



M. Geldbach (Shanxi) Flange & Fittings Co., Ltd.

Lijiazhuang Village, Dingxiang County, Shanxi Province, 035400,
People's Republic of China

www.geldbachshanxi.com
info@geldbachshanxi.com
+86 22 24335651

FLANGES


ANSI B16.5
ANSI B16.47 Series A
ANSI B16.47 Series B
B. S. 3293





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2) Thank you for read this Flange Data Sheetbook, If there is any problems, please contact info@geldbachshanxi.com.



Production Range

Produktionsprogramm

When using printed standards, the most recent issue of the original version shall prevail.

Maßgebend für das Anwenden der abgedruckten Normen ist deren Original-Fassung mit dem neuesten Ausgabedatum.



Type of Flange Flanschenart	ANSI B16.5	BS3293 *)	ANSI B16.47 Series A MSS SP 44 *)	ANSI B16.47 Series B API Std 605 *)	ANSI B16.36
	Nominal Pressure Nenndruck lb / sq. in.				
Welding Neck Flanges Vorschweißflansche	150-2500	150-600	150-900	75-900	300-2500
welding neck Flanges Ring Joint Type Vorschweißflansche mit Ringnut	150-2500	300-600	300-900		
Slip-on Flanges Überschiebflansche	150-1500	150-600			
Slip-on Flanges Ring Joint Type Überschiebflansche mit Ringnut	150-1500	300-600			
Lap Joint Flanges Lose Flansche	150-2500				
Blind Flanges Blindflansche	150-2500		150-900		
Socket Welding Flanges Einsteckschweißflansche	150-1500				
Threaded Flanges Gewindeflansche	150-2500				
Reducing Flanges Reduktionsflansche ¹⁾	150-2500				
Orifice Meßscheibenflansche ¹⁾					
Short Stub Ends Vorschweißbunde ¹⁾					
Long Welding Necks Flanschstützen ¹⁾					

*) for flanges from nominal size 26"

¹⁾ Flanges of special design on enquiry

*) für Flansche ab DN 26"

¹⁾ Flanche in Sonderausführung auf Anfrage



General Survey and Technical terms of delivery

Allgemeiner Überblick und Technische Lieferbedingungen



Type of Flange Flanschenart							
Nominal Pressure lb/sq. in.	150	300	400	600	900	1500	2500
Nenndruck kp/cm ²	10.6	21.1	28.1	42.2	63.3	106	176
Nenndruck N/cm ²	104	207	276	414	621	1030	1726
Type of Flange Flanschenart	from ½" to max. Nominal Sizes * von ½" bis max. Nennweiten *						
Welding Neck Flanges Vorschweißflansche	24"	24"	24"	24"	24"	24"	12"
Slip-on Flanges Überschiebflansche	24"	24"	24"	24"	24"	2½"	--
Lap Joint Flanges Lose Flansche	24"	24"	24"	24"	24"	24"	12"
Blind Flanges Blindflansche	24"	24"	24"	24"	24"	24"	12"
Socket Welding Flanges Einsteckschweißflansche	3"	3"	--	3"	--	2½"	--
Threaded Flanges Gewindeflansche	24"	24"	24"	24"	24"	24"	12"

*) for larger flanges than 24" see B. S. 3293, ANSI 16.47 Series A / B
 *) Flansche über NW 25" siehe B. S. 3293, ANSI 16.47 Reihe A / B

Technical Terms of delivery	Technische Lieferbedingungen
Flanges are furnished faced and drilled. Flanges are back faced or spot faced according to MSS-SP 9. This applies to spot facing. Flanges are bored to the foreseen dimensions unless other with required.	Die Flansche werden bearbeitet und gebohrt geliefert. Die Mutterauflageflächen sind gedreht oder nach MSS-SP 9 hinterfräst. Die Flansche werden mit den angegebenen Mittellochdurchmessern geliefert, wenn nichts anderes vorgeschrieben wird.

Technical Terms of delivery	Ergänzende Bemerkung zu Toleranzen
(Not covered by ANSI B 16.5) Tolerances followed DIN 2512 Height of Facing ± 0.5mm	(Nicht in ANSI B 16.5 enthalten) Toleranzen in Anlehnung an DIN 2512 Dichtleistenhöhe ± 0.5mm

Example of Marking	Beispiel für die kennzeichnung
Flanges are marked as required in ANSI B 16.5 with the following dates: Manufacturer's name or trade mark B 16 Nominal size Primary service pressure Material designation Heat code Schedule No. Ring Number only when using Ring Joint Flanges	Flansche sind gekennzeichnet nach ANSI B 16.5: Herstellernamen oder Handelsmarke B 16 Nennweite Nenndruckstufe Werkstoffbezeichnung Chargen-Nr. Schedule-Nr. Ring-Nr. Bei RTJ Nut Flansche



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less		
	DN in.	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs		Schedule Nr.	
1/8"		0.405	10.3	0.049	1.24	0.307	7.8	5L	STD	10	10S	
				0.057	1.45	0.291	7.4			30	40S	
				0.068	1.73	0.269	6.8			40	80S	
				0.095	2.41	0.215	5.5			80		
1/4"		0.540	13.7	0.065	1.65	0.410	10.4	5L	STD	10	10S	
				0.073	1.85	0.394	10.0			30	40S	
				0.088	2.24	0.364	9.2			40	80S	
				0.119	3.02	0.302	7.7			80		
3/8"		0.675	17.1	0.065	1.65	0.545	13.8	5L	STD	10	10S	
				0.073	1.85	0.529	13.4			30	40S	
				0.091	2.31	0.493	12.5			40	80S	
				0.126	3.20	0.423	10.7			80		
1/2"		0.840	21.3	0.065	1.65	0.710	18.0	5L	STD	5	5S	
				0.083	2.11	0.674	17.1			10	10S	
				0.095	2.41	0.650	16.5			30	40S	
				0.109	2.77	0.622	15.8			40	80S	
				0.147	3.73	0.546	13.9			80		
				0.188	4.78	0.464	11.8			160		
				0.294	7.47	0.252	6.4			5L	XXS	
3/4"		1.050	26.7	0.065	1.65	0.920	23.4	5L	STD	5	5S	
				0.083	2.11	0.884	22.5			10	10S	
				0.095	2.41	0.860	21.8			30	40S	
				0.113	2.87	0.824	20.9			40	80S	
				0.154	3.91	0.742	18.8			80		
				0.219	5.56	0.612	15.5			160		
				0.308	7.82	0.434	11.0			5L	XXS	
1"		1.315	33.4	0.065	1.65	1.185	30.1	5L	STD	5	5S	
				0.109	2.77	1.097	27.9			10	10S	
				0.114	2.90	1.087	27.6			30	40S	
				0.133	3.38	1.049	26.6			40	80S	
				0.179	4.55	0.957	24.3			80		
				0.250	6.35	0.815	20.7			160		
				0.358	9.09	0.599	15.2			5L	XXS	
1-1/4"		1.660	42.2	0.065	1.65	1.530	38.9	5L	STD	5	5S	
				0.109	2.77	1.442	36.6			10	10S	
				0.117	2.97	1.426	36.2			30	40S	
				0.140	3.56	1.380	35.1			40	80S	
				0.191	4.85	1.278	32.5			80		
				0.250	6.35	1.160	29.5			160		
				0.382	9.70	0.896	22.8			5L	XXS	
1-1/2"		1.900	48.3	0.065	1.65	1.770	45.0	5L	STD	5	5S	
				0.109	2.77	1.682	42.7			10	10S	
				0.125	3.18	1.650	41.9			30	40S	
				0.145	3.68	1.610	40.9			40	80S	
				0.200	5.08	1.500	38.1			80		
				0.281	7.14	1.338	34.0			160		
				0.400	10.15	1.100	27.9			5L	XXS	
2"		2.375	60.3	0.065	1.65	2.245	57.0	5L	STD	5	5S	
				0.109	2.77	2.157	54.8			10	10S	
				0.125	3.18	2.125	54.0			30	40S	
				0.154	3.91	2.067	52.5			40	80S	
				0.218	5.54	1.939	49.3			80		
				0.344	8.74	1.687	42.8			160		
				0.436	11.07	1.503	38.2			5L	XXS	

1) Std. = Standard Wall

XS = Extra Strong, XXS = Double Extra Strong

2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
2-1/2"	2.875	73.0	0.083	2.11	2.709	68.8	5L	STD XS	5	5S 10S 30 40 80 160
			0.120	3.05	2.635	66.9				
			0.188	4.78	2.499	63.5				
			0.203	5.16	2.469	62.7				
			0.276	7.01	2.323	59.0				
			0.375	9.53	2.125	54.0				
			0.552	14.02	1.771	45.0				
3"	3.500	88.9	0.083	2.11	3.334	84.7	5L	STD XS XXS	5	5S 10S 30 40 80 160
			0.120	3.05	3.260	82.8				
			0.125	3.18	3.250	82.6				
			0.156	3.96	3.188	81.0				
			0.188	4.78	3.124	79.3				
			0.216	5.49	3.068	77.9				
			0.250	6.35	3.000	76.2				
			0.281	7.14	2.938	74.6				
			0.300	7.62	2.900	73.7				
			0.438	11.13	2.624	66.6				
0.600	15.24	2.300	58.4							
3-1/2"	4.000	101.6	0.083	2.11	3.834	97.4	5L	STD XS	5	5S 10S 30 40 80
			0.120	3.05	3.760	95.5				
			0.125	3.18	3.750	95.3				
			0.156	3.96	3.688	93.7				
			0.188	4.78	3.624	92.0				
			0.226	5.74	3.548	90.1				
			0.250	6.35	3.500	88.9				
			0.281	7.14	3.438	87.3				
			0.318	8.08	3.364	85.4				
			4"	4.500	114.3	0.083			2.11	
0.120	3.05	4.260				108.2				
0.125	3.18	4.250				108.0				
0.156	3.96	4.188				106.4				
0.188	4.78	4.124				104.7				
0.219	5.56	4.062				103.2				
0.237	6.02	4.026				102.3				
0.250	6.35	4.000				101.6				
0.281	7.14	3.938				100.0				
0.312	7.92	3.876				98.5				
0.337	8.56	3.826				97.2				
0.438	11.13	3.624				92.0				
0.531	13.49	3.438				87.3				
0.674	17.12	3.152	80.1							
5"	5.563	141.3	0.109	2.77	5.345	135.8	5L	STD XS XXS	5	5S 10S 30 40 80 120 160
			0.134	3.40	5.295	134.5				
			0.156	3.96	5.251	133.4				
			0.188	4.78	5.187	131.7				
			0.219	5.56	5.125	130.2				
			0.258	6.55	5.047	128.2				
			0.281	7.14	5.001	127.0				
			0.312	7.92	4.939	125.5				
			0.344	8.74	4.875	123.8				
			0.375	9.53	4.813	122.2				
			0.500	12.70	4.563	115.9				
			0.625	15.88	4.313	109.6				
			0.750	19.05	4.063	103.2				

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2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
6"	6.625	168.3	0.109	2.77	6.407	162.8			5	5S
			0.134	3.40	6.357	161.5	5L		10	10S
			0.188	4.78	6.249	158.7	5L			
			0.219	5.56	6.187	157.2	5L			
			0.250	6.35	6.125	155.6	5L			
			0.280	7.11	6.065	154.1	5L	STD	40	40S
			0.312	7.92	6.001	152.5	5L			
			0.344	8.74	5.937	150.8	5L			
			0.375	9.53	5.875	149.2	5L			
			0.432	10.97	5.761	146.4	5L	XS	80	80S
			0.562	14.27	5.501	139.8			120	
			0.719	18.26	5.187	131.8			160	
			0.864	21.95	4.897	124.4	5L	XXS		
8"	8.625	219.1	0.109	2.77	8.407	213.6			5	5S
			0.148	3.76	8.329	211.6			10	10S
			0.188	4.78	8.249	209.5	5L			
			0.219	5.56	8.187	208.0	5L			
			0.250	6.35	8.125	206.4	5L		20	
			0.277	7.04	8.071	205.0	5L		30	
			0.312	7.92	8.001	203.3	5L			
			0.322	8.18	7.981	202.7	5L	STD	40	40S
			0.344	8.74	7.937	201.6	5L			
			0.375	9.53	7.875	200.0	5L			
			0.406	10.31	7.813	198.5			60	
			0.438	11.13	7.749	196.8	5L			
			0.500	12.70	7.625	193.7	5L	XS	80	80S
			0.594	15.09	7.437	188.9			100	
			0.719	18.26	7.187	182.6			120	
0.812	20.62	7.001	177.9			140				
0.875	22.23	6.875	174.6	5L	XXS					
0.906	23.01	6.813	173.1			160				
10"	10.750	273.0	0.134	3.40	10.482	266.2			5	5S
			0.165	4.19	10.420	264.6			10	10S
			0.188	4.78	10.374	263.4	5L			
			0.219	5.56	10.312	261.9	5L			
			0.250	6.35	10.250	260.3	5L		20	
			0.279	7.09	10.192	258.8	5L			
			0.307	7.80	10.136	257.4	5L		30	
			0.344	8.74	10.062	255.5	5L			
			0.365	9.27	10.020	254.5	5L	STD	40	40S
			0.438	11.13	9.874	250.7	5L			
			0.500	12.70	9.750	247.6	5L	XS	60	80S
			0.594	15.09	9.562	242.8			80	
			0.719	18.26	9.312	236.5	5L		100	
			0.844	21.55	9.062	230.1			120	
			1.000	25.40	8.750	222.2	5L	XXS	140	
1.125	28.58	8.500	215.8			160				
12"	12.750	323.8	0.156	3.96	12.438	315.9			5	5S
			0.180	4.57	12.390	314.7			10	10S
			0.203	5.16	12.344	313.5	5L			
			0.219	5.56	12.312	312.7	5L			
			0.250	6.35	12.250	311.1	5L		20	
			0.281	7.14	12.188	309.5	5L			
0.312	7.92	12.126	308.0	5L						

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Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less	
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.		
cont'd / Forts. 12"	12.750	323.8	0.330	8.38	12.090	307.0	5L	STD	30	40S	
			0.344	8.74	12.062	306.3	5L				
			0.375	9.53	12.000	304.7	5L				
			0.406	10.31	11.938	303.2	5L				
			0.438	11.13	11.874	301.5	5L				
			0.500	12.70	11.750	298.4	5L		XS		
			0.562	14.27	11.626	295.3	5L				60
			0.688	17.48	11.374	288.8	5L				80
			0.844	21.44	11.062	280.9	5L		XXS		100
			1.000	25.40	10.750	273.0	5L				120
			1.125	28.58	10.500	266.6	5L				140
			1.312	33.32	10.126	257.2	5L				160
14"	14.000	355.6	0.156	3.96	13.688	347.7	5L	STD	5	5S 10S	
			0.188	4.78	13.624	346.0					
			0.210	5.33	13.580	344.9					
			0.219	5.56	13.562	344.5					
			0.250	6.35	13.500	342.9					
			0.281	7.14	13.438	341.3					
			0.312	7.92	13.376	339.8					
			0.344	8.74	13.312	338.1					
			0.375	9.53	13.250	336.5					
			0.438	11.13	13.124	333.3					
			0.469	11.91	13.062	331.8					
			0.500	12.70	13.000	330.2					
			0.594	15.09	12.812	325.4					
			0.750	19.05	12.500	317.5					
			0.938	23.83	12.124	307.9					
			1.094	27.79	11.812	300.0					
			1.250	31.75	11.500	292.1					
1.406	35.71	11.188	284.2								
16"	16.000	406.4	0.165	4.19	15.670	398.0	5L	STD	5	5S 10S	
			0.188	4.78	15.624	396.8					
			0.219	5.56	15.562	395.3					
			0.250	6.35	15.500	393.7					
			0.281	7.14	15.438	392.1					
			0.312	7.92	15.376	390.6					
			0.344	8.74	15.312	388.9					
			0.375	9.53	15.250	387.3					
			0.438	11.13	15.124	384.1					
			0.469	11.91	15.062	382.6					
			0.500	12.70	15.000	381.0					
			0.656	16.66	14.688	373.1					
			0.844	21.44	14.312	363.5					
			1.031	26.19	13.938	354.0					
			1.219	30.96	13.562	344.5					
			1.438	36.53	13.124	333.3					
			1.594	40.49	12.812	325.4					

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Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
18"	18.000	457.2	0.165	4.19	17.670	448.8			5	5S
			0.188	4.78	17.624	447.6			10	10S
			0.250	6.35	17.500	444.5	5L		20	
			0.281	7.14	17.438	442.9	5L	STD		
			0.312	7.92	17.376	441.4	5L			
			0.344	8.74	17.312	439.7	5L			
			0.375	9.54	17.250	438.1	5L			
			0.406	10.31	17.188	436.6	5L			
			0.438	11.13	17.124	434.9	5L	XS	30	
			0.469	11.91	17.062	433.4	5L			
			0.500	12.70	17.000	431.8	5L			
			0.562	14.27	16.876	428.7	5L		40	
			0.750	19.05	16.500	419.1	5L		60	
			0.938	23.83	16.124	409.5	5L		80	
			1.156	29.36	15.688	398.5			100	
			1.375	34.93	15.250	387.3		120		
			1.562	39.67	14.876	377.9		140		
1.781	45.24	14.438	366.7		160					
20"	20.000	508.0	0.188	4.78	19.624	498.4			5	5S
			0.219	5.54	19.562	496.9			10	10S
			0.250	6.35	19.500	495.3	5L		20	
			0.281	7.14	19.438	493.7	5L	STD		
			0.312	7.92	19.376	492.2	5L			
			0.344	8.74	19.312	490.5	5L			
			0.375	9.53	19.250	488.9	5L			
			0.406	10.31	19.188	487.4	5L			
			0.438	11.13	19.124	485.7	5L	XS	30	
			0.469	11.91	19.062	484.2	5L			
			0.500	12.70	19.000	482.6	5L			
			0.594	15.09	18.812	477.8			40	
			0.812	20.62	18.376	466.8	5L		60	
			1.031	26.19	17.938	455.6			80	
			1.281	32.54	17.438	442.9			100	
			1.500	38.10	17.000	431.8		120		
			1.750	44.45	16.500	419.1		140		
1.969	50.01	16.062	408.0		160					
22"	22.000	558.8	0.188	4.78	21.624	549.2			5	5S
			0.218	5.54	21.564	547.7			10	10S
			0.250	6.35	21.500	546.1	5L		20	
			0.281	7.14	21.438	544.5	5L	STD		
			0.312	7.92	21.376	543.0	5L			
			0.344	8.74	21.312	541.3	5L			
			0.375	9.53	21.250	539.7	5L			
			0.406	10.31	21.188	538.2	5L			
			0.438	11.13	21.124	536.5	5L	XS	30	
			0.469	11.91	21.062	535.0	5L			
			0.500	12.70	21.000	533.4	5L			
			0.625	15.88	20.750	527.0	5L		60	
			0.875	22.23	20.250	514.3	5L		80	
			1.125	28.58	19.750	501.6	5L		100	
			1.375	34.93	19.250	488.9	5L		120	
			1.625	41.28	18.750	476.2		140		
			1.875	47.63	18.250	463.5		160		
2.125	53.98	17.750	450.8							

1) Std. = Standard Wall

XS = Extra Strong, XXS = Double Extra Strong

2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less		
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.			
24"	24.000	609.6	0.218	5.54	23.564	598.5			5	5S 10S		
			0.250	6.35	23.500	596.9	5L		10			
			0.281	7.14	23.438	595.3	5L	STD	20			
			0.312	7.92	23.376	593.8	5L					
			0.344	8.74	23.312	592.1	5L					
			0.375	9.53	23.250	590.5	5L					
			0.406	10.31	23.188	589.0	5L					
			0.438	11.13	23.124	587.3	5L					
			0.469	11.91	23.062	585.8	5L					
			0.500	12.70	23.000	584.2	5L				XS	30 40 60 80 100 120 140 160
			0.562	14.27	22.876	581.1	5L					
			0.688	17.48	22.624	574.6	5L					
			0.969	24.61	22.062	560.4						
			1.219	30.96	21.562	547.7						
			1.531	38.89	20.938	531.8						
			26"	26.000	660.4	0.250	6.35	25.500	647.7		5L	
0.281	7.14	25.438				646.1	5L					
0.312	7.92	25.376				644.6	5L					
0.344	8.74	25.312				642.9	5L					
0.375	9.53	25.250				641.3	5L	STD				
0.406	10.31	25.188				639.8	5L					
0.438	11.13	25.124				638.1	5L					
0.469	11.91	25.062				636.6	5L					
0.500	12.70	25.000				635.0	5L					
0.562	14.27	24.876				631.9	5L		XS	20		
28"	28.000	711.2	0.250	6.35	27.500	698.5	5L				10	
			0.281	7.14	27.438	696.9	5L					
			0.312	7.92	27.376	695.4	5L					
			0.344	8.74	27.312	693.7	5L					
			0.375	9.53	27.250	692.1	5L	STD				
			0.406	10.31	27.188	690.6	5L					
			0.438	11.13	27.124	688.9	5L					
			0.469	11.91	27.062	687.4	5L					
			0.500	12.70	27.000	685.8	5L					
0.625	15.88	26.750	679.4	5L	XS	20 30						
30"	32.000	812.8	0.250	6.35			29.500	749.3	5L		5 10	5S 10S
			0.281	7.14			29.438	747.7	5L			
			0.312	7.92	29.376	746.2	5L					
			0.344	8.74	29.312	744.5	5L					
			0.375	9.53	29.250	742.9	5L	STD				
			0.406	10.31	29.188	741.4	5L					
			0.438	11.13	29.124	739.7	5L					
			0.469	11.91	29.062	738.2	5L					
			0.500	12.70	29.000	736.6	5L					
			0.625	15.88	28.750	730.2	5L		XS	20 30		

1) Std. = Standard Wall

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2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
32"	32.000	812.8	0.250	6.35	31.500	800.1	5L	STD	10	
			0.281	7.14	31.438	798.5	5L			
			0.312	7.92	31.376	797.0	5L			
			0.344	8.74	31.312	795.3	5L			
			0.375	9.53	31.250	793.7	5L			
			0.406	10.31	31.188	792.2	5L			
			0.438	11.13	31.124	790.5	5L			
			0.469	11.91	31.062	789.0	5L			
			0.500	12.70	31.000	787.4	5L			
			0.625	15.88	30.750	781.0	5L			
34"	34.000	863.6	0.250	6.35	33.500	850.9	5L	STD	10	
			0.281	7.14	33.438	849.3	5L			
			0.312	7.92	33.376	847.8	5L			
			0.344	8.74	33.312	846.1	5L			
			0.375	9.53	33.250	844.5	5L			
			0.406	10.31	33.188	843.0	5L			
			0.438	11.13	33.124	841.3	5L			
			0.469	11.91	33.062	839.8	5L			
			0.500	12.70	33.000	838.2	5L			
			0.625	15.88	32.750	831.8	5L			
36"	36.000	914.4	0.250	6.35	35.500	901.7	5L	STD	10	
			0.281	7.14	35.438	900.1	5L			
			0.312	7.92	35.376	898.6	5L			
			0.344	8.74	35.312	896.9	5L			
			0.375	9.53	35.250	895.3	5L			
			0.406	10.31	35.188	893.8	5L			
			0.438	11.13	35.124	892.1	5L			
			0.469	11.91	35.062	890.6	5L			
			0.500	12.70	35.000	889.0	5L			
			0.562	14.27	34.876	885.9	5L			
38"	38.000	965.2	0.312	7.92	37.376	949.4	5L	STD		
			0.344	8.74	37.312	947.7	5L			
			0.375	9.53	37.250	946.1	5L			
			0.406	10.31	37.188	944.6	5L			
			0.438	11.13	37.124	942.9	5L			
			0.469	11.91	37.062	941.4	5L			
			0.500	12.70	37.000	939.8	5L			
			0.562	14.27	36.876	936.7	5L			
			0.625	15.88	36.750	933.4	5L			
			0.688	17.48	36.624	930.2	5L			
38"	38.000	965.2	0.750	19.05	34.500	876.3	5L	XS	20	30
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
			0.750	19.05	34.500	876.3	5L			
0.750	19.05	34.500	876.3	5L						

1) Std. = Standard Wall

XS = Extra Strong, XXS = Double Extra Strong

2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less	
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.		
40"	40.000	1016.0	0.312	7.92	39.376	1000.2	5L	STD			
			0.344	8.74	39.312	998.5	5L				
			0.375	9.53	39.250	996.9	5L				
			0.406	10.31	39.188	995.4	5L				
			0.438	11.13	39.124	993.7	5L				
			0.469	11.91	39.062	992.2	5L				
			0.500	12.70	39.000	990.6	5L				XS
			0.562	14.27	38.876	987.5	5L				
			0.625	15.88	38.750	984.2	5L				
			0.688	17.48	38.624	981.0	5L				
			0.750	19.05	38.500	977.9	5L				
42"	42.000	1066.8	0.344	8.74	41.312	1049.3	5L	STD			
			0.375	9.53	41.250	1047.7	5L				
			0.406	10.31	41.188	1046.2	5L				
			0.438	11.13	41.124	1044.5	5L				
			0.469	11.91	41.062	1043.0	5L				
			0.500	12.70	41.000	1041.4	5L				XS
			0.562	14.27	40.876	1038.3	5L				
			0.625	15.88	40.750	1035.0	5L				
			0.688	17.48	40.624	1031.8	5L				
			0.750	19.05	40.500	1028.7	5L				
			44"	44.000	1117.6	0.344	8.74				43.312
0.375	9.53	43.250				1098.5	5L				
0.406	10.31	43.188				1097.0	5L				
0.438	11.13	43.124				1095.3	5L				
0.469	11.91	43.062				1093.8	5L				
0.500	12.70	43.000				1092.2	5L	XS			
0.562	14.27	42.876				1089.1	5L				
0.625	15.88	42.750				1085.8	5L				
0.688	17.48	42.624				1082.6	5L				
0.750	19.05	42.500				1079.5	5L				
0.812	20.62	40.376				1076.4					
0.875	22.23	40.250				1073.1					
0.938	23.83	40.124				1069.9					
1.000	25.40	40.000				1066.8					
1.062	26.97	39.876				1063.7					
1.125	28.58	39.750				1060.4					
1.188	30.18	39.624				1057.2					
1.250	31.75	39.500				1054.1					

1) Std. = Standard Wall

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2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
46"	46.000	1168.0	0.344	8.74	45.312	1150.5		STD		
			0.375	9.53	45.250	1148.9				
			0.406	10.31	45.188	1147.4				
			0.438	11.13	45.124	1145.7				
			0.459	11.91	45.082	1144.2				
			0.500	12.70	45.000	1142.6				
			0.562	14.27	44.876	1139.5				
			0.625	15.88	44.750	1136.2				
			0.688	17.48	44.624	1133.0				
			0.750	19.05	44.500	1129.9				
			0.812	20.62	44.376	1126.8				
			0.875	22.23	44.250	1123.5				
			0.938	23.83	44.124	1120.3				
			1.000	25.40	44.000	1117.2				
			1.062	26.97	43.876	1114.1				
1.125	28.58	43.750	1110.8							
1.188	30.18	43.624	1107.6							
1.250	31.75	43.500	1104.5							
48"	48.000	1219.0	0.344	8.74	47.312	1201.5		STD		
			0.375	9.53	47.250	1199.9				
			0.406	10.31	47.188	1198.4				
			0.438	11.13	47.124	1196.7				
			0.469	11.91	47.062	1195.2				
			0.500	12.70	47.000	1193.6				
			0.562	14.27	46.876	1190.5				
			0.625	15.88	46.750	1187.2				
			0.688	17.48	46.624	1184.0				
			0.750	19.05	46.500	1180.9				
			0.812	20.62	46.376	1177.8				
			0.875	22.23	46.250	1174.5				
			0.938	23.83	46.124	1171.3				
			1.000	25.40	46.000	1168.2				
			1.062	26.97	45.876	1165.1				
1.125	28.58	45.750	1161.8							
1.188	30.18	45.624	1158.6							
1.250	31.75	45.500	1155.5							
52"	52.000	1321.0	0.375	9.53	51.250	1301.9				
			0.406	10.31	51.188	1300.4				
			0.438	11.13	51.124	1298.7				
			0.469	11.91	51.062	1297.2				
			0.500	12.70	51.000	1295.6				
			0.562	14.27	50.876	1292.5				
			0.625	15.88	50.750	1289.2				
			0.688	17.48	50.624	1286.0				
			0.750	19.05	50.500	1282.9				
			0.812	20.62	50.376	1279.8				
			0.875	22.23	50.250	1276.5				
			0.938	23.83	50.124	1273.3				
			1.000	25.40	50.000	1270.2				
			1.062	26.97	49.876	1267.1				
			1.125	28.58	49.750	1263.8				
1.188	30.18	49.624	1260.6							
1.250	31.75	49.500	1257.5							

1) Std. = Standard Wall

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2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Dimensions of Welded and Seamless Steel Pipe

Abmessungen für geschweißte und nahtlose Stahlrohre

ANSI B 36.10



Nominal Pipe Size DN in.	Outside Diameter Außendurchmesser		Wall Thickness Wanddicke		Inside Diameter Innendurchmesser		Identificaton			Stain- less
	in.	mm	in.	mm	in.	mm	API Standard	Std. ¹⁾ XS; xxs	Schedule Nr.	
56"	56.000	1422.0	0.375	9.53	55.250	1402.9				
			0.406	10.31	55.188	1401.4				
			0.438	11.13	55.124	1399.7				
			0.447	11.91	55.062	1398.2				
			0.500	12.70	55.000	1396.6				
			0.562	14.27	54.876	1393.5				
			0.625	15.88	54.750	1390.2				
			0.688	17.48	54.624	1387.0				
			0.750	19.05	54.500	1383.9				
			0.812	20.62	54.376	1380.8				
			0.875	22.23	54.250	1377.5				
			0.938	23.83	54.124	1374.3				
			1.000	25.40	54.000	1371.0				
			1.062	26.97	53.876	1368.1				
			1.125	28.58	53.750	1364.8				
1.188	30.18	53.624	1361.6							
1.250	31.75	53.500	1358.5							
60"	60.000	1524.0	0.375	9.53	59.250	1504.9				
			0.406	10.31	59.188	1503.4				
			0.438	11.13	59.124	1501.7				
			0.469	11.91	59.062	1500.2				
			0.500	12.70	59.000	1498.6				
			0.562	14.27	58.876	1495.5				
			0.625	15.88	58.750	1492.2				
			0.688	17.48	58.624	1489.0				
			0.750	19.05	58.500	1485.9				
			0.812	20.62	58.376	1482.8				
			0.875	22.22	58.250	1479.5				
			0.938	23.83	58.124	1476.3				
			1.000	25.40	58.000	1473.2				
			1.062	26.97	57.876	1470.1				
			1.125	28.58	57.750	1466.8				
1.188	30.18	57.624	1463.6							
1.250	31.75	57.500	1460.5							

1) Std. = Standard Wall

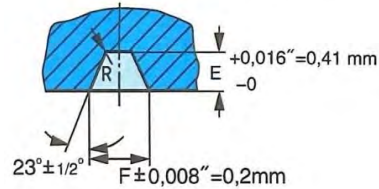
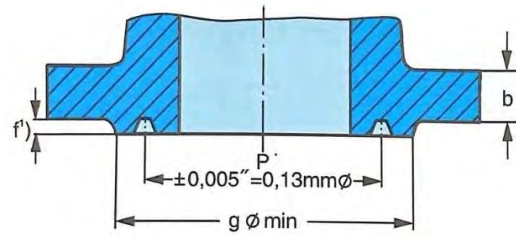
XS = Extra Strong, XXS = Double Extra Strong

2) Innendurchmesser im Zoll-Maßsystem aus Außendurchmesser minus 2 mal Wanddicke ermittelt, mm-Maß aus Zollmaß errechnet und gerundet.



