,7	196,1	270	315	26	22	M20	8	9,093
200	219,1	221,5	295	340	26	22	M20	12	9,730
250	273,0	276,5	355	405	29	26	M24	12	14,200
300	323,9	327,5	410	460	32	26	M24	12	18,976
350	355,6	359,0	470	520	35	26	M24	16	28,190
400	406,4	411,0	525	580	38	30	M27	16	35,846
450	457,0	462,0	585	640	42	30	M27	20	46,109
500	508,0	513,5	650	715	46	33	M30	20	63,995



EN 1092-1 TYPE 01A PN25 Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	b	d2	thread	n. of drills	kg
200	219,1	221,5	310	360	32	26	M24	12	14,282
250	273,0	276,5	370	425	35	30	M27	12	20,139
300	323,9	327,5	430	485	38	30	M27	16	26,594
350	355,6	359,5	490	555	42	33	M30	16	41,763
400	406,4	411,0	550	620	48	36	M33	16	57,603
450	457,0	462,0	600	670	54	36	M33	20	69,726
500	508,0	513,5	660	730	58	36	M33	20	86,957

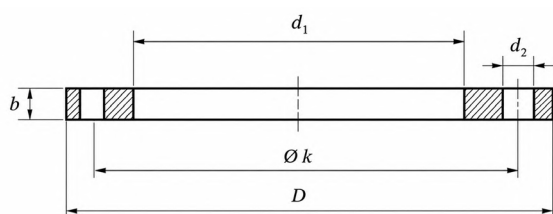


EN 1092-1

TYPE 01A PN40

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	b	d2	thread	n. of drills	kg
65	76,1	77,5	145	185	22	18	M16	8	3,474
80	88,9	90,5	160	200	24	18	M16	8	4,321
100	114,3	116,0	190	235	26	22	M20	8	6,072
125	139,7	141,5	220	270	28	26	M24	8	8,191
150	168,3	170,5	250	300	30	26	M24	8	10,264
200	219,1	221,5	320	375	36	30	M27	12	17,916
250	273,0	276,5	385	450	42	33	M30	12	29,241
300	323,9	327,5	450	515	52	33	M30	16	45,036
350	355,6	359,5	510	580	58	36	M33	16	66,630
400	406,4	411,0	585	660	65	39	M36	16	97,070
450	457,0	462,0	610	685	-	39	M36	20	-
500	508,0	513,5	670	755	-	42	M39	20	-

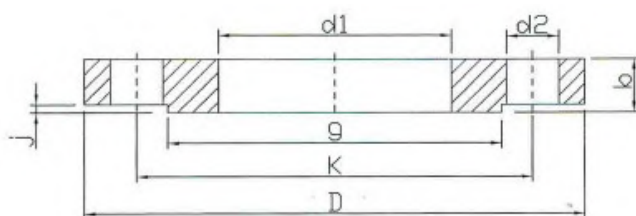


EN 1092-1

TYPE 01B PN6 RF

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	K	D	j	b	g	d2	thread	n. of drills
15	21,3	22,0	55	80	2	12	40	11	M10	4
20	26,9	27,5	65	90	2	14	50	11	M10	4
25	33,7	34,5	75	100	2	14	60	11	M10	4
32	42,4	43,5	90	120	2	16	70	14	M12	4
40	48,3	49,5	100	130	3	16	80	14	M12	4
50	60,3	61,5	110	140	3	16	90	14	M12	4
65	76,1	77,5	130	160	3	16	110	14	M12	4
80	88,9	90,5	150	190	3	18	128	18	M16	4
100	114,3	116,0	170	210	3	18	148	18	M16	4
125	139,7	141,5	200	240	3	20	178	18	M16	8
150	168,3	170,5	225	265	3	20	202	18	M16	8
200	219,1	221,5	280	320	3	22	258	18	M16	8
250	273,0	276,5	335	375	3	24	312	18	M16	12
300	323,9	327,5	395	440	4	24	365	22	M20	12
350	355,6	359,5	445	490	4	26	415	22	M20	12
400	406,4	411,0	495	540	4	28	465	22	M20	16
450	457,0	462,0	550	595	4	30	520	22	M20	16
500	508,0	513,5	600	645	4	30	570	22	M20	20

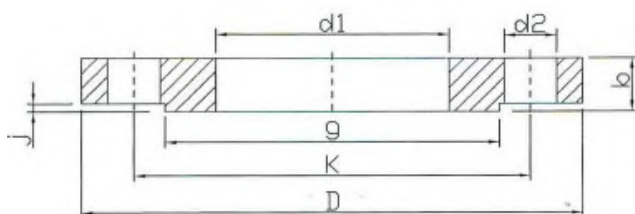


EN 1092-1

TYPE 01B PN10 RF

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	j	b	g	d2	thread	n. of drills	kg
200	219,1	221,5	295	340	3	24	268	22	M20	8	8,532
250	273,0	276,5	350	395	3	26	320	22	M20	12	10,936
300	323,9	327,5	400	445	4	26	370	22	M20	12	12,252
350	355,6	359,5	460	505	4	30	430	22	M20	16	20,288
400	406,4	411,0	515	565	4	32	482	26	M24	16	25,670
450	457,2	462,0	565	615	4	36	532	26	M24	20	31,548
500	508,0	513,5	620	670	4	38	585	26	M24	20	37,916

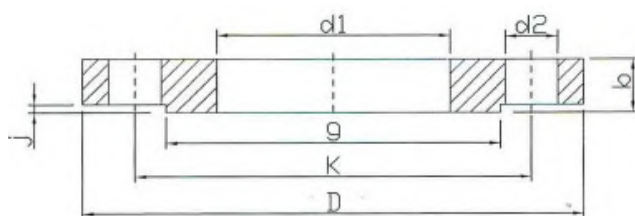


EN 1092-1

TYPE 01B PN16 RF

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	j	b	g	d2	thread	n.of drills	kg
10	17,2	18,0	60	90	2	14	40	14	M12	4	0,60
15	21,3	22,0	65	95	2	14	45	14	M12	4	0,59
20	26,9	27,5	75	105	2	16	58	14	M12	4	0,85
25	33,7	34,5	85	115	2	16	68	14	M12	4	1,01
32	42,4	43,5	100	140	2	18	78	18	M16	4	1,67
40	48,3	49,5	110	150	3	18	88	18	M16	4	1,83
50	60,3	61,5	125	165	3	20	102	18	M16	4	2,44
65	76,1	77,5	145	185	3	20	122	18	M16	4	2,99
80	88,9	90,5	160	200	3	20	138	18	M16	8	3,26
100	114,3	116,0	180	220	3	22	158	18	M16	8	4,00
125	139,7	141,5	210	250	3	22	188	18	M16	8	4,95
150	168,3	170,5	240	285	3	24	212	22	M20	8	6,54
200	219,1	221,5	295	340	3	26	268	22	M20	12	9,03
250	273,0	276,5	355	405	3	29	320	26	M24	12	13,21
300	323,9	327,5	410	460	4	32	378	26	M24	12	17,49
350	355,6	359,0	470	520	4	35	438	26	M24	16	26,53
400	406,4	411,0	525	580	4	38	490	30	M27	16	33,83
450	457,0	462,0	585	640	4	42	550	30	M27	20	43,90
500	508,0	513,5	650	715	4	46	610	33	M30	20	61,83

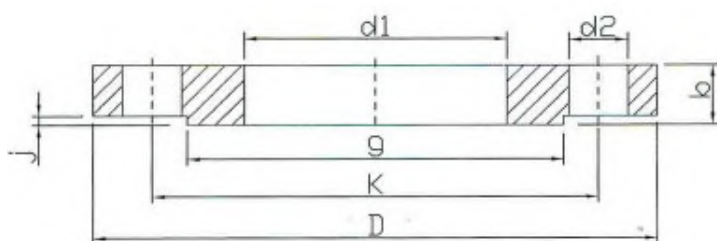


EN 1092-1

TYPE 01B PN25 RF

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.



DN	pipe	d1	k	D	b	d2	thread	n. of drills	g	j	kg
200	219,1	221,5	310	360	32	26	M24	12	278	3	14,282
250	273,0	276,5	370	425	35	30	M27	12	335	3	20,139
300	323,9	327,5	430	485	38	30	M27	16	395	4	26,594
350	355,6	359,5	490	555	42	33	M30	16	450	4	41,763
400	406,4	411,0	550	620	48	36	M33	16	505	4	57,603
450	457,0	462,0	600	670	54	36	M33	20	555	4	69,726
500	508,0	513,5	660	730	58	36	M33	20	615	4	86,957

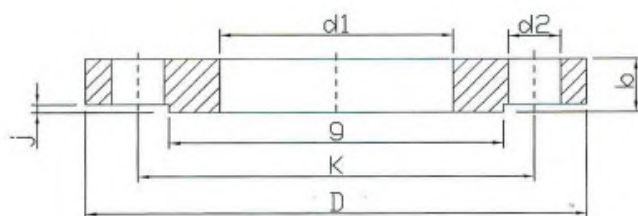


EN 1092-1

TYPE 01B PN40 RF

Flat

Flat flanges designed for welding applications.
Manufactured in compliance with the requirements of
the EN 1092-1 European standard.

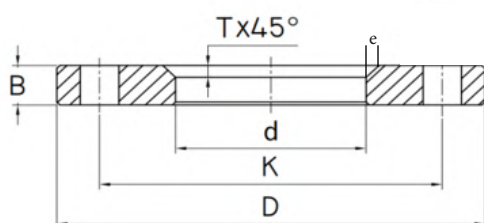


DN	pipe	d1	k	D	j	b	g	d2	thread	n.of drills	kg
65	76,1	77,5	145	185	3	22	122	18	M16	8	3,165
80	88,9	90,5	160	200	3	24	138	18	M16	8	3,982
100	114,3	116,0	190	235	3	26	162	22	M20	8	5,609
125	139,7	141,5	220	270	3	28	188	26	M24	8	7,598
150	168,3	170,5	250	300	3	30	218	26	M24	8	9,580
200	219,1	221,5	320	375	3	36	285	30	M27	12	17,020



EN 1092-1 TYPE 02 PN10 Loose

Flanges that are not welded directly to the pipe, but are held in position by a stub end or welded ring, allowing flange rotation for easier bolt-hole alignment.



DN	pipe	d	k	D	B	e	thread	n. of drills	kg
200	340	295	24	226	22	6	M20	8	8,947
250	395	350	26	281	22	8	M20	12	11,387
300	445	400	26	333	22	8	M20	12	12,997
350	505	460	30	365	22	8	M20	16	21,032
400	565	515	32	416	26	8	M24	16	26,623
450	615	565	36	467	26	8	M24	20	32,443
500	670	620	38	519	26	8	M24	20	38,777

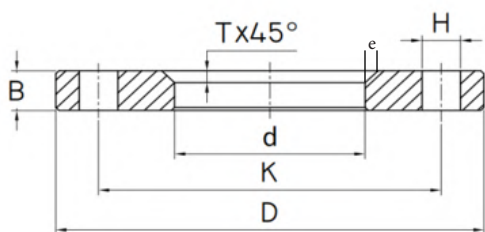


EN 1092-1

TYPE 02 PN16

Loose

Flanges that are not welded directly to the pipe, but are held in position by a stub end or welded ring, allowing flange rotation for easier bolt-hole alignment.

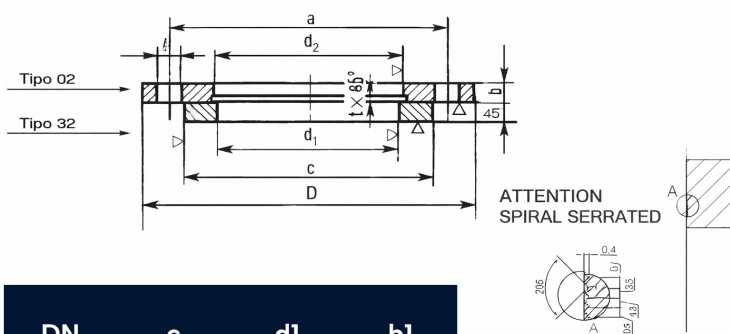


DN	D	k	B	d	H	e	thread	n. of drills	kg
15	95	65	14	25	14	3	M12	4	0,655
20	105	75	16	31	14	4	M12	4	0,913
25	115	85	16	38	14	4	M12	4	1,081
32	140	100	18	47	18	5	M16	4	1,781
40	150	110	18	53	18	5	M16	4	2,035
50	165	125	20	65	18	5	M16	4	2,668
65	185	145	20	81	18	6	M16	4	3,241
65	185	145	20	81	18	6	M16	8	3,082
80	200	160	20	94	18	6	M16	8	3,512
100	220	180	22	120	18	6	M16	8	4,247
125	250	210	22	145	18	6	M16	8	5,258
150	285	240	24	174	22	6	M20	8	6,945
200	340	295	26	226	22	6	M20	12	9,383
250	405	355	29	281	26	8	M24	12	13,717
300	460	410	32	333	26	8	M24	12	18,213
350	520	470	35	365	26	8	M24	16	27,184
400	580	525	38	416	30	8	M27	16	34,789
450	640	585	42	467	30	8	M27	20	44,793
500	715	650	46	519	33	8	M30	20	62,227



EN 1092-1 TYPE 32 PN16 Forged ring

Forged ring manufactured in accordance with the EN 1092-1 European standard for industrial applications. It ensures high mechanical strength, reliability, and dimensional accuracy.



DN	c	d1	b1
50	102	61,5	16
80	138	90,5	16
100	158	116,0	18
150	212	170,5	20
200	268	221,5	20
250	320	276,5	22

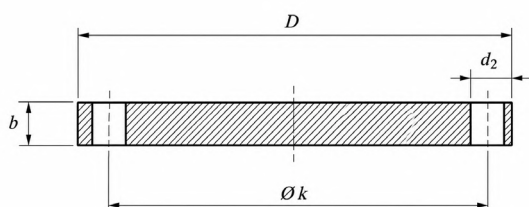


EN 1092-1

TYPE 05A PN6

Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

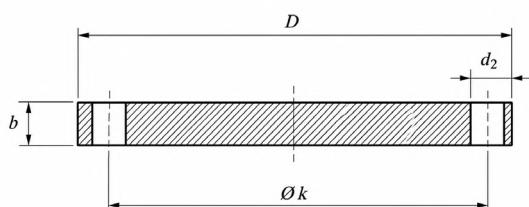


DN	k	D	b	d2	thread	n. of drills	kg
15	55	80	12	11	M10	4	0,437
20	65	90	14	11	M10	4	0,657
25	75	100	14	11	M10	4	0,821
32	90	120	14	14	M12	4	1,175
40	100	130	14	14	M12	4	1,390
50	110	140	14	14	M12	4	1,623
65	130	160	14	14	M12	4	2,141
80	150	190	16	18	M16	4	3,432
100	170	210	16	18	M16	4	4,220
125	200	240	18	18	M16	8	6,102
150	225	265	18	18	M16	8	7,502
200	280	320	20	18	M16	8	12,301
250	335	375	22	18	M16	12	18,537
300	395	440	22	22	M20	12	25,459
350	445	490	22	22	M20	12	31,763
400	495	540	22	22	M20	16	38,482
450	550	595	24	22	M20	16	51,213
500	600	645	24	22	M20	20	60,096



EN 1092-1 TYPE 05A PN10 Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

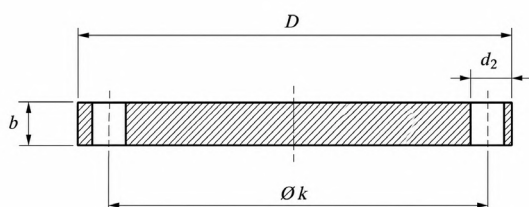


DN	k	D	b	d2	thread	n. of drills	kg
200	295	340	24	22	M20	8	16,524
250	350	395	26	22	M20	12	24,068
300	400	445	26	22	M20	12	30,797
350	460	505	26	22	M20	16	39,619
400	515	565	26	26	M24	16	49,413
450	565	615	28	26	M24	20	62,927
500	620	670	28	26	M24	20	75,122
600	725	780	34	30	M27	20	123,699
700	840	895	38	30	M27	24	182,514
800	950	1015	48	33	M30	24	296,997



EN 1092-1 TYPE 05A PN16 Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

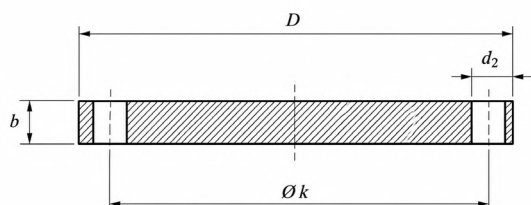


DN	k	D	b	d2	thread	n. of drills	kg
15	65	95	16	14	M12	4	0,813
20	75	105	18	14	M12	4	1,136
25	85	115	18	14	M12	4	1,380
32	100	140	18	18	M16	4	2,030
40	110	150	18	18	M16	4	2,352
50	125	165	18	18	M16	4	2,876
65	145	185	18	18	M16	4	3,653
65	145	185	18	18	M16	8	3,500
80	160	200	20	18	M16	8	4,610
100	180	220	20	18	M16	8	5,646
125	210	250	22	18	M16	8	8,122
150	240	285	22	22	M20	8	10,487
200	295	340	24	22	M20	12	16,238
250	355	405	26	26	M24	12	24,980
300	410	460	28	26	M24	12	35,110
350	470	520	30	26	M24	16	47,989
400	525	580	32	30	M27	16	63,496
450	585	640	40	30	M27	20	96,525
500	650	715	44	33	M30	20	132,708
600	770	840	54	36	M33	20	226,171



EN 1092-1 TYPE 05A PN25 Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

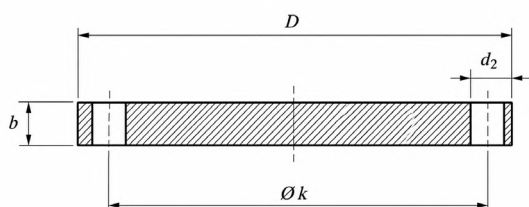


DN	k	D	b	d2	thread	n. of drills	kg
200	310	360	30	26	M24	12	22,500
250	370	425	32	30	M27	12	33,500
300	430	485	34	30	M27	16	46,300
350	490	555	38	33	M30	16	68,100
400	550	620	40	36	M33	16	89,700
450	600	670	50	36	M33	20	130,000
500	660	730	51	36	M33	20	159,000
600	770	845	66	39	M36	20	278,000



EN 1092-1 TYPE 05A PN40 Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

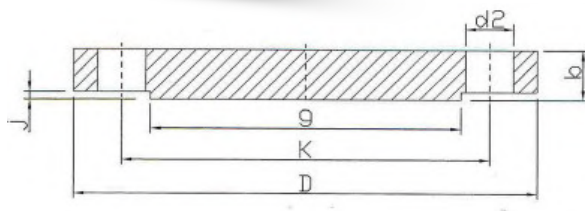


DN	k	D	b	d2	thread	n. of drills	kg
50	125	165	20	18	M16	4	3,196
65	145	185	22	18	M16	8	4,288
80	160	200	24	18	M16	8	5,532
100	190	235	24	22	M20	8	7,575
125	220	270	26	26	M24	8	10,813
150	250	300	28	26	M24	8	14,596
200	320	375	36	30	M27	12	28,801
250	385	450	38	33	M30	12	44,358
300	450	515	42	33	M30	16	64,134
350	510	580	46	36	M33	16	89,479
400	585	660	50	39	M36	16	126,716
450	610	685	57	39	M36	20	153,740
500	670	755	57	42	M39	20	187,350
600	795	890	72	48	M45	20	330,152



EN 1092-1 TYPE 05B PN6 RF Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

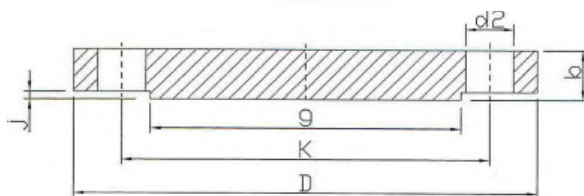


DN	k	D	b	d2	thread	n. of drills	g	j	kg
50	110	140	14	14	M12	4	90	3	1,623
65	130	160	14	14	M12	4	110	3	2,141
80	150	190	16	18	M16	4	128	3	3,432
100	170	210	16	18	M16	4	148	3	4,220
200	280	320	20	18	M16	8	258	3	12,301



EN 1092-1 TYPE 05B PN10 RF Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.

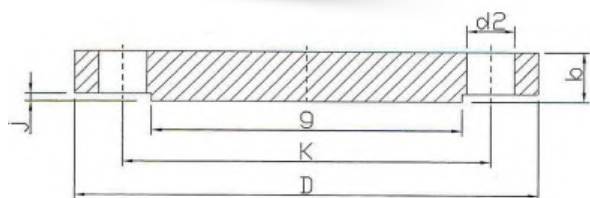


DN	k	D	b	d2	thread	n. of drills	g	j	kg
200	295	340	24	22	M20	8	268	3	15,788
250	350	395	26	22	M20	12	320	3	23,186
300	400	445	26	22	M20	12	370	4	29,437
350	460	505	26	22	M20	16	430	4	38,085
400	515	565	26	26	M24	16	482	4	47,542
450	565	615	28	26	M24	20	532	4	60,919
500	620	670	28	26	M24	20	585	4	72,832



EN 1092-1 TYPE 05B PN16 RF Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.



DN	k	D	b	d2	thread	n. of drills	j	g	kg
15	65	95	16	14	M12	4	2	45	0,737
20	75	105	18	14	M12	4	2	58	1,051
25	85	115	18	14	M12	4	2	68	1,280
32	100	140	18	18	M16	4	2	78	1,880
40	110	150	18	18	M16	4	3	88	2,098
50	125	165	18	18	M16	4	3	102	2,583
65	145	185	18	18	M16	4	3	122	3,310
80	160	200	20	18	M16	8	3	138	4,260
100	180	220	20	18	M16	8	3	158	5,247
125	210	250	22	18	M16	8	3	188	7,648
150	240	285	22	22	M20	8	3	212	9,862
200	295	340	24	22	M20	12	3	268	15,496
250	355	405	26	26	M24	12	3	320	23,993
300	410	460	28	26	M24	12	4	378	33,620
350	470	520	30	26	M24	16	4	438	46,324
400	525	580	32	30	M27	16	4	490	61,482
500	650	715	44	33	M30	20	4	610	129,823

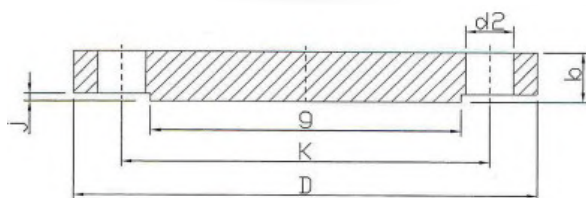


EN 1092-1

TYPE 05B PN40 RF

Blind

Blind flanges used to seal the end of a pipeline, header, or piece of equipment, featuring no central bore.