Ring Joint Facings

Flächenbearbeitung mit Ringnut



$R \leq 0,06''$	$+0,03''$ -0
$R \leq 1,6\text{mm}$	$+0,8\text{mm}$ -0
$R > 0,06''$	$\pm 0,03''$
$R > 1,6\text{mm}$	$\pm 0,8\text{mm}$

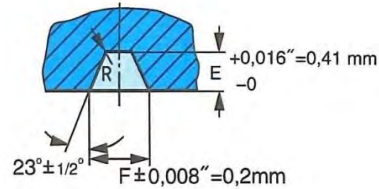
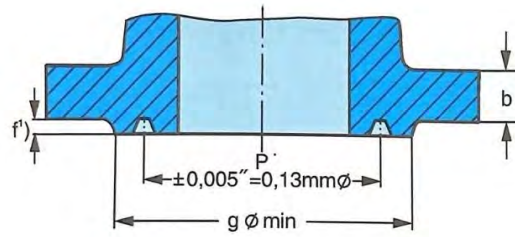
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Nominal Size DN				Ring Number	Groove Dimensions				Diameter of Raised Face				
150 lb/sq. in.	300 lb/sq. in.	400 lb/sq. in.	600 lb/sq. in.		Pitch Diameter P	Depth E	Width F	Radius at Bottom R	150 lb/sq.	300 / 400 / 600 lb/sq.	900 lb/sq.	1500 lb/sq.	2500 lb/sq.
	1/2"		1/2"	R11	34.1	5.6	7.1	0.8		50.8			
				R12	39.7	6.4	8.7	0.8				60.5	
	3/4"		3/4"	R13	42.9	6.4	8.7	0.8		63.5			65.0
				R14	44.5	6.4	8.7	0.8				66.5	
1"				R15	47.6	6.4	8.7	0.8	63.5				
	1"		1"	R16	50.8	6.4	8.7	0.8		69.9		71.4	73.2
1 1/4"				R17	57.2	6.4	8.7	0.8	73.2				
	1 1/4"		1 1/4"	R18	60.3	6.4	8.7	0.8		79.2		81.0	82.6
1 1/2"				R19	65.1	6.4	8.7	0.8	82.6				
	1 1/2"		1 1/2"	R20	68.3	6.4	8.7	0.8		90.2		91.9	
				R21	72.2	7.9	11.9	0.8					101.6
2"				R22	82.6	6.4	8.7	0.8	101.6				
	2"		2"	R23	82.6	7.9	11.9	0.8		108.0			114.3
				R24	95.3	7.9	11.9	0.8				124.0	
2 1/2"				R25	101.6	6.4	8.7	0.8	120.7				
	2 1/2"		2 1/2"	R26	101.6	7.9	11.9	0.8		127.0			133.4
				R27	108.0	7.9	11.9	0.8				136.7	
			2 1/2"	R28	111.1	9.5	13.5	1.5					149.4

1) f = Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".



Ring Joint Facings Flächenbearbeitung mit Ringnut



$R \leq 0,06''$	+0,03'' -0
$R \leq 1,6\text{mm}$	+0,8mm -0
$R > 0,06''$	$\pm 0,03''$
$R > 1,6\text{mm}$	$\pm 0,8\text{mm}$

ANSI B 16.5

Nominal Size DN						Ring Number	Groove Dimensions				Diameter of Raised Face						
150 lb/sq. in.	300 lb/sq. in.	400 lb/sq. in.	600 lb/sq. in.	900 lb/sq. in.	1500 lb/sq. in.		2500 lb/sq. in.	Pitch Diameter P	Depth E	Width F	Radius at Bottom R	150 lb/sq.	300 / 400 / 600 lb/sq.	900 lb/sq.	1500 lb/sq.	2500 lb/sq.	
3"		For sizes 1/2" to 3 1/2" data for 600 lb to be used.					R29	114.3	6.4	8.7	0.8	133.4					
	*)		*)					R30	#####	7.9	11.9	0.8					
	*)3"		*)3"	3"				R31	123.8	7.9	11.9	0.8	146.1	155.4			
						3"		R32	127.0	9.5	13.5	1.5					168.1
3 1/2"							R33	131.8	6.4	8.7	0.8	153.9					
	3 1/2"		3 1/2"				R34	131.8	7.9	11.9	0.8	158.8					
					3"		R35	136.5	7.9	11.9	0.8				168.1		
4"							R36	149.2	6.4	8.7	0.8	171.5					
	4"	4"	4"	4"			R37	149.2	7.9	11.9	0.8	174.8	180.8				
						4"	R38	157.2	11.1	16.7	1.5					203.2	
					4"		R39	161.9	7.9	11.9	0.8				193.5		
5"							R40	171.5	6.4	8.7	0.8	193.5					
	5"	5"	5"	5"			R41	181.0	7.9	11.9	0.8	209.6	215.9				
						5"	R42	190.5	12.7	19.8	1.5					241.3	
6"							R43	193.7	6.4	8.7	0.8	218.9					
					5"		R44	193.7	7.9	11.9	0.8				228.6		
	6"	6"	6"	6"			R45	211.1	7.9	11.9	0.8	241.3	241.3				
					6"		R46	211.1	9.5	13.5	1.5				247.7		

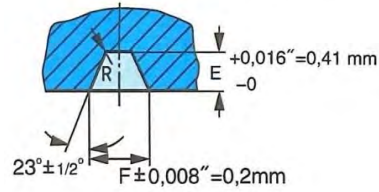
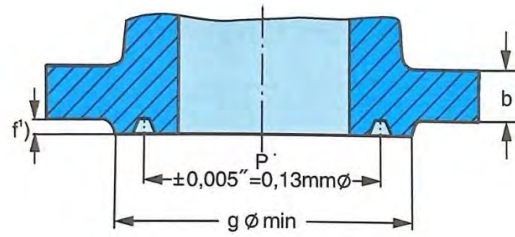
1) f = Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".

*) For ring joint with lapped flanges in the 300, and 600 lb standards, ring and groove number R 30 are used instead of R31.



Ring Joint Facings

Flächenbearbeitung mit Ringnut



$R \leq 0,06''$	+0,03'' -0
$R \leq 1,6\text{mm}$	+0,8mm -0
$R > 0,06''$	$\pm 0,03''$
$R > 1,6\text{mm}$	$\pm 0,8\text{mm}$

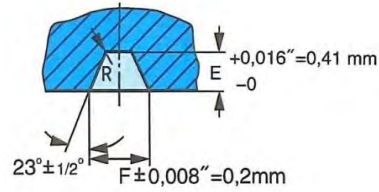
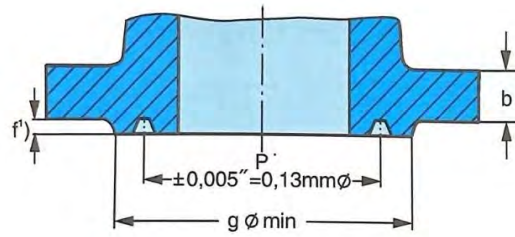
ANSI B 16.5

Nominal Size DN						Ring Number	Groove Dimensions			Diameter of Raised Face					
150 lb/sq. in.	300 lb/sq. in.	400 lb/sq. in.	600 lb/sq. in.	900 lb/sq. in.	1500 lb/sq. in.		Pitch Diameter P	Depth E	Width F	Radius at Bottom R	150 lb/sq.	300 / 400 / 600 lb/sq.	900 lb/sq.	1500 lb/sq.	2500 lb/sq.
					6"	R47	228.6	12.7	19.8	1.5					279.4
8"						R48	#####	6.4	8.7	0.8	273.1				
	8"	8"	8"	8"		R49	269.9	7.9	11.9	0.8		301.8	307.8		
					8"	R50	269.9	11.1	16.7	1.5				317.5	
					8"	R51	279.4	14.3	23.0	1.5					339.9
10"						R52	304.8	6.4	8.7	0.8	330.2				
	10"	10"	10"	10"		R53	323.9	7.9	11.9	0.8		355.6	362.0		
					10"	R54	323.9	11.1	16.7	1.5				371.3	
					10"	R55	342.9	17.5	30.2	2.3					425.5
12"						R56	381.0	6.4	8.7	0.8	406.4				
	12"	12"	12"	12"		R57	381.0	7.9	11.9	0.8		412.8	419.1		
					12"	R58	381.0	14.3	23.0	1.5				438.2	
14"						R59	396.9	6.4	8.7	0.8	425.5				
					12"	R60	406.4	17.5	33.3	2.3					495.3
	14"	14"	14"			R61	419.1	7.9	11.9	0.8		457.2			
					14"	R62	419.1	11.1	16.7	1.5			466.9		
					14"	R63	419.1	15.9	27.0	2.3				489.0	

1) f = Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".



Ring Joint Facings Flächenbearbeitung mit Ringnut



$R \leq 0,06''$	+0,03'' -0
$R \leq 1,6\text{mm}$	+0,8mm -0
$R > 0,06''$	$\pm 0,03''$
$R > 1,6\text{mm}$	$\pm 0,8\text{mm}$

ANSI B 16.5

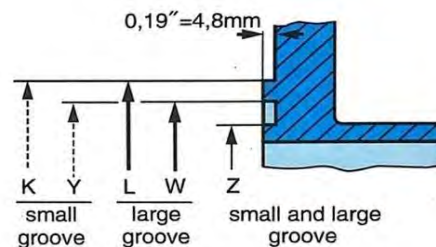
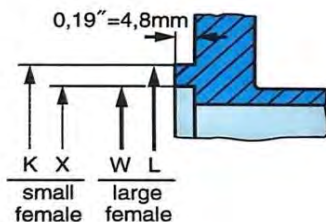
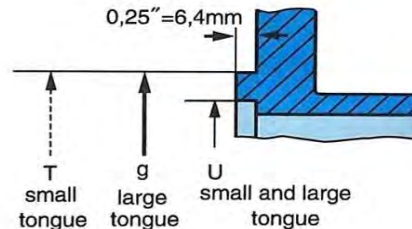
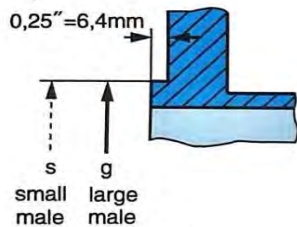
Nominal Size DN							Ring Number	Groove Dimensions				Diameter of Raised Face				
150 lb/sq. in.	300 lb/sq. in.	400 lb/sq. in.	600 lb/sq. in.	900 lb/sq. in.	1500 lb/sq. in.	2500 lb/sq. in.		Pitch Diameter P	Depth E	Width F	Radius at Bottom R	150 lb/sq.	300 / 400 / 600 lb/sq.	900 lb/sq.	1500 lb/sq.	2500 lb/sq.
16"							R64	454.0	6.4	8.7	0.8	482.6				
	16"	16"	16"				R65	####	7.9	11.9	0.8		508.0			
				16"			R66	469.9	11.1	16.7	1.5			523.7		
					16"		R67	469.9	17.5	30.2	2.3				546.1	
18"							R68	517.5	6.4	8.7	0.8	546.1				
	18"	18"	18"				R69	533.4	7.9	11.9	0.8		574.5			
				18"			R70	533.4	12.7	19.8	1.5			593.9		
					18"		R71	533.4	17.5	30.2	2.3				612.6	
20"							R72	558.8	6.4	8.7	0.8	596.9				
	20"	20"	20"				R73	584.2	9.5	13.5	1.5		635.0			
				20"			R74	584.2	12.7	19.8	1.5			647.7		
					20"		R75	584.2	17.5	33.3	2.3				673.1	
24"							R76	673.1	6.4	8.7	0.8	711.2				
	24"	24"	24"				R77	692.2	11.1	16.7	1.5		749.3			
				24"			R78	692.2	15.9	27.0	2.3			771.7		
					24"		R79	692.2	20.6	36.5	2.3				793.8	

1) f = Height of raised porttion and depth of groove dimensions "E" but not covered by tolerances for "E".



Large and Small Male / Female Facings
Large and Small Tongue / Groove Facings
150-2500 lb / sq. in.

Flächenbearbeitung mit großem und kleinem Vorsprung / Rücksprung
Flächenbearbeitung mit großer und kleiner Feder / Nut



ANSI B 16.5



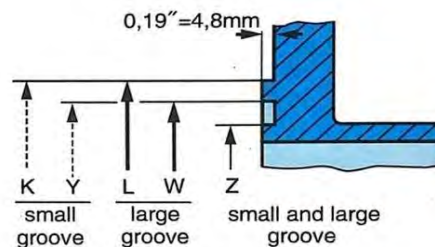
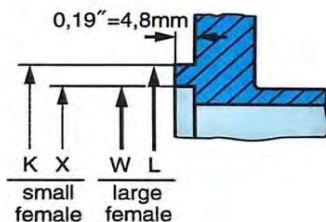
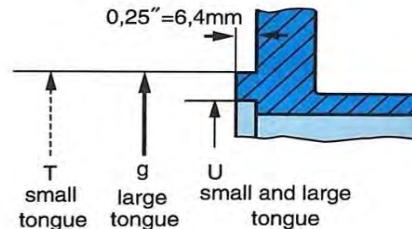
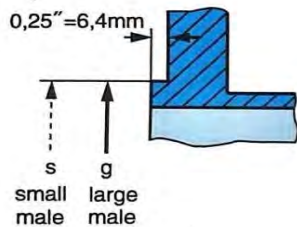
Nom. Pipe Size	Outside Diameter			Inside Dia. Of Large and Small Tongue	Outside Diameter			Inside Dia. Of Large and Small Groove	Diameter of Raised Face min.	
	Large Male and Large Tongue	Small Male	Small Tongue		Large Female and Large Groove	Small Female	Small Groove		Small Female and Groove	Large Female and Groove
DN	g	s	t	u	w	x	y	z	k	l
1/2"	35.1	18.3	35.1	25.4	36.6	19.8	36.6	23.9	44.5	46.0
3/4"	42.9	23.9	42.9	33.3	44.5	25.4	44.5	31.8	52.3	53.8
1"	50.8	30.2	47.8	38.1	52.3	31.8	49.3	36.6	57.2	62.0
1 1/4"	63.5	38.1	57.2	47.8	65.0	39.6	58.7	46.0	66.5	74.7
1 1/2"	73.2	44.5	63.5	53.8	74.7	46.0	65.0	52.3	73.2	84.1
2"	91.9	57.2	82.6	73.2	93.7	58.7	84.1	71.4	91.9	103.1
2 1/2"	104.6	68.3	95.3	85.9	106.4	69.9	96.8	84.1	104.6	115.8
3"	127.0	84.1	117.3	108.0	128.5	85.9	119.1	106.4	127.0	138.2
3 1/2"	139.7	96.8	130.0	120.7	141.2	98.6	131.8	119.1	139.7	150.9
4"	157.2	109.5	144.5	131.8	158.8	111.3	146.1	130.0	157.2	168.1

Large male and female face and large tongue and groove are not applicable to Class 150 because of potential dimensional conflicts.



Large and Small Male / Female Facings
Large and Small Tongue / Groove Facings
150-2500 lb / sq. in.

Flächenbearbeitung mit großem und kleinem Vorsprung / Rücksprung
Flächenbearbeitung mit großer und kleiner Feder / Nut



ANSI B 16.5

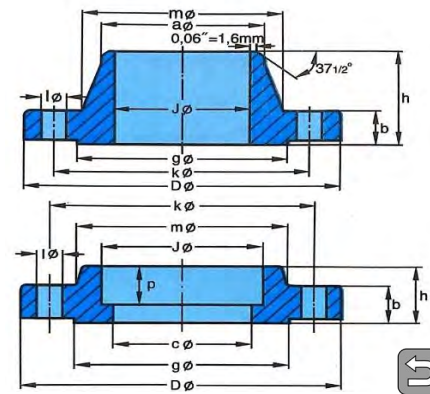


Nom. Pipe Size	Outside Diameter			Inside Dia. Of Large and Small Tongue	Outside Diameter			Inside Dia. Of Large and Small Groove	Diameter of Raised Face min.	
	Large Male and Large Tongue	Small Male	Small Tongue		Large Female and Large Groove	Small Female	Small Groove		Small Female and Groove	Large Female and Groove
DN	g	s	T	U	W	X	Y	Z	K	L
5"	185.7	136.7	173.0	160.3	187.5	138.2	174.8	158.8	185.7	196.9
6"	215.9	162.1	203.2	190.5	217.4	163.6	204.7	189.0	215.9	227.1
8"	269.7	212.9	254.0	238.3	271.5	214.4	255.5	236.5	269.7	280.9
10"	323.9	266.7	304.8	285.8	325.4	268.3	306.3	284.2	323.9	335.0
12"	381.0	317.5	362.0	342.9	382.5	319.0	363.5	341.4	381.0	392.2
14"	412.8	349.3	393.7	374.7	414.3	350.8	395.2	373.1	412.8	423.9
16"	469.9	400.1	447.5	425.5	471.4	401.6	449.3	423.9	469.9	481.1
18"	533.4	450.9	511.0	489.0	534.9	452.4	512.8	487.4	533.4	544.6
20"	548.2	501.7	558.8	533.4	585.7	503.2	560.3	531.9	584.2	595.4
24"	692.2	603.3	666.8	641.4	693.7	604.8	668.3	639.8	692.2	703.3

Large male and female face and large tongue and groove are not applicable to Class 150 because of potential dimensional conflicts.



Dimensional Tolerances
Maßtoleranzen
Welding Neck Flanges
Vorschweißflansche
Socked Welding Flanges
Einsteckschweißflansche



ANSI B 16.5

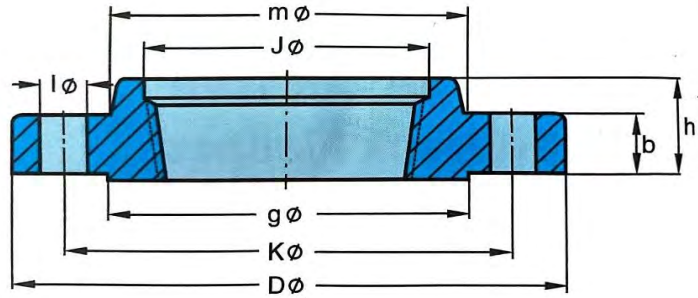
D	Outside Diameter ¹⁾ <i>Außendurchmesser</i> ¹⁾	When OD is 24" or less When OD is over 24" <i>Außendurchmesser bis 609, 6mm</i> <i>Außendurchmesser über 609, 6mm</i>	± 0.06" ± 0.12" ± 1.6 mm ± 3.2 mm
J, c	Inside Diameter ²⁾ <i>Innendurchmesser</i> ²⁾	10" and smaller 12" to 18" 20" and larger <i>10" und kleiner</i> <i>12" bis 18"</i> <i>20" und größer</i>	+ 0.03" + 0.06" + 0.12" - 0.06" + 0.8 mm + 1.6 mm + 3.2 mm - 1.6 mm
g	Diameter of Contact Face <i>Durchmesser der Dichtleiste</i>	0.06" Raised Face 0.25" Raised Face Tongue and Groove, Male and Female <i>1.6 mm Dichtleiste</i> <i>6.4 mm Dichtleiste</i> <i>Feder und Nut. Vor - und Rücksprung</i>	± 0.03" ± 0.02" ± 0.02" ± 0.8 mm ± 0.5 mm ± 0.5 mm
a	Diameter of Hub at Point of welding ²⁾ <i>Ansatzdurchmesser an der Schweißstelle</i> ²⁾	5" and smaller 6" and larger <i>5" und kleiner</i> <i>6" und größer</i>	+ 0.09" - 0.03" + 0.16" - 0.03" + 2.4 mm - 0.8 mm + 4 mm - 0.8 mm
m	Diameter of Hub at Base ¹⁾ <i>Ansatzdurchmesser unten</i> ¹⁾	When Hub Base is 24" or less When Hub Base is over 24" <i>Wenn der Ansatz unten 609, 6mm oder kleiner</i>	± 0.06" ± 0.12" ± 1.6 mm ± 3.2 mm
l	Drilling and Facing <i>Bohrungen</i>	Bolt Circle Diameter k Center - to - center of adjacent bolt holes Max. eccentricity between bolt circle dia. K and machined facing diameters: sizes 2½" and smaller sizes 3" and larger <i>Lochkreisdurchmesser k</i> <i>Mittenabstand angrenzender Schraubenlöcher</i> <i>Max. Exzentrizität des Lochkreisdurchmessers k zu den bearbeiteten Durchmessern:</i> <i>NW 2½" und kleiner</i>	± 0.06" ± 0.03" 0.03" 0.06" ± 1.6 mm ± 0.8 mm 0.8 mm 1.6 mm
h	Overall Length through Hub <i>Gesamthöhe</i>	4" and smaller 5" to 10" 12" and larger <i>4" und kleiner</i> <i>5" to 10"</i> <i>12" und größer</i>	± 0.06" + 0.06", -0.12" + 0.12", -0.18" ± 1.6 mm + 1.6 mm, -3.2mm + 3.2 mm, -4.6mm
b	Thickness <i>Blattdicke</i>	18" and smaller 20" and larger <i>18" und kleiner</i> <i>20" und größer</i>	+ 0.12" + 0.19" + 3.2 mm + 4.8 mm

1) This tolerance is not covered by ANSI B 16.5

2) Regardless of the tolerances of the dimensions J and a, the wall thickness shall not be less than 87.5% of the nominal wall thickness.



Dimensional Tolerances
Maßtoleranzen
Lap Joint, Slip-on, Threaded
and Blind Flanges
Lose Flansche, Überschieb-,
Gewinde- und Blindflansche



ANSI B 16.5



D	Outside Diameter ¹⁾ <i>Außendurchmesser ¹⁾</i>	When OD is 24" or less When OD is over 24" <i>Außendurchmesser bis 609, 6mm</i> <i>Außendurchmesser über 609, 6mm</i>	± 0.06" ± 0.12" ± 1.6 mm ± 3.2 mm
J	Inside Diameter <i>Innendurchmesser</i>	Slip-on and Lap Joint 10" and smaller 12" and larger Threaded <i>Überschieb - und Losflansche 10" und kleiner</i> <i>12" und größer</i> <i>Gewindeflansche</i>	+ 0.03" + 0.06" Within limits on boring gauge <i>+ 0.8 mm</i> <i>+ 1.6 mm</i> <i>Innerhalb der Gewindekal-Toleranz</i>
	Diameter of Counterbore <i>Durchmesser der Eindrehung</i>	Same as for Inside Diameter <i>Wie für den Innendurchmesser</i>	
g	Diameter of Contact Face <i>Durchmesser der Dichtleiste</i>	0.06" Raised Face 0.25" Raised Face Tongue and Groove, Male and Female <i>1.6 mm Dichtleiste</i> <i>6.4 mm Dichtleiste</i> <i>Feder und Nut. Vor - und Rücksprung</i>	± 0.03" ± 0.02" ± 0.02" ± 0.8 mm ± 0.5 mm ± 0.5 mm
m	Out side Diameter of Hub ¹⁾ <i>Ansatz-Außendurchmesser ¹⁾</i>	12" and smaller 14" and larger <i>12" und kleiner</i> <i>14" und größer</i>	+ 0.09" - 0.06" ± 0.12" <i>+ 2.4 mm - 1.6 mm</i> ± 3.2mm
l	Drilling and Facing <i>Bohrungen</i>	Bolt Circle Diameter k Center - to - center of adjacent bolt holes Max. eccentricity between bolt circle dia. K and machined facing diameters: sizes 2½:" and smaller sizes 3" and larger <i>Lochkreisdurchmesser k</i> <i>Mittenabstand angrenzender Schraubenlöcher</i> <i>Max. Exzentrizität des Lochkreisdurchmessers k zu den bearbeiteten Durchmessern:</i> <i>NW 2½" und kleiner</i>	± 0.06" ± 0.03" 0.03" 0.06" ± 1.6 mm ± 0.8 mm <i>0.8 mm</i> <i>1.6 mm</i>
h	Overall Length through Hub ¹⁾ <i>Gesamthöhe ¹⁾</i>	18" and smaller 20" and larger <i>18" und kleiner</i> <i>20" und größer</i>	+ 0.12" - 0.03" + 0.19" - 0.03" <i>+ 3.2 mm, -0.8 mm</i> <i>+ 4.8 mm, - 1.6 mm</i>
b	Thickness <i>Blattdicke</i>	18" and smaller 20" and larger <i>18" und kleiner</i> <i>20" und größer</i>	+ 0.12" + 0.19" <i>+ 3.2 mm</i> <i>+ 4.8 mm</i>

1) This tolerance is not covered by ANSI B 16.5

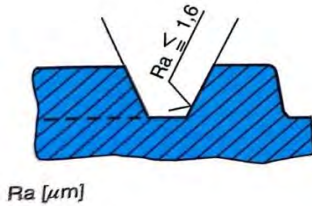


Facing Dichtflächenbearbeitung

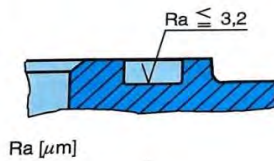


Facing is made by mechanical turning, resulting the following surface conditions:
 Die Bearbeitung der Dichtfläche erfolgt durch Drehen, mit folgenden Oberflächenqualitäten:

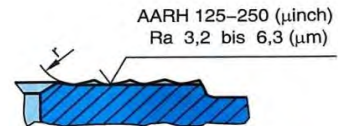
Ring Joint Facings
Flächenbearbeitung mit Ringnut



Tongue/Groove
Small Male/Female Facings
Flächenbearbeitung Feder/Nut
kleiner Vor- und Rücksprung



Raised Face
Large Male/Female Facings
Flächenbearbeitung Dichtleiste
(Serrated Finish),
großer Vor- und Rücksprung



Facings in other design on enquiry
Andersartige Dichtflächen auf Anfrage.

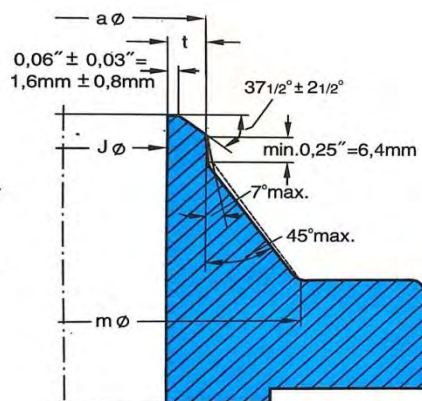
r~0.06" or larger
r~1.6mm or oder größer

Vorschub: 0.45-0.57mm/U

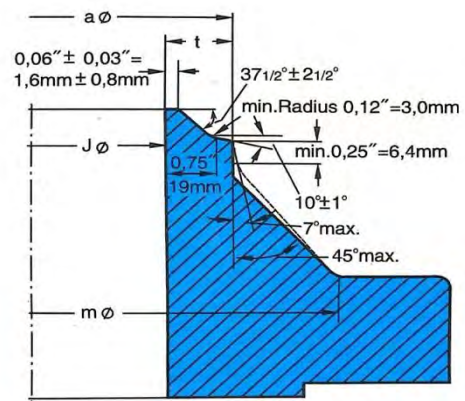
Feet rate
per revolution: 0.018-0.023 in / rev.

Welding Ends Anschweißenden ANSI B 16.5 / ANSI B16.25

- a = Outside diameter of pipe = Rohr-Außendurchmesser
- J = Inside diameter of pipe = Rohr-Innendurchmesser
- t = Wall thickness of pipe = Rohr-Wanddicke



Bevel for Wall Thicknesses (t) 0,19" to 0,88" inclusive
Abschrägung für Wanddicken (t) 4,8 mm bis 22,2 mm einschließlich



Bevel for Wall Thicknesses (t) greater than 0,88"
Abschrägung für Wanddicken (t) größer als 22,2 mm



ANSI B 16.5

Welding Neck Flanges *Vorschweißflansche*



Click to

150 lb

300 lb

400 lb

600 lb

900 lb

1500 lb

2500 lb



Click

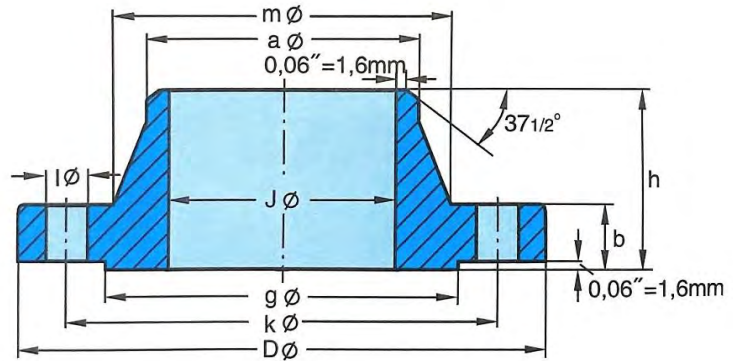


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150 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5

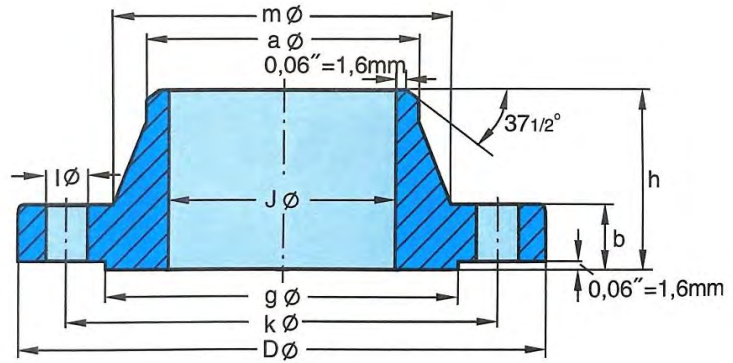


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3	88.9	15.7	11.2	47.8	21.3	30.2	35.1	4	15.7	60.5	0.48
3/4"	26.7	98.6	20.8	12.7	52.3	26.7	38.1	42.9	4	15.7	69.9	0.71
1"	33.4	108.0	26.7	14.2	55.6	33.4	49.3	50.8	4	15.7	79.2	1.01
1 1/4"	42.2	117.3	35.1	15.7	57.2	42.2	58.7	63.5	4	15.7	88.9	1.33
1 1/2"	48.3	127.0	40.9	17.5	62.0	48.3	65.0	73.2	4	15.7	98.6	1.72
2"	60.3	152.4	52.6	19.1	63.5	60.3	77.7	91.9	4	19.1	120.7	2.58
2 1/2"	73.0	177.8	62.7	22.4	69.9	73.0	90.4	104.6	4	19.1	139.7	4.11
3"	88.9	190.5	78.0	23.9	69.9	88.9	108.0	127.0	4	19.1	152.4	4.92
3 1/2"	101.6	215.9	90.2	23.9	71.4	101.6	122.2	139.7	8	19.1	177.8	6.08
4"	114.3	228.6	102.4	23.9	76.2	114.3	134.9	157.2	8	19.1	190.5	6.84
5"	141.3	254.0	128.3	23.9	88.9	141.3	163.6	185.7	8	22.4	215.9	8.56
6"	168.3	279.4	154.2	25.4	88.9	168.3	192.0	215.9	8	22.4	241.3	10.60
8"	219.1	342.9	202.7	28.4	101.6	219.1	246.1	269.7	8	22.4	298.5	17.60
10"	273.0	406.4	254.5	30.2	101.6	273.0	304.8	323.9	12	25.4	362.0	24.00
12"	323.8	482.6	304.8	31.8	114.3	323.8	365.3	381.0	12	25.4	431.8	36.50
14"	355.6	533.4	To be specified by purchaser	35.1	127.0	355.6	400.1	412.8	12	28.4	476.3	48.40
16"	406.4	596.9		36.6	127.0	406.4	457.2	469.9	16	28.4	539.8	60.60
18"	457.2	635.0		39.6	139.7	457.2	505.0	533.4	16	31.8	577.9	68.30
20"	508.0	698.5		42.9	144.5	508.0	558.8	584.2	20	31.8	635.0	84.50
24"	609.6	812.8		47.8	152.4	609.6	663.4	692.2	20	35.1	749.3	115.00