DN	k	D	b	d2	thread	n. of drills	g	j	kg
50	125	165	20	18	M16	4	102	3	3,196
65	145	185	22	18	M16	8	122	3	4,288
80	160	200	24	18	M16	8	138	3	5,532
100	190	235	24	22	M20	8	162	3	7,575
125	220	270	26	26	M24	8	188	3	10,813
150	250	300	28	26	M24	8	218	3	14,596
200	320	375	36	30	M27	12	285	3	28,801
250	385	450	38	33	M30	12	345	3	44,358
300	450	515	42	33	M30	16	410	4	64,134
350	510	580	46	36	M33	16	465	4	89,479
400	585	660	50	39	M36	16	535	4	126,716
450	610	685	57	39	M36	20	560	4	153,740
500	670	755	57	42	M39	20	615	4	187,350

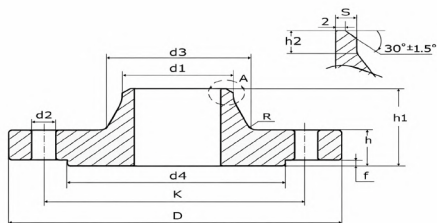


EN 1092-1

TYPE 11B PN6 RF

Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

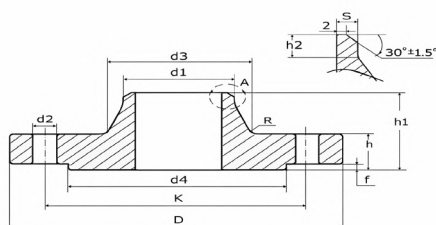


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
15	21,3	80	12	55	30	30	2,00	4	6	40	2	4	M10	11	0,408
20	26,9	90	14	65	32	38	2,30	4	6	50	2	4	M10	11	0,621
25	33,7	100	14	75	35	42	2,60	4	6	60	2	4	M10	11	0,762
32	42,4	120	14	90	35	55	2,60	6	6	70	2	4	M12	14	1,110
40	48,3	130	14	100	38	62	2,60	6	7	80	3	4	M12	14	1,260
50	60,3	140	14	110	38	74	2,90	6	8	90	3	4	M12	14	1,430
65	76,1	160	14	130	38	88	2,90	6	9	110	3	4	M12	14	1,770
80	88,9	190	16	150	42	102	3,20	8	10	128	3	4	M16	18	2,880
100	114,3	210	16	170	45	130	3,60	8	10	148	3	4	M16	18	3,410
125	139,7	240	18	200	48	155	4,00	8	10	178	3	8	M16	18	4,650
150	168,3	265	18	225	48	184	4,50	10	12	202	3	8	M16	18	5,500
200	219,1	320	20	280	55	236	6,30	10	15	258	3	8	M16	18	8,600



EN 1092-1 TYPE 11B PN10 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.



DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
200	219,1	340	24	295	62	234	6,30	10	16	268	3	8	M20	22	11,600
250	273,0	395	26	350	68	292	6,30	12	16	320	3	12	M20	22	15,800
300	323,9	445	26	400	68	342	7,10	12	16	370	4	12	M20	22	18,300
350	355,6	505	26	460	68	385	7,10	12	16	430	4	16	M20	22	25,300
400	406,4	565	26	515	72	440	7,10	12	16	482	4	16	M24	26	30,600
450	457,0	615	28	565	72	488	7,10	12	16	532	4	20	M24	26	35,100
500	508,0	670	28	620	75	542	7,10	12	16	585	4	20	M24	26	40,500
600	610,0	780	30	725	82	642	8,00	12	18	685	5	20	M27	30	52,900

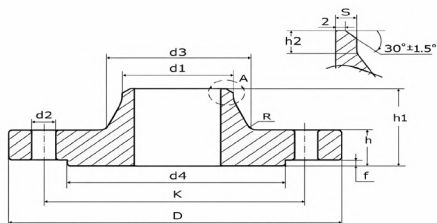


EN 1092-1

TYPE 11B PN16 RF

Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

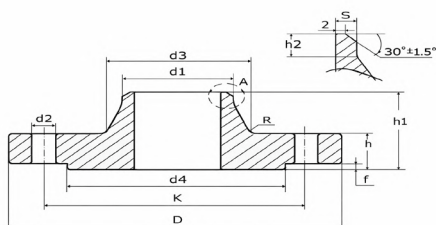


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
15	21,3	95	16	65	38	32	2,00	4	6	45	2	4	M12	14	0,768
20	26,9	105	18	75	40	40	2,30	4	6	58	2	4	M12	14	1,090
25	33,7	115	18	85	40	46	2,60	4	6	68	2	4	M12	14	1,300
32	42,4	140	18	100	42	56	2,60	6	6	78	2	4	M16	18	1,910
40	48,3	150	18	110	45	64	2,60	6	7	88	3	4	M16	18	2,150
50	60,3	165	18	125	45	74	2,90	6	8	102	3	4	M16	18	2,530
65	76,1	185	18	145	45	92	2,90	6	10	122	3	4	M16	18	3,120
65	76,1	185	18	145	45	92	2,90	6	10	122	3	8	M16	18	3,030
80	88,9	200	20	160	50	105	3,20	6	10	138	3	8	M16	18	3,920
100	114,3	220	20	180	52	131	3,60	8	12	158	3	8	M16	18	4,620
125	139,7	250	22	210	55	156	4,00	8	12	188	3	8	M16	18	6,300
150	168,3	285	22	240	55	184	4,50	10	12	212	3	8	M20	22	7,810
200	219,1	340	24	295	62	235	6,30	10	16	268	3	12	M20	22	11,500
250	273,0	405	26	355	70	292	6,30	12	16	320	3	12	M24	26	16,700
300	323,9	460	28	410	78	344	7,10	12	16	378	4	12	M24	26	22,100
350	355,6	520	30	470	82	390	8,00	12	16	438	4	16	M24	26	32,800
400	406,4	580	32	525	85	445	8,00	12	16	490	4	16	M27	30	41,100
450	457,0	640	34	585	88	490	8,80	12	16	550	4	20	M27	30	48,500
500	508,0	715	36	650	84	548	8,80	12	16	610	4	20	M30	33	63,400
600	610,0	840	40	770	88	670	11,00	12	18	725	5	20	M33	36	96,000



EN 1092-1 TYPE 11B PN25 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

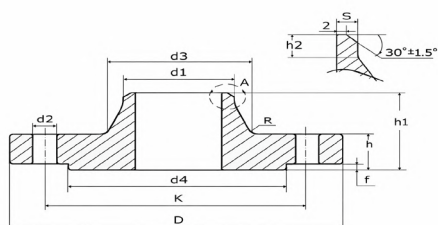


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
200	219,1	360	30	310	80	244	6,3	10	16	278	3	12	M24	26	17,100
250	273,0	425	32	370	88	298	7,1	12	18	335	3	12	M27	30	24,300
300	323,9	485	34	430	92	352	8,0	12	18	395	4	16	M27	30	31,800
350	355,6	555	38	490	100	398	8,0	12	20	450	4	16	M30	33	48,800
400	406,4	620	40	550	110	452	8,8	12	20	505	4	16	M33	36	63,300
450	457,0	670	46	600	110	500	8,8	12	20	550	4	20	M33	36	76,000
500	508,0	730	48	660	125	558	10,0	12	20	615	4	20	M33	36	97,000
600	610,0	845	48	770	125	660	12,5	12	20	720	5	20	M36	39	121,000



EN 1092-1 TYPE 11B PN40 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

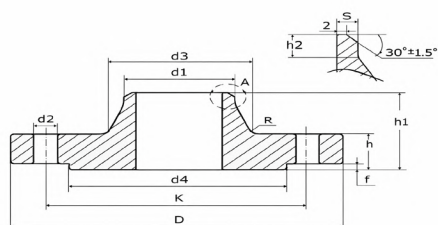


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
15	21,3	95	16	65	38	32	2,00	4	6	45	2	4	M12	14	0,768
20	26,9	105	18	75	40	40	2,30	4	6	58	2	4	M12	14	1,090
25	33,7	115	18	85	40	46	2,60	4	6	68	2	4	M12	14	1,300
32	42,4	140	18	100	42	56	2,60	6	6	78	2	4	M16	18	1,910
40	48,3	150	18	110	45	64	2,60	6	7	88	3	4	M16	18	2,150
50	60,3	165	20	125	48	75	2,90	6	8	102	3	4	M16	18	2,850
65	76,1	185	22	145	52	90	2,90	6	10	122	3	8	M16	18	3,680
80	88,9	200	24	160	58	105	3,20	8	12	138	3	8	M16	18	4,780
100	114,3	235	24	190	65	134	3,60	8	12	162	3	8	M20	22	6,460
125	139,7	270	26	220	68	162	4,00	8	12	188	3	8	M24	26	8,860
150	168,3	300	28	250	75	192	4,50	10	12	218	3	8	M24	26	11,700
200	219,1	375	34	320	88	244	6,30	10	16	285	3	12	M27	30	21,000
250	273,0	450	38	385	105	306	7,10	12	18	345	3	12	M30	33	34,200
300	323,9	515	42	450	115	362	8,00	12	18	410	4	16	M30	33	47,600
350	355,6	580	46	510	125	408	8,80	12	20	465	4	16	M33	36	69,300
400	406,4	660	50	585	135	462	11,00	12	20	535	4	16	M36	39	98,000
450	457,0	685	57	610	135	500	12,50	12	20	560	4	20	M36	39	105,000
500	508,0	755	57	670	140	562	14,20	12	20	615	4	20	M39	42	130,000



EN 1092-1 TYPE 11B PN16 SCH40 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

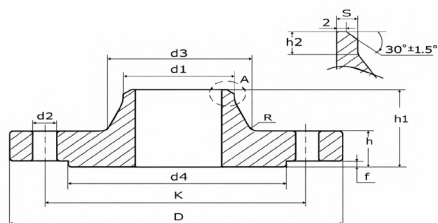


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2
15	21,3	95	16	65	38	32	2,77	4	6	45	2	4	M12	14
20	26,7	105	18	75	40	40	2,87	4	6	58	2	4	M12	14
25	33,4	115	18	85	40	46	3,38	4	6	68	2	4	M12	14
32	42,4	140	18	100	42	56	3,56	6	6	78	2	4	M16	18
40	48,3	150	18	110	45	64	3,68	6	7	88	3	4	M16	18
50	60,3	165	18	125	45	74	3,91	6	8	102	3	4	M16	18
65	73,0	185	18	145	45	92	5,16	6	10	122	3	4	M16	18
80	88,9	200	20	160	50	105	5,49	6	10	138	3	8	M16	18
100	114,3	220	20	180	52	131	6,02	8	12	158	3	8	M16	18
125	141,3	250	22	210	55	156	6,55	8	12	188	3	8	M16	18
150	168,3	285	22	240	55	184	7,11	10	12	212	3	8	M20	22
200	219,1	340	24	295	62	235	8,18	10	16	268	3	12	M20	22



EN 1092-1 TYPE 11B PN40 SCH40 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

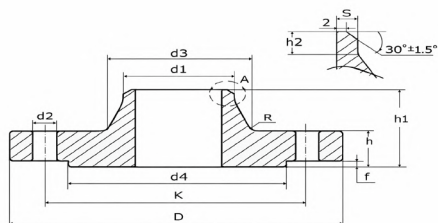


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	holes	thread	d2
50	60,3	165	20	125	48	75	3,91	6	8	102	3	4	M16	18
65	73,0	185	22	145	52	90	5,16	6	10	122	3	8	M16	18
80	88,9	200	24	160	58	105	5,49	8	12	138	3	8	M16	18
100	114,3	235	24	190	65	134	6,02	8	12	162	3	8	M20	22
125	141,3	270	26	220	68	162	6,55	8	12	188	3	8	M24	26
150	168,3	300	28	250	75	192	7,11	10	12	218	3	8	M24	26
200	219,1	375	34	320	88	244	8,18	10	16	285	3	12	M27	30



EN 1092-1 TYPE 11B PN63 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

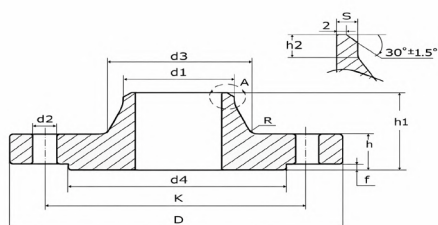


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
15	21,3	105	20	75	45	34	2,00	4	6	45	2	4	M12	14	1,200
20	26,9	130	22	90	48	42	2,60	4	8	58	2	4	M16	18	2,020
25	33,7	140	24	100	58	52	2,60	4	8	68	2	4	M16	18	2,630
32	42,4	155	24	110	60	62	2,90	6	8	78	2	4	M20	22	3,200
40	48,3	170	26	125	62	70	2,90	6	10	88	3	4	M20	22	4,070
50	60,3	180	26	135	62	82	2,90	6	10	102	3	4	M20	22	4,510
65	76,1	205	26	160	68	98	3,20	6	12	122	3	8	M20	22	5,580
80	88,9	215	28	170	72	112	3,60	8	12	138	3	8	M20	22	6,680
100	114,3	250	30	200	78	138	4,00	8	12	162	3	8	M24	26	9,270
125	139,7	295	34	240	88	168	4,50	8	12	188	3	8	M27	30	14,500
150	168,3	345	36	280	95	202	5,60	10	12	218	3	8	M30	33	21,400
200	219,1	415	42	345	110	256	7,10	10	16	285	3	12	M33	36	34,100
250	273,0	470	46	400	125	316	8,80	12	18	345	3	12	M33	36	48,300
300	323,9	530	52	460	140	372	11,00	12	18	410	4	16	M33	36	67,500
350	355,6	600	56	525	150	420	12,50	12	20	465	4	16	M36	39	97,800
400	406,4	670	60	585	160	475	14,20	12	20	535	4	16	M39	42	129,000



EN 1092-1 TYPE 11B PN100 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

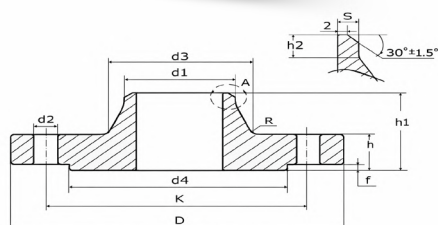


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
50	60,3	195	28	145	68	90	3,20	6	10	102	3	4	M24	26	5,820
65	76,1	220	30	170	76	108	3,60	6	12	122	3	8	M24	26	7,570
80	88,9	230	32	180	78	120	4,00	8	12	138	3	8	M24	26	8,820
100	114,3	265	36	210	90	150	5,00	8	12	162	3	8	M27	30	13,100
125	139,7	315	40	250	105	180	6,30	8	12	188	3	8	M30	33	21,000
150	168,3	355	44	290	115	210	7,10	10	12	218	3	12	M30	33	28,300
200	219,1	430	52	360	130	278	10,00	10	16	285	3	12	M33	36	50,200
250	273,0	505	60	430	157	340	12,50	12	18	345	3	12	M36	39	81,400
300	323,9	585	68	500	170	400	14,20	12	18	410	4	16	M39	42	118,000
350	355,6	655	74	560	189	460	16,00	12	20	465	4	16	M45	48	169,000



EN 1092-1 TYPE 11B PN160 RF Welding Neck

Weld neck flanges featuring a tapered hub welded directly to the pipe, designed to provide high mechanical strength and excellent stress distribution.

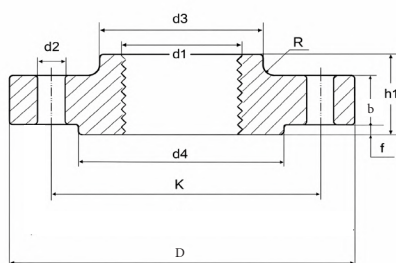


DN	d1	D	h	k	h1	d3	s	r	h2	d4	f	n. of drills	thread	d2	kg
15	21,3	105	20	75	45	34	2,00	4	6	45	2	4	M12	14	1,20
25	33,7	140	24	100	58	52	2,90	4	8	68	2	4	M16	18	2,64
40	48,3	170	28	125	64	70	3,60	6	10	88	3	4	M20	22	4,42
50	60,3	195	30	145	75	90	4,00	6	10	102	3	4	M24	26	6,38
65	76,1	220	34	170	82	108	5,00	6	12	122	3	8	M24	26	8,75
80	88,9	230	36	180	86	120	6,30	8	12	138	3	8	M24	26	10,30
100	114,3	265	40	210	100	150	8,00	8	12	162	3	8	M27	30	15,30
125	139,7	315	44	250	115	180	10,00	8	14	188	3	8	M30	33	24,40
150	168,3	355	50	290	128	210	12,50	10	14	218	3	12	M30	33	34,40
200	219,1	430	60	360	140	278	16,00	10	16	285	3	12	M33	36	60,70
250	273,0	515	68	430	155	340	20,00	12	18	345	3	12	M39	42	97,60
300	323,9	585	78	500	175	400	22,20	12	18	410	4	16	M39	42	140,00



EN 1092-1 TYPE 13B PN6 RF Threaded

Threaded flanges with an internally threaded bore, allowing connection to the pipe without welding.

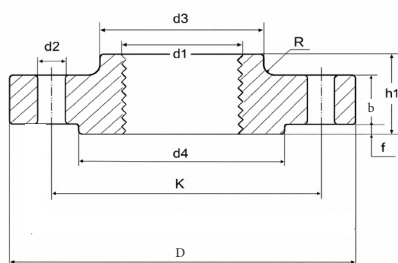


DN	ø	d1	d4	d3	f	k	D	b	d2	h1	R	Thread	n. of drills	kg
15	r 1/2"	21,3	40,0	30,0	2	55	80	12	11	20	4	M10	4	0,373
20	r 3/4"	26,9	50,0	40,0	2	65	90	14	11	24	4	M10	4	0,584
25	r 1"	33,7	60,0	50,0	2	75	100	14	11	24	4	M10	4	0,729
32	r 1-1/4"	42,4	70,0	60,0	2	90	120	14	14	26	6	M12	4	1,040
40	r 1-1/2"	48,3	80,0	70,0	3	100	130	14	14	26	6	M12	4	1,200
50	r 2"	60,3	90,0	80,0	3	110	140	14	14	28	6	M12	4	1,340
65	r 2-1/2"	76,1	110,0	100,0	3	130	160	14	14	32	6	M12	4	1,830
80	R 3"	88,9	128,0	110,0	3	150	190	16	18	34	8	M16	4	2,750
100	R 4"	114,3	148,0	130,0	3	170	210	16	18	40	8	M16	4	3,010
125	R 5"	139,7	178,0	160,0	3	200	240	18	18	44	8	M16	8	4,300
150	R 6"	168,3	202,0	185,0	3	225	265	18	18	44	10	M16	8	4,630

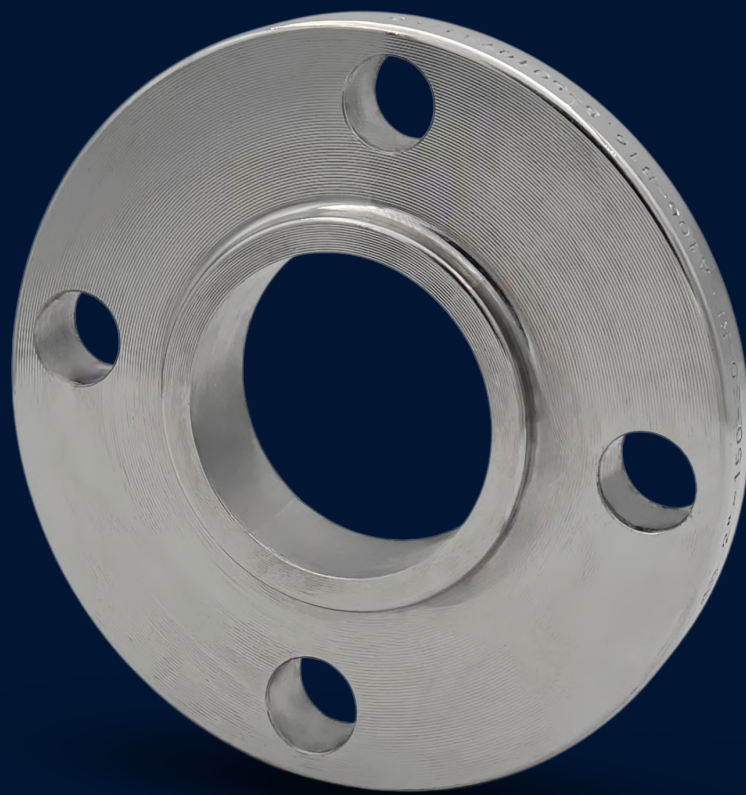


EN 1092-1 TYPE 13B PN16 RF Threaded

Threaded flanges with an internally threaded bore, allowing connection to the pipe without welding.



DN	ø	d1	d4	d3	f	k	D	b	d2	h1	R	Thread	n. of drills	kg
15	R 1/2"	21,3	45,0	35,0	2,0	65	95	16	14	22	4	M12	4	0,722
20	R 3/4"	26,9	58,0	45,0	2,0	75	105	18	14	26	4	M12	4	1,040
25	R 1"	33,7	68,0	52,0	2,0	85	115	18	14	28	4	M12	4	1,250
32	R 1-1/4"	42,4	78,0	60,0	2,0	100	140	18	18	30	6	M16	4	1,810
40	R 1-1/2"	48,3	88,0	70,0	3,0	110	150	18	18	32	6	M16	4	2,060
50	R 2"	60,3	102,0	84,0	3,0	125	165	18	18	28	6	M16	4	2,430
65	R 2-1/2"	76,1	122,0	104,0	3,0	145	185	18	18	32	6	M16	4	3,180
65	R 2-1/2"	76,1	122,0	104,0	3,0	145	185	18	18	32	6	M16	8	2,970
80	R 3"	88,9	138,0	118,0	3,0	160	200	20	18	34	6	M16	8	4,120
100	R 4"	114,3	158,0	140,0	3,0	180	220	20	18	40	8	M16	8	4,470
125	R 5"	139,7	188,0	168,0	3,0	210	250	22	18	44	8	M16	8	6,130
150	R 6"	168,3	212,0	195,0	3,0	240	285	22	22	44	10	M20	8	7,920



ANSI B16.5 Flanges

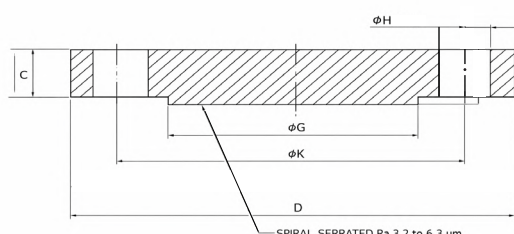
ANSI B16.5 Flanges

ZETAMEC
flange dal 1963



ANSI B16.5 150_{LBS} BLIND RF

ANSI blind flanges are used to close or isolate the end of a pipeline, valve, or pressure vessel. They also provide access for inspections, maintenance activities, and future system expansions.