300 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5

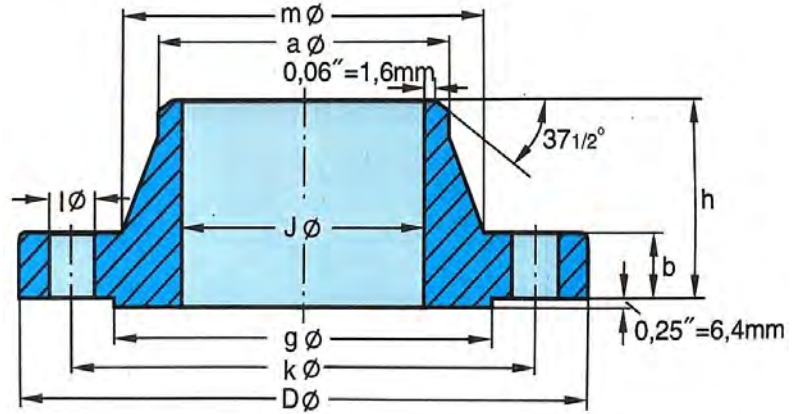


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3	95.2	15.7	14.2	52.3	21.3	38.1	35.0	4	15.7	66.5	0.75
3/4"	26.7	117.3	20.8	15.7	57.2	26.7	47.8	42.9	4	19.1	82.6	1.26
1"	33.4	124.0	26.7	17.5	62.0	33.4	53.8	50.8	4	19.1	88.9	1.52
1 1/4"	42.2	133.4	35.1	19.1	65.0	42.2	63.5	63.5	4	19.1	98.6	2.03
1 1/2"	48.3	155.4	40.9	20.6	68.3	48.3	69.9	73.2	4	22.4	114.3	2.89
2"	60.3	165.1	52.6	22.4	69.9	60.3	84.0	91.9	8	19.1	127.0	3.40
2 1/2"	73.0	190.5	62.7	25.4	76.2	73.0	100.1	104.6	8	22.4	149.4	5.17
3"	88.9	209.6	78.0	28.4	79.2	88.9	117.3	127.0	8	22.4	168.1	6.93
3 1/2"	101.6	228.6	90.2	30.2	81.0	101.6	133.4	139.7	8	22.4	184.2	8.67
4"	114.3	254.0	102.4	31.8	85.9	114.3	146.1	157.2	8	22.4	200.2	11.20
5"	141.3	279.4	128.3	35.1	98.6	141.3	177.8	185.7	8	22.4	235.0	15.10
6"	168.3	317.5	154.2	36.6	98.6	168.3	206.2	215.9	12	22.4	269.7	19.10
8"	219.1	381.0	202.7	41.1	111.3	219.1	260.4	269.7	12	25.4	330.2	29.90
10"	273.0	444.5	254.5	47.8	117.3	273.0	320.5	323.9	16	28.4	387.4	42.70
12"	323.8	520.7	304.8	50.8	130.0	323.8	374.7	381.0	16	31.8	450.9	61.80
14"	355.6	584.2	To be specified by purchaser	53.8	142.7	355.6	425.5	412.8	20	31.8	514.4	85.80
16"	406.4	647.7		57.2	146.1	406.4	482.6	469.9	20	35.1	571.5	106.00
18"	457.2	711.2		60.5	158.8	457.2	533.4	533.4	24	35.1	628.7	131.00
20"	508.0	774.7		63.5	162.1	508.0	587.2	584.2	24	35.1	685.8	158.00
24"	609.6	914.4		69.8	168.1	609.6	701.5	692.2	24	41.1	812.8	230.00



400 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5



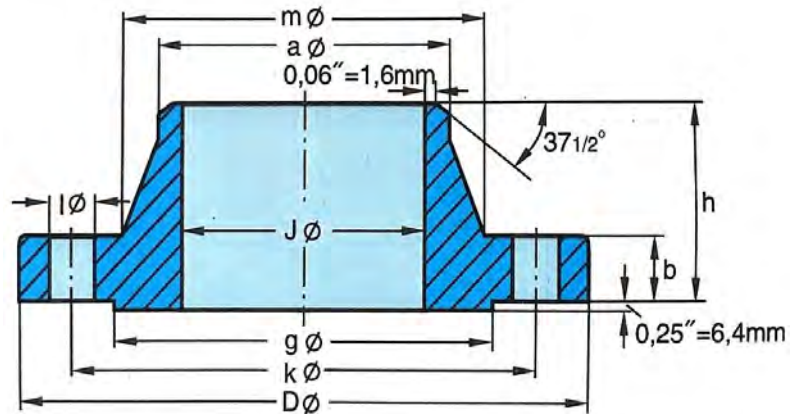
Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3											
3/4"	26.7											
1"	33.4											
1 1/4"	42.2											
1 1/2"	48.3											
2"	60.3											
2 1/2"	73.0											
3"	88.9											
3 1/2"	101.6											
4"	114.3	254.0	To be specified by purchaser Vom Besteller anzugeben	35.1	88.9	114.3	146.1	157.2	8	25.4	200.2	12.80
5"	141.3	279.4		38.1	101.6	141.3	177.8	185.7	8	25.4	235.0	16.90
6"	168.3	317.5		41.1	103.1	168.3	206.2	215.9	12	25.4	269.7	22.00
8"	219.1	381.0		47.8	117.3	219.1	260.4	269.7	12	28.4	330.2	34.70
10"	273.0	444.5		53.8	124.0	273.0	320.5	323.9	16	31.8	387.4	48.50
12"	323.8	520.7		57.2	136.7	323.8	374.7	381.0	16	35.1	450.9	69.60
14"	355.6	584.2		60.5	149.4	355.6	425.5	412.8	20	35.1	514.4	95.50
16"	406.4	647.7		63.5	152.4	406.4	482.6	469.9	20	38.1	571.5	118.00
18"	457.2	711.2		66.5	165.1	457.2	533.4	533.4	24	38.1	628.7	145.00
20"	508.0	774.7		69.9	168.1	508.0	587.2	584.2	24	41.1	685.8	173.00
24"	609.6	914.4		76.2	174.8	609.6	701.5	692.2	24	47.8	812.8	249.00

Use 600 lb dimensions for these sizes.
 Für diesen Bereich gelten 600-lb-Abmessungen



600 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5

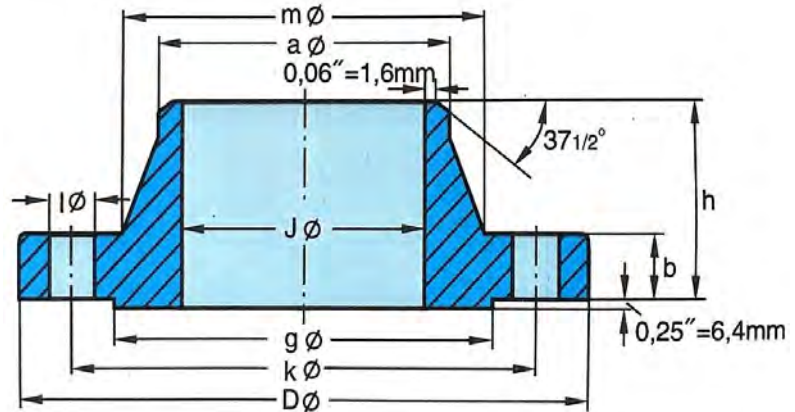


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3	95.3	To be specified by purchaser Vom Besteller anzugeben	14.2	52.3	21.3	38.1	35.1	4	15.7	66.5	0.87
3/4"	26.7	117.3		15.7	57.2	26.7	47.8	42.9	4	19.1	82.6	1.45
1"	33.4	124.0		17.5	62.0	33.4	53.8	50.8	4	19.1	88.9	1.76
1 1/4"	42.2	133.4		20.6	66.5	42.2	63.5	63.5	4	19.1	98.6	2.49
1 1/2"	48.3	155.4		22.4	69.9	48.3	69.9	73.2	4	22.4	114.3	3.49
2"	60.3	165.1		25.4	73.2	60.3	84.1	91.9	8	19.1	127.0	4.36
2 1/2"	73.0	190.5		28.4	79.2	73.0	100.1	104.6	8	22.4	149.4	6.43
3"	88.9	209.6		31.8	82.6	88.9	117.3	127.0	8	22.4	168.1	8.53
3 1/2"	101.6	228.6		35.1	85.9	101.6	133.4	139.7	8	25.4	184.2	10.7
4"	114.3	273.1		38.1	101.6	114.3	152.4	157.2	8	25.4	215.9	17.4
5"	141.3	330.2		44.5	114.3	141.3	189.0	185.7	8	28.4	266.7	29.2
6"	168.3	355.6		47.8	117.3	168.3	222.3	215.9	12	28.4	292.1	34.9
8"	219.1	419.1		55.6	133.4	219.1	273.1	269.7	12	31.8	349.3	53.9
10"	273.0	508.0		63.5	152.4	273.0	342.9	323.9	16	35.1	431.8	86.5
12"	323.8	558.8		66.5	155.4	323.8	400.1	381.0	20	35.1	489.0	103.0
14"	355.6	603.3		69.9	165.1	355.6	431.8	412.8	20	38.1	527.1	122.0
16"	406.4	685.8		76.2	177.8	406.4	495.3	469.9	20	41.1	603.3	170.0
18"	457.2	743.0		82.6	184.2	457.2	546.1	533.4	20	44.5	654.1	204.0
20"	508.0	812.8	88.9	190.5	508.0	609.6	584.2	24	44.5	723.9	254.0	
24"	609.6	939.8	101.6	203.2	609.6	717.6	692.2	24	50.8	838.2	358.0	



900 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



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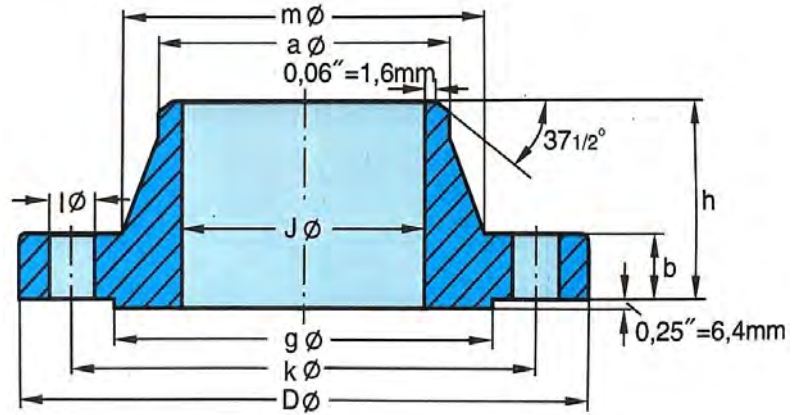


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3											
3/4"	26.7											
1"	33.4											
1 1/4"	42.2											
1 1/2"	48.3											
2"	60.3											
2 1/2"	73.0											
Use 1500 lb dimensions for these sizes. Für diesen Bereich gelten 1500-lb-Abmessungen												
3"	88.9	241.3	To be specified by purchaser Vom Besteller anzugeben	38.1	101.6	88.9	127.0	127.0	8	25.4	190.5	13.7
4"	114.3	292.1		44.4	114.3	114.3	158.7	157.2	8	31.8	234.9	22.5
5"	141.3	349.3		50.8	127.0	141.3	190.5	185.7	8	35.1	279.4	37.4
6"	168.3	381.0		55.6	139.7	168.3	235.0	215.9	12	31.8	317.5	47.7
8"	219.1	469.9		63.5	162.1	219.1	298.5	269.7	12	38.1	393.7	81.3
10"	273.0	546.1		69.9	184.2	273.0	368.3	323.9	16	38.1	469.9	119.0
12"	323.8	609.6		79.2	200.2	323.8	419.1	381.0	20	38.1	533.4	157.0
14"	355.6	641.4		85.9	212.9	355.6	450.9	412.8	20	41.1	558.8	180.0
16"	406.4	704.9		88.9	215.9	406.4	508.0	469.9	20	44.5	616.0	217.0
18"	457.2	787.4		101.6	228.6	457.2	565.2	533.4	20	50.8	685.8	292.0
20"	508.0	857.3		108.0	247.7	508.0	622.3	584.2	20	53.8	749.3	362.0
24"	609.6	1041.4		139.7	292.1	609.6	749.3	692.2	20	66.5	901.7	665.0



1500 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5

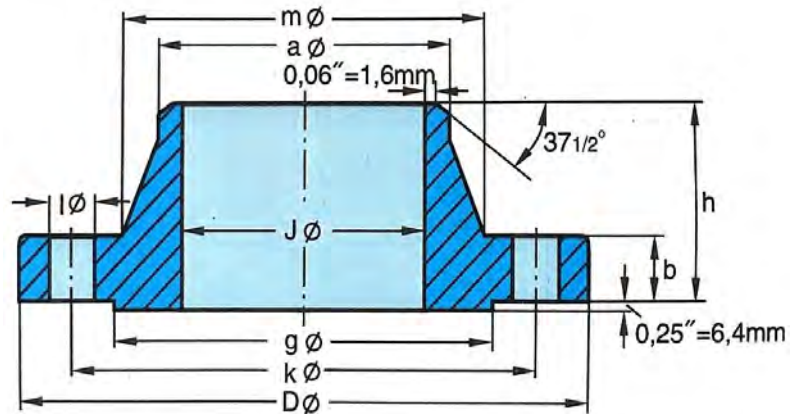


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3	120.7	To be specified by purchaser Vom Besteller anzugeben	22.4	60.5	21.3	38.1	35.1	4	22.4	82.6	1.87
3/4"	26.7	130.0		25.4	69.9	26.7	44.5	42.9	4	22.4	88.9	2.56
1"	33.4	149.4		28.4	73.2	33.4	52.3	50.8	4	25.4	101.6	3.74
1 1/4"	42.2	158.8		28.4	73.2	42.2	63.5	63.5	4	25.4	111.3	4.33
1 1/2"	48.3	177.8		31.8	82.6	48.3	69.9	73.2	4	28.4	124.0	5.94
2"	60.3	215.9		38.1	101.6	60.3	104.6	91.9	8	25.4	165.1	10.8
2 1/2"	73.0	244.3		41.1	114.6	73.0	124.0	104.6	8	28.4	190.5	15.0
3"	88.9	266.7		47.8	117.3	88.9	133.4	127.0	8	31.8	203.2	19.9
4"	114.3	311.2		53.8	124.0	114.3	162.1	157.2	8	35.1	241.3	29.9
5"	141.3	374.7		73.2	155.4	141.3	196.9	185.7	8	41.1	292.1	55.4
6"	168.3	393.7		82.6	171.5	168.3	228.6	215.9	12	38.1	317.5	68.4
8"	219.1	482.6		91.9	212.9	219.1	292.1	269.7	12	44.5	393.7	117.0
10"	273.0	584.2		108.0	254.0	273.0	368.3	323.9	12	50.8	482.6	194.0
12"	323.8	673.1		124.0	282.4	323.8	450.9	381.0	16	53.8	571.5	288.0
14"	355.6	749.3		133.4	298.5	355.6	495.3	412.8	16	60.5	635.0	380.0
16"	406.4	825.5		146.1	311.2	406.4	552.5	469.9	16	66.5	704.9	485.0
18"	457.2	914.4	162.1	327.2	457.2	596.9	533.4	16	73.2	774.7	644.0	
20"	508.0	984.3	177.8	355.6	508.0	641.4	584.2	16	79.2	831.9	775.0	
24"	609.6	1168.4	203.2	406.4	609.6	762.0	692.2	16	91.9	990.6	1232.0	



2500 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.5



Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	a	m	g	Number	l	k	Kilo
1/2"	21.3	133.4	To be specified by purchaser Vom Besteller anzugeben	30.2	73.2	21.3	42.9	35.1	4	22.4	88.9	3.12
3/4"	26.7	139.7		31.8	79.2	26.7	50.8	42.9	4	22.4	95.3	3.70
1"	33.4	158.8		35.1	88.9	33.4	57.2	50.8	4	25.4	108.0	5.24
1 1/4"	42.2	184.2		38.1	95.3	42.2	73.2	63.5	4	28.4	130.0	7.74
1 1/2"	48.3	203.2		44.5	111.3	48.3	79.2	73.2	4	31.8	146.1	10.90
2"	60.3	235.0		50.8	127.0	60.3	95.3	91.9	8	28.4	171.5	16.20
2 1/2"	73.0	266.7		57.2	142.7	73.0	114.3	104.6	8	31.8	196.9	23.70
3"	88.9	304.8		66.5	168.1	88.9	133.4	127.0	8	35.1	228.6	36.20
4"	114.3	355.6		76.2	190.5	114.3	165.1	157.2	8	41.1	273.1	55.30
5"	141.3	419.1		91.9	228.6	141.3	203.2	185.7	8	47.8	323.9	92.50
6"	168.3	482.6		108.0	273.1	168.3	235	215.9	8	53.8	368.3	143.00
8"	219.1	552.5		127.0	317.5	219.1	304.8	269.7	12	53.8	438.2	215.00
10"	273.0	673.1		165.1	419.1	273	374.7	323.9	12	66.5	539.8	406.00
12"	323.8	762.0	184.2	463.6	323.8	441.5	381.0	12	73.2	619.3	572.00	




ANSI B 16.5

Slip-on Flanges *Überschiebflansche*



Click to
150 lb
300 lb
400 lb
600 lb
900 lb
1500 lb

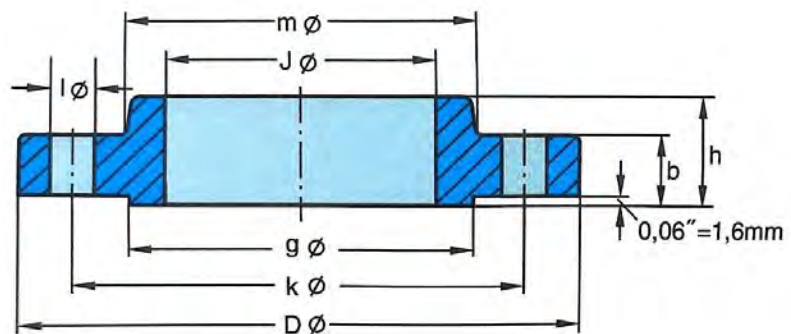


Click  in every page at the top right of the table to back to this page.



150 lb / sq. in.

Slip-on Flanges
Überschiebflansche



ANSI B16.5

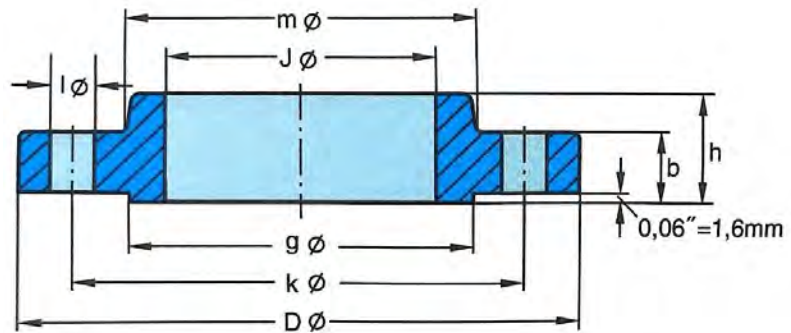


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Numbe r	l	k	Kilo
1/2"	21.3	88.9	22.4	11.2	15.7	30.2	35.1	4	15.7	60.5	0.39
3/4"	26.7	98.6	27.7	12.7	15.7	38.1	42.9	4	15.7	69.9	0.56
1"	33.4	108.0	34.5	14.2	17.5	49.3	50.8	4	15.7	79.2	0.78
1 1/4"	42.2	117.3	43.2	15.7	20.6	58.7	63.5	4	15.7	88.9	1.03
1 1/2"	48.3	127.0	49.5	17.5	22.4	65.0	73.2	4	15.7	98.6	1.32
2"	60.3	152.4	62.0	19.1	25.4	77.7	91.9	4	19.1	120.7	2.06
2 1/2"	73.0	177.8	74.7	22.4	28.4	90.4	104.6	4	19.1	139.7	3.28
3"	88.9	190.5	90.7	23.9	30.2	108.0	127.0	4	19.1	152.4	3.85
3 1/2"	101.6	215.9	103.4	23.9	31.8	122.2	139.7	8	19.1	177.8	4.81
4"	114.3	228.6	116.1	23.9	33.3	134.9	157.2	8	19.1	190.5	5.30
5"	141.3	254.0	143.8	23.9	36.6	163.6	185.7	8	22.4	215.9	6.07
6"	168.3	279.4	170.7	25.4	39.6	192.0	215.9	8	22.4	241.3	7.45
8"	219.1	342.9	221.5	28.4	44.5	246.1	269.7	8	22.4	298.5	12.10
10"	273.0	406.4	276.4	30.2	49.3	304.8	323.9	12	25.4	362.0	16.50
12"	323.8	482.6	327.2	31.8	55.6	365.3	381.0	12	25.4	431.8	26.20
14"	355.6	533.4	359.2	35.1	57.2	400.1	412.8	12	28.4	476.3	34.60
16"	406.4	596.9	410.5	36.6	63.5	457.2	469.9	16	28.4	539.8	44.80
18"	457.2	635.0	461.8	39.6	68.3	505.0	533.4	16	31.8	577.9	48.90
20"	508.0	698.5	513.1	42.9	73.2	558.8	584.2	20	31.8	635.0	61.90
24"	609.6	812.8	616.0	47.8	82.6	663.4	692.2	20	35.1	749.3	86.90



300 lb / sq. in.

Slip-on Flanges
Überschiebflansche



ANSI B16.5

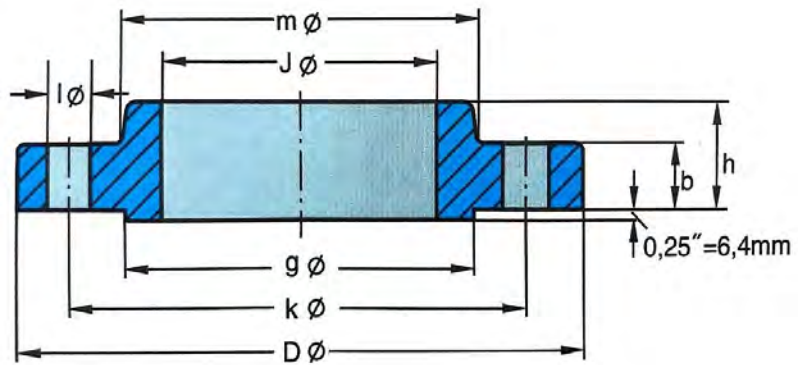


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Numbe r	l	k	Kilo
1/2"	21.3	95.3	22.4	14.2	22.4	38.1	35.1	4	15.7	66.5	0.64
3/4"	26.7	117.3	27.7	15.7	25.4	47.8	42.9	4	19.1	82.6	1.12
1"	33.4	123.9	34.5	17.5	26.9	53.8	50.8	4	19.1	88.9	1.36
1 1/4"	42.2	133.4	43.2	19.1	26.9	63.5	63.5	4	19.1	98.6	1.68
1 1/2"	48.3	155.4	49.5	20.6	30.2	69.9	73.2	4	22.4	114.3	2.49
2"	60.3	165.1	62.0	22.4	33.3	84.1	91.9	8	19.1	127	2.87
2 1/2"	73.0	190.5	74.7	25.4	38.1	100.1	104.6	8	22.4	149.4	4.32
3"	88.9	209.6	90.7	28.4	42.9	117.3	127	8	22.4	168.1	5.85
3 1/2"	101.6	228.6	103.4	30.2	44.5	133.4	139.7	8	22.4	184.2	7.34
4"	114.3	254.0	116.1	31.8	47.8	146.1	157.2	8	22.4	200.2	9.61
5"	141.3	279.4	143.8	35.1	50.8	177.8	185.7	8	22.4	235	12.3
6"	168.3	317.5	170.7	36.6	52.3	206.2	215.9	12	22.4	269.7	15.6
8"	219.1	381.0	221.5	41.1	62.0	260.4	269.7	12	25.4	330.2	24.2
10"	273.0	444.5	276.4	47.8	66.5	320.5	323.9	16	28.4	387.4	34.1
12"	323.8	520.7	327.2	50.8	73.2	374.7	381	16	31.8	450.9	49.8
14"	355.6	584.2	359.2	53.8	76.2	425.5	412.8	20	31.8	514.4	69.9
16"	406.4	647.7	410.5	57.2	82.6	482.6	469.9	20	35.1	571.5	88.1
18"	457.2	711.2	461.8	60.5	88.9	533.4	533.4	24	35.1	628.7	109
20"	508.0	774.7	513.1	63.5	95.3	587.2	584.2	24	35.1	685.8	134
24"	609.6	914.4	616.0	69.9	106.4	701.5	692.2	24	41.1	812.8	201



400 lb / sq. in.

Slip-on Flanges
 Überschiebflansche



ANSI B16.5

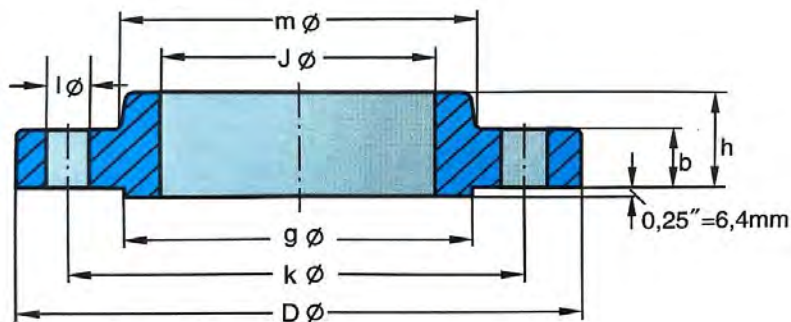


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Number	l	k	Kilo
1/2"	21.3										
3/4"	26.7										
1"	33.4										
1 1/4"	42.2										
1 1/2"	48.3										
2"	60.3										
2 1/2"	73.0										
3"	88.9										
3 1/2"	101.6										
Use 600 lb dimensions for these sizes. Für diesen Bereich gelten 600-lb-Abmessungen											
4"	114.3	254	116.1	35.1	50.8	146.1	157.2	8	25.4	200.2	11.1
5"	141.3	279.4	143.8	38.1	53.8	177.8	185.7	8	25.4	235	13.9
6"	168.3	317.5	170.7	41.1	57.2	206.2	215.9	12	25.4	269.7	18.3
8"	219.1	381	221.5	47.8	68.3	260.4	269.7	12	28.4	330.2	28.6
10"	273.0	444.5	276.4	53.8	73.2	320.5	323.9	16	31.8	387.4	39.2
12"	323.8	520.7	327.2	57.2	79.2	374.7	381	16	35.1	450.9	57
14"	355.6	584.2	359.2	60.5	84.1	425.5	412.8	20	35.1	514.4	79.1
16"	406.4	647.7	410.5	63.5	93.7	482.6	469.9	20	38.1	571.5	101
18"	457.2	711.2	461.8	66.5	98.6	533.4	533.4	24	38.1	628.7	123
20"	508.0	774.7	513.1	69.9	101.6	587.2	584.2	24	41.1	685.8	146
24"	609.6	914.4	616	76.2	114.3	701.5	692.2	24	47.8	812.8	219



600 lb / sq. in.

Slip-on Flanges
Überschiebflansche



ANSI B16.5

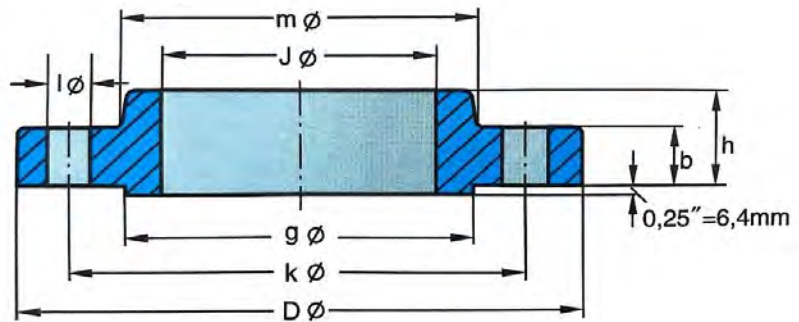


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Numbe r	l	k	Kilo
1/2"	21.3	95.3	22.4	14.2	22.4	38.1	35.1	4	15.7	66.5	0.74
3/4"	26.7	117.3	27.7	15.7	25.4	47.8	42.9	4	19.1	82.6	1.27
1"	33.4	124	34.5	17.5	26.9	53.8	50.8	4	19.1	88.9	1.52
1 1/4"	42.2	133.4	43.2	20.6	28.4	63.5	63.5	4	19.1	98.6	2.03
1 1/2"	48.3	155.4	49.5	22.4	31.8	69.9	73.2	4	22.4	114.3	2.96
2"	60.3	165.1	62	25.4	36.6	84.1	91.9	8	19.1	127	3.62
2 1/2"	73.0	190.5	74.7	28.4	41.1	100.1	104.6	8	22.4	149.4	5.28
3"	88.9	209.6	90.7	31.8	46	117.3	127	8	22.4	168.1	7
3 1/2"	101.6	228.6	103.4	35.1	49.3	133.4	139.7	8	25.4	184.2	8.84
4"	114.3	273.1	116.1	38.1	53.8	152.4	157.2	8	25.4	215.9	14.5
5"	141.3	330.2	143.8	44.5	60.5	189	185.7	8	28.4	266.7	24.4
6"	168.3	355.6	170.7	47.8	66.5	222.3	215.9	12	28.4	292.1	28.7
8"	219.1	419.1	221.5	55.6	76.2	273.1	269.7	12	31.8	349.3	43.4
10"	273.0	508	276.4	63.5	85.9	342.9	323.9	16	35.1	431.8	70.3
12"	323.8	558.8	327.2	66.5	91.9	400.1	381	20	35.1	489	84.2
14"	355.6	603.3	359.2	69.9	93.7	431.8	412.8	20	38.1	527.1	98.7
16"	406.4	685.8	410.5	76.2	106.4	495.3	469.9	20	41.1	603.3	142
18"	457.2	743	461.8	82.6	117.3	546.1	533.4	20	44.5	654.1	173
20"	508.0	812.8	513.1	88.9	127	609.6	584.2	24	44.5	723.9	220
24"	609.6	939.8	616	101.6	139.7	717.6	692.2	24	50.8	838.2	312



900 lb / sq. in.

Slip-on Flanges
Überschiebflansche



ANSI B16.5

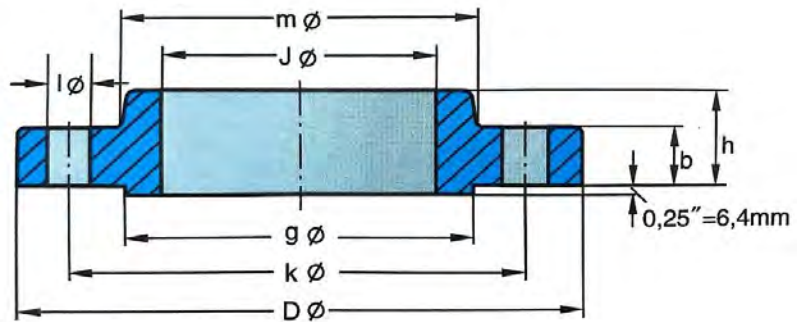


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Numbe r	l	k	Kilo
1/2"	21.3										
3/4"	26.7										
1"	33.4										
1 1/4"	42.2										
1 1/2"	48.3										
2"	60.3										
2 1/2"	73.0										
Use 1500 lb dimensions for these sizes. Für diesen Bereich gelten 1500-lb-Abmessungen											
3"	88.9	241.3	90.7	38.1	53.8	127	127	8	25.4	190.5	11.6
4"	114.3	292.1	116.1	44.4	69.9	158.8	157.2	8	31.8	235	19.7
5"	141.3	349.3	143.8	50.8	79.2	190.5	185.7	8	35.1	279.4	31.9
6"	168.3	381	170.7	55.6	85.9	235	215.9	12	31.8	317.5	41.1
8"	219.1	469.9	221.5	63.5	101.6	298.5	269.8	12	38.1	393.7	70.7
10"	273.0	546.1	276.4	69.9	107.9	368.3	323.8	16	38.1	469.9	101
12"	323.8	609.6	327.2	79.2	117.3	419.1	381	20	38.1	533.4	133
14"	355.6	641.4	359.2	85.9	130	450.9	412.8	20	41.1	558.8	153
16"	406.4	704.9	410.5	88.9	133.4	508	469.9	20	44.5	616	185
18"	457.2	787.4	461.8	101.6	152.4	565.2	533.4	20	50.8	685.8	258
20"	508.0	857.3	513.1	108	158.8	622.3	584.2	20	53.8	749.3	317
24"	609.6	1041	616	139.7	203.2	749.3	692.2	20	66.5	901.7	606



1500 lb / sq. in.