DN	D	C	G	k	n. of drills	H	kg
1/2"	88,90	11,20	35,10	60,50	4	15,70	0,44
3/4"	98,60	12,70	42,90	69,90	4	15,70	0,63
1"	108,00	14,20	50,80	79,20	4	15,70	0,88
1 1/4"	117,30	15,70	63,50	88,90	4	15,70	1,17
1 1/2"	127,00	17,50	73,20	98,60	4	15,70	1,56
2"	152,40	19,10	91,90	120,70	4	19,10	2,49
2 1/2"	177,80	22,40	104,60	139,70	4	19,10	4,04
3"	190,50	23,90	127,00	152,40	4	19,10	5,04
4"	228,60	23,90	157,20	190,50	8	19,10	7,14
5"	254,00	23,90	185,70	215,90	8	22,40	8,78
6"	279,40	25,40	215,90	241,30	8	22,40	11,40
8"	342,90	28,40	269,70	298,50	8	22,40	20,20
10"	406,40	30,20	323,90	362,00	12	25,40	29,40
12"	482,60	31,80	381,00	431,80	12	25,40	44,30
14"	533,40	35,10	412,80	476,30	12	28,40	59,30
16"	596,90	36,60	469,90	539,80	16	28,40	77,60
18"	635,00	39,60	533,40	577,90	16	31,80	95,70
20"	698,50	42,90	584,20	635,00	20	31,80	125,00
24"	812,80	47,80	692,20	749,30	20	35,10	185,00

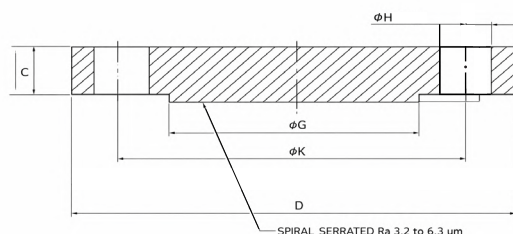
ANSI B16.5 Flanges

ZETAMEC
flange dal 1963



ANSI B16.5 300_{LBS} BLIND RF

ANSI blind flanges are used to close or isolate the end of a pipeline, valve, or pressure vessel. They also provide access for inspections, maintenance activities, and future system expansions.

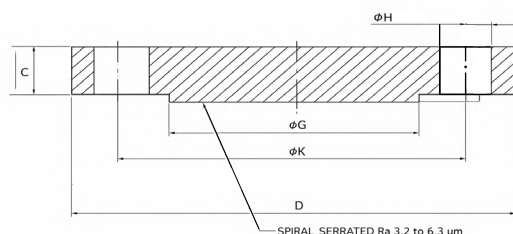


DN	D	C	G	k	n. of drills	H	kg
1/2"	95,20	14,20	35,00	66,50	4	15,70	0,66
3/4"	117,30	15,70	42,90	82,50	4	19,00	1,10
1"	123,90	17,50	50,80	88,90	4	19,00	1,40
1 1/4"	133,30	19,00	63,50	98,50	4	19,00	1,84
1 1/2"	155,40	20,60	73,10	114,30	4	22,30	2,73
2"	165,10	22,30	91,90	127,00	8	19,00	3,22
2 1/2"	190,50	25,40	104,60	149,30	8	22,30	4,92
3"	209,50	28,40	127,00	168,10	8	22,30	6,99
4"	254,00	31,70	157,20	200,10	8	22,30	11,70
5"	279,40	35,00	185,60	234,90	8	22,30	15,70
6"	317,50	36,50	215,90	269,70	12	22,30	21,50
8"	381,00	41,10	269,70	330,20	12	25,40	34,90



ANSI B16.5 600LBS BLIND RF

ANSI blind flanges are used to close or isolate the end of a pipeline, valve, or pressure vessel. They also provide access for inspections, maintenance activities, and future system expansions.

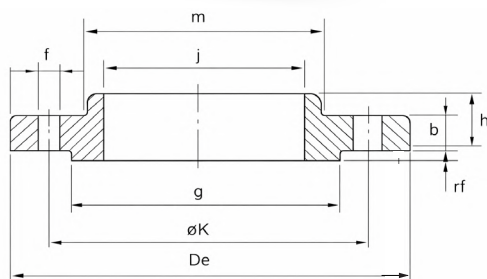


DN	D	C	G	k	n. of drills	H	kg
2"	165,00	25,40	91,90	127,00	8	19,05	4,30
4"	273,00	38,10	157,20	215,90	8	25,40	18,00
6"	356,00	47,80	215,90	292,10	12	28,60	35,50
8"	419,00	55,60	269,70	349,20	12	31,80	58,00
10"	508,00	63,50	323,80	431,80	16	34,90	98,00
12"	558,80	66,70	381,00	488,90	20	34,90	125,00
14"	603,20	69,80	412,70	527,00	20	38,10	151,00
16"	685,80	76,20	469,90	603,20	20	41,30	215,00
18"	742,90	82,50	533,40	654,00	20	44,40	287,00
20"	812,80	88,90	584,20	723,90	24	44,40	366,00
24"	939,80	101,60	692,10	838,20	24	50,80	532,00



ANSI B16.5 150LBS SLIP ON RF

ANSI slip-on flanges are widely used in piping systems to connect pipe sections and valves. The slip-on flange is welded directly to the pipe to ensure a reliable and leak-tight connection.

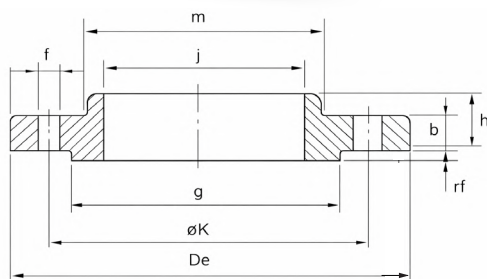


DN	De	b	g	m	j	h	k	n. of drills	f	kg
1/2"	88,90	11,20	35,10	30,20	22,40	15,70	60,50	4	15,70	0,42
3/4"	98,60	12,70	42,90	38,10	27,70	15,70	69,90	4	15,70	0,58
1"	108,00	14,20	50,80	49,30	34,50	17,50	79,20	4	15,70	0,79
1 1/4"	117,30	15,70	63,50	58,70	43,20	20,60	88,90	4	15,70	1,04
1 1/2"	127,00	17,50	73,20	65,00	49,50	22,40	98,60	4	15,70	1,34
2"	152,40	19,10	91,90	77,70	62,00	25,40	120,70	4	19,10	2,12
2 1/2"	177,80	22,40	104,60	90,40	74,70	28,40	139,70	4	19,10	3,29
3"	190,50	23,90	127,00	108,00	90,70	30,20	152,40	4	19,10	3,96
4"	228,60	23,90	157,20	134,90	116,10	33,30	190,50	8	19,10	5,42
5"	254,00	23,90	185,70	163,60	143,80	36,60	215,90	8	22,40	6,30
6"	279,40	25,40	215,90	192,00	170,70	39,60	241,30	8	22,40	7,80
8"	342,90	28,40	269,70	246,10	221,50	44,50	298,50	8	22,40	12,80
10"	406,40	30,20	323,90	304,80	276,40	49,30	362,00	12	25,40	17,80
12"	482,60	31,80	381,00	365,30	327,20	55,60	431,80	12	25,40	28,20
14"	533,40	35,10	412,80	400,10	359,20	57,20	476,30	12	28,40	35,00
16"	596,90	36,60	469,90	457,20	410,50	63,50	539,80	16	28,40	45,90
18"	635,00	39,60	533,40	505,00	461,80	68,30	577,90	16	31,80	50,30
20"	698,50	42,90	584,20	558,80	513,10	73,20	635,00	20	31,80	64,30



ANSI B16.5 300_{LBS} SLIP ON RF

ANSI slip-on flanges are widely used in piping systems to connect pipe sections and valves. The slip-on flange is welded directly to the pipe to ensure a reliable and leak-tight connection.

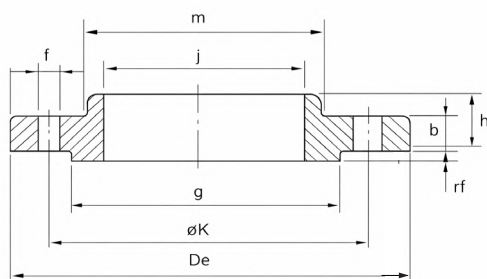


DN	De	b	g	m	j	h	k	n. of drills	f	kg
1/2"	95,20	14,20	35,00	38,10	22,30	22,30	66,50	4	15,70	0,66
3/4"	117,30	15,70	42,90	47,70	27,70	25,40	82,50	4	19,00	1,11
1"	123,90	17,50	50,80	53,80	34,50	26,90	88,90	4	19,00	1,37
1 1/4"	133,30	19,00	63,50	63,50	43,20	30,20	98,50	4	19,00	1,71
1 1/2"	155,40	20,60	73,10	69,80	49,50	30,20	114,30	4	22,30	2,57
2"	165,10	22,30	91,90	84,00	62,00	33,20	127,00	8	19,00	2,96
2 1/2"	190,50	25,40	104,60	100,00	74,70	38,10	149,30	8	22,30	4,29
3"	209,50	28,40	127,00	117,30	90,70	42,90	168,10	8	22,30	6,02
4"	254,00	31,70	157,20	146,00	116,10	47,70	200,10	8	22,30	9,83
5"	279,40	35,00	185,60	177,80	143,80	50,80	234,90	8	22,30	12,60
6"	317,50	36,50	215,90	206,20	170,70	52,30	269,70	12	22,30	16,40
8"	381,00	41,10	269,70	260,30	221,50	61,90	330,20	12	25,40	25,10
10"	444,50	47,70	323,80	320,50	276,30	66,50	387,30	16	28,40	36,40
12"	520,70	50,80	381,00	374,60	327,10	73,10	450,80	16	31,70	52,20
14"	584,20	53,80	412,70	425,40	359,10	76,20	514,30	20	31,70	70,00
16"	647,70	57,10	469,90	482,60	410,50	82,50	571,50	20	35,00	91,60
18"	711,20	60,40	533,40	533,40	461,80	88,90	628,60	24	35,00	110,00
20"	774,70	63,50	584,20	587,20	513,10	95,20	685,80	24	35,00	138,00
24"	914,40	69,80	692,10	701,50	615,90	106,40	812,80	24	41,10	201,00



ANSI B16.5 600LBS SLIP ON RF

ANSI slip-on flanges are widely used in piping systems to connect pipe sections and valves. The slip-on flange is welded directly to the pipe to ensure a reliable and leak-tight connection.



DN	De	b	g	m	j	h	k	n. of drills	f
1"	123,80	17,50	50,80	54,00	34,50	27,00	88,90	4	19,00
2"	165,00	25,40	91,90	84,00	62,00	37,00	127,00	8	19,05
3"	210,00	31,80	127,00	117,00	90,70	46,00	168,10	8	22,22
4"	273,00	38,10	157,20	152,00	116,10	54,00	215,90	8	25,40
5"	330,00	44,40	185,70	189,00	143,80	60,00	266,70	8	28,58
6"	356,00	47,80	215,90	222,00	170,70	67,00	292,10	12	28,58
8"	419,00	55,60	269,70	273,00	221,50	76,00	349,20	12	31,75
10"	508,00	63,50	323,80	343,00	276,20	86,00	431,80	16	34,93
16"	686,00	76,20	469,90	495,00	410,50	106,00	603,20	20	41,28

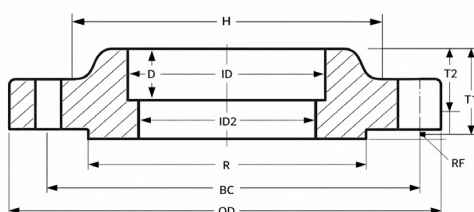
ANSI B16.5 Flanges

ZETAMEC
flange dal 1963



ANSI B16.5 150_{LBS} SOCKET WELD RF

ANSI socket weld flanges are mainly used in small-diameter piping systems and high-pressure service, where strength and leak-tight performance are essential.

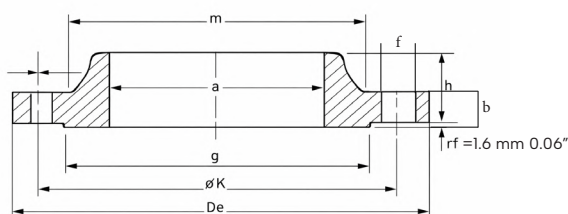


DN	OD	ID	ID2	D	T1	T	H	R	Holes	B	BC	Kg
1/2"	88,90	22,40	15,70	9,60	11,20	15,70	30,20	35,10	4	15,70	60,50	0,42
3/4"	98,60	27,70	20,80	11,10	12,70	15,70	38,10	42,90	4	15,70	69,90	0,59
1"	108,00	34,50	26,70	12,70	14,20	17,50	49,30	50,80	4	15,70	79,20	0,81
1 1/4"	117,30	43,20	35,10	14,20	15,70	20,60	58,70	63,50	4	15,70	88,90	1,07
1 1/2"	127,00	49,50	40,90	15,70	17,50	22,40	65,00	73,10	4	15,70	98,60	1,36
2"	152,40	62,00	52,60	17,50	19,10	25,40	77,70	91,90	4	19,10	120,70	2,10
2 1/2"	177,80	74,70	62,70	19,00	22,40	28,40	90,40	104,60	4	19,10	139,70	3,33
3"	190,50	90,70	78,00	20,60	23,90	30,20	108,00	127,00	4	19,10	152,40	3,90



ANSI B16.5 150LBS WELDING NECK RF

ANSI weld neck flanges are designed for high pressure and high temperature applications. Their tapered hub and butt-weld connection provide excellent mechanical strength and optimal stress distribution.

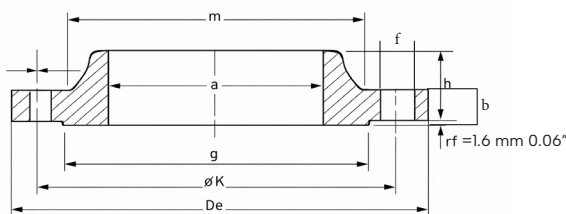


DN	De	b	g	m	j (sch)	h	k	Holes	a	f	Kg
1/2"	88,90	11,20	35,10	30,20	15,70	47,80	60,50	4	21,3	15,70	0,56
3/4"	98,60	12,70	42,90	38,10	20,80	52,30	69,90	4	26,7	15,70	0,81
1"	108,00	14,20	50,80	49,30	26,70	55,60	79,20	4	33,5	15,70	1,14
1 1/4"	117,30	15,70	63,50	58,70	35,10	57,20	88,90	4	42,2	15,70	1,47
1 1/2"	127,00	17,50	73,10	65,00	40,90	62,00	98,60	4	48,3	15,70	1,89
2"	152,40	19,10	91,90	77,70	52,60	63,50	120,70	4	60,5	19,10	2,82
2 1/2"	177,80	22,40	104,60	90,40	62,70	69,90	139,70	4	73,2	19,10	4,47
3"	190,50	23,90	127,00	108,00	78,00	69,90	152,40	4	88,9	19,10	5,32
4"	228,60	23,90	157,20	134,90	102,40	76,20	190,50	8	114,3	19,10	7,44
5"	254,00	23,90	185,70	163,60	128,30	88,90	215,90	8	141,2	22,40	9,32
6"	279,40	25,40	215,90	192,00	154,20	88,90	241,30	8	168,4	22,40	11,40
8"	342,90	28,40	269,70	246,10	202,70	101,60	298,50	8	219,2	22,40	18,76
10"	406,40	30,20	323,90	304,80	254,50	101,60	362,00	12	273,1	25,40	25,75
12"	482,60	31,80	381,00	365,30	304,80	114,30	431,80	12	323,9	25,40	39,51
14"	533,40	35,10	412,80	400,10	336,60	127,00	476,30	12	355,6	28,40	52,25
16"	596,90	36,60	469,90	457,20	387,40	127,00	539,80	16	406,4	28,40	64,62
18"	635,00	39,60	533,40	505,00	438,20	139,70	577,90	16	457,2	31,80	72,79



ANSI B16.5 300_{LBS} WELDING NECK RF

ANSI weld neck flanges are designed for high pressure and high temperature applications. Their tapered hub and butt-weld connection provide excellent mechanical strength and optimal stress distribution.

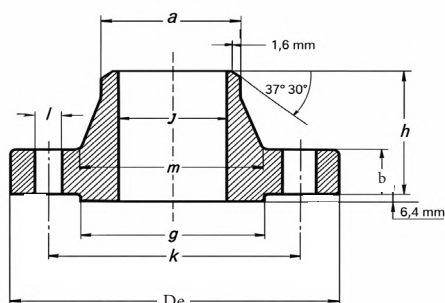


DN	De	b	g	m	j (sch)	h	k	Holes	a	f	Kg
1/2"	95,20	14,20	35,00	38,10	15,70	52,30	66,50	4	15,70	21,3	0,84
3/4"	117,30	15,70	42,90	47,70	20,80	57,10	82,50	4	19,00	26,7	1,40
1"	123,90	17,50	50,80*	53,80	26,70	62,00	88,90	4	19,00	33,5	1,77
1 1/4"	133,30	19,00	63,50	63,50	35,10	65,00	98,50	4	19,00	42,2	2,24
1 1/2"	155,40	20,60	73,10	69,80	40,90	68,30	114,30	4	22,30	48,3	3,17
2"	165,10	22,30	91,90	84,00	52,60	69,80	127,00	8	19,00	60,4	3,74
2 1/2"	190,50	25,40	104,60	100,00	62,70*	76,20	149,30	8	22,30	73,1	5,61*
3"	209,50	28,40	127,00	117,30	78,00	79,20	168,10	8	22,30	88,9	7,43
4"	254,00	31,70	157,20	146,00	102,40	85,80	200,10	8	22,30	114,3	12,10
5"	279,40	35,00	185,60	177,80	128,30	98,50	234,90	8	22,30	141,2	16,17
6"	317,50	36,50	215,90	206,20	154,20*	98,50	269,70	12	22,30	168,4	20,57
8"	381,00	41,10	269,70	260,30	202,70	111,20	330,20	12	25,40	219,2	31,52
10"	444,50	47,70	323,80	320,50	254,50	117,30	387,30	16	28,40	273,0	45,79
12"	520,70	50,80	381,00	374,60	304,80	130,00	450,80	16	31,70	323,8	65,68
14"	584,20	53,80	412,70	425,40	336,60	142,70	514,30	20	31,70	355,6	91,42
16"	647,70	57,10	469,90	482,60	387,40	146,00	571,50	20	35,00	406,4	113,61
18"	711,20	60,40	533,40	533,40	438,20	158,70	628,60	24	35,00	457,2	139,86
20"	774,70	63,50	584,20	587,20	489,00	162,00	685,80	24	35,00	508,0	168,54



ANSI B16.5 600LBS WELDING NECK RF

ANSI weld neck flanges are designed for high pressure and high temperature applications. Their tapered hub and butt-weld connection provide excellent mechanical strength and optimal stress distribution.

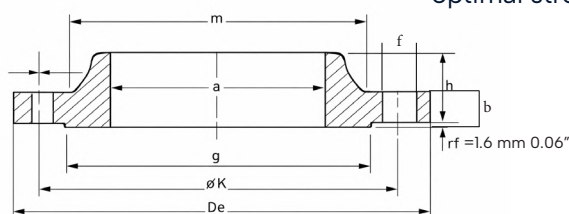


DN	De	b	g	m	j	h	k	Holes	l	a	Kg
1/2"	95,2	14,3	34,9	38,1	14	52,4	66,7	4	15,9	21,3	1,40
3/4"	117,5	15,9	42,9	47,6	18,8	57,1	82,5	4	19	26,7	1,80
1"	123,8	17,5	50,8	54	24,4	61,9	88,9	4	19	33,5	2,30
1 1/4"	133,3	20,6	63,5	63,5	32,5	66,7	98,4	4	19	42,2	3,20
1 1/2"	155,6	22,2	73	69,8	38,1	69,8	114,3	4	22,2	48,3	4,50
2"	165,1	25,4	92,1	84,1	49,3	73	127	8	19	60,4	5,40
2 1/2"	190,5	28,6	104,8	100	58,9	79,4	149,2	8	22,2	73,1	8,20
3"	209,5	31,7	127	117,5	73,7	82,5	168,3	8	22,2	88,9	10,40
4"	273	38,1	157,2	152,4	97,3	101,6	215,9	8	25,4	114,3	19,10
5"	330,2	44,4	185,7	188,9	122,2	114,3	266,7	8	28,6	141,2	30,90
6"	355,6	47,6	215,9	222,2	146,3	117,5	292,1	12	28,6	168,4	37,00
8"	419,1	55,6	269,9	273	193,8	133,3	349,2	12	31,7	219,2	53,00
10"	508	63,5	323,8	342,9	247,6	152,4	431,8	16	34,9	273	86,00
12"	558,8	66,7	381	400	298,4	155,6	488,9	20	34,9	323,8	103,00
16"	685,8	76,2	469,9	495,3	—	177,8	603,2	20	41,3	406,4	177



ANSI B16.5 150_{LBS} WELDING NECK RF XS

ANSI weld neck flanges are designed for high pressure and high temperature applications. Their tapered hub and butt-weld connection provide excellent mechanical strength and optimal stress distribution.



DN	De	b	g	m	j (sch)	h	k	Holes	a	f	Kg
1"	108,00	14,20	50,80	49,30	24,30	55,60	79,20	4	33,5	15,70	1,14
2"	152,40	19,10	91,90	77,70	49,30	63,50	120,70	4	60,5	19,10	2,82
4"	228,60	23,90	157,20	134,90	97,20	76,20	190,50	8	114,3	19,10	7,44
6"	279,40	25,40	215,90	192,00	146,30	88,90	241,30	8	168,4	22,40	11,40

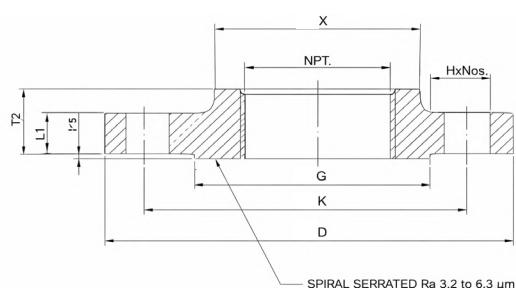
ANSI B16.5 Flanges

ZETAMEC
flange dal 1963



ANSI B16.5 150_{LBS} THREADED RF

ANSI threaded flanges feature an internal thread that allows connection to the pipe without the need for welding