Slip-on Flanges
 Überschiebflansche



ANSI B16.5



Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	m	g	Number	l	k	Kilo
1/2"	21.3	120.7	22.4	22.4	31.8	38.1	35.1	4	22.4	82.6	1.74
3/4"	26.7	130	27.7	25.4	35.1	44.5	42.9	4	22.4	88.9	2.34
1"	33.4	149.4	34.5	28.4	41.1	52.3	50.8	4	25.4	101.6	3.44
1 1/4"	42.2	158.7	43.2	28.4	41.1	63.5	63.5	4	25.4	111.3	3.91
1 1/2"	48.3	177.8	49.5	31.8	44.5	69.9	73.2	4	28.4	124	5.36
2"	60.3	215.9	62	38.1	57.2	104.6	91.9	8	25.4	165.1	9.85
2 1/2"	73.0	244.3	74.7	41.1	63.5	124	104.6	8	28.4	190.5	13.7



ANSI B 16.5

Lap Joint Flanges *Lose Flansche*



Click to

150 lb

300 lb

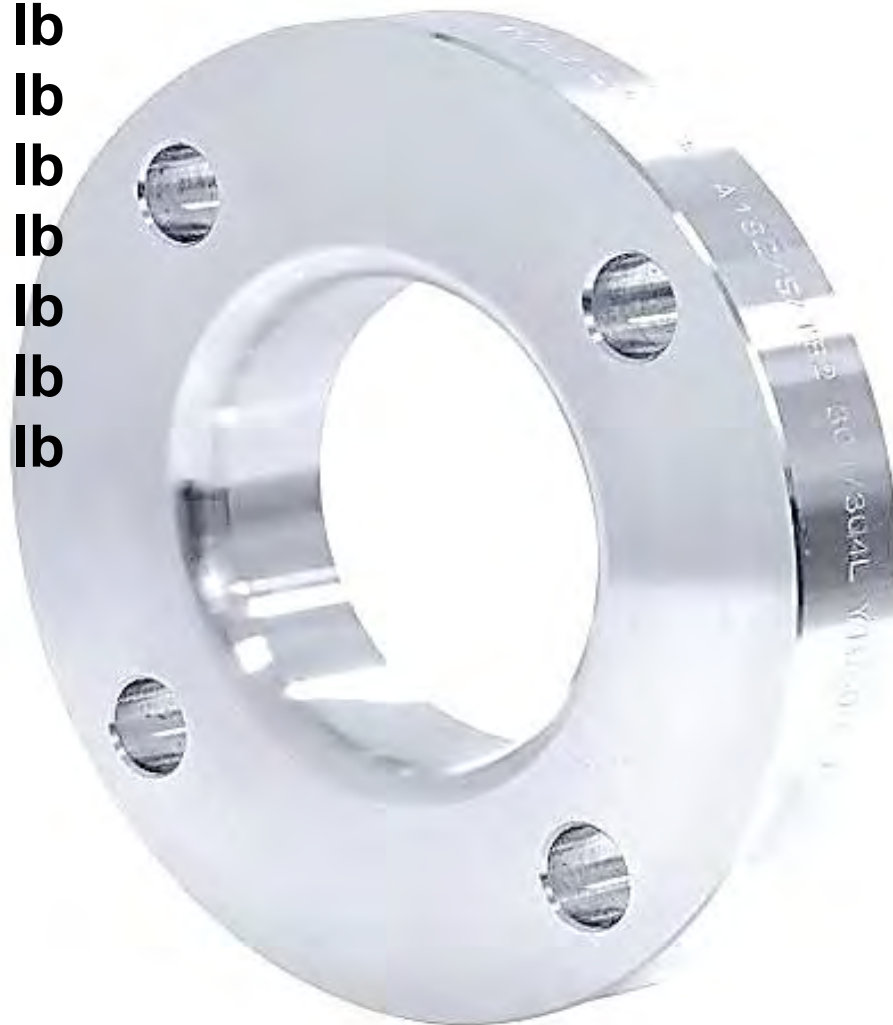
400 lb

600 lb

900 lb

1500 lb

2500 lb



Click

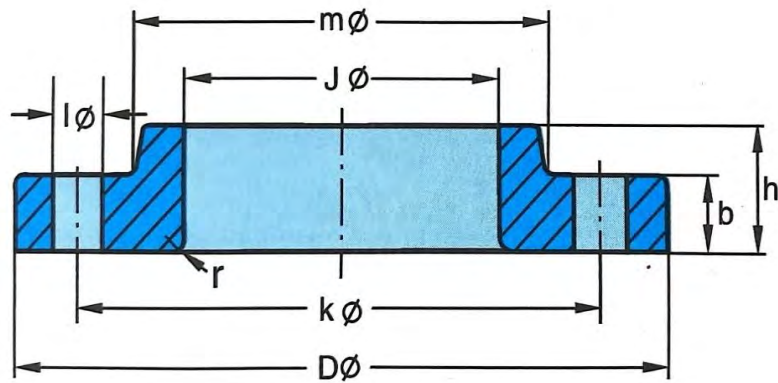


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150 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

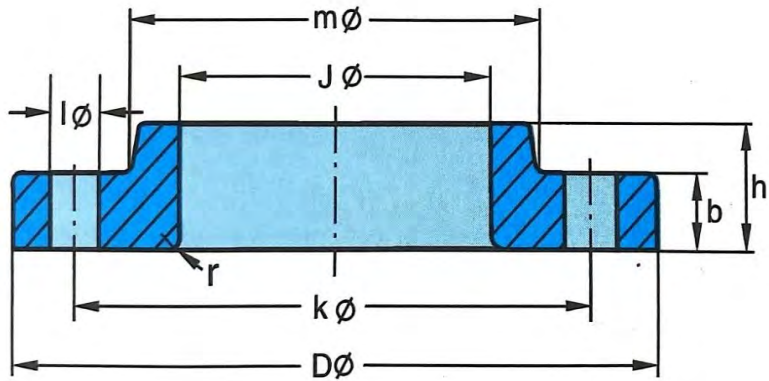


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3	88.9	22.9	11.2	15.7	3	30.2	4	15.7	60.5	0.38
3/4"	26.7	98.6	28.2	12.7	15.7	3	38.1	4	15.7	69.9	0.55
1"	33.4	108	35.1	14.2	17.5	3	49.3	4	15.7	79.2	0.76
1 1/4"	42.2	117.3	43.7	15.7	20.6	4.8	58.7	4	15.7	88.9	1.01
1 1/2"	48.3	127	50	17.5	22.4	6.4	65	4	15.7	98.6	1.3
2"	60.3	152.4	62.5	19.1	25.4	7.9	77.7	4	19.1	120.7	2.03
2 1/2"	73.0	177.8	75.4	22.4	28.4	7.9	90.4	4	19.1	139.7	3.25
3"	88.9	190.5	91.4	23.9	30.2	9.7	108	4	19.1	152.4	3.81
3 1/2"	101.6	215.9	104.1	23.9	31.8	9.7	122.2	8	19.1	177.8	4.76
4"	114.3	228.6	116.8	23.9	33.3	11.2	134.9	8	19.1	190.5	5.25
5"	141.3	254	144.5	23.9	36.6	11.2	163.6	8	22.4	215.9	6.02
6"	168.3	279.4	171.5	25.4	39.6	12.7	192	8	22.4	241.3	7.4
8"	219.1	342.9	222.3	28.4	44.5	12.7	246.1	8	22.4	298.5	12.1
10"	273.0	406.4	277.4	30.2	49.3	12.7	304.8	12	25.4	362	16.4
12"	323.8	482.6	328.2	31.8	55.6	12.7	365.3	12	25.4	431.8	26.1
14"	355.6	533.4	360.2	35.1	79.2	12.7	400.1	12	28.4	476.3	34.5
16"	406.4	596.9	411.2	36.6	87.4	12.7	457.2	16	28.4	539.8	44.6
18"	457.2	635	462.3	39.6	96.8	12.7	505	16	31.8	577.9	48.7
20"	508.0	698.5	514.4	42.9	103.1	12.7	558.8	20	31.8	635	61.6
24"	609.6	812.8	616	47.8	111.3	12.7	663.4	20	35.1	749.3	86.6



300 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

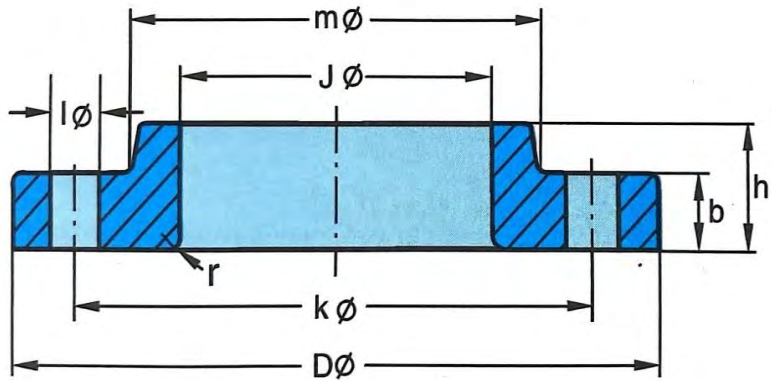


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3	95.3	22.9	14.2	22.4	3	38.1	4	15.7	66.6	0.62
3/4"	26.7	117.3	28.2	15.7	25.4	3	47.8	4	19.1	82.6	1.1
1"	33.4	124	35.1	17.5	26.9	3	53.8	4	19.1	88.9	1.33
1 1/4"	42.2	133.4	43.7	19.1	26.9	4.8	63.5	4	22.4	98.6	1.65
1 1/2"	48.3	155.4	50	20.6	30.2	6.4	69.9	4	19.1	114.3	2.44
2"	60.3	165.1	62.5	22.4	33.3	7.9	84.1	8	22.4	127	2.83
2 1/2"	73.0	190.5	75.4	25.4	38.1	7.9	100.1	8	22.4	149.4	4.25
3"	88.9	209.6	91.4	28.4	42.9	9.7	117.3	8	22.4	168.1	5.78
3 1/2"	101.6	228.6	104.1	30.2	44.5	9.7	133.4	8	22.4	184.2	7.27
4"	114.3	254	116.8	31.8	47.8	11.2	146.1	8	22.4	200.2	9.55
5"	141.3	279.4	144.5	35.1	50.8	11.2	177.8	8	22.4	235	12.2
6"	168.3	317.5	171.5	36.6	52.3	12.7	206.2	12	22.4	269.7	15.5
8"	219.1	381	222.3	41.1	62	12.7	260.4	12	25.4	330.2	24.1
10"	273.0	444.5	277.4	47.8	95.3	12.7	320.5	16	28.4	387.4	34.4
12"	323.8	520.7	328.2	50.8	101.6	12.7	374.7	16	31.8	450.9	50.4
14"	355.6	584.2	360.2	53.8	111.3	12.7	425.5	20	31.8	514.3	70.9
16"	406.4	647.7	411.2	57.2	120.7	12.7	482.6	20	35.1	571.5	89.5
18"	457.2	711.2	462.3	60.5	130	12.7	533.4	24	35.1	628.7	111
20"	508.0	774.7	514.4	63.5	139.7	12.7	587.2	24	35.1	685.8	137
24"	609.6	914.4	616	69.9	152.4	12.7	701.5	24	41.1	812.8	204



400 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

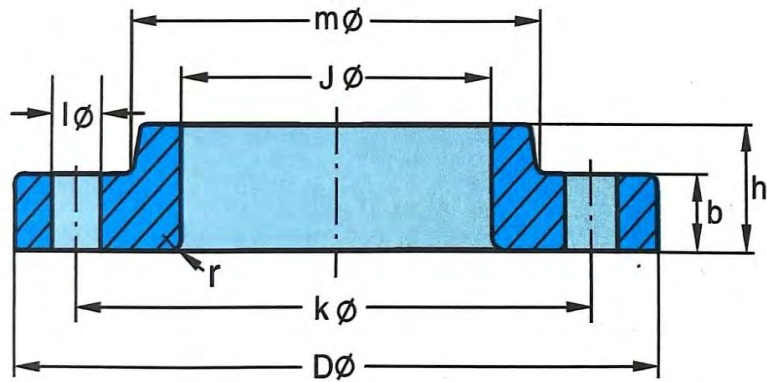


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3										
3/4"	26.7										
1"	33.4										
1 1/4"	42.2										
1 1/2"	48.3										
2"	60.3										
2 1/2"	73.0										
3"	88.9										
3 1/2"	101.6										
Use 600 lb dimensions for these sizes. Für diesen Bereich gelten 600-lb-Abmessungen											
4"	114.3	254	116.8	35.1	50.8	11.2	146.1	8	25.4	200.2	10.9
5"	141.3	279.4	144.5	38.1	53.8	11.2	177.8	8	25.4	235	13.7
6"	168.3	317.5	171.5	41.1	57.2	12.7	206.2	12	25.4	269.7	18
8"	219.1	381	222.3	47.8	68.3	12.7	260.4	12	28.4	330.2	28.3
10"	273.0	444.5	277.4	53.8	101.6	12.7	320.5	16	31.8	387.4	38.8
12"	323.8	520.7	328.2	57.2	108	12.7	374.7	16	35.1	450.9	56.6
14"	355.6	584.2	360.2	60.5	117.3	12.7	425.5	20	35.1	514.4	78.6
16"	406.4	647.7	411.2	63.5	127	12.7	482.6	20	38.1	571.5	100
18"	457.2	711.2	462.3	66.5	136.7	12.7	533.4	24	38.1	628.7	122
20"	508.0	774.7	514.4	69.9	146.1	12.7	587.2	24	41.1	685.8	145
24"	609.6	914.4	616	76.2	158.8	12.7	701.5	24	47.8	812.8	217



600 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

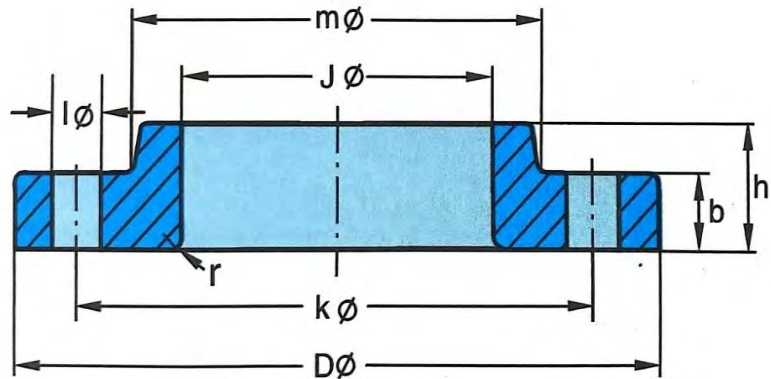


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3	95.3	22.9	14.2	22.4	3	38.1	4	15.7	66.5	0.72
3/4"	26.7	117.3	28.2	15.7	25.4	3	47.8	4	19.1	82.6	1.25
1"	33.4	124	35.1	17.5	26.9	3	53.8	4	19.1	88.9	1.5
1 1/4"	42.2	133.4	43.7	20.6	28.4	4.8	63.5	4	19.1	98.6	2
1 1/2"	48.3	155.4	50	22.4	31.8	6.4	69.9	4	22.4	114.3	2.92
2"	60.3	165.1	62.5	25.4	36.6	7.9	84.1	8	19.1	127	3.55
2 1/2"	73.0	190.5	75.4	28.4	41.1	7.9	100.1	8	22.4	149.4	5.23
3"	88.9	209.6	91.4	31.8	46	9.7	117.3	8	22.4	168.1	6.95
3 1/2"	101.6	228.6	104.1	35.1	49.3	9.7	133.4	8	25.4	184.2	8.78
4"	114.3	273.1	116.8	38.1	53.8	11.2	152.4	8	25.4	215.9	14.4
5"	141.3	330.2	144.5	44.5	603.5	11.2	189	8	28.4	266.7	24.3
6"	168.3	355.6	171.5	47.8	66.5	12.7	222.3	12	28.4	292.1	28.5
8"	219.1	419.1	222.3	55.6	76.2	12.7	273.1	12	31.8	349.3	43.1
10"	273.0	508	277.4	63.5	111.3	12.7	342.9	16	35.1	431.8	70.5
12"	323.8	558.8	328.2	66.5	117.3	12.7	400.1	20	35.1	489	86.1
14"	355.6	603.3	360.2	69.9	127	12.7	431.8	20	38.1	527.1	100
16"	406.4	685.8	411.2	76.2	139.7	12.7	495.3	20	41.1	603.3	145
18"	457.2	743	462.3	82.6	152.4	12.7	546.1	20	44.5	654.1	177
20"	508.0	812.8	514.4	88.9	165.1	12.7	609.6	24	44.5	723.9	225
24"	609.6	939.8	616	101.6	184.2	12.7	717.6	24	50.8	838.2	318



900 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

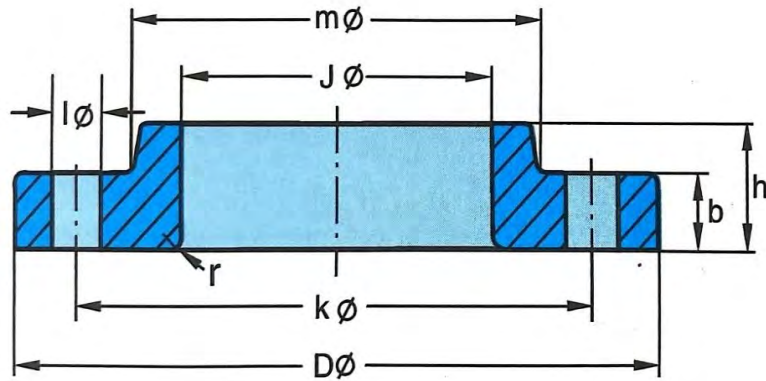


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3										
3/4"	26.7										
1"	33.4										
1 1/4"	42.2										
1 1/2"	48.3										
2"	60.3										
2 1/2"	73.0										
Use 1500 lb dimensions for these sizes. Für diesen Bereich gelten 1500-lb-Abmessungen											
3"	88.9	241.3	91.4	38.1	53.8	9.7	127	8	25.4	190.5	11.3
4"	114.3	292.1	116.8	44.5	69.9	11.2	158.8	8	31.8	235	19.2
5"	141.3	349.3	144.5	50.8	79.2	11.2	190.5	8	35.1	279.4	31.2
6"	168.3	381	171.5	55.6	85.9	12.7	235	12	31.8	317.5	40.5
8"	219.1	469.9	222.2	63.5	114.3	12.7	298.5	12	38.1	393.7	71.5
10"	273.0	546.1	277.4	69.9	127	12.7	368.3	16	38.1	469.9	104
12"	323.8	609.6	328.2	79.2	142.7	12.7	419.1	20	38.1	533.4	139
14"	355.6	641.3	360.2	85.9	155.4	12.7	450.9	20	41.1	558.8	161
16"	406.4	704.9	411.2	88.9	165.1	12.7	508	20	44.5	616	194
18"	457.2	787.4	462.3	101.6	190.5	12.7	565.2	20	50.8	685.8	267
20"	508.0	857.3	514.4	108	209.6	12.7	622.3	20	53.8	749.3	334
24"	609.6	1041	616	139.7	266.7	12.7	749.3	20	66.5	901.7	618



1500 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5

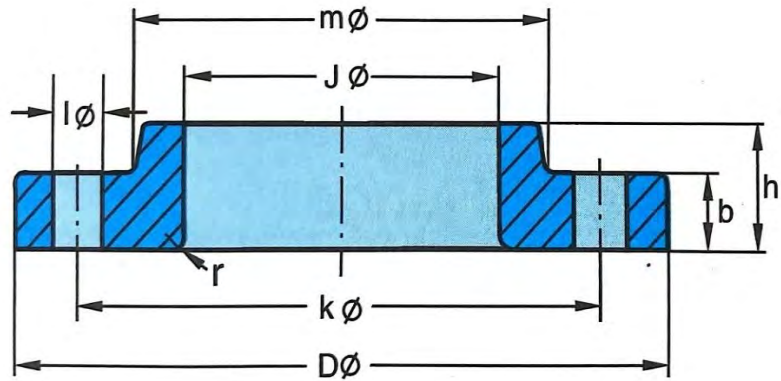


Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3	120.7	22.9	22.4	31.8	3	38.1	4	22.4	82.6	1.71
3/4"	26.7	130	28.2	25.4	35.1	3	44.5	4	22.4	88.9	2.3
1"	33.4	149.4	35.1	28.4	41.1	3	52.3	4	25.4	101.6	3.4
1 1/4"	42.2	158.8	43.7	28.4	41.1	4.8	63.5	4	25.4	111.3	3.85
1 1/2"	48.3	177.8	50	31.8	44.5	6.4	69.9	4	28.4	124	5.28
2"	60.3	215.9	62.5	38.1	57.2	7.9	104.6	8	25.4	165.1	9.78
2 1/2"	73.0	244.3	75.4	41.1	63.5	7.9	124	8	28.4	190.5	13.6
3"	88.9	266.7	91.4	47.8	73.2	9.7	133.4	8	31.8	203.2	17.8
4"	114.3	311.2	116.8	53.8	90.4	11.2	162.1	8	35.1	241.3	27.5
5"	141.3	374.7	144.5	73.2	104.6	11.2	196.9	8	41.1	292.1	51.5
6"	168.3	393.7	171.5	82.6	119.1	12.7	228.6	12	38.1	317.5	62
8"	219.1	482.6	222.3	91.9	142.7	12.7	292.1	12	44.5	393.7	105
10"	273.0	584.2	277.4	108	177.8	12.7	368.3	12	50.8	482.6	179
12"	323.8	673.1	328.2	124	218.9	12.7	450.9	16	53.8	571.5	269
14"	355.6	749.3	360.2	133.4	241.3	12.7	495.3	16	60.5	635	365
16"	406.4	825.5	411.2	146.1	260.4	12.7	552.5	16	66.5	704.9	459
18"	457.2	914.4	462.3	162.1	276.4	12.7	596.9	16	73.2	774.7	598
20"	508.0	984.3	514.4	177.8	292.1	12.7	641.4	16	79.2	831.9	712
24"	609.6	1168	616	203.2	330.2	12.7	762	16	91.9	990.6	1090



2500 lb / sq. in.

Lap Joint Flanges
 Lose Flansche



ANSI B16.5



Pipe Rohr		Flange Flansch					Hub Ansatz	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	b	h	r	m	Numbe r	l	k	Kilo
1/2"	21.3	133.4	22.9	30.2	39.6	3	42.9	4	22.4	88.9	2.92
3/4"	26.7	139.7	28.2	31.8	42.9	3	50.8	4	22.4	95.3	3.4
1"	33.4	158.8	35.1	35.1	47.8	3	57.2	4	25.4	108	4.77
1 1/4"	42.2	184.2	43.7	38.1	52.3	4.8	73.2	4	28.4	130	7.08
1 1/2"	48.3	203.2	50	44.5	60.5	6.4	79.2	4	31.8	146.1	9.93
2"	60.3	235	62.5	50.8	69.9	7.9	95.3	8	28.4	171.5	14.7
2 1/2"	73.0	266.7	75.4	57.2	79.2	7.9	114.3	8	31.8	196.9	21.3
3"	88.9	304.8	91.4	66.5	91.9	9.7	133.4	8	35.1	228.6	32.3
4"	114.3	355.6	116.8	76.2	108	11.2	165.1	8	41.1	273.1	52.5
5"	141.3	419.1	144.5	91.9	130	11.2	203.2	8	47.8	323.9	82.6
6"	168.3	482.6	171.5	108	152.4	12.7	235	8	53.8	368.3	127
8"	219.1	552.5	222.3	127	177.8	12.7	304.8	12	53.8	438.2	186
10"	273.0	673.1	277.4	165.1	228.6	12.7	374.7	12	66.5	539.8	352
12"	323.8	762	328.2	184.2	254	12.7	441.5	12	73.2	619.3	501



ANSI B 16.5

Blind Flanges *Blindflansche*



Click to

150 lb

300 lb

400 lb

600 lb

900 lb

1500 lb

2500 lb



Click

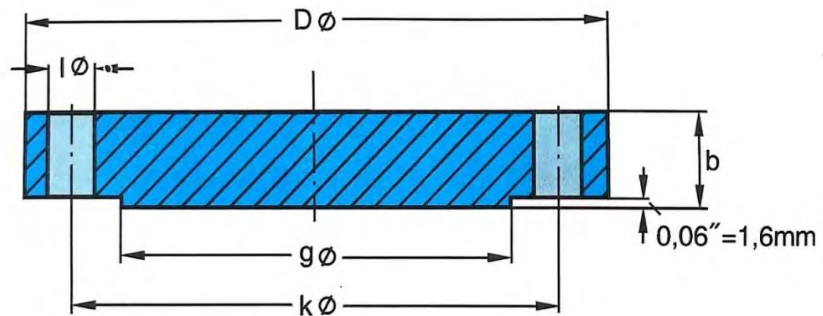


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150 lb / sq. in.

Blind Flanges
Blindflansche



ANSI B16.5

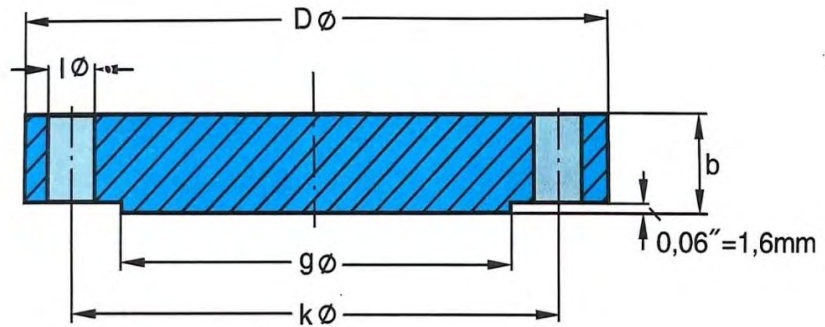


Pipe Rohr		Flange Flansch			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo	
1/2"	21.3	88.9	11.2	35.1	4	15.7	60.5	0.42	
3/4"	26.7	98.6	12.7	42.9	4	15.7	69.9	0.61	
1"	33.4	108	14.2	50.8	4	15.7	79.2	0.86	
1 1/4"	42.2	117.3	15.7	63.5	4	15.7	88.9	1.17	
1 1/2"	48.3	127	17.5	73.2	4	15.7	98.6	1.53	
2"	60.3	152.4	19.1	91.9	4	19.1	120.7	2.42	
2 1/2"	73.0	177.8	22.4	104.6	4	19.1	139.7	3.94	
3"	88.9	190.5	23.9	127	4	19.1	152.4	4.93	
3 1/2"	101.6	215.9	23.9	139.7	8	19.1	177.8	6.17	
4"	114.3	228.6	23.9	157.2	8	19.1	190.5	7	
5"	141.3	254	23.9	185.7	8	22.4	215.9	8.63	
6"	168.3	279.4	25.4	215.9	8	22.4	241.3	11.3	
8"	219.1	342.9	28.4	269.7	8	22.4	298.5	19.6	
10"	273.0	406.4	30.2	323.8	12	25.4	362	28.8	
12"	323.8	482.6	31.8	381	12	25.4	431.8	43.2	
14"	355.6	533.4	35.1	412.8	12	28.4	476.3	58.1	
16"	406.4	596.9	36.6	469.9	16	28.4	539.8	76	
18"	457.2	635	39.6	533.4	16	31.8	577.9	93.7	
20"	508.0	698.5	42.9	584.2	20	31.8	635	122	
24"	609.6	812.8	47.8	692.2	20	35.1	749.3	185	



300 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5

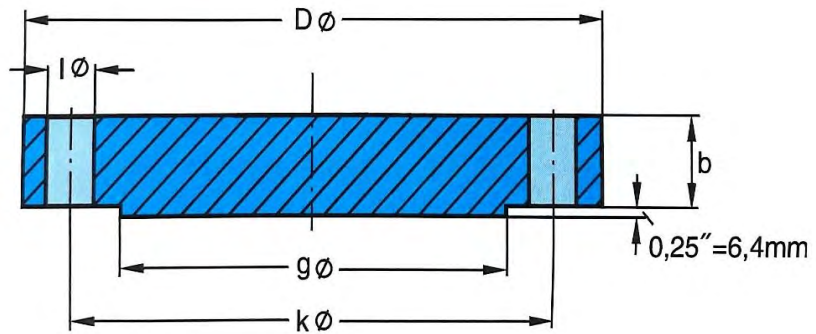


Pipe Rohr		Flange Flansch			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo	
1/2"	21.3	95.2	14.2	35.1	4	15.7	66.6	0.64	
3/4"	26.7	117.3	15.8	42.9	4	19.1	82.6	1.11	
1"	33.4	124	17.5	50.8	4	19.1	88.9	1.39	
1 1/4"	42.2	133.4	19.1	63.5	4	19.1	98.6	1.79	
1 1/2"	48.3	155.4	20.6	73.2	4	22.4	114.3	2.66	
2"	60.3	165.1	22.4	91.9	8	19.1	127	3.18	
2 1/2"	73.0	190.5	25.4	104.6	8	22.4	149.4	4.85	
3"	88.9	209.5	28.4	127	8	22.4	168.1	6.81	
3 1/2"	101.6	228.6	30.2	139.7	8	22.4	184.2	8.71	
4"	114.3	254	31.8	157.2	8	22.4	200.2	11.5	
5"	141.3	279.4	35.1	185.7	8	22.4	235	15.6	
6"	168.3	317.5	36.6	215.9	12	22.4	269.7	20.9	
8"	219.1	381	41.1	269.7	12	25.4	330.2	34.3	
10"	273.0	444.5	47.8	323.8	16	28.4	387.4	53.3	
12"	323.8	520.7	50.8	381	16	31.8	450.9	78.8	
14"	355.6	584.2	53.8	412.8	20	31.8	514.4	105	
16"	406.4	647.7	57.2	469.9	20	35.1	571.5	137	
18"	457.2	711.2	60.5	533.4	24	35.1	628.7	175	
20"	508.0	774.7	63.5	584.2	24	35.1	685.8	221	
24"	609.6	914.4	69.9	692.2	24	41.1	812.8	339	



400 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5



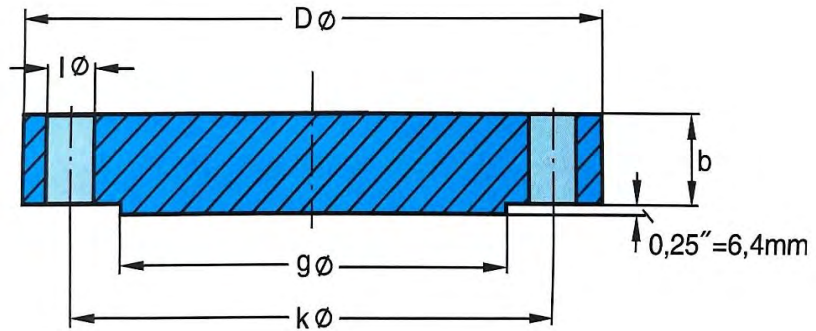
Pipe Rohr		Flange Flansch		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo
1/2"	21.3							
3/4"	26.7							
1"	33.4							
1 1/4"	42.2							
1 1/2"	48.3							
2"	60.3							
2 1/2"	73.0							
3"	88.9							
3 1/2"	101.6							
4"	114.3	254	35.1	157.2	8	25.4	200.2	13.7
5"	141.3	279.4	38.1	185.7	8	25.4	235	18.5
6"	168.3	317.5	41.1	215.9	12	25.4	269.7	25.5
8"	219.1	381	47.8	269.7	12	28.4	330.2	42.6
10"	273.0	444.5	53.8	323.8	16	31.8	387.4	64.5
12"	323.8	520.7	57.2	381	16	35.1	450.9	94.3
14"	355.6	584.2	60.5	412.8	20	35.1	514.4	124
16"	406.4	647.7	63.5	469.9	20	38.1	571.5	162
18"	457.2	711.2	66.5	533.4	24	38.1	628.7	205
20"	508.0	774.7	69.9	584.2	24	41.1	685.8	254
24"	609.6	914.4	76.2	692.2	24	47.8	812.8	386

Use 600 lb dimensions for these sizes.
 Für diesen Bereich gelten 600-lb-Abmessungen



600 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5

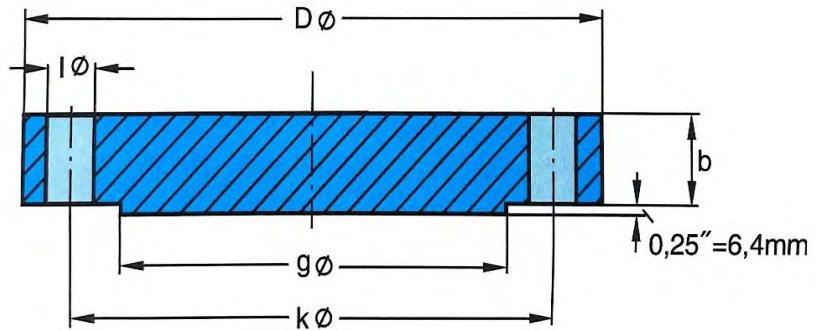


Pipe Rohr		Flange Flansch			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo	
1/2"	21.3	95.3	14.2	35.1	4	15.7	66.6	0.76	
3/4"	26.7	117.3	15.8	42.9	4	19.1	82.6	1.28	
1"	33.4	124	17.5	50.8	4	19.1	88.9	1.6	
1 1/4"	42.2	133.4	20.6	63.5	4	19.1	98.6	2.23	
1 1/2"	48.3	155.4	22.4	73.2	4	22.4	114.3	3.25	
2"	60.3	165.1	25.4	91.9	8	19.1	127	4.15	
2 1/2"	73.0	190.5	28.4	104.6	8	22.4	149.4	6.13	
3"	88.9	209.6	31.8	127	8	22.4	168.1	8.44	
3 1/2"	101.6	228.6	35.1	139.7	8	25.4	184.2	11	
4"	114.3	273.1	38.1	157.2	8	25.4	215.9	17.3	
5"	141.3	330.2	44.5	185.7	8	28.4	266.7	29.4	
6"	168.3	355.6	47.8	215.9	12	28.4	292.1	36.1	
8"	219.1	419.1	55.6	269.7	12	31.8	349.3	58.9	
10"	273.0	508	63.5	323.8	16	35.1	431.8	97.5	
12"	323.8	558.8	66.5	381	20	35.1	489	124	
14"	355.6	603.3	69.9	412.8	20	38.1	527.1	151	
16"	406.4	685.8	76.2	469.9	20	41.1	603.3	214	
18"	457.2	743	82.6	533.4	20	44.5	654.1	272	
20"	508.0	812.8	88.9	584.2	24	44.5	723.9	349	
24"	609.6	939.8	101.6	692.2	24	50.8	838.2	533	



900 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5



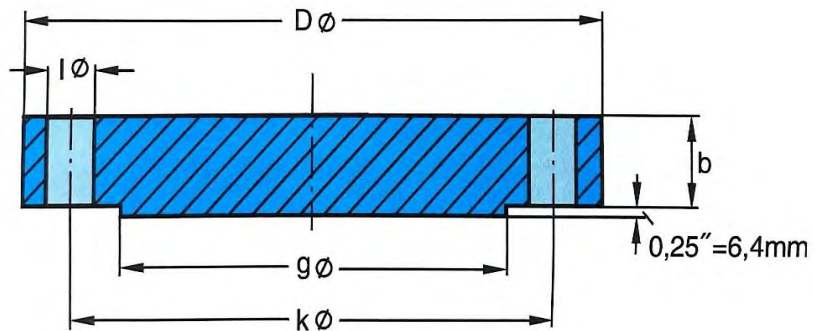
Pipe Rohr		Flange Flansch		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo
1/2"	21.3							
3/4"	26.7							
1"	33.4							
1 1/4"	42.2							
1 1/2"	48.3							
2"	60.3							
2 1/2"	73.0							
3"	88.9	241.3	38.1	127	8	25.4	190.5	13.1
4"	114.3	292.1	44.5	157.2	8	31.8	235	26.9
5"	141.3	349.3	50.8	185.7	8	35.1	279.4	36.5
6"	168.3	381	55.6	215.9	12	31.8	317.5	47.4
8"	219.1	469.9	63.5	269.7	12	38.1	393.7	82.5
10"	273.0	546.1	69.9	323.8	16	38.1	469.9	122
12"	323.8	609.6	79.2	381	20	38.1	533.4	173
14"	355.6	641.4	85.9	412.8	20	41.1	558.8	206
16"	406.4	704.9	88.9	469.9	20	44.5	616	259
18"	457.2	787.4	101.6	533.4	20	50.8	685.8	367
20"	508.0	857.2	108	584.2	20	53.8	749.3	463
24"	609.6	1041.4	139.7	692.2	20	66.5	901.7	876

Use 1500 lb dimensions for these sizes.
 Für diesen Bereich gelten 1500-lb-Abmessungen



1500 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5

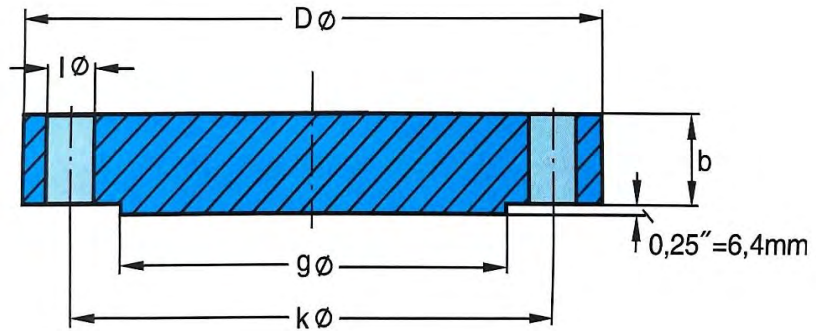


Pipe Rohr		Flange Flansch			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo	
1/2"	21.3	120.7	22.4	35.1	4	22.4	82.6	1.77	
3/4"	26.7	130	25.4	42.9	4	22.4	88.9	2.42	
1"	33.4	149.4	28.4	50.8	4	25.4	101.6	3.57	
1 1/4"	42.2	158.8	28.4	63.5	4	25.4	111.3	4.14	
1 1/2"	48.3	177.8	31.8	73.2	4	28.4	124	5.75	
2"	60.3	215.9	38.1	91.9	8	25.4	165.1	10.1	
2 1/2"	73.0	244.4	41.1	104.6	8	28.4	190.5	14	
3"	88.9	266.7	47.8	127	8	31.8	203.2	19.1	
4"	114.3	311.2	53.8	157.2	8	35.1	241.3	29.9	
5"	141.3	374.7	73.2	185.7	8	41.1	292.1	58.4	
6"	168.3	393.7	82.6	215.9	12	38.1	317.5	71.8	
8"	219.1	482.6	91.9	269.7	12	44.5	393.7	122	
10"	273.0	584.2	108	323.8	12	50.8	482.6	210	
12"	323.8	673.1	124	381	16	53.8	571.5	316	
14"	355.6	749.3	133.4	412.8	16	60.5	635	420	
16"	406.4	825.5	146.1	469.9	16	66.5	704.9	558	
18"	457.2	914.4	162.1	533.4	16	73.2	774.7	760	
20"	508.0	984.3	177.8	584.2	16	79.2	831.9	965	
24"	609.6	1168.4	203.2	692.2	16	91.9	990.6	1558	



2500 lb / sq. in.

Blind Flanges
 Blindflansche



ANSI B16.5



Pipe Rohr		Flange Flansch			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	g	Number	l	k	Kilo	
1/2"	21.3	133.4	30.2	35.1	4	22.4	88.9	2.99	
3/4"	26.7	139.7	31.8	42.9	4	22.4	95.3	3.5	
1"	33.4	158.8	35.1	50.8	4	25.4	108	4.96	
1 1/4"	42.2	184.2	38.1	63.5	4	28.4	130	7.35	
1 1/2"	48.3	203.2	44.5	73.2	4	31.8	146.1	10.4	
2"	60.3	235	50.8	91.9	8	28.4	171.5	15.6	
2 1/2"	73.0	266.7	57.2	104.6	8	31.8	196.9	22.6	
3"	88.9	304.8	66.5	127	8	35.1	228.6	34.8	
4"	114.3	355.6	76.2	157.2	8	41.1	273.1	53.9	
5"	141.3	419.1	91.9	185.7	8	47.8	323.8	90.8	
6"	168.3	482.6	108	215.9	8	53.8	368.3	141	
8"	219.1	552.5	127	269.7	12	53.8	438.2	214	
10"	273.0	673.1	165.1	323.8	12	66.5	539.8	411	
12"	323.8	762	184.2	381	12	73.2	619.3	592	



ANSI B 16.5

Socket Welding Flanges *Einsteckschweißflansche*



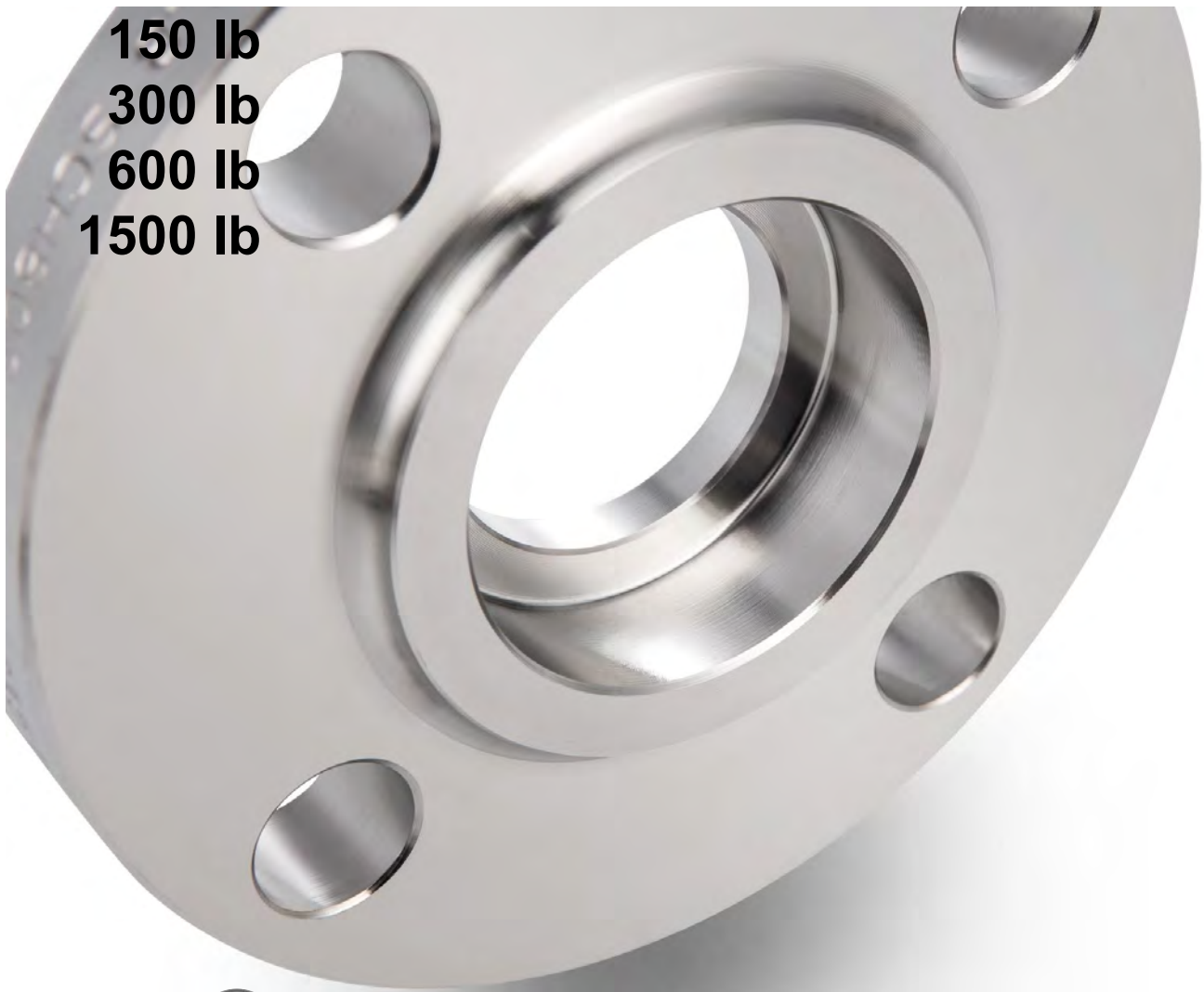
Click to

150 lb

300 lb

600 lb

1500 lb

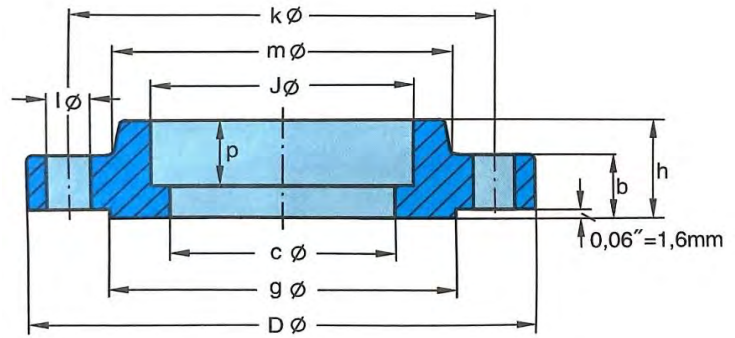


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150 lb / sq. in.

Socket Welding Flanges
Einsteckschweißflansche



ANSI B16.5

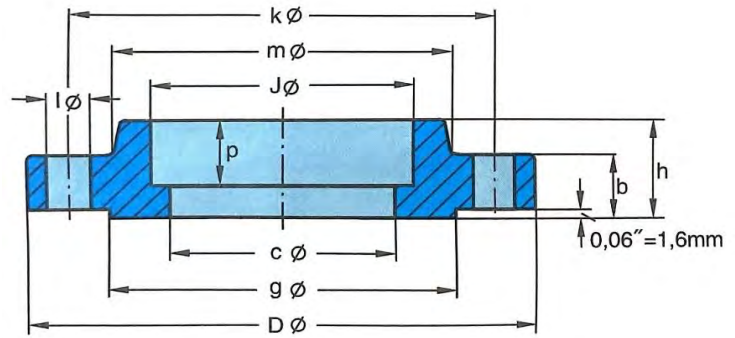


Pipe Rohr		Flange Flansch						Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	c	p	b	h	m	g	Num- ber	l	k	Kilo
1/2"	21.3	88.9	22.4	15.7	9.7	11.2	15.7	30.2	35.1	4	15.7	60.8	0.42
3/4"	26.7	98.6	27.7	20.8	11.2	12.7	15.7	38.1	42.9	4	15.7	69.9	0.59
1"	33.4	108.0	34.5	26.7	12.7	14.2	17.5	49.3	50.8	4	15.7	79.2	0.81
1 1/4"	42.2	117.3	43.2	35.1	14.2	15.7	20.6	58.7	63.5	4	15.7	88.9	1.07
1 1/2"	48.3	127.0	49.5	40.9	15.7	17.5	22.4	65.0	73.2	4	15.7	98.6	1.36
2"	60.3	152.4	62.0	52.6	17.5	19.1	25.4	77.7	91.9	4	19.1	120.7	2.10
2 1/2"	73.0	177.8	74.7	62.7	19.1	22.4	28.4	90.4	104.6	4	19.1	139.7	3.33
3"	88.9	190.5	90.7	78.0	20.6	23.9	30.2	108.0	127.0	4	19.1	152.4	3.90



300 lb / sq. in.

Socket Welding Flanges
 Einsteckschweißflansche



ANSI B16.5

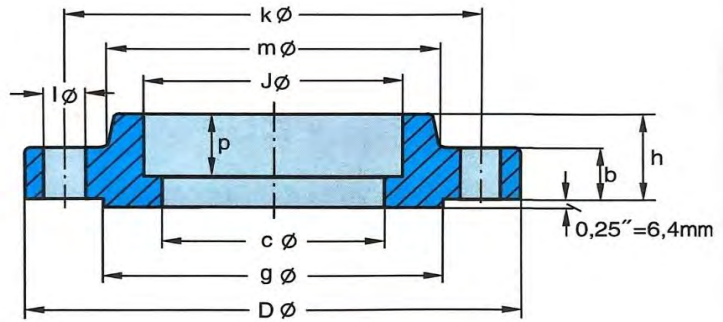


Pipe Rohr		Flange Flansch						Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	c	p	b	h	m	g	Num- ber	l	k	Kilo
1/2"	21.3	95.3	22.4	15.7	9.7	14.2	22.4	38.1	35.1	4	15.7	66.5	0.66
3/4"	26.7	117.3	27.7	20.8	11.2	15.7	25.4	47.8	42.9	4	19.1	82.6	1.15
1"	33.4	124.0	34.5	26.7	12.7	17.5	26.9	53.8	50.8	4	19.1	88.9	1.40
1 1/4"	42.2	133.4	43.2	35.1	14.2	19.1	26.9	63.5	63.5	4	19.1	98.6	1.75
1 1/2"	48.3	155.4	49.5	40.9	15.7	20.6	30.2	69.9	73.2	4	22.4	114.3	2.55
2"	60.3	165.1	62.0	52.6	17.5	22.4	33.3	84.1	91.9	8	19.1	127.0	2.93
2 1/2"	73.0	190.5	74.7	62.7	19.1	25.4	38.1	100.1	104.6	8	22.4	149.4	4.40
3"	88.9	209.5	90.7	78.0	20.6	28.4	42.9	117.3	127.0	8	22.4	168.1	5.92



600 lb / sq. in.

Socket Welding Flanges
 Einsteckschweißflansche



ANSI B16.5

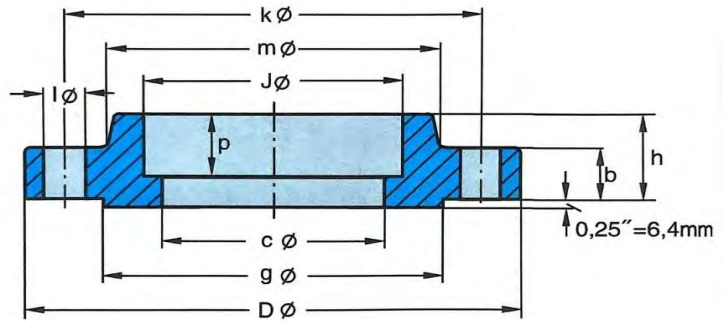


Pipe Rohr		Flange Flansch						Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	c	p	b	h	m	g	Num- ber	l	k	Kilo
1/2"	21.3	95.3	22.4	To be specified by purchaser Vom Besteller anzugeben	9.7	14.2	22.4	38.1	35.1	4	15.7	66.5	0.76
3/4"	26.7	117.3	27.7		11.2	15.7	25.4	47.8	42.9	4	19.1	82.6	1.29
1"	33.4	124.0	34.5		12.7	17.5	26.9	53.8	50.8	4	19.1	88.9	1.55
1 1/4"	42.2	133.4	43.2		14.2	20.6	28.4	63.5	63.5	4	19.1	98.6	2.06
1 1/2"	48.3	155.4	49.5		15.7	22.4	31.8	69.9	73.2	4	22.4	114.3	3.00
2"	60.3	165.1	62.0		17.5	25.4	36.6	84.1	91.9	8	19.1	127.0	3.67
2 1/2"	73.0	190.5	74.7		19.1	28.4	41.1	100.1	104.6	8	22.4	149.4	5.35
3"	88.9	209.6	90.7		20.6	31.8	46.0	117.3	127.0	8	22.4	168.1	7.06



1500 lb / sq. in.

Socket Welding Flanges
 Einsteckschweißflansche



ANSI B16.5



Pipe Rohr		Flange Flansch						Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	J	c	p	b	h	m	g	Num- ber	l	k	Kilo
1/2"	21.3	95.3	22.4	To be specified by purchaser Vom Besteller anzugeben	9.7	22.4	31.8	38.1	35.1	4	22.4	82.6	1.80
3/4"	26.7	117.3	27.7		11.2	25.4	35.1	44.5	42.9	4	22.4	88.9	2.41
1"	33.4	124.0	34.5		12.7	28.4	41.1	52.3	50.8	4	25.4	101.6	3.55
1 1/4"	42.2	133.4	43.2		14.2	28.4	41.1	63.5	63.5	4	25.4	111.3	4.02
1 1/2"	48.3	155.4	49.5		15.7	31.8	44.5	69.9	73.2	4	28.4	124.0	5.45
2"	60.3	165.1	62.0		17.5	38.1	57.2	104.6	91.9	8	25.4	165.1	10.20
2 1/2"	73.0	190.5	74.7		19.1	41.1	63.5	124.0	104.6	8	28.4	190.5	13.90



ANSI B 16.5

Threaded Flanges *Gewindeflansche*



Click to

150 lb

300 lb

400 lb

600 lb

900 lb

1500 lb

2500 lb



Click

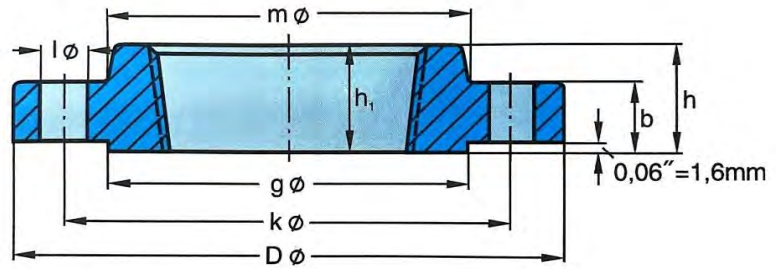


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150 lb / sq. in.

Threaded Flanges
Gewindeflansch



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

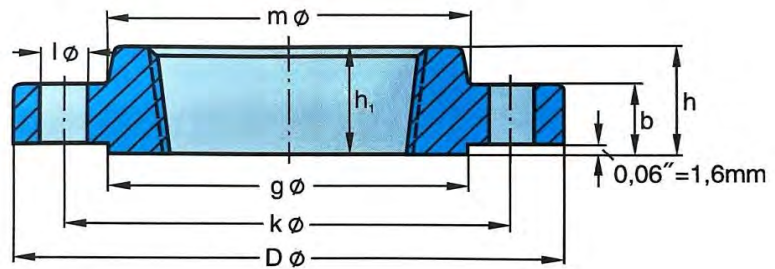


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h/h ₁ mm	m mm	g mm	Numbe r	l mm	k mm	Kilo
1/2"	21.3	88.9	No Counter Bore Required on 150 lb Threaded Flange Keine Eindrehung bei Gewindeflanschen 150 lb	11.2	15.7	30.2	35.1	4	15.7	60.5	0.39
3/4"	26.7	98.6		12.7	15.7	38.1	42.9	4	15.7	69.9	0.56
1"	33.4	108.0		14.2	17.5	49.3	50.8	4	15.7	79.2	0.78
1 1/4"	42.2	117.3		15.7	20.6	58.7	63.5	4	15.7	88.9	1.03
1 1/2"	48.3	127.0		17.5	22.4	65.0	73.2	4	15.7	98.6	1.32
2"	60.3	152.4		19.1	25.4	77.7	91.9	4	19.1	120.7	2.06
2 1/2"	73.0	177.8		22.4	28.4	90.4	104.6	4	19.1	139.7	3.28
3"	88.9	190.5		23.9	30.2	108.0	127.0	4	19.1	152.4	3.85
3 1/2"	101.6	215.9		23.9	31.8	122.2	139.7	8	19.1	177.8	4.81
4"	114.3	228.6		23.9	33.3	134.9	157.2	8	19.1	190.5	5.30
5"	141.3	254.0		23.9	36.6	163.6	185.7	8	22.4	215.9	6.07
6"	168.3	279.4		25.4	39.6	192.0	215.9	8	22.4	241.3	7.45
8"	219.1	342.9		28.4	44.5	246.1	269.7	8	22.4	298.5	12.10
10"	273.0	406.4		30.2	49.3	304.9	323.8	12	25.4	362.0	16.50
12"	323.8	482.6		31.8	55.6	365.3	381.0	12	25.4	431.8	26.20
14"	355.6	533.4		35.1	57.2	400.1	412.8	12	28.4	476.3	34.60
16"	406.4	596.9	36.6	63.5	457.2	469.9	16	28.4	539.8	44.80	
18"	457.2	635.0	39.6	68.3	505.0	533.4	16	31.8	577.9	48.90	
20"	508.0	698.5	42.9	73.2	558.8	584.2	20	31.8	635.0	61.90	
24"	609.6	812.8	47.8	82.6	663.4	692.2	20	35.1	749.3	86.90	



300 lb / sq. in.

Threaded Flanges
Gewindeflansch



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

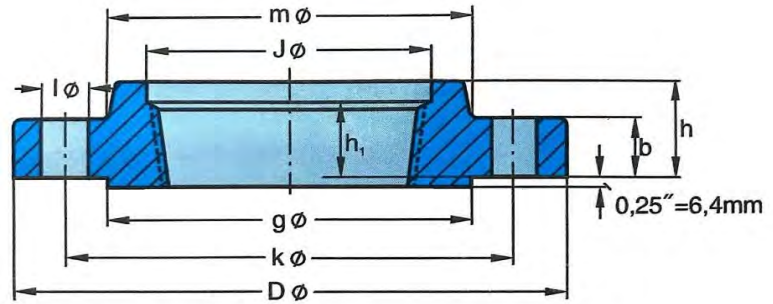


Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Number	l mm	k mm	Kilo
1/2"	21.3	95.2	23.6	14.2	22.3	15.7	38.1	35.0	4	15.7	66.5	0.64
3/4"	26.7	117.3	29.0	15.7	25.4	15.7	47.8	42.9	4	19.1	82.6	1.12
1"	33.4	124.0	35.8	17.5	26.9	17.5	53.8	50.8	4	19.1	88.9	1.36
1 1/4"	42.2	133.4	44.5	19.1	26.9	20.6	63.5	63.5	4	19.1	98.6	1.68
1 1/2"	48.3	155.4	50.5	20.6	30.2	22.4	69.9	73.2	4	22.4	114.3	2.49
2"	60.3	165.1	63.5	22.4	33.3	28.4	84.1	91.9	8	19.1	127.0	2.87
2 1/2"	73.0	190.5	76.2	25.4	38.1	31.8	100.1	104.6	8	22.4	149.4	4.32
3"	88.9	209.6	92.2	28.4	42.9	31.8	117.3	127.0	8	22.4	168.1	5.85
3 1/2"	101.6	228.6	104.9	30.2	44.5	36.6	133.4	139.7	8	22.4	184.2	7.34
4"	114.3	254.0	117.6	31.8	47.8	36.6	146.1	157.2	8	22.4	200.2	9.61
5"	141.3	279.4	144.5	35.1	50.8	42.9	177.8	185.7	8	22.4	235.0	12.30
6"	168.3	317.5	171.5	36.6	52.3	46.0	206.2	215.9	12	22.4	269.7	15.60
8"	219.1	381.0	222.3	41.1	62.0	50.8	260.4	269.7	12	25.4	330.2	24.20
10"	273.0	444.5	276.4	47.8	66.5	55.6	320.5	323.8	16	28.4	387.4	34.10
12"	323.8	520.7	328.7	50.8	73.2	60.5	374.7	381.0	16	31.8	450.9	49.80
14"	355.6	584.2	360.4	53.8	76.2	63.5	425.5	412.8	20	31.8	514.4	69.90
16"	406.4	647.7	411.2	57.2	82.6	68.3	482.6	469.9	20	35.1	571.5	88.10
18"	457.2	711.2	462.0	60.5	88.9	69.9	533.4	533.4	24	35.1	628.7	109.00
20"	508.0	774.7	512.8	63.5	95.3	73.2	587.2	584.2	24	35.1	685.8	134.00
24"	609.6	914.4	614.4	69.9	106.4	82.6	701.5	692.2	24	41.1	812.8	201.00



400 lb / sq. in.

Threaded Flanges
Gewindeflansch



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

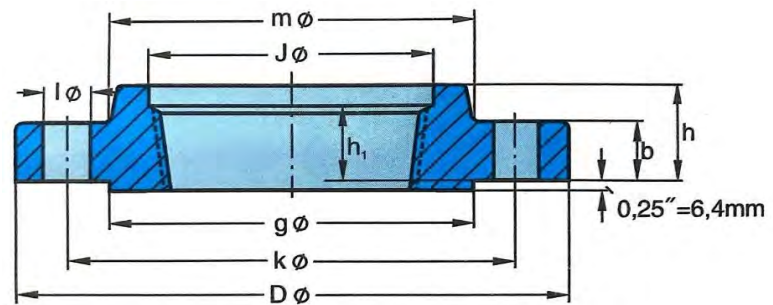


Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Number	l mm	k mm	Kilo
1/2"	21.3											
3/4"	26.7											
1"	33.4											
1 1/4"	42.2											
1 1/2"	48.3											
2"	60.3											
2 1/2"	73.0											
3"	88.9											
3 1/2"	101.6											
Use 600 lb dimensions for these sizes. Für diesen Bereich gelten 600-lb-Abmessungen												
4"	114.3	254.0	117.6	35.1	50.8	36.6	146.1	157.2	8	25.4	200.2	11.10
5"	141.3	279.4	144.5	38.1	53.8	42.9	177.8	185.7	8	25.4	235.0	13.90
6"	168.3	317.5	171.5	41.1	57.2	46.0	206.2	215.9	12	25.4	269.7	18.30
8"	219.1	381.0	222.3	47.8	68.3	50.8	260.4	269.7	12	28.4	330.2	28.60
10"	273.0	444.5	276.4	53.8	73.2	55.6	320.5	323.8	16	31.8	387.4	39.20
12"	323.8	520.7	328.7	57.2	79.2	60.5	374.7	381.0	16	35.1	450.9	57.00
14"	355.6	584.2	360.4	60.5	84.1	63.5	425.5	412.8	20	35.1	514.4	79.10
16"	406.4	647.7	411.2	63.5	93.7	68.3	482.6	469.9	20	38.1	571.5	101.00
18"	457.2	711.2	462.0	66.5	98.6	69.9	533.4	533.4	24	38.1	628.7	123.00
20"	508.0	774.7	512.8	69.9	101.6	73.2	587.2	584.2	24	41.1	685.8	146.00
24"	609.6	914.4	614.4	76.2	114.3	82.6	701.5	692.2	24	47.8	812.8	219.00



600 lb / sq. in.

Threaded Flanges
Gewindeflansch



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

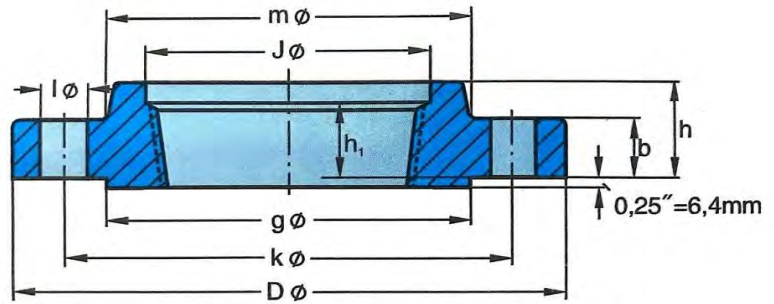


Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Number	l mm	k mm	Kilo
1/2"	21.3	95.3	23.6	14.2	22.4	15.7	38.1	35.1	4	15.7	66.5	0.74
3/4"	26.7	117.3	29.0	15.7	25.4	15.7	47.8	42.9	4	19.1	82.6	1.27
1"	33.4	124.0	35.8	17.5	26.9	17.5	53.8	50.8	4	19.1	88.9	1.52
1 1/4"	42.2	133.4	44.5	20.6	28.4	20.6	63.5	63.5	4	19.1	98.6	2.03
1 1/2"	48.3	155.4	50.5	22.4	31.8	22.4	69.9	73.2	4	22.4	114.3	2.96
2"	60.3	165.1	63.5	25.4	36.6	28.4	84.1	91.9	8	19.1	127.0	3.62
2 1/2"	73.0	190.5	76.2	28.4	41.1	31.8	100.1	104.6	8	22.4	149.4	5.28
3"	88.9	209.6	92.2	31.8	46.0	35.1	117.3	127.0	8	22.4	168.1	7.00
3 1/2"	101.6	228.6	104.9	35.1	49.3	39.6	133.4	139.7	8	25.4	184.2	8.84
4"	114.3	273.1	117.6	38.1	53.8	41.1	152.4	157.2	8	25.4	215.9	14.50
5"	141.3	330.2	144.5	44.5	60.5	47.8	189.0	185.7	8	28.4	266.7	24.40
6"	168.3	355.6	171.5	47.8	66.5	50.8	222.3	215.9	12	28.4	292.1	28.70
8"	219.1	419.1	222.3	55.6	76.2	57.2	273.1	269.7	12	31.8	349.3	43.40
10"	273.0	508.0	276.4	63.5	85.9	65.0	342.9	323.8	16	35.1	431.8	70.30
12"	323.8	558.8	328.7	66.5	91.9	69.9	400.1	381.0	20	35.1	489.0	84.20
14"	355.6	603.3	360.4	69.9	93.7	73.2	431.8	412.8	20	38.1	527.1	98.70
16"	406.4	685.8	411.2	76.2	106.4	77.7	495.3	469.9	20	41.1	603.3	142.00
18"	457.2	743.0	462.0	82.6	117.3	79.2	546.1	533.4	20	44.5	654.1	173.00
20"	508.0	812.8	512.8	88.9	127.0	82.6	609.6	584.2	24	44.5	723.9	220.00
24"	609.6	939.8	614.4	101.6	139.7	92.0	717.6	692.2	24	50.8	838.2	312.00



900 lb / sq. in.