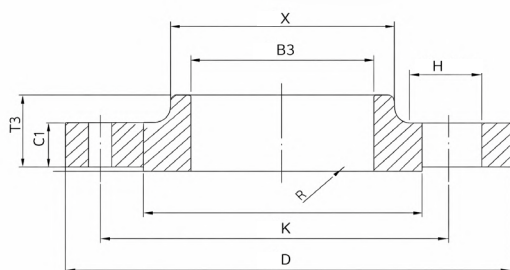


SIZE	D	K	G	t	T2	HxNos	X	NPT
1/2	88,9	60,5	35,1	9,7	14,2	15,9 x 4	30,2	1/2
3/4	98,6	69,9	42,9	11,2	14,2	15,9 x 4	38,1	3/4
1	108,0	79,2	50,8	12,7	15,7	15,9 x 4	49,3	1
1 1/4	117,3	88,9	63,5	14,2	19,1	15,9 x 4	58,7	1 1/4
1 1/2	127,0	98,6	73,2	15,7	20,6	15,9 x 4	65,0	1 1/2
2	152,4	120,7	91,9	17,5	23,9	19,1 x 4	77,7	2
2 1/2	177,8	139,7	104,6	20,6	26,9	19,1 x 4	90,4	2 1/2
3	190,5	152,4	127,0	22,4	28,4	19,1 x 4	108,0	3
3 1/2	215,9	177,8	139,7	22,4	30,2	19,1 x 8	122,2	3 1/2
4	228,6	190,5	157,2	22,4	31,8	19,1 x 8	134,9	4
5	254,0	215,9	185,7	22,4	35,1	22,2 x 8	163,6	5
6	279,4	241,3	215,9	23,9	38,1	22,2 x 8	192,0	6
8	342,9	298,5	269,7	26,9	42,9	22,2 x 8	246,1	8
10	406,4	362,0	323,9	28,4	47,8	25,4 x 12	304,8	10
12	482,6	431,8	381,0	30,2	53,8	25,4 x 12	365,3	12
14	533,4	476,3	412,8	33,3	55,6	28,6 x 12	400,1	14
16	596,9	539,8	469,9	35,1	62,0	28,6 x 16	457,2	16
18	635,0	577,9	533,4	38,1	66,5	31,8 x 16	505,0	18
20	698,5	635,0	584,2	41,1	71,4	31,8 x 20	558,8	20
24	812,8	749,3	692,2	46,0	81,0	34,9 x 20	663,4	24

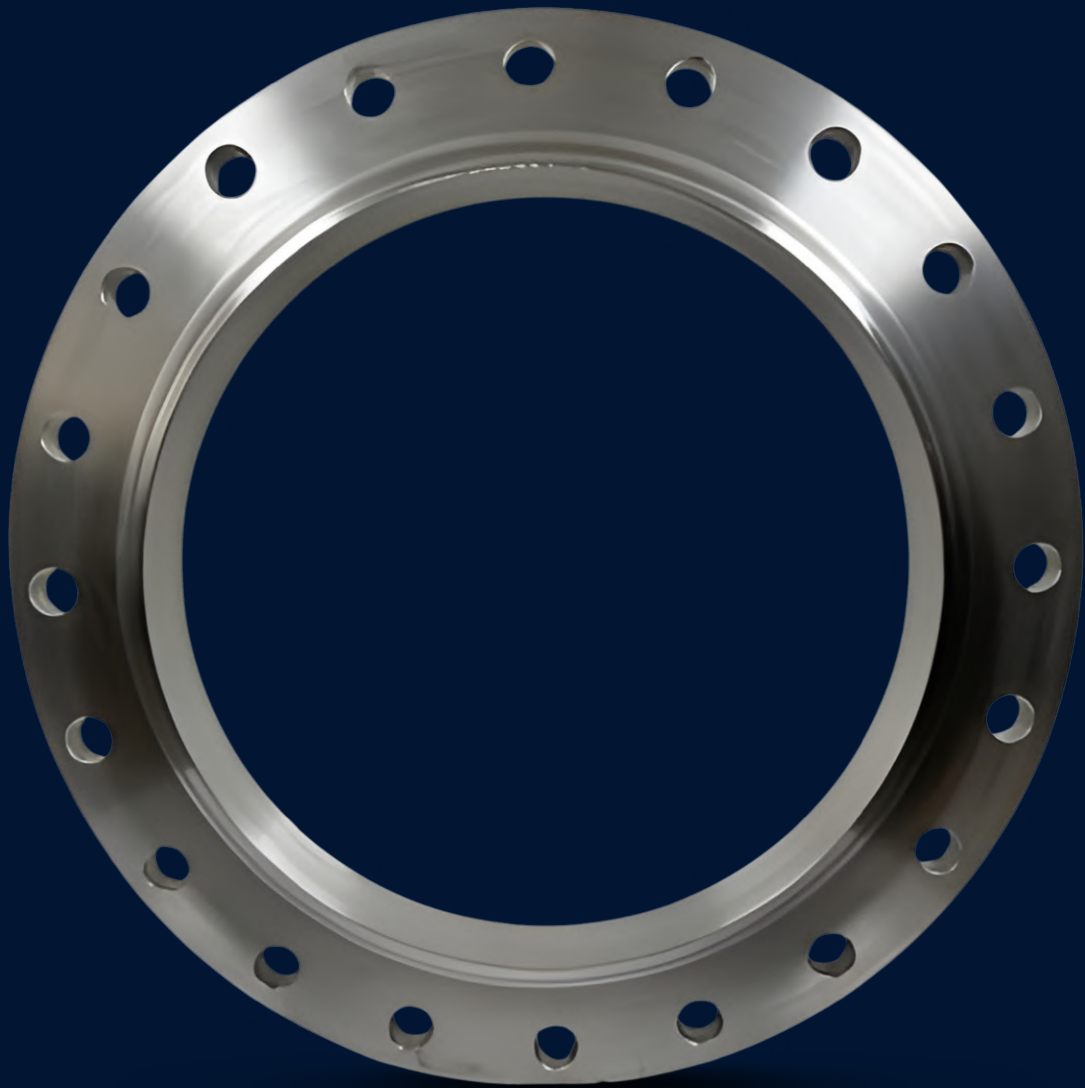


ANSI B16.5 150_{LBS} LAP JOINT FF

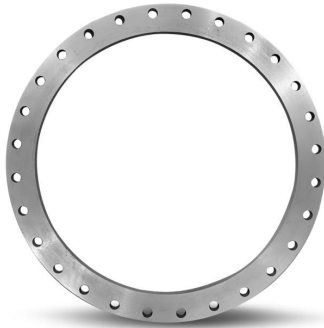
ANSI lap joint flanges are used in combination with a stub end welded to the pipe. This configuration allows the flange to rotate freely, facilitating bolt-hole alignment during installation.



DN	D	CI	R	X	B3	T3	K	Holes	H	Kg
1"	108,00	14,20	3,00	49,00	35,10	18,00	79,20	4	15,90	0,80
1 1/2"	127,00	17,50	6,40	65,00	50,00	22,40	98,60	4	15,70	1,30
2"	152,50	19,00	8,00	78,00	62,50	25,00	120,60	4	19,10	2,00
3"	190,50	23,90	9,70	108,00	91,40	30,20	152,40	4	19,10	3,81
4"	228,60	23,90	11,20	134,90	116,80	33,30	190,50	8	19,10	5,35
6"	279,40	25,40	12,70	192,00	171,50	39,60	241,30	8	22,40	7,76
8"	342,90	28,40	12,70	246,10	222,30	44,50	298,50	8	22,40	12,60
10"	406,40	30,20	12,70	304,80	277,40	49,30	362,00	12	25,40	17,60

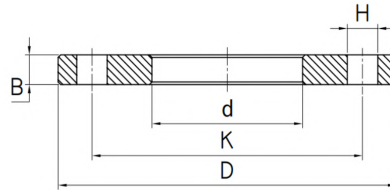


UNI Flanges

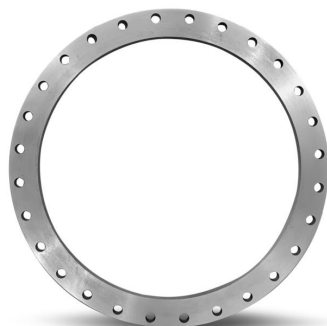


UNI 2276 PN6

UNI 2276 PN6 flat flanges are slip-on welding flanges designed for industrial applications with moderate operating pressures and temperatures.

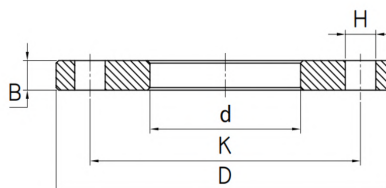


DN	PIPE	d	K	D	B	H	thread	N. of drills	kg
15	21,3	22	55	80	10	11	M10	4	0,335
20	26,9	27,5	65	90	12	11	M10	4	0,507
25	33,7	34	75	100	12	11	M10	4	0,618
32	42,4	43	90	120	14	14	M12	4	1,015
40	48,3	49	100	130	14	14	M12	4	1,183
50	60,3	61,5	110	140	14	14	M12	4	1,297
65	76,1	77	130	160	14	14	M12	4	1,629
80	88,9	90	150	190	16	18	M16	4	2,633
100	114,3	115,5	170	210	16	18	M16	4	2,96
125	139,7	141	200	240	18	18	M16	8	3,896
150	168,3	170	225	265	20	18	M16	8	4,774
175	193,7	195,5	255	295	22	18	M16	8	6,265
200	219,1	221	280	320	22	18	M16	8	6,91
250	273	275	335	375	24	18	M16	12	9,038
300	323,9	326	395	440	24	22	M20	12	12,056
350	355,6	358	445	490	26	22	M20	12	17,004
400	406,4	409	495	540	28	22	M20	16	20,114
450	457,2	460,2	550	595	28	22	M20	16	23,207
500	508	511	600	645	30	22	M20	20	26,847
600	609,6	612,6	705	755	30	25	M22	20	33,691
700	711,2	714,2	810	860	32	25	M22	24	42,301
800	812,8	815,8	920	975	34	30	M27	24	55,207
900	914,4	917,4	1020	1075	36	30	M27	24	64,867
1000	1016	1019	1120	1175	36	30	M27	28	70,338
1200	1220	1224	1340	1405	38	33	M30	32	103,267
1400	1420	1424	1560	1630	40	36	M33	36	143,573
1600	1620	1624	1760	1830	44	36	M33	40	178,41

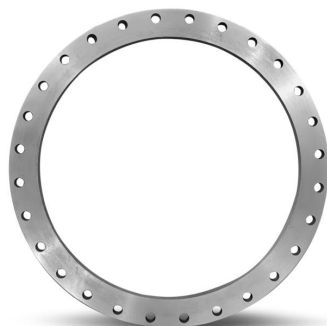


UNI 2277 PN10

UNI 2277 PN10 flat flanges are slip-on welding flanges designed for industrial applications with moderate operating pressures and temperatures.

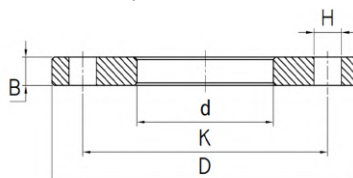


DN	PIPE	d	K	D	B	H	thread	N. of drills	kg
80	88,9	90,0	160	200	20	18	M16	4	3,772
600	609,6	612,6	725	780	36	30	M27	20	47,723
700	711,2	714,2	840	895	38	30	M27	24	63,071
800	812,8	815,8	950	1015	40	33	M30	24	83,451
900	914,4	917,4	1050	1115	42	33	M30	28	96,049
1000	1016,0	1019,0	1160	1230	44	36	M33	28	118,827
1200	1220,0	1224,0	1380	1455	46	39	M36	32	161,213
1400	1420,0	1424,0	1590	1675	48	42	M39	36	210,756



UNI 2278 PN16

UNI 2278 PN16 flat flanges are designed for slip-on welding applications and are suitable for industrial systems operating at moderate pressures and temperatures.