Threaded Flanges
Gewindeflanschhe



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

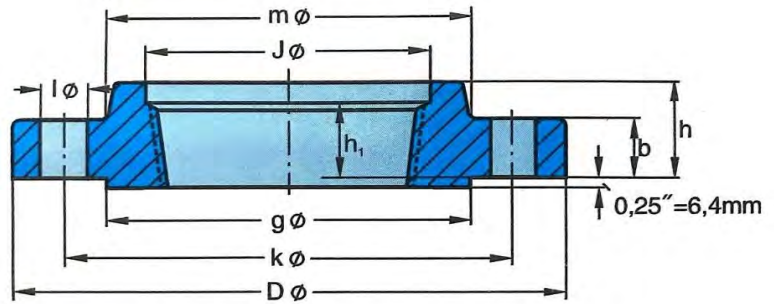


Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
1/2"	21.3	Use 1500 lb dimensions for these sizes. Für diesen Bereich gelten 1500-lb-Abmessungen										
3/4"	26.7											
1"	33.4											
1 1/4"	42.2											
1 1/2"	48.3											
2"	60.3											
2 1/2"	73.0											
3"	88.9	241.3	92.2	38.1	53.8	41.1	127.0	127.0	8	25.4	190.5	11.60
4"	114.3	292.1	117.6	44.5	69.8	47.8	158.7	157.2	8	31.8	235.0	19.70
5"	141.3	349.3	144.5	50.8	79.2	53.8	190.5	185.7	8	35.1	279.4	31.90
6"	168.3	381.0	171.5	55.6	85.9	57.2	235.0	215.9	12	31.8	317.5	41.10
8"	219.1	469.9	222.3	63.5	101.6	63.5	298.5	269.7	12	38.1	393.7	70.70
10"	273.0	546.1	276.4	69.9	108.0	71.4	368.3	323.8	16	38.1	469.9	101.00
12"	323.8	609.6	328.7	79.3	117.3	76.2	419.1	381.0	20	38.1	533.4	133.00
14"	355.6	641.4	360.4	85.9	130.0	82.6	450.9	412.8	20	41.1	558.8	153.00
16"	406.4	704.9	411.2	88.9	133.4	85.9	508.0	469.9	20	44.5	616.0	185.00
18"	457.2	787.4	462.0	101.6	152.4	88.9	565.2	533.4	20	50.8	685.8	258.00
20"	508.0	857.3	512.8	108.0	158.8	91.9	622.3	584.2	20	53.8	749.3	317.00
24"	609.6	1041.4	614.4	139.7	203.2	101.6	749.3	692.2	20	66.5	901.7	606.00



1500 lb / sq. in.

Threaded Flanges
Gewindeflanschhe



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5

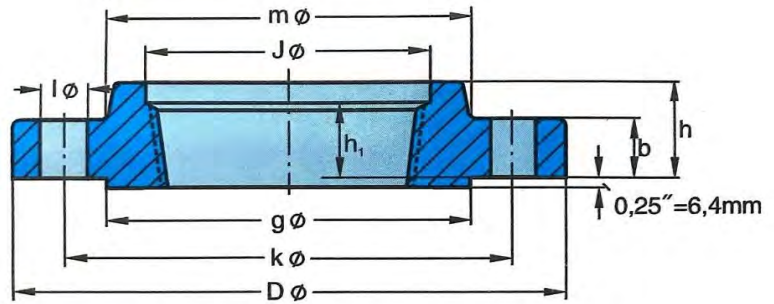


Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
1/2"	21.3	120.7	23.6	22.4	31.8	22.4	38.1	35.1	4	22.4	82.6	1.74
3/4"	26.7	130.0	29.0	25.4	35.1	25.4	44.5	42.9	4	22.4	88.9	2.34
1"	33.4	149.4	35.8	28.4	41.1	28.4	52.3	50.8	4	25.4	101.6	3.44
1 1/4"	42.2	158.8	44.5	28.4	41.1	30.2	63.5	63.5	4	25.4	111.3	3.91
1 1/2"	48.3	177.8	50.5	31.8	44.5	31.8	69.9	73.2	4	28.4	124.0	5.36
2"	60.3	215.9	63.5	38.1	57.2	38.1	104.6	91.9	8	25.4	165.1	9.85
2 1/2"	73.0	244.3	76.2	41.1	63.5	47.8	124.0	104.6	8	28.4	190.5	13.70
3"	88.9	266.7	92.2	47.8	73.2	50.8	133.4	127.0	8	31.8	203.2	17.90
4"	114.3	311.2	117.6	53.8	90.4	57.2	162.1	157.2	8	35.1	241.3	27.80
5"	141.3	374.7	144.5	73.2	104.6	63.5	196.9	185.7	8	41.1	292.1	51.80
6"	168.3	393.7	171.5	82.6	119.1	69.9	228.6	215.9	12	38.1	317.5	61.00
8"	219.1	482.6	222.3	91.9	142.7	76.2	292.1	269.7	12	44.5	393.7	103.00
10"	273.0	584.2	276.4	108.0	158.8	84.1	368.3	323.8	12	50.8	482.6	175.00
12"	323.8	673.1	328.7	124.0	180.8	91.9	450.9	381.0	16	53.8	571.5	264.00



2500 lb / sq. in.

Threaded Flanges
Gewindeflanschhe



Thread type: standard taper pipe thread to ANSI B 2.1
 Gewindeart: Standard-Rohrgewinde (NPT) nach ANSI B 2.1

ANSI B16.5



Pipe Rohr		Flange Flansch					Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	h ₁ mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
1/2"	21.3	133.4	23.6	30.2	39.6	28.4	42.9	35.1	4	22.4	88.9	2.95
3/4"	26.7	139.7	29.0	31.8	42.9	31.8	50.8	42.9	4	22.4	95.3	3.44
1"	33.4	158.8	35.8	35.1	47.8	35.1	57.2	50.8	4	25.4	108.0	4.82
1 1/4"	42.2	184.2	44.5	38.1	52.3	38.1	73.2	63.5	4	28.4	130.0	7.14
1 1/2"	48.3	203.2	50.5	44.5	60.5	44.5	79.2	73.2	4	31.8	146.1	10.00
2"	60.3	235.0	63.5	50.8	69.9	50.8	95.3	91.9	8	28.4	171.5	14.80
2 1/2"	73.0	266.7	76.2	57.2	79.2	57.2	114.3	104.6	8	31.8	196.9	21.50
3"	88.9	304.8	92.2	66.5	91.9	63.5	133.4	127.0	8	35.1	228.6	32.60
4"	114.3	355.6	117.6	76.2	108.0	69.9	165.1	157.2	8	41.1	273.1	52.90
5"	141.3	419.1	144.5	91.9	130.0	76.2	203.2	185.7	8	47.8	323.8	83.10
6"	168.3	482.6	171.5	108.0	152.4	82.6	235.0	215.9	8	53.8	368.3	128.00
8"	219.1	552.5	222.3	127.0	177.8	95.3	304.8	269.7	12	53.8	438.2	188.00
10"	273.0	673.1	276.4	165.1	228.6	108.0	374.7	323.8	12	66.5	539.8	355.00
12"	323.8	762.0	328.7	184.2	254.0	120.7	441.5	381.0	12	73.2	619.3	504.00



British Standard B.S.3293



Welding Neck Flanges *Vorschweißflansche*

Click to
 150 lb
 300 lb
 400 lb
 600 lb

Welding Neck Flanges Ring Joint Type *Vorschweißflansche mit Ringnut*

Click to
 300 lb
 400 lb
 600 lb

Slip-on Flanges *Überschiebflansche*

Click to
 150 lb
 300 lb
 400 lb
 600 lb

Slip-on Flanges Ring Joint Type *Überschiebflansche mit Ringnut*

Click to
 300 lb
 400 lb
 600 lb



Click  in every page at the top right of the table to back to this page.



British Standard 3293

Welding Neck and Slip-on Flanges acc. to B. S. 3293

Nominal Sizes larger than 24"

BRITISH STANDARD 3293 is a specification for carbon steel pipe flanges for the petroleum industry.

Vorschweiß- und Überschieb- flansche nach B. S. 3293

Nennweiten über 24"

BRITISH STANDARD 3293 ist eine Norm für Flansche aus Kohlenstoffstählen für die Petroleum-Industrie.

General Survey

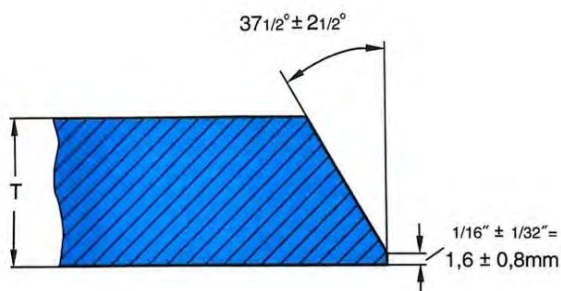


Nominal Pressure lb / sq. in. Nenndruck kp / cm ² Nenndruck N / cm ²	150	300	400	600
	10.6	21.1	28.1	42.2
	104	207	276	414
Type of flange <i>Flanschenart</i>	from 26" to max. Nominal Sizes von 26" bis max. Nennweiten			
Welding Neck Flanges Vorschweißflansche	48"	36"	36"	36"
same, Ring Joint Type Vorschweißflansche mit Ringnut	-	36"	36"	36"
Slip-on Flanges Überschiebflansche	48"	36"	36"	36"
same, Ring Joint Type Vorschweißflansche mit Ringnut	-	36"	36"	36"
Materials: according to ASTM. Corresponding to the details on the pages 97 to 99. Other materials on enquiry.	<i>Werkstoffe: nach ASTM, entsprechend den Angaben auf den Seiten 97 bis 99. Andere Werkstoffe auf Anfrage.</i>			

**Facings and Dimensional
Tolerances acc. To
ANSI B 16.5
except Lenth "h" at Slip-on
Flanges = ± 0.125"**

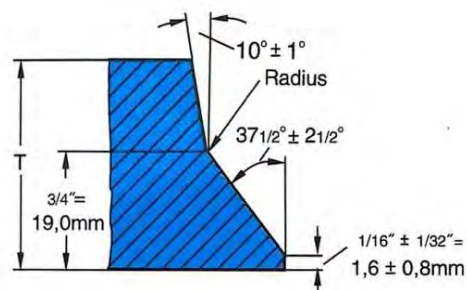
**Dichflächenbearbeitung
und Maßtoleranzen
nach ANSI B 16.5
ausgenommen Gesamthöhe "h"
bei Überschiebflansche
= ± 3.2 mm**

Welding Ends Anschweißenden



Recommended Bevel for Wall Thicknesses (T) at End of Flange, 3/4" or less.

Empfohlene Abschrägung für Wanddicken (T) 3/4" (19 mm) oder kleiner.



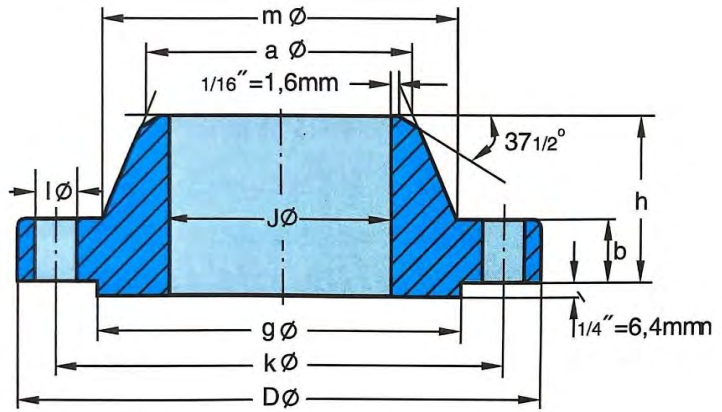
Recommended Bevel for Wall Thicknesses (T) at End of Flange, greater than 3/4".

Empfohlene Abschrägung für Wanddicken (T) größer als 3/4" (19 mm).



150 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



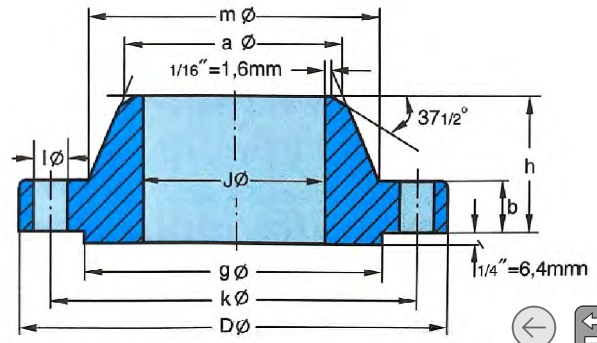
B. S. 3293



Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	870.0	To be specified by purchaser Vom Besteller anzugeben	50.8	127.0	660.4	723.9	743.0	24	34.9	806.5	118
28"	711.2	927.1		52.4	128.6	711.2	781.1	793.8	28	34.9	863.6	134
30"	762.0	984.3		54.0	130.2	762.0	831.9	857.3	28	34.9	914.4	153
32"	812.8	1060.5		57.2	133.4	812.8	889.0	908.1	28	41.3	977.9	190
34"	863.6	1111.3		58.8	135.0	863.6	939.8	958.8	32	41.3	1028.7	212
36"	914.4	1168.4		60.3	136.5	914.4	997.0	1022.4	32	41.3	1085.9	242
38"	965.2	1238.3		60.3	136.5	965.2	1060.5	1073.2	32	41.3	1149.4	284
40"	1016.0	1289.1		63.5	139.7	1016.0	1111.3	1124.0	36	41.3	1200.2	311
42"	1066.8	1346.2		66.7	142.9	1066.8	1168.4	1193.8	36	41.3	1257.3	358
44"	1117.6	1403.4		66.7	142.9	1117.6	1219.2	1244.6	40	41.3	1314.5	376
46"	1168.4	1454.2		68.3	144.5	1168.4	1270.0	1295.4	40	41.3	1365.3	399
48"	1219.2	1511.3		69.9	146.1	1219.2	1327.2	1358.9	44	41.3	1422.4	440



300 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche

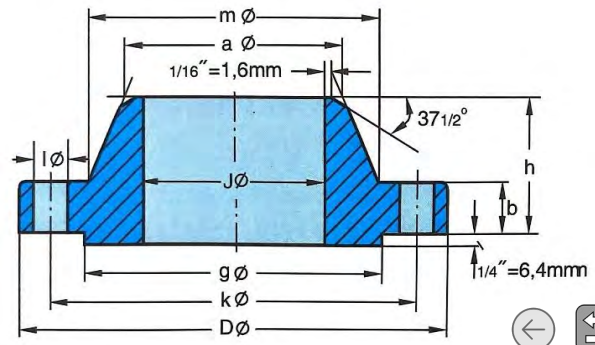


B. S. 3293

Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	971.6	To be specified by purchaser Vom Besteller anzugeben	79.4	184.2	666.8	720.7	749.3	28	44.5	876.3	279
28"	711.2	1035.1		85.7	196.9	717.6	774.7	800.1	28	44.5	939.8	340
30"	762.0	1092.2		92.1	209.6	768.4	827.1	857.3	28	47.6	997.0	390
32"	812.8	1149.4		98.4	222.3	819.2	881.1	914.4	28	50.8	1054.1	435
34"	863.6	1206.5		101.6	231.8	871.5	936.6	965.2	28	50.8	1104.9	504
36"	914.4	1270.0		104.8	241.3	922.3	990.6	1022.4	32	54.0	1168.4	560



400 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche

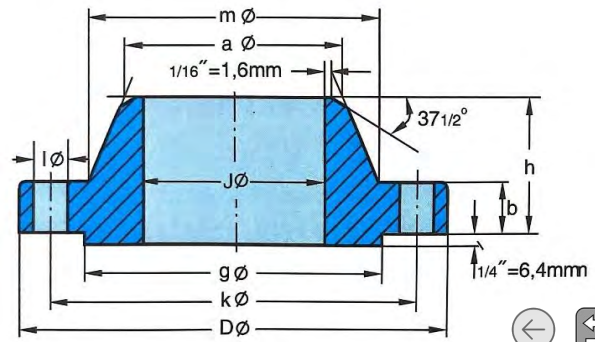


B. S. 3293

Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	971.6	To be specified by purchaser Vom Besteller anzugeben	88.9	193.7	668.3	727.1	749.3	28	47.6	876.3	340
28"	711.2	1035.1		95.3	206.4	719.1	782.6	800.1	28	50.8	939.8	399
30"	762.0	1092.2		101.6	219.1	769.9	836.6	857.3	28	54.0	997	454
32"	812.8	1149.4		108.0	231.8	822.3	889.0	914.4	28	54.0	1054.1	522
34"	863.6	1206.5		111.1	241.3	873.1	944.6	965.2	28	54.0	1104.9	590
36"	914.4	1270.0		114.3	250.9	925.5	1000.1	1022.4	32	54.0	1168.4	669



600 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche

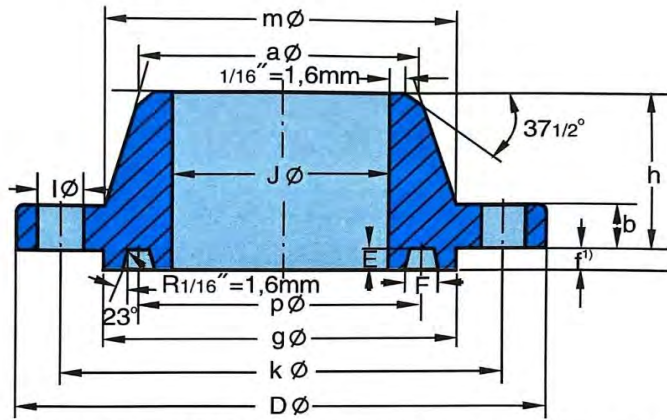


B. S. 3293

Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	1016.0	To be specified by purchaser Vom Besteller anzugeben	108.0	222.3	671.5	747.7	749.3	28	50.8	914.4	437
28"	711.2	1073.2		111.1	235.0	723.9	803.3	800.1	28	54.0	965.2	508
30"	762.0	1130.3		114.3	247.7	774.7	862.0	857.3	28	54.0	1022.4	559
32"	812.8	1193.8		117.5	260.4	825.5	917.6	914.4	28	60.3	1079.5	680
34"	863.6	1244.6		120.7	269.9	877.9	973.1	965.2	28	60.3	1130.3	717
36"	914.4	1314.5		123.8	282.6	928.7	1031.9	1022.4	28	66.7	1193.8	780



300 lb / sq. in.
Welding Neck Flanges
Ring Joint Type
Vorschweißflansche
mit Ringnut



1) f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
 1) f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

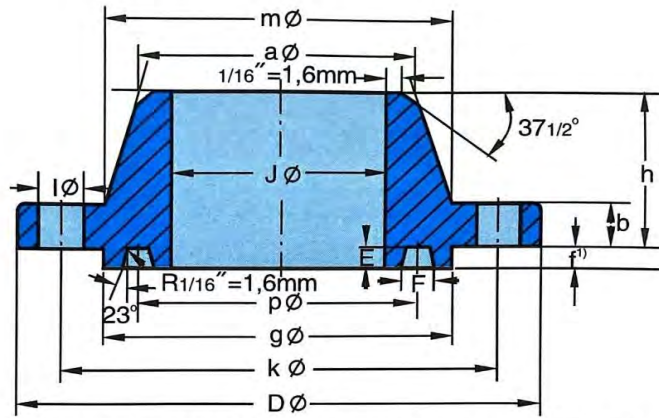
B. S. 3293



Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg
26"	660	971.6	To be specified by purchaser Vom Besteller anzugeben	79.4	184.2	666.8	720.7	749.3	28	44.5	876.3	749.3	12.7	19.8	279
28"	711	1035.1		85.7	196.9	717.6	774.7	800.1	28	44.5	939.8	800.1	12.7	19.8	340
30"	762.0	1092.2		92.1	209.6	768.4	827.1	857.3	28	47.6	997.0	857.3	12.7	19.8	390
32"	812.8	1149.4		98.4	222.3	819.2	881.1	914.4	28	50.8	1054.1	914.4	14.3	23.0	435
34"	863.6	1206.5		101.6	231.8	871.5	936.6	965.2	28	50.8	1104.9	965.2	14.3	23.0	504
36"	914.4	1270.0		104.8	241.3	922.3	990.6	1022.4	32	54.0	1168.4	1022.4	14.3	23.0	560



400 lb / sq. in.
Welding Neck Flanges
Ring Joint Type
Vorschweißflansche
mit Ringnut



1) f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
 1) f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

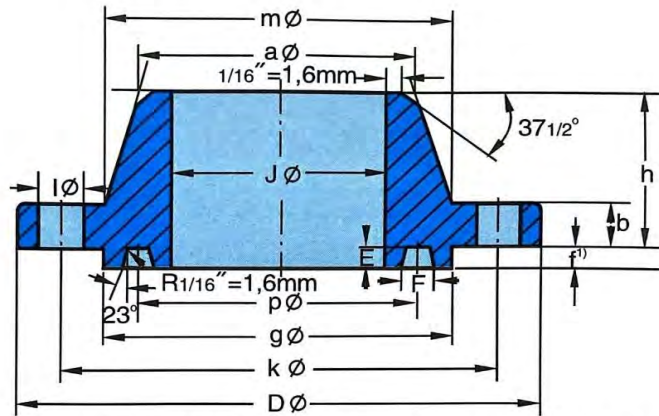
B. S. 3293



Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht	
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg
26"	660	971.6	To be specified by purchaser Vom Besteller anzugeben	88.9	193.7	668.4	727.1	809.6	28	47.6	876.3	749.3	12.7	19.8	349
28"	711	1035.1		95.3	206.4	719.2	782.7	860.4	28	50.8	939.8	800.1	12.7	19.8	409
30"	762.0	1092.2		101.6	219.1	770.0	836.6	917.6	28	54.0	997.0	857.3	12.7	19.8	465
32"	812.8	1149.4		108.0	231.8	822.3	889.0	984.3	28	54.0	1054.1	914.4	14.3	23.0	539
34"	863.6	1206.5		111.1	241.3	873.1	944.6	1035.1	28	54.0	1104.9	965.2	14.3	23.0	608
36"	914.4	1270.0		114.3	250.8	925.5	1000.1	1092.2	32	54.0	1168.4	1022.4	14.3	23.0	689



600 lb / sq. in.
Welding Neck Flanges
Ring Joint Type
Vorschweißflansche
mit Ringnut



¹) f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
 ¹) f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

B. S. 3293

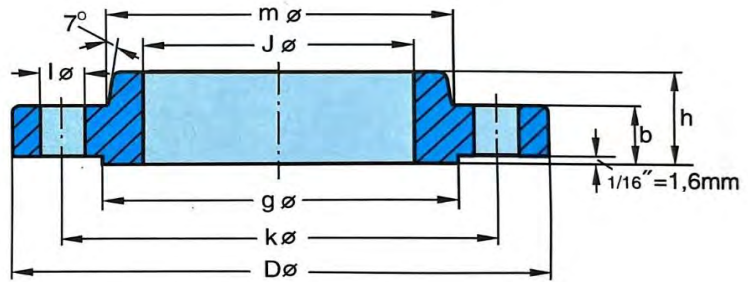


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht	
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg
26"	660	1016.0	To be specified by purchaser Vom Besteller anzugeben	108.0	222.3	671.5	747.7	809.6	28	50.8	914.4	749.3	12.7	19.8	446
28"	711	1073.2		111.1	235.0	723.9	803.3	860.4	28	54.0	965.2	800.1	12.7	19.8	518
30"	762.0	1130.3		114.3	247.7	774.7	862.0	917.6	28	54.0	1022.4	857.3	12.7	19.8	570
32"	812.8	1193.8		117.5	260.4	825.5	917.6	984.2	28	60.3	1079.5	914.4	14.3	23.0	697
34"	863.6	1244.6		120.7	269.9	877.9	973.2	1035.1	28	60.3	1130.3	965.2	14.3	23.0	735
36"	914.4	1314.5		123.8	282.6	928.7	1031.9	1092.2	28	66.7	1193.8	1022.4	14.3	23.0	800



150 lb / sq. in.

Slip-on Flanges
Überschiebflansche



B. S. 3293

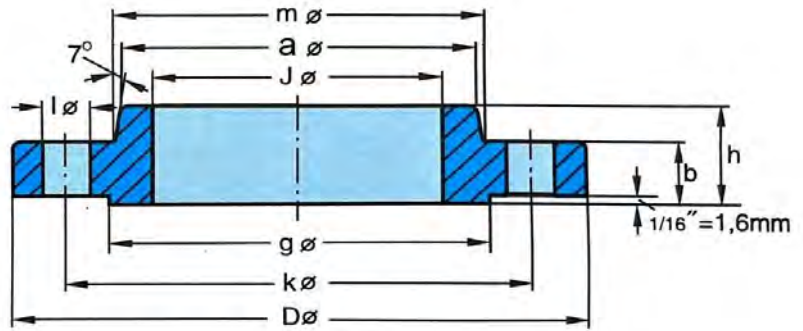


Pipe Rohr		Flange Flansch				Hub Ansatz	Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	870.0	666.8	50.8	85.7	723.9	743.0	24	34.9	806.5	107
28"	711.2	927.1	717.6	52.4	87.3	781.1	793.8	28	34.9	863.6	122
30"	762.0	984.3	768.4	54.0	88.9	831.9	857.3	28	34.9	914.4	138
32"	812.8	1060.5	819.2	57.2	92.1	889.0	908.1	28	41.3	977.9	170
34"	863.6	1111.3	870.0	58.8	93.7	939.8	958.9	32	41.3	1028.7	184
36"	914.4	1168.4	920.8	60.3	95.3	997.0	1022.4	32	41.3	1085.9	211
38"	965.2	1238.3	971.6	60.3	95.3	1060.5	1073.2	32	41.3	1149.4	249
40"	1016.0	1289.1	1022.4	63.5	98.4	1111.3	1124.0	36	41.3	1200.2	272
42"	1066.8	1346.2	1073.2	66.7	101.6	1168.4	1193.8	36	41.3	1257.3	313
44"	1117.6	1403.4	1124.0	66.7	101.6	1219.2	1244.6	40	41.3	1314.5	331
46"	1168.4	1454.2	1174.8	68.3	103.3	1270.0	1295.4	40	41.3	1365.3	349
48"	1219.2	1511.3	1225.6	69.9	104.8	1327.2	1358.9	44	41.3	1422.4	381



300 lb / sq. in.

Slip-on Flanges
 Überschiebflansche



B. S. 3293

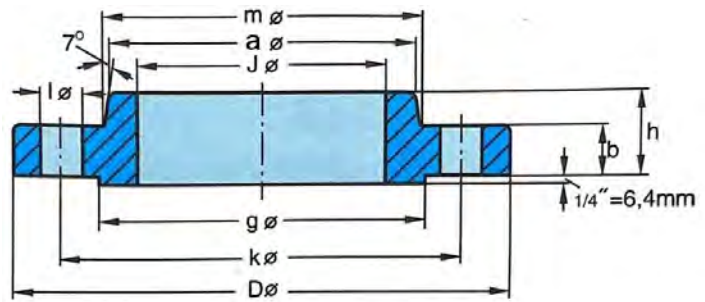


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	971.6	666.8	79.4	184.2	687.4	720.7	749.3	28	44.5	876.3	251
28"	711.2	1035.1	717.6	85.7	196.9	739.8	774.7	800.1	28	44.5	939.8	313
30"	762.0	1092.2	768.4	92.1	209.6	792.2	827.1	857.3	28	47.6	997.0	354
32"	812.8	1149.4	819.2	98.4	222.3	844.6	881.1	914.4	28	50.8	1054.1	395
34"	863.6	1206.5	870.0	101.6	231.8	896.9	936.6	965.2	28	50.8	1104.9	460
36"	914.4	1270.0	920.8	104.8	241.3	949.3	990.6	1022.4	32	54.0	1168.4	513



400 lb / sq. in.

Slip-on Flanges
Überschiebflansche



B. S. 3293

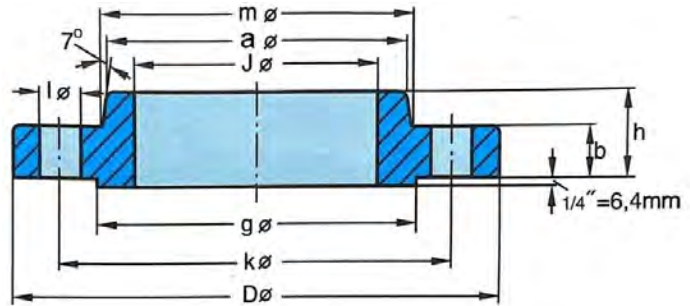


Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	971.6	666.8	88.9	193.7	693.8	727.1	749.3	28	47.6	876.3	295
28"	711.2	1035.1	717.6	95.3	206.4	746.1	782.7	800.1	28	50.8	939.8	354
30"	762.0	1092.2	768.4	101.6	219.1	800.1	836.6	857.3	28	54.0	997.0	408
32"	812.8	1149.4	819.2	108.0	231.8	852.5	889.0	914.4	28	54.0	1054.1	465
34"	863.6	1206.5	870.0	111.1	241.3	904.9	944.6	965.2	28	54.0	1104.9	522
36"	914.4	1270.0	920.8	114.3	250.8	958.8	1000.1	1022.4	32	54.0	1168.4	601



600 lb / sq. in.

Slip-on Flanges
 Überschiebflansche



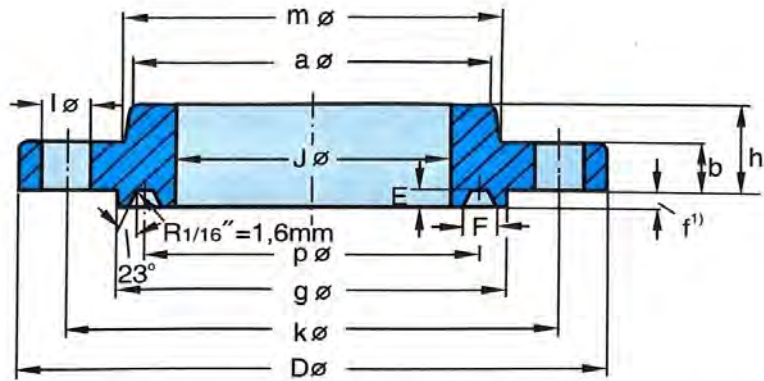
B. S. 3293



Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	Kilo
26"	660.4	1016.0	666.8	108.0	223.3	706.5	747.7	749.3	28	50.8	914.4	408
28"	711.2	1073.2	717.6	111.1	235.0	760.4	803.3	800.1	28	54.0	965.2	472
30"	762.0	1130.3	768.3	114.3	247.6	814.4	862.0	857.2	28	54.0	1022.3	526
32"	812.8	1193.8	819.2	117.5	260.4	868.4	917.6	914.4	28	60.3	1079.5	605
34"	863.6	1244.6	870.0	120.7	269.9	922.4	973.2	965.2	28	60.3	1130.3	652
36"	914.4	1314.5	920.8	123.8	282.6	976.3	1031.9	1022.4	28	66.7	1193.8	744



300 lb / sq. in.
Slip-on Flanges,
Ring Joint Type
Überschiebflansche
mit Ringnut



¹⁾ f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
¹⁾ f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

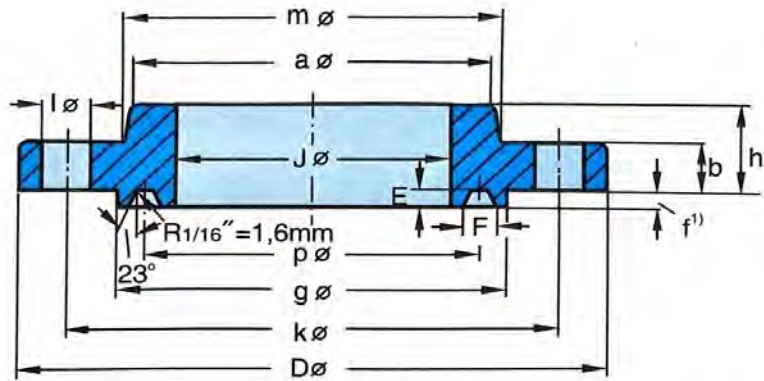
B. S. 3293



Pipe Rohr		Flange Flansch					Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg	
26"	660	971.6	666.8	79.4	184.2	687.4	720.7	809.6	28	44.5	876.3	749.3	12.7	19.8	270	
28"	711	1035.1	717.6	85.7	196.9	739.8	774.7	860.4	28	44.5	939.8	800.1	12.7	19.8	333	
30"	762.0	1092.2	768.4	92.1	209.6	792.2	827.1	917.6	28	47.6	997.0	857.3	12.7	19.8	376	
32"	812.8	1149.4	819.2	98.4	222.3	844.6	881.1	984.3	28	50.8	1054.1	914.4	14.3	23.0	425	
34"	863.6	1206.5	870.0	101.6	231.8	896.9	936.6	1035.1	28	50.8	1104.9	965.2	14.3	23.0	492	
36"	914.4	1270.0	920.8	104.8	241.3	949.3	990.6	1092.2	32	54.0	1168.4	1022.4	14.3	23.0	548	



400 lb / sq. in.
Slip-on Flanges,
Ring Joint Type
Überschiebflansche
mit Ringnut



¹) f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
 ¹) f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

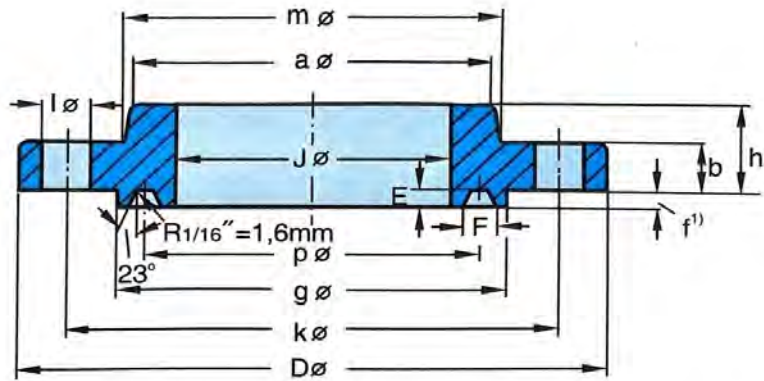
B. S. 3293



Pipe Rohr		Flange Flansch					Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg	
26"	660	971.6	666.8	88.9	193.7	693.7	727.1	809.6	28	47.6	876.3	749.3	12.7	19.8	304	
28"	711	1035.1	717.6	95.3	206.4	746.1	782.6	860.4	28	50.8	939.8	800.1	12.7	19.8	364	
30"	762.0	1092.2	768.4	101.6	219.1	800.1	836.6	917.6	28	54.0	997.0	857.3	12.7	19.8	419	
32"	812.8	1149.4	819.2	108	231.8	852.5	889.0	984.3	28	54.0	1054.1	914.4	14.3	23.0	482	
34"	863.6	1206.5	870.0	111.1	241.3	904.9	944.6	1035.0	28	54.0	1104.9	965.2	14.3	23.0	540	
36"	914.4	1270.0	920.8	114.3	250.8	958.9	1000.1	1092.2	32	54.0	1168.4	1022.4	14.3	23.0	621	



600 lb / sq. in.
Slip-on Flanges,
Ring Joint Type
Überschiebflansche
mit Ringnut



1) f=Height of raised portion and depth of groove dimensions "E" but not covered by tolerances for "E".
 1) f=Höhe der Dichtleiste und gleichzeitig Tiefe der Nutabmessung "E"; es gelten jedoch nicht die Toleranzen für "E".

B. S. 3293



Pipe Rohr		Flange Flansch				Hub Ansatz		Raised Face Leiste	Drilling Template Schraubenlöcher			Ring Joint Ringnut			Approx. Weight Gewicht
Nom. Size DN	OD mm	D mm	J mm	b mm	h mm	a mm	m mm	g mm	Num- ber	l mm	k mm	p mm	E mm	F mm	kg
26"	660	1016.0	666.8	108.0	222.3	706.4	747.7	809.6	28	50.8	914.4	749.3	12.7	19.8	417
28"	711	1073.2	717.6	111.1	235.0	760.4	803.3	860.4	28	54.0	965.2	800.1	12.7	19.8	482
30"	762.0	1130.3	768.4	114.3	247.7	814.4	862.0	917.6	28	54.0	1022.4	857.3	12.7	19.8	537
32"	812.8	1193.8	819.2	117.5	260.4	868.4	917.6	984.3	28	60.3	1079.5	914.4	14.3	23.0	622
34"	863.6	1244.6	870.0	120.7	269.9	922.3	973.2	1035.0	28	60.3	1130.3	965.2	14.3	23.0	670
36"	914.4	1314.5	920.8	123.8	282.6	976.3	1031.9	1092.2	28	66.7	1193.8	1022.4	14.3	23.0	764



ANSI B 16.47 Series A



Welding Neck Flanges *Vorschweißflansche*

Click to

150 lb

300 lb

400 lb

600 lb

900 lb

Click



in every page at the top right of the table to back to this page.



ANSI B 16.47 Series A

Welding Neck Flanges acc. To ANSI B 16.47 Series A

Nominal Sizes from 26" to 60"

MSS SP-44 is a Standard Practice for steel pipe line flanges, developed and approved by the "Manufacturers' Standardization Society of the Valve and Fittings industry inc."

127 Park Street, N.E., Vienna, Virginia 22180 USA

General Survey

ANSI B 16.47 Reihe A

Vorschweißflansche nach ANSI B 16.47 Reihe A

Nennweiten von 26" bis 60"

MSS SP-44 ist eine Norm für Flansche in Stahlrohrleitungen, erstellt und geprüft von der Hersteller-Normungsgemeinschaft der Armaturen- und Fittingsindustrie.

127 Park Street, N.E., Vienna, Virginia 22180 USA

Allgemeiner Überblick



Nominal Pressure lb / sq. in.	150	300	400	600	900
Nennndruck kp / cm ²	10.6	21.1	28.1	42.2	63.3
Nennndruck N / cm ²	104	207	276	414	621
Type of Flange Flanschenart	from 26" to max. Nominal Sizes von 26" bis max. Nennweiten				
Welding Neck Flanges Vorschweißflansche	60"	60"	60"	60"	48"
Welding Neck Flanges Ring Joint Type Vorschweißflansche mit Ringnut	-	36"	36"	36"	36"
Materials The steel used shall be suitable for field welding to other flanges, fittings, or pipe manufactured under ASTM specifications A105, A53, A106, A381, A694, A707, or API Standards 5L and 5LX, C _{max.} 0.35%, C. E. _{max.} 0.50%.	Material Der Stahl sollte zum Verschweißen mit anderen Flanschen, Fittins und Rohren der ASTM - Normen A105, A53, A 106, A381, A694, a707 oder API - Norm 5L und 5LX geeignet sein. C _{max.} 0.35%, C. E. _{max.} 0.50%.				
$C. E. = C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$					

Dimensional Tolerances

Outside diameter, 0.06 in. (1.6mm) raised face:
 Sizes NPS 26 and larger ± 0.08 in. (2 mm).

Outside diameter, 0.25 in. (6.4mm) raised face:
 Sizes NPS 26 and larger ± 0.04 in. (1 mm).

Flange Thickness

To 1.0 in. (25.4 mm): + 0.12 in. (3.0 mm), - 0
 1.0 in (25.4 mm) - 2.0 in. (50.8 mm): +0.19 in. (4.8 mm), -0
 2.0 in. (50.8 mm) - 3.0 in. (76.2 mm): + 0.31 in. (7.9 mm), -0
 Over 3.0 in. (76.2 mm): + 0.38 in. (9.7 mm), -0

Nominal outside diameter of welding ends of welding neck flanges

Sizes NPS 26 and larger + 0.21 in. (5.4 mm), - 0.06 in. (1.6 mm)

Nominal inside diameter of welding ends of welding neck flanges

Sizes NPS 26 and larger + 0.12 in. (3.0 mm), - 0.06 in. (1.6 mm)

Bolt circle diameter, ± 0.06 in. (1.6mm)

Center-to-center of adjacent bolt holes, ± 0.03 in. (0.8 mm)

Eccentricity between bolt circle diameter and machined facing diameters

Sizes NPS 26 and larger 0.06 in. (1.6 mm)

Maßtoleranzen

Außendurchmesser bei 0.06 in. (1.6 mm) Dichtleistenhöhe 26" und größer ± 0.08 in. (2 mm)

Außendurchmesser bei 0.25 in. (6.4 mm) Dichtleistenhöhe 26" und größer ± 0.04 in. (1 mm)

Blattstärke

Bis 1,0 in. (25.4 mm): + 0.12 in. (3.0 mm), - 0
 1.0 in (25.4 mm) - 2.0 in. (50.8 mm): +0.19 in. (4.8 mm), -0
 2.0 in. (50.8 mm) - 3.0 in. (76.2 mm): + 0.31 in. (7.9 mm), -0
 Über 3.0 in. (76.2 mm): + 0.38 in. (9.7 mm), -0

Ansatzdurchmesser an der Schweißkante

26" und größer + 0.21 in. (5.4 mm), - 0.06 in. (1.6 mm)

Innendurchmesser an der Schweißkante

26" und größer + 0.12 in. (3.0 mm), - 0.06 in. (1.6 mm)

lochkreisdurchmesser ± 0.06 in. (1.6 mm)

Mittlenabstand angrenzender Schraubenlöcher ± 0.03 in. (0.8 mm)

Max. Exzentrizität des Lochkreisdurchmessers zu dem bearbeiteten Durchmesser

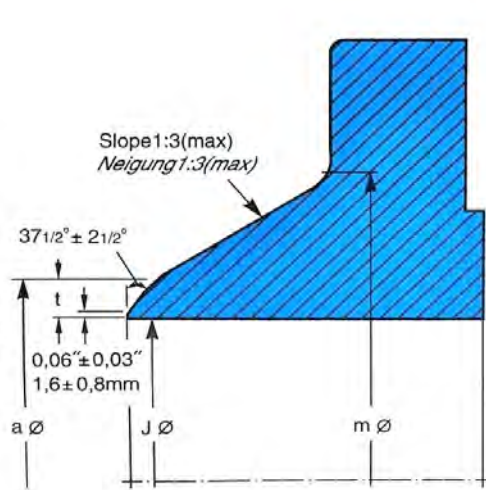
26" und größer 0.06 in. (1.6 mm)



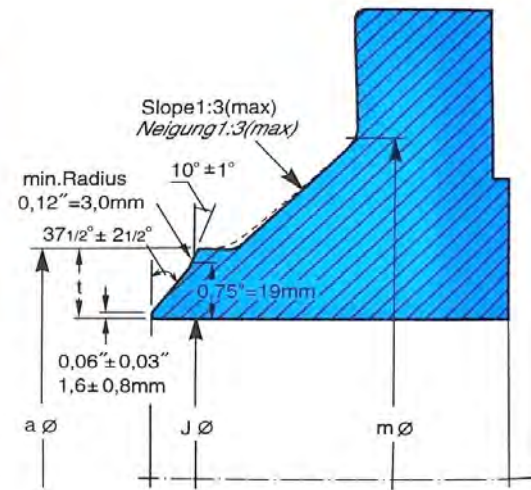
Welding Ends (Welding Neck Flanges) Anschweißenden (Vorschweißflansche)



a=Outside diameter of hub(top)
 Außendurchmesser am Anschweißende
 t=Nominal pipe wall thickness
 Rohr-Nennwanddicke
 J=Inside diameter
 Innendurchmesser
 m=Diameter of hub
 Ansatzdurchmesser



Bevel for Wall Thicknesses (t) 0.19" to 0.88" inclusive
 Abschrägung für Wanddicken (t) 4,8 mm bis 22,2 mm einschließlich



Bevel for Wall Thicknesses (t) greater than 0.88 "
 Abschrägung für Wanddicken (t) größer als 22,2 mm

Marking

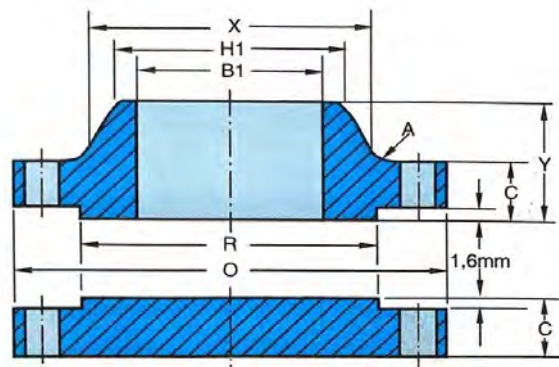
Flanges shall be marked in accordance with the rules established in MSS Standard Practice Sp-25, Standard Marking System for Valves, Fittings, Flanges, and Unions. In addition, the letters, "PL" shall precede the grade symbol marking.

Kennzeichnung

Die Flansche sind nach den Bestimmungen der MSS SP-25, Normmarkierung für Armaturen, Fittings, Flansche und Anschlußstücke, zu kennzeichnen. Zusätzlich sind die Buchstaben "PL" der Materialbezeichnung voranzusetzen.



**150 lb / sq. in.
 Welding Neck Flanges
 Vorschweißflansche**

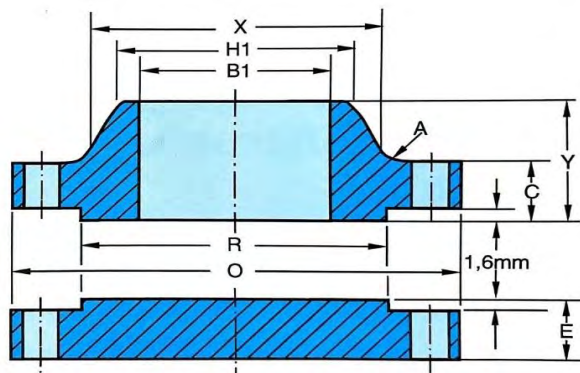


ANSI B 16.47 Series A

Pipe Rohr		Flange Dimensions			Hub Dimen.	Drilling			Raised Face Dia	Fillet Radius (min)	Approx. Weight Gewicht	
Nom. Size DN	OD	OD of Flange O	Thick of Flange C	Length Thru Hub Y	OD Large End Hub X	No. of Bolt Holes	Dia. Of Bolt Holes	Dia of Bolt Circle	R	A	Welding Neck kg	Blind kg
12"	323.8	482.6	31.8	114.3	365.3	12	25.4	431.8	381.0	9.7	37.0	43.00
14"	355.6	533.4	35.1	127.0	400.1	12	28.4	476.3	412.8	9.7	48.0	58.00
16"	406.4	596.9	36.6	127.0	457.2	16	28.4	539.8	469.9	9.7	61.0	76.00
18"	457.2	635.0	39.6	139.7	505.0	16	31.8	577.9	533.4	9.7	68.0	94.00
20"	508.0	698.5	42.9	144.5	558.8	20	31.8	635.0	584.2	9.7	85.0	122.00
22"	558.8	749.3	46.0	149.4	609.6	20	35.1	692.2	641.4	9.7	99.0	154.00
24"	609.6	812.8	47.8	152.4	663.4	20	35.1	749.3	692.2	9.7	115.0	185.00
26"	660.4	870.0	68.3	120.7	676.1	24	35.1	806.5	749.3	9.7	147.0	306.00
28"	711.2	927.1	71.4	125.5	726.9	28	35.1	863.6	800.1	11.2	163.0	363.00
30"	762.0	984.3	74.7	136.7	781.1	28	35.1	914.4	857.3	11.2	190.0	430.00
32"	812.8	1060.5	80.8	144.5	831.9	28	41.1	977.9	914.4	11.2	238.0	537.00
34"	863.6	1111.3	82.6	149.4	882.7	32	41.1	1028.7	965.2	12.7	255.0	600.00
36"	914.4	1168.4	90.4	157.2	933.5	32	41.1	1085.9	1022.4	12.7	302.0	730.00
38"	965.2	1238.3	87.4	157.2	990.6	32	41.1	1149.4	1073.2	12.7	342.0	792.00
40"	1016.0	1289.1	90.4	163.6	1041.4	36	41.1	1200.2	1124.0	12.7	366.0	893.00
42"	1066.8	1346.2	96.8	171.5	1092.2	36	41.1	1257.3	1193.8	12.7	419.0	1044.00
44"	1117.6	1403.4	101.6	177.8	1143.0	40	41.1	1314.5	1244.6	12.7	459.0	1190.00
46"	1168.4	1454.2	103.1	185.7	1196.8	40	41.1	1365.3	1295.4	12.7	500.0	1299.00
48"	1219.2	1511.3	108.0	191.3	1247.6	44	41.1	1422.4	1358.9	12.7	552.0	1470.00
50"	1270.0	1568.5	111.3	203.2	1301.8	44	47.8	1479.6	1409.7	12.7	592.0	1615.00
52"	1320.8	1625.6	115.8	209.6	1352.6	44	47.8	1536.7	1460.5	12.7	660.0	1817.00
54"	1371.6	1682.8	120.7	215.9	1403.4	44	47.8	1593.9	1511.3	12.7	726.0	2031.00
56"	1422.4	1746.3	124.0	228.6	1457.5	48	47.8	1651.0	1574.8	12.7	805.0	2244.00
58"	1473.2	1803.4	128.5	235.0	1508.3	48	47.8	1708.2	1625.6	12.7	884.0	2491.00
60"	1524.0	1854.2	131.8	239.8	1559.1	52	47.8	1759.0	1676.4	12.7	930.0	2697.00



**300 lb / sq. in.
 Welding Neck Flanges
 Vorschweißflansche**

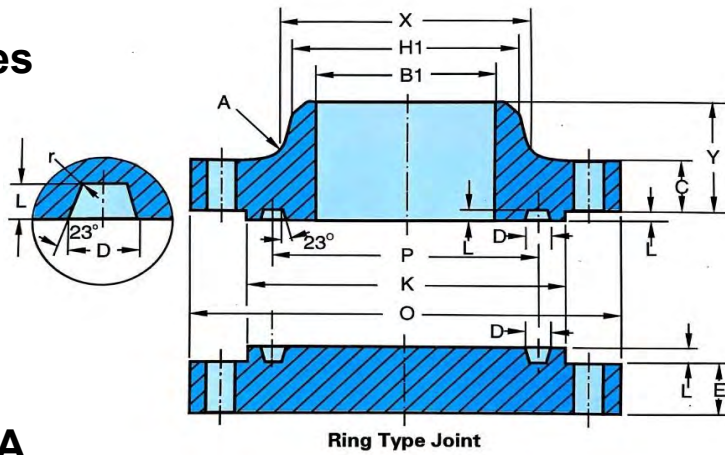


ANSI B 16.47 Series A

Pipe Rohr		Flange Dimensions				Hub Dimen.	Drilling			Approx. Weight Gewicht	
Nom. Size DN		OD of Flange	Thick of Flange		Length Thru Hub	OD Large End Hub	No. of Bolt Holes	Dia. Of Bolt Holes	Dia of Bolt Circle	Welding Neck	Blind
in.	OD	O	C	E	Y	X				kg	kg
12"	323.8	520.7	50.8	50.8	130.0	374.7	16	31.8	450.9	62	79
14"	355.6	584.2	53.8	53.8	142.7	425.5	20	31.8	514.4	86	105
16"	406.4	647.7	57.2	57.2	146.1	482.6	20	35.1	571.5	106	137
18"	457.2	711.2	60.5	60.5	158.8	533.4	24	35.1	628.7	131	175
20"	508.0	774.7	63.5	63.5	162.1	587.2	24	35.1	685.8	158	221
22"	558.8	838.2	66.5	66.5	165.1	641.4	24	41.1	743.0	194	280
24"	609.6	914.4	69.9	69.9	168.1	701.5	24	41.1	812.8	230	339
26"	660.4	971.6	79.2	84.1	184.2	720.9	28	44.5	876.3	275	460
28"	711.2	1035.1	85.9	90.4	196.9	774.7	28	44.5	939.8	340	566
30"	762.0	1092.2	91.9	95.3	209.6	827.0	28	47.8	997.0	389	663
32"	812.8	1149.4	98.6	100.1	222.3	881.1	28	50.8	1054.1	438	770
34"	863.6	1206.5	101.6	104.6	231.6	936.8	28	50.8	1104.9	498	894
36"	914.4	1270.0	104.6	111.3	241.3	990.6	32	53.8	1168.4	563	1040
38"	965.2	1168.4	108.0	108.0	180.8	993.6	32	41.1	1092.2	307	872
40"	1016.0	1238.3	114.3	114.3	193.5	1047.8	32	44.5	1155.7	372	1035
42"	1066.8	1289.1	119.1	119.1	200.2	1098.6	32	44.5	1206.5	409	1173
44"	1117.6	1352.6	124.0	124.0	206.2	1149.4	32	47.8	1263.7	464	1340
46"	1168.4	1416.1	128.5	128.5	215.9	1203.5	28	50.8	1320.8	544	1600
48"	1219.2	1466.9	133.4	133.4	222.9	1254.3	32	50.8	1371.6	567	1700
50"	1270.0	1530.4	139.7	139.7	231.6	1305.1	32	53.8	1428.8	643	1936
52"	1320.8	1581.2	144.5	144.5	238.3	1355.9	32	53.8	1479.6	694	2143
54"	1371.6	1657.4	152.4	152.4	252.5	1409.7	28	60.5	1549.4	832	2486
56"	1422.4	1708.2	153.9	153.9	260.4	1463.5	28	60.5	1600.2	882	2674
58"	1473.2	1759.0	158.8	158.8	266.7	1514.3	32	60.5	1651.0	928	2913
60"	1524.0	1809.8	163.6	163.6	273.1	1565.1	32	60.5	1701.8	989	3184



300 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche



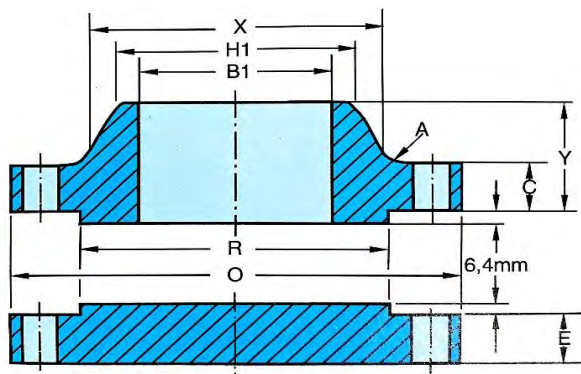
ANSI B 16.47 Series A



Pipe Rohr		Raised Face Dia.	Fillet Radius (min)	Facing Dimensions					Groove Fillet Radius
				Ring Type Joint					
				Facing Dia.	Depth of Groove	Pitch Dia.	Width of Groove	Ring No.	
Nom. Size DN	OD	R	A	K	L	P	D	A	r
12"	323.8	381.0	9.7	412.8	7.9	381.0	11.9	R57	0.8
14"	355.6	412.8	9.7	457.2	7.9	419.1	11.9	R61	0.8
16"	406.4	469.9	9.7	508.0	7.9	469.9	11.9	R65	0.8
18"	457.2	533.4	9.7	574.5	7.9	533.4	11.9	R69	0.8
20"	508.0	584.2	9.7	635.0	9.5	584.2	13.5	R73	1.5
22"	558.8	641.4	9.7	685.8	11.1	635.0	15.1	R81	1.5
24"	609.6	692.2	9.7	749.3	11.1	692.2	16.7	R77	1.5
26"	660.4	749.3	9.7	809.8	12.7	749.3	19.8	R93	1.5
28"	711.2	800.1	11.2	860.6	12.7	800.1	19.8	R94	1.5
30"	762.0	857.3	11.2	917.4	12.7	857.3	19.8	R95	1.5
32"	812.8	914.4	11.2	984.3	14.3	914.4	23.0	R96	1.5
34"	863.6	965.2	12.7	1035.1	14.3	965.2	23.0	R97	1.5
36"	914.4	1022.4	12.7	1092.2	14.3	1022.4	23.0	R98	1.5
38"	965.2	1028.7	12.7	—	—	—	—	—	—
40"	1016.0	1085.9	12.7	—	—	—	—	—	—
42"	1066.8	1136.7	12.7	—	—	—	—	—	—
44"	1117.6	1193.8	12.7	—	—	—	—	—	—
46"	1168.4	1244.6	12.7	—	—	—	—	—	—
48"	1219.2	1301.8	12.7	—	—	—	—	—	—
50"	1270.0	1358.9	12.7	—	—	—	—	—	—
52"	1320.8	1409.7	12.7	—	—	—	—	—	—
54"	1371.6	1466.9	12.7	—	—	—	—	—	—
56"	1422.4	1517.7	12.7	—	—	—	—	—	—
58"	1473.2	1574.8	12.7	—	—	—	—	—	—
60"	1524.0	1625.6	12.7	—	—	—	—	—	—



**400 lb / sq. in.
 Welding Neck Flanges
 Vorschweißflansche**

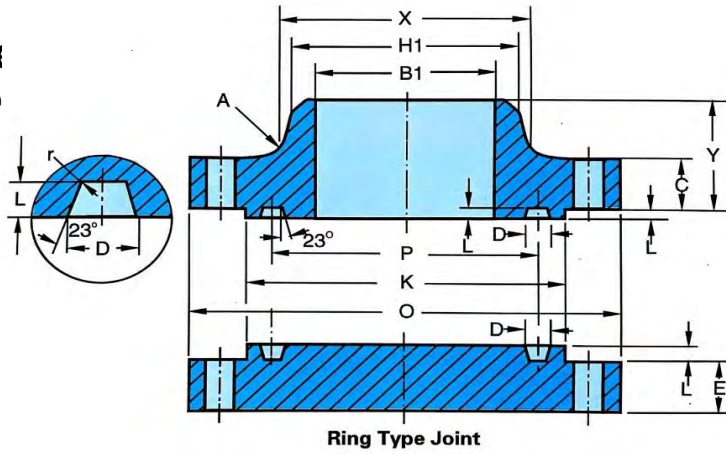


ANSI B 16.47 Series A

Pipe Rohr		Flange Dimensions				Hub Dimen.	Drilling			Approx. Weight Gewicht	
Nom. Size DN	OD	OD of Flange	Thick of Flange		Length Thru Hub	OD Large End Hub	No. of Bolt Holes	Dia. Of Bolt Holes	Dia of Bolt Circle	Welding Neck	Blind
			Weld Neck	Blind							
in.	OD	O	C	E	Y	X				kg	kg
12"	323.8	520.7	57.2	57.2	136.7	374.7	16	35.1	450.9	70	94
14"	355.6	584.2	60.5	60.5	149.4	425.5	20	35.1	514.4	96	124
16"	406.4	647.7	63.5	63.5	152.4	482.6	20	38.1	571.5	118	162
18"	457.2	711.2	66.5	66.5	165.1	533.4	24	38.1	628.7	145	205
20"	508.0	774.7	69.9	69.9	168.1	587.2	24	41.1	685.8	173	254
22"	558.8	838.2	73.2	73.2	171.5	641.4	24	44.5	743.0	211	320
24"	609.6	914.4	76.2	76.2	174.8	701.5	24	47.8	812.8	249	386
26"	660.4	971.6	88.9	98.6	193.5	726.9	28	47.8	876.3	304	534
28"	711.2	1035.1	95.3	104.6	206.2	782.6	28	50.8	939.8	362	645
30"	762.0	1092.2	101.6	111.3	218.9	836.7	28	53.8	997.0	415	760
32"	812.8	1149.4	108.0	115.8	231.6	889.0	28	53.8	1054.1	478	885
34"	863.6	1206.5	111.3	122.2	241.3	944.6	28	53.8	1104.9	538	1035
36"	914.4	1270.0	114.3	128.5	251.0	1000.3	32	53.8	1168.4	604	1205
38"	965.2	1206.5	124.0	124.0	206.2	1003.3	32	47.8	1117.6	406	1055
40"	1016.0	1270.0	130.0	130.0	215.9	1054.1	32	50.8	1174.8	473	1229
42"	1066.8	1320.8	133.4	133.4	223.8	1107.9	32	50.8	1225.6	513	1366
44"	1117.6	1384.3	139.7	139.7	233.4	1158.7	32	53.8	1282.7	586	1569
46"	1168.4	1441.5	146.1	146.1	244.3	1212.9	36	53.8	1339.9	648	1776
48"	1219.2	1511.3	152.4	152.4	256.0	1267.0	28	60.5	1403.4	768	2043
50"	1270.0	1568.5	157.2	158.8	268.2	1320.8	32	60.5	1460.5	832	2294
52"	1320.8	1619.3	162.1	163.6	276.4	1371.6	32	60.5	1511.3	897	2500
54"	1371.6	1701.8	169.9	171.5	289.1	1425.4	28	66.5	1581.2	1086	2900
56"	1422.4	1752.6	174.8	176.3	298.5	1479.6	32	66.5	1632.0	1139	3174
58"	1473.2	1803.4	177.8	180.8	306.3	1530.4	32	66.5	1682.8	1208	3462
60"	1524.0	1886.0	185.7	189.0	319.0	1584.5	32	73.2	1752.6	1408	3940



**400 lb / sq. in.
 Welding Neck Flange
 Vorschweißflansche**



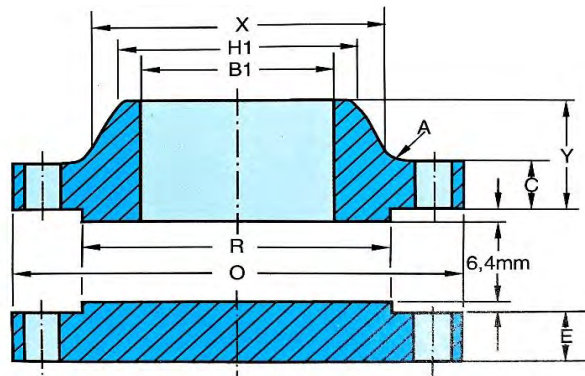
ANSI B 16.47 Series



Pipe Rohr		Raised Face Dia.	Fillet Radius (min)	Facing Dimensions					Groove Fillet Radius
				Ring Type Joint					
Nom. Size DN	OD	R	A	Facing Dia. K	Depth of Groove L	Pitch Dia. P	Width of Groove D	Ring No. A	r
12"	323.8	381.0	11.2	412.8	7.9	381.0	11.9	R57	0.8
14"	355.6	412.8	11.2	457.2	7.9	419.1	11.9	R61	0.8
16"	406.4	469.9	11.2	508.0	7.9	469.9	11.9	R65	0.8
18"	457.2	533.4	11.2	574.5	7.9	533.4	11.9	R69	0.8
20"	508.0	584.2	11.2	635.0	9.5	584.2	13.5	R73	1.5
22"	558.8	641.4	11.2	641.4	11.1	635.0	15.1	R81	1.5
24"	609.6	692.2	11.2	749.3	11.1	692.2	16.7	R77	1.5
26"	660.4	749.3	11.2	809.8	12.7	749.3	19.8	R93	1.5
28"	711.2	800.1	12.7	860.6	12.7	800.1	19.8	R94	1.5
30"	762.0	857.3	12.7	917.4	12.7	857.3	19.8	R95	1.5
32"	812.8	914.4	12.7	984.3	14.3	914.4	23.0	R96	1.5
34"	863.6	965.2	14.2	1035.1	14.3	965.2	23.0	R97	1.5
36"	914.4	1022.4	14.2	1092.2	14.3	1022.4	23.0	R98	1.5
38"	965.2	1035.1	14.2	—	—	—	—	—	—
40"	1016.0	1092.2	14.2	—	—	—	—	—	—
42"	1066.8	1143.0	14.2	—	—	—	—	—	—
44"	1117.6	1200.2	14.2	—	—	—	—	—	—
46"	1168.4	1257.3	14.2	—	—	—	—	—	—
48"	1219.2	1308.1	14.2	—	—	—	—	—	—
50"	1270.0	1361.9	14.2	—	—	—	—	—	—
52"	1320.8	1412.7	14.2	—	—	—	—	—	—
54"	1371.6	1470.2	14.2	—	—	—	—	—	—
56"	1422.4	1527.0	14.2	—	—	—	—	—	—
58"	1473.2	1577.8	14.2	—	—	—	—	—	—
60"	1524.0	1635.3	14.2	—	—	—	—	—	—