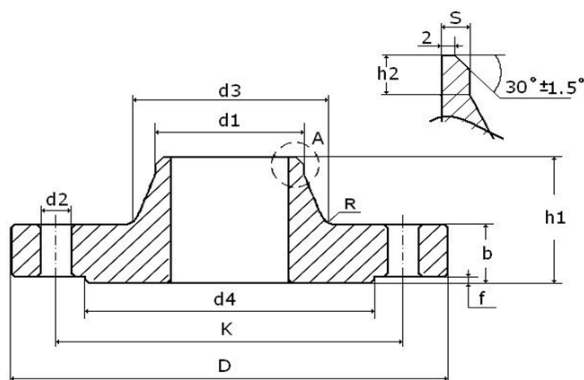


DN	PIPE	d	K	D	B	H	thread	N. of drills	kg
15	21,3	22,0	65	95	12	14	M12	4	0,574
20	26,9	27,5	75	105	14	14	M12	4	0,818
25	33,7	34,0	85	115	14	14	M12	4	0,974
32	42,4	43,0	100	140	16	18	M16	4	1,622
40	48,3	49,0	110	150	16	18	M16	4	1,854
50	60,3	61,5	125	165	18	18	M16	4	2,457
65	76,1	77,0	145	185	18	18	M16	4	2,995
80	88,9	90,0	160	200	20	18	M16	8	3,612
100	114,3	115,5	180	220	22	18	M16	8	4,402
125	139,7	141,0	210	250	24	18	M16	8	5,920
150	168,3	170,0	240	285	24	22	M20	8	7,166
200	219,1	221,0	295	340	26	22	M20	12	9,765
250	273,0	275,0	355	405	32	25	M22	12	15,953
300	323,9	326,0	410	460	32	25	M22	12	19,290
350	355,6	358,0	470	520	36	25	M22	16	29,335
400	406,4	409,0	525	580	38	30	M27	16	36,230
450	457,2	460,2	585	640	40	30	M27	20	44,323
500	508,0	511,0	650	715	42	33	M30	20	59,094
600	609,6	612,6	770	840	44	36	M33	20	82,535
700	711,2	714,2	840	910	46	36	M33	24	81,330
800	812,8	815,8	950	1025	48	39	M36x3	24	103,109
900	914,4	917,4	1050	1125	50	39	M36x3	28	117,518
1000	1016,0	1019,0	1170	1255	50	42	M36x3	28	149,752
1100	1120,0	1124,0	1270	1355	50	42	M39	32	159,048
1200	1220,0	1224,0	1390	1485	52	48	M45	32	202,939
1300	1320,0	1324,0	1490	1585	52	48	M45	32	219,666
1400	1420,0	1424,0	1590	1685	54	48	M45	36	242,418
1600	1620,0	1624,0	1820	1930	56	56	M52	40	331,156



UNI 2281 PN10

UNI 2281 PN10 weld neck flanges are butt-weld flanges designed for industrial applications with moderate operating pressures.

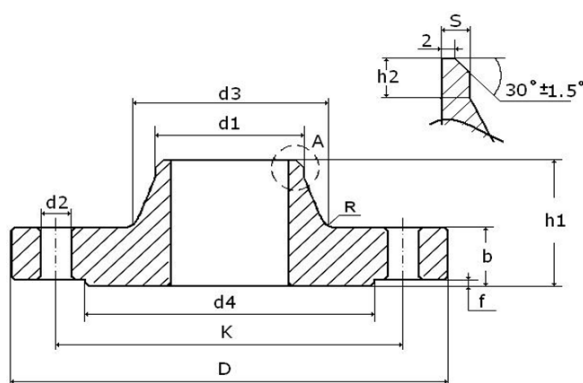


DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	No.	Thread	d2	Kg
80	88,9	200	20	160	50	105	3,2	8	10	138	3	4	M16	18	4,2
600	610	780	28	725	80	642	7,1	12	18	685	5	20	M27	30	50
700	711	895	30	840	80	745	8	12	18	800	5	24	M27	30	66,4
800	813	1015	32	950	90	850	8	12	18	905	5	24	M30	33	89,3
900	914	1115	34	1050	95	950	10	12	20	1005	5	28	M30	33	104
1000	1016	1230	34	1160	95	1052	10	16	20	1110	5	28	M33	36	115
1200	1220	1455	38	1380	115	1255	11	16	25	1330	5	32	M36	39	180

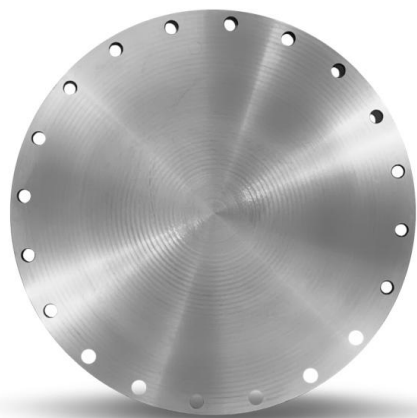


UNI 2282 PN16

UNI 2282 PN16 weld neck flanges are butt-weld flanges designed for industrial applications with moderate operating pressures.

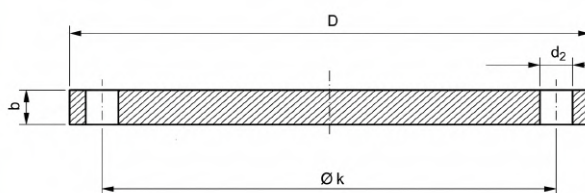


DN	d1	D	b	k	h1	d3	s	r	h2	d4	f	Holes	Thread	d2	Kg
600	610	840	36	770	95	652	8,8	12	18	725	5	20	M33	36	84,6
700	711	910	36	840	100	755	8,8	12	18	795	5	24	M33	36	87,4
800	813	1025	38	950	105	855	10	12	20	900	5	24	M36	39	109
900	914	1125	40	1050	110	955	10	12	20	1000	5	28	M36	39	129
1000	1016	1255	42	1170	120	1058	10	16	22	1115	5	28	M39	42	175
1200	1220	1485	48	1390	130	1262	12,5	16	30	1330	5	32	M45	48	257

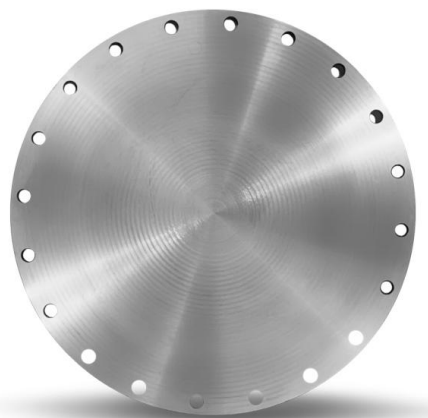


UNI 6091 PN6

UNI 6091 PN6 blind flanges are designed for low-pressure industrial applications. They are suitable for simple flanged connections and ensure ease of installation.

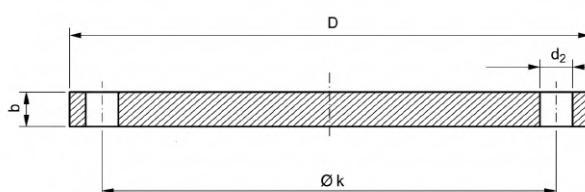


DN	k	D	b	d2	thread	N. of drills	kg
600	705	755	24	25	M22	20	82,455
700	810	860	24	25	M22	24	107,164
800	920	975	24	30	M27	24	137,397
900	1020	1075	26	30	M27	24	181,692
1000	1120	1175	26	30	M27	28	217,164
1100	1240	1305	30	33	M30	28	309,197
1200	1340	1405	32	33	M30	32	382,39

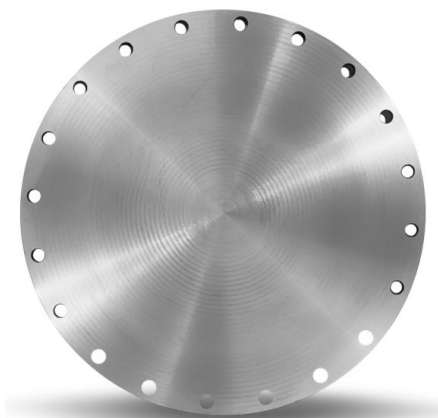


UNI 6092 PN10

UNI 6092 PN10 blind flanges are designed for low-pressure industrial applications. They are suitable for simple flanged connections and ensure ease of installation.

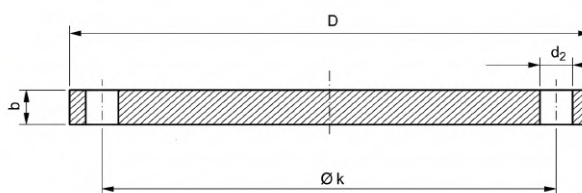


DN	k	D	b	d2	thread	N. of drills	kg
80	160	200	20	18	M16	4	4,758
200	295	340	24	22	M20	8	16,524
250	350	395	26	22	M20	12	24,068
300	400	445	26	22	M20	12	30,797
350	460	505	26	22	M20	16	39,619
400	515	565	26	25	M22	16	49,544
450	565	615	26	25	M22	20	58,596
500	620	670	28	25	M22	20	75,298
600	725	780	28	30	M27	20	123,699
700	840	895	30	30	M27	24	144,09
800	950	1015	33	33	M30	24	204,186
900	1050	1115	34	33	M30	28	254,088
1000	1160	1230	34	36	M33	28	309,375
1100	1270	1340	36	36	M33	32	389,138
1200	1380	1455	38	39	M36	32	484,337
1300	1490	1575	38	43	M39	32	567,022
1400	1590	1675	38	43	M39	36	641,394
1500	1700	1785	40	43	M39	36	768,965
1600	1820	1915	40	48	M45	40	881,218

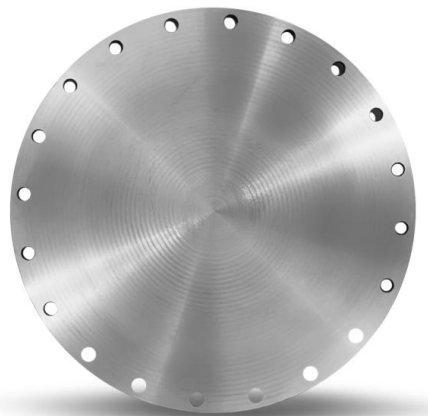


UNI 6093 PN16

UNI 6093 PN16 blind flanges are designed for low-pressure industrial applications. They are suitable for simple flanged connections and ensure ease of installation.

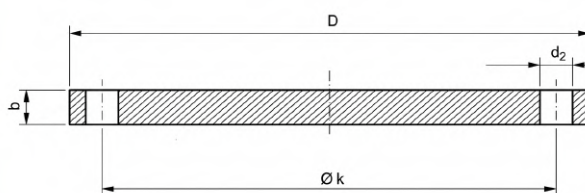


DN	k	D	b	d2	thread	N. of drills	kg
600	770	840	36	36	M33	20	150,781
700	840	910	38	36	M33	24	186,629
800	950	1025	38	39	M36	24	249,971
900	1050	1125	40	39	M36	28	316,54
1000	1170	1255	42	42	M39	28	413,659
1200	1390	1485	44	48	M45	32	611
1400	1590	1685	46	48	M45	36	821
1600	1820	1930	46	56	M52	40	970



UNI 6094 PN25

UNI 6094 PN25 blind flanges are designed for low-pressure industrial applications. They are suitable for simple flanged connections and ensure ease of installation.



DN	k	D	b	d2	thread	N. of drills	kg
200	310	360	30	25	M22	12	22,572
250	370	425	32	30	M27	12	33,488
300	430	485	34	30	M27	16	46,266
350	490	555	38	33	M30	16	68,049
400	550	620	40	36	M33	16	89,64
450	600	670	42	36	M33	20	109,473
500	660	730	44	36	M33	20	137,462

ZETAMEC
flange dal 1963

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