**600 lb / sq. in.
 Welding Neck Flanges
 Vorschweißflansche**



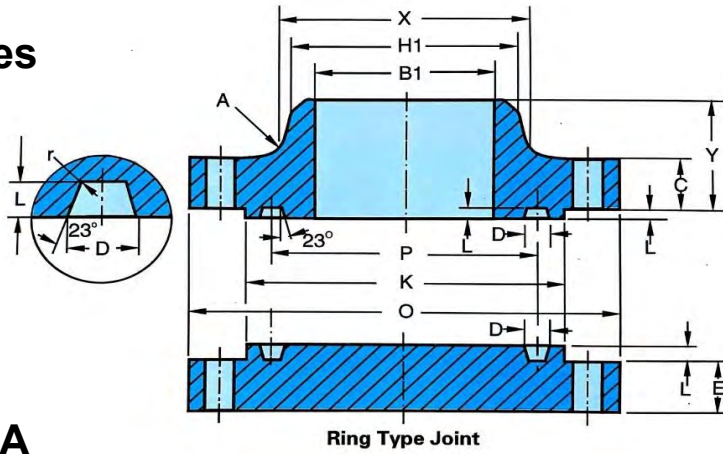
ANSI B 16.47 Series A



Pipe Rohr		Flange Dimensions				Hub Dimen.	Drilling			Approx. Weight Gewicht	
Nom. Size DN		OD of Flange	Thick of Flange		Length Thru Hub	OD Large End Hub	No. of Bolt Holes	Dia. Of Bolt Holes	Dia of Bolt Circle	Welding Neck	Blind
in.	OD		Weld Neck	Blind							
12"	323.8	558.8	66.5	66.5	155.4	400.1	20	35.1	489.0	103	124
14"	355.6	603.3	69.9	69.9	165.1	431.8	20	38.1	527.1	122	151
16"	406.4	685.8	76.2	76.2	177.8	495.3	20	41.1	603.3	170	214
18"	457.2	743.0	82.6	82.6	184.2	546.1	20	44.5	654.1	204	272
20"	508.0	812.8	88.9	88.9	190.5	609.6	24	44.5	723.9	254	349
22"	558.8	870.0	95.3	95.3	196.9	666.8	24	47.8	777.7	306	440
24"	609.6	939.8	101.6	101.6	203.2	717.6	24	50.8	838.2	358	533
26"	660.4	1016.0	108.0	125.5	222.3	747.8	28	50.8	914.4	427	740
28"	711.2	1073.2	111.3	131.8	235.0	803.1	28	53.8	965.2	479	869
30"	762.0	1130.3	114.3	139.7	247.7	862.1	28	53.8	1022.4	545	1030
32"	812.8	1193.8	117.3	147.6	260.4	917.4	28	60.5	1079.5	610	1204
34"	863.6	1244.6	120.7	153.9	269.7	973.1	28	60.5	1130.3	666	1371
36"	914.4	1314.5	124.0	162.1	282.4	1031.7	28	66.5	1193.8	755	1600
38"	965.2	1270.0	152.4	155.4	254.0	1022.4	28	60.5	1162.1	640	1447
40"	1016.0	1320.8	158.8	162.1	263.7	1073.2	32	60.5	1212.9	683	1620
42"	1066.8	1403.4	168.1	171.5	279.4	1127.3	28	66.5	1282.7	754	1948
44"	1117.6	1454.2	173.0	177.8	289.1	1181.1	32	66.5	1333.5	903	2100
46"	1168.4	1511.3	179.3	185.7	300.0	1234.9	32	66.5	1390.7	1054	2450
48"	1219.2	1593.9	189.0	195.3	314.7	1289.1	32	73.2	1460.5	1200	2850
50"	1270.0	1670.1	196.9	203.2	328.7	1343.2	28	79.2	1524.0	1363	3233
52"	1320.8	1720.9	203.2	209.6	336.6	1394.0	32	79.2	1574.8	1466	3570
54"	1371.6	1778.0	209.6	217.4	349.3	1447.8	32	79.2	1632.0	1605	3968
56"	1422.4	1854.2	217.4	225.6	362.0	1501.6	32	85.9	1695.5	1709	4450
58"	1473.2	1905.0	222.3	231.6	369.8	1552.4	32	85.9	1746.3	1916	4850
60"	1524.0	1993.9	233.4	242.8	388.9	1609.9	28	91.9	1822.5	2300	5588



600 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche

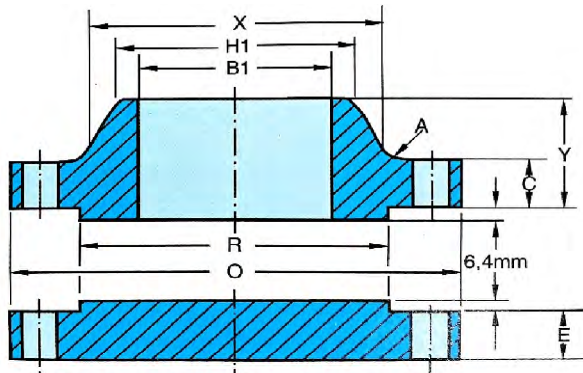


ANSI B 16.47 Series A

Pipe <i>Rohr</i>		Raised Face Dia.	Fillet Radius (min)	Facing Dimensions					Groove Fillet Radius
				Ring Type Joint					
Nom. Size <i>DN</i>	<i>OD</i>	<i>R</i>	<i>A</i>	Facing Dia. <i>K</i>	Depth of Groove <i>L</i>	Pitch Dia. <i>P</i>	Width of Groove <i>D</i>	Ring No. <i>A</i>	<i>r</i>
12"	323.8	381.0	11.2	412.8	7.9	381.0	11.9	R57	0.8
14"	355.6	412.8	11.2	457.2	7.9	419.1	11.9	R61	0.8
16"	406.4	469.9	11.2	508.0	7.9	469.9	11.9	R65	0.8
18"	457.2	533.4	11.2	574.5	7.9	533.4	11.9	R69	0.8
20"	508.0	584.2	11.2	635.0	9.5	584.2	13.5	R73	1.5
22"	558.8	641.4	11.2	641.4	11.1	635.0	15.1	R81	1.5
24"	609.6	692.2	11.2	749.3	11.1	692.2	16.7	R77	1.5
26"	660.4	749.3	12.7	809.8	12.7	749.3	19.8	R93	1.5
28"	711.2	800.1	12.7	860.6	12.7	800.1	19.8	R94	1.5
30"	762.0	857.3	12.7	917.4	12.7	857.3	19.8	R95	1.5
32"	812.8	914.4	12.7	984.3	14.3	914.4	23.0	R96	1.5
34"	863.6	965.2	14.2	1035.1	14.3	965.2	23.0	R97	1.5
36"	914.4	1022.4	14.2	1092.2	14.3	1022.4	23.0	R98	1.5
38"	965.2	1054.1	14.2	—	—	—	—	—	—
40"	1016.0	1111.3	14.2	—	—	—	—	—	—
42"	1066.8	1168.4	14.2	—	—	—	—	—	—
44"	1117.6	1225.6	14.2	—	—	—	—	—	—
46"	1168.4	1276.4	14.2	—	—	—	—	—	—
48"	1219.2	1333.5	14.2	—	—	—	—	—	—
50"	1270.0	1384.3	14.2	—	—	—	—	—	—
52"	1320.8	1435.1	14.2	—	—	—	—	—	—
54"	1371.6	1492.3	14.2	—	—	—	—	—	—
56"	1422.4	1543.1	15.7	—	—	—	—	—	—
58"	1473.2	1600.2	15.7	—	—	—	—	—	—
60"	1524.0	1657.4	17.5	—	—	—	—	—	—



**900 lb / sq. in.
 Welding Neck Flanges
 Vorschweißflansche**



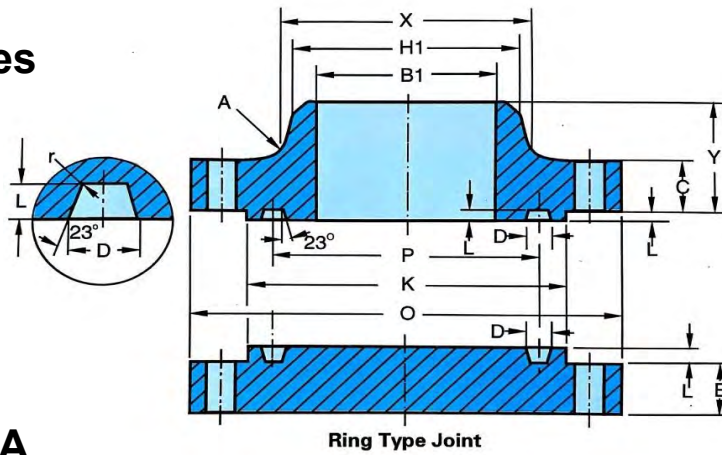
ANSI B 16.47 Series A



Pipe Rohr		Flange Dimensions				Hub Dimen.	Drilling			Approx. Weight Gewicht	
Nom. Size DN		OD of Flange	Thick of Flange		Length Thru Hub	OD Large End Hub	No. of Bolt Holes	Dia. Of Bolt Holes	Dia of Bolt Circle	Welding Neck	Blind
in.	OD		Weld Neck	Blind							
12"	323.8	609.6	79.2	79.2	200.2	419.1	20	38.1	533.4	157	173
14"	355.6	641.4	85.9	85.9	212.9	450.9	20	41.1	558.8	180	206
16"	406.4	704.9	88.9	88.9	215.9	508.0	20	44.5	616.0	217	259
18"	457.2	787.4	101.6	101.6	228.6	565.2	20	50.8	685.8	292	367
20"	508.0	857.3	108.0	108.0	247.7	622.3	20	53.8	749.3	362	463
24"	609.6	1041.4	139.7	139.7	292.1	749.3	20	66.5	901.7	665	876
26"	660.4	1085.9	139.7	160.3	285.8	774.7	20	73.2	952.5	692	1060
28"	711.2	1168.4	142.7	171.5	298.5	831.9	20	79.2	1022.4	822	1306
30"	762.0	1231.9	149.4	182.4	311.2	889.0	20	79.2	1085.9	962	1565
32"	812.8	1314.5	158.8	193.5	330.2	946.2	20	85.9	1155.7	1155	1885
34"	863.6	1397.0	165.1	204.7	349.3	1006.3	20	91.9	1225.6	1348	2250
36"	914.4	1460.5	171.5	214.4	362.0	1063.8	20	91.9	1289.1	1541	2595
38"	965.2	1460.5	190.5	215.9	352.6	1073.2	20	91.9	1289.1	1537	2610
40"	1016.0	1511.3	196.9	223.8	363.5	1127.3	24	91.9	1339.9	1643	2870
42"	1066.8	1562.1	206.2	231.6	371.3	1176.3	24	91.9	1390.7	1798	3195
44"	1117.6	1648.0	214.4	242.8	390.7	1234.9	24	98.6	1463.5	1952	3720
46"	1168.4	1733.6	225.6	255.5	411.0	1292.4	24	104.6	1536.7	2107	4579
48"	1219.2	1784.4	233.4	263.7	417.5	1343.2	24	104.6	1587.5	2260	4730



900 lb / sq. in.
Welding Neck Flanges
Vorschweißflansche



ANSI B 16.47 Series A



Pipe <i>Rohr</i>		Raised Face Dia.	Fillet Radius (min)	Facing Dimensions					Groove Fillet Radius
				Ring Type Joint					
Nom. Size <i>DN</i>	<i>OD</i>	<i>R</i>	<i>A</i>	Facing Dia. <i>K</i>	Depth of Groove <i>L</i>	Pitch Dia. <i>P</i>	Width of Groove <i>D</i>	Ring No. <i>A</i>	<i>r</i>
12"	323.8	381.0	11.2	419.1	7.9	381.0	11.9	R57	0.8
14"	355.6	412.8	11.2	466.9	11.1	419.1	16.7	R62	1.5
16"	406.4	469.9	11.2	523.7	11.1	469.9	16.7	R66	1.5
18"	457.2	533.4	11.2	593.9	12.7	533.4	19.8	R70	1.5
20"	508.0	584.2	11.2	647.7	12.7	584.2	19.8	R74	1.5
24"	609.6	692.2	11.2	771.7	15.9	692.2	27.0	R78	2.3
26"	660.4	749.3	11.2	831.9	17.5	749.3	30.2	R100	2.3
28"	711.2	800.1	12.7	889.0	17.5	800.1	33.3	R101	2.3
30"	762.0	857.3	12.7	946.2	17.5	857.3	33.3	R102	2.3
32"	812.8	914.4	12.7	1003.3	17.5	914.4	33.3	R103	2.3
34"	863.6	965.2	14.2	1066.8	20.6	965.2	36.5	R104	2.3
36"	914.4	1022.4	14.2	1124.0	20.6	1022.4	36.5	R105	2.3
38"	965.2	1098.6	19.1	—	—	—	—	—	—
40"	1016.0	1162.1	20.6	—	—	—	—	—	—
42"	1066.8	1212.9	20.6	—	—	—	—	—	—
44"	1117.6	1270.0	22.4	—	—	—	—	—	—
46"	1168.4	1333.5	22.4	—	—	—	—	—	—
48"	1219.2	1384.3	23.9	—	—	—	—	—	—



ANSI B 16.47

Series B



Welding Neck Flanges *Vorschweißflansche*

Click to

75 lb

150 lb

300 lb

400 lb

600 lb

900 lb

Click



in every page at the top right of the table to back to this page.



ANSI B 16.47 Series B Welding Neck

Nominal Sizes from 26" to 60"
 The API-605 flanges are designated as Series B
 in this standard.

ANSI B 16.47 Reihe B Vorschweißflansche

Nennweiten von 26" to 60"
 In diesem Standard werden die API-605 Flansche
 als Reihe B bezeichnet.

General Survey

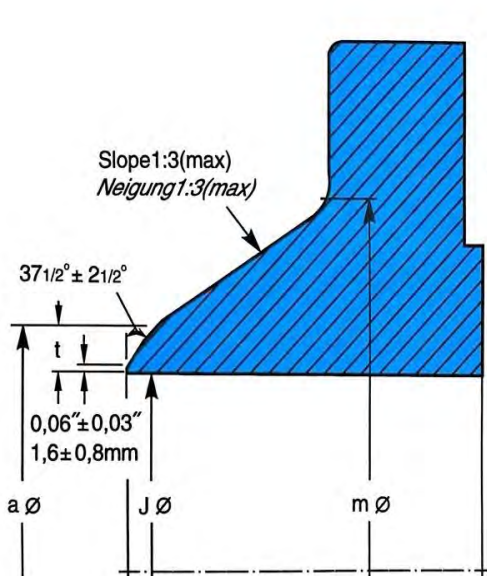
Allgemeiner Überblick



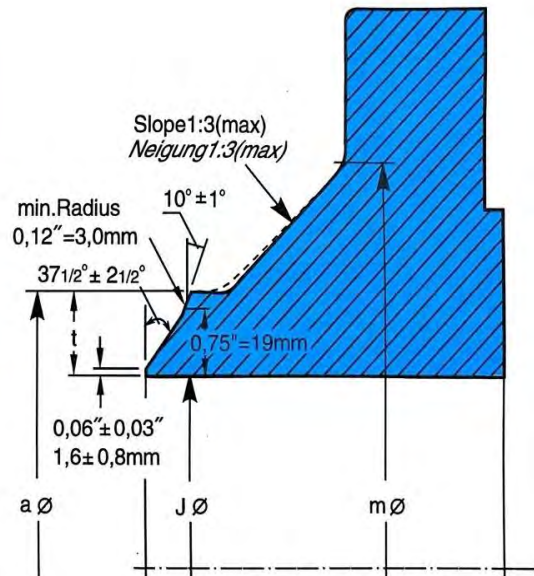
Nominal Pressure lb / sq. in. Nenndruck kp / cm ² Nenndruck N / cm ²	75 5.3 52	150 10.6 104	300 21.1 207	400 28.1 276	600 42.2 414	900 63.3 621
Type of Flange Flanschenart	from 26" to max. Nominal Sizes von 26" bis max. Nennweiten					
Welding Neck Flanges Vorschweißflansche	60"	60"	60"	36"	36"	36"

Welding Ends (Welding Neck Flanges) Anschweißenden (Vorschweißflansche)

a=Outside diameter of hub (top)
 Außendurchmesser am Anschweißende
 t=Nominal pipe wall thickness
 Rohr-Nennwanddicke
 J=Inside diameter
 Innendurchmesser
 m=Diameter of hub
 Ansatzdurchmesser



Bevel for Wall Thicknesses (t) 0.19" to 0.88" inclusive
 Abschrägung für Wanddicken (t) 4,8 mm bis 22,2 mm einschließlich

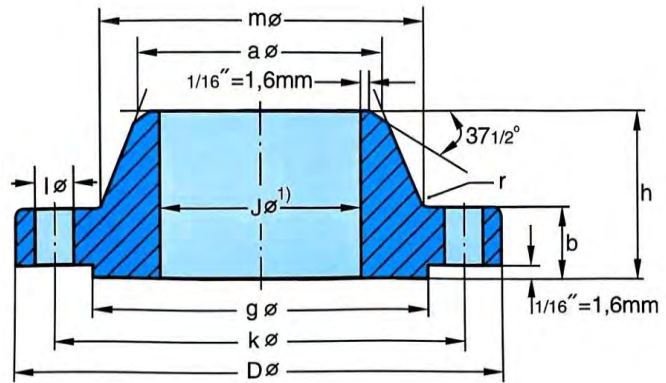


Bevel for Wall Thicknesses (t) greater than 0.88"
 Abschrägung für Wanddicken (t) größer als 22,2 mm



75 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



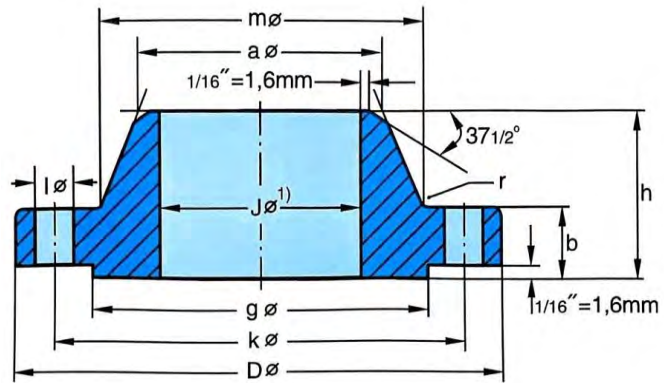
Pipe Rohr		Flange Dimensions Flanschmaße			Hub Ansatz			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	h	a	m	r	g	Number	l	k	Kilo
26"	660.4	762.0	33.3	58.7	661.9	676.1	7.9	704.9	36	19.1	723.9	40.00
28"	711.2	812.8	33.3	62.0	712.7	726.9	7.9	755.7	40	19.1	774.7	44.00
30"	762.0	863.6	33.3	65.0	763.5	777.7	7.9	806.5	44	19.1	825.5	48.00
32"	812.8	914.4	35.1	69.9	814.3	828.5	7.9	857.3	48	19.1	876.3	54.00
34"	863.6	965.2	35.1	73.2	865.1	879.3	7.9	908.1	52	19.1	927.1	59.00
36"	914.4	1033.5	36.6	85.9	915.9	935.0	9.7	965.2	40	22.4	992.1	78.00
38"	965.2	1084.3	38.1	88.9	966.7	985.8	9.7	1016.0	40	22.4	1042.9	85.00
40"	1016.0	1135.1	38.1	91.9	1017.5	1036.6	9.7	1066.8	44	22.4	1093.7	93.00
42"	1066.8	1185.9	39.6	95.3	1068.3	1087.4	9.7	1117.6	48	22.4	1144.5	100.00
44"	1117.6	1251.0	42.9	104.6	1119.1	1140.0	9.7	1174.8	36	25.4	1203.5	113.00
46"	1168.4	1301.8	44.5	108.0	1169.9	1190.8	9.7	1225.6	40	25.4	1254.3	127.00
48"	1219.2	1352.6	46.0	111.3	1220.7	1241.6	9.7	1276.4	44	25.4	1305.1	141.00
50"	1270.0	1403.4	47.8	115.8	1271.5	1293.9	9.7	1327.2	44	25.4	1355.9	153.00
52"	1320.8	1457.5	47.8	120.7	1322.3	1344.7	9.7	1378.0	48	25.4	1409.7	160.00
54"	1371.6	1508.3	49.3	125.5	1373.1	1397.0	9.7	1428.8	48	25.4	1460.5	177.00
56"	1422.4	1574.8	50.8	134.9	1423.9	1450.8	11.2	1485.9	40	28.4	1521.0	198.00
58"	1473.2	1625.6	52.3	138.2	1474.7	1501.6	11.2	1536.7	44	28.4	1571.8	218.00
60"	1524.0	1676.4	55.6	144.5	1525.5	1552.4	11.2	1587.5	44	28.4	1622.6	245.00

1) To be specified by Purchaser
 Vom Besteller anzugeben



150 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



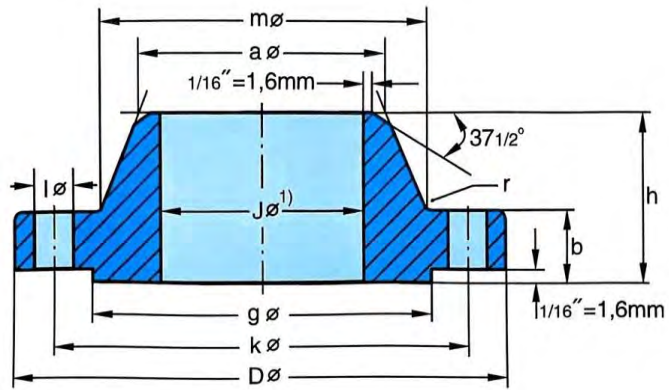
Pipe Rohr		Flange Dimensions Flanschmaße			Hub Ansatz			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	h	a	m	r	g	Number	l	k	Kilo
26"	660.4	785.9	41.1	88.9	661.9	684.3	9.7	711.2	36	22.4	744.5	63.00
28"	711.2	836.7	44.5	95.3	712.7	735.1	9.7	762.0	40	22.4	795.3	74.00
30"	762.0	887.5	44.5	100.1	763.5	787.4	9.7	812.8	44	22.4	846.1	80.00
32"	812.8	941.3	46.0	108.0	814.3	839.7	9.7	863.6	48	22.4	900.2	92.00
34"	863.6	1004.8	49.3	110.2	865.1	892.0	9.7	920.8	40	25.4	957.3	113.00
36"	914.4	1057.1	52.3	117.3	915.9	944.6	9.7	971.6	44	25.4	1009.7	129.00
38"	965.2	1124.0	53.8	124.0	968.2	997.0	9.7	1022.4	40	28.4	1069.8	150.00
40"	1016.0	1174.8	55.6	128.5	1019.0	1049.3	9.7	1079.5	44	28.4	1120.6	162.00
42"	1066.8	1225.6	58.7	133.4	1069.8	1101.9	11.2	1130.3	48	28.4	1171.4	184.00
44"	1117.6	1276.4	60.5	136.7	1120.6	1152.7	11.2	1181.1	52	28.4	1222.2	192.00
46"	1168.4	1341.4	62.0	144.5	1171.4	1205.0	11.2	1234.9	40	31.8	1284.2	224.00
48"	1219.2	1392.2	65.0	149.4	1222.2	1257.3	11.2	1289.1	44	31.8	1335.0	231.00
50"	1270.0	1435.4	68.3	153.9	1273.0	1308.1	11.2	1339.9	48	31.8	1385.8	263.00
52"	1320.8	1493.8	69.9	157.2	1323.8	1360.4	11.2	1390.7	52	31.8	1436.6	285.00
54"	1371.6	1549.4	71.4	162.1	1374.6	1412.7	11.2	1441.5	56	31.8	1492.3	287.00
56"	1422.4	1600.2	73.2	166.6	1425.4	1465.3	14.2	1492.3	60	31.8	1543.1	323.00
58"	1473.2	1674.9	74.7	174.8	1476.2	1516.1	14.2	1543.1	48	35.1	1611.4	384.00
60"	1524.0	1725.7	76.2	179.3	1527.0	1570.0	14.2	1600.2	52	35.1	1662.2	388.00

1) To be specified by Purchaser
 Vom Besteller anzugeben



300 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



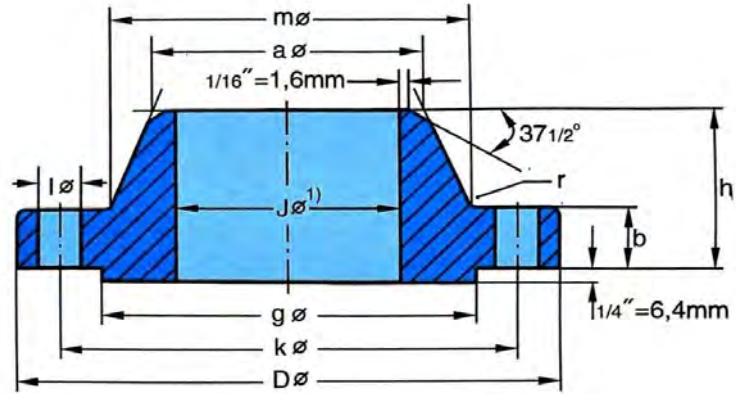
Pipe Rohr		Flange Dimensions Flanschmaße			Hub Ansatz			Raised Face Leiste	Drilling Template Schraubenlöcher			Approx. Weight Gewicht
Nom. Size DN	OD	D	b	h	a	m	r	g	Number	l	k	Kilo
26"	660.4	866.6	88.9	144.5	665.2	701.5	14.2	736.6	32	35.1	803.1	181.00
28"	711.2	920.8	88.9	149.4	716.0	755.7	14.2	787.4	36	35.1	857.3	203.00
30"	762.0	990.6	93.7	158.0	768.4	812.8	14.2	844.6	36	38.1	920.8	268.00
32"	812.8	1054.1	103.1	168.1	819.2	863.6	15.7	901.7	32	41.1	977.9	330.00
34"	863.6	1107.9	103.1	173.0	870.0	917.4	15.7	952.5	36	41.1	1031.7	357.00
36"	914.4	1171.4	103.1	180.8	920.8	965.2	15.7	1009.7	32	44.5	1089.2	405.00
38"	965.2	1222.2	111.3	192.0	971.6	1016.0	15.7	1060.5	36	44.5	1140.0	416.00
40"	1016.0	1273.0	115.8	198.4	1022.4	1066.8	15.7	1114.6	40	44.5	1190.8	450.00
42"	1066.8	1333.5	119.1	204.7	1074.7	1117.6	15.7	1168.4	36	47.8	1244.6	502.00
44"	1117.6	1384.3	127.0	214.4	1125.5	1173.2	15.7	1219.2	40	47.8	1295.4	552.00
46"	1168.4	1460.5	128.5	222.3	1176.3	1228.9	15.7	1270.0	36	50.8	1365.3	650.00
48"	1219.2	1511.3	128.5	223.8	1227.1	1277.9	15.7	1327.2	40	50.8	1416.1	731.00
50"	1270.0	1562.1	138.2	235.0	1277.9	1330.5	15.7	1378.0	44	50.8	1466.9	760.00
52"	1320.8	1612.9	142.7	242.8	1328.7	1382.8	15.7	1428.8	48	50.8	1517.7	800.00
54"	1371.6	1673.4	136.7	239.8	1379.5	1435.1	15.7	1479.6	48	50.8	1577.8	898.00
56"	1422.4	1765.3	153.9	268.2	1430.3	1493.8	17.5	1536.7	36	60.5	1651.0	1143.00
58"	1473.2	1827.3	153.9	274.6	1481.1	1547.9	17.5	1593.9	40	60.5	1713.0	1217.00
60"	1524.0	1878.1	150.9	271.5	1531.9	1598.7	17.5	1651.0	40	60.5	1763.8	1311.00

1) To be specified by Purchaser
 Vom Besteller anzugeben



400 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



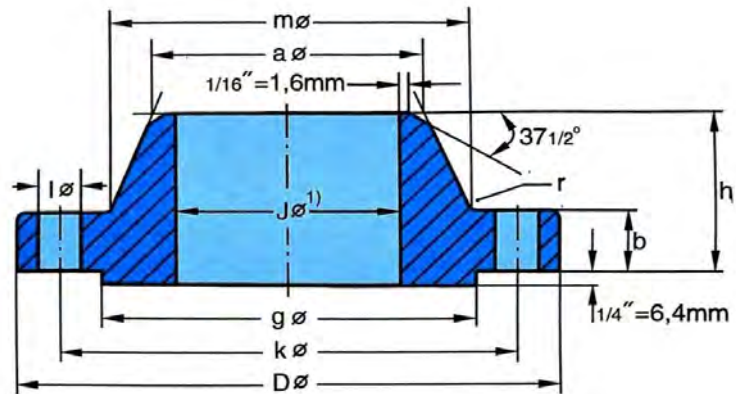
Pipe <i>Rohr</i>		Flange Dimensions <i>Flanschmaße</i>			Hub <i>Ansatz</i>			Raised Face <i>Leiste</i>	Drilling Template <i>Schraubenlöcher</i>			Approx. Weight <i>Gewicht</i>
Nom. Size <i>DN</i>	<i>OD</i>	<i>D</i>	<i>b</i>	<i>h</i>	<i>a</i>	<i>m</i>	<i>r</i>	<i>g</i>	<i>Number</i>	<i>l</i>	<i>k</i>	<i>Kilo</i>
26"	660.4	850.9	88.9	149.4	660.4	688.8	11.2	711.2	28	38.1	781.1	176.00
28"	711.2	914.4	95.3	158.8	711.2	739.6	12.7	762.0	24	41.1	838.2	216.00
30"	762.0	971.6	101.6	177.5	762.0	793.8	12.7	819.2	28	41.1	895.4	253.00
32"	812.8	1035.1	108.0	179.3	812.8	844.6	12.7	873.3	28	44.5	952.5	300.00
34"	863.6	1085.9	111.3	187.5	863.6	898.7	14.2	927.1	32	44.5	1003.3	327.00
36"	914.4	1155.7	119.1	200.2	914.4	952.5	14.2	980.9	28	47.8	1066.8	402.00

1) To be specified by Purchaser
 Vom Besteller anzugeben



600 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



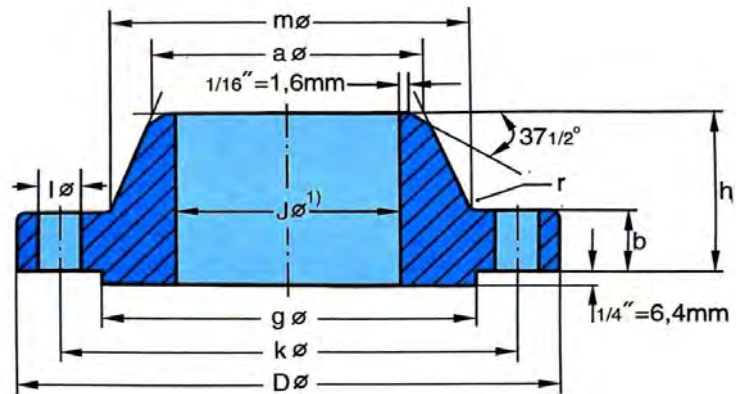
Pipe <i>Rohr</i>		Flange Dimensions <i>Flanschmaße</i>			Hub <i>Ansatz</i>			Raised Face <i>Leiste</i>	Drilling Template <i>Schraubenlöcher</i>			Approx. Weight <i>Gewicht</i>
Nom. Size <i>DN</i>	<i>OD</i>	<i>D</i>	<i>b</i>	<i>h</i>	<i>a</i>	<i>m</i>	<i>r</i>	<i>g</i>	<i>Number</i>	<i>l</i>	<i>k</i>	<i>Kilo</i>
26"	660.4	889.0	111.3	180.8	660.4	698.5	12.7	726.9	28	44.5	806.5	267.00
28"	711.2	952.5	115.8	190.5	711.2	752.3	12.7	784.4	28	47.8	863.6	326.00
30"	762.0	1022.4	125.5	204.7	762.0	806.5	12.7	841.2	28	50.8	927.1	402.00
32"	812.8	1085.9	130.0	215.9	812.8	860.6	12.7	895.4	28	53.8	984.3	462.00
34"	863.6	1162.1	141.2	233.4	863.6	914.4	14.2	952.5	24	60.5	1054.1	582.00
36"	914.4	1212.9	146.1	242.8	914.4	968.2	14.2	1009.7	28	60.5	1104.9	627.00

1) To be specified by Purchaser
 Vom Besteller anzugeben



900 lb / sq. in.

Welding Neck Flanges
Vorschweißflansche



ANSI B16.47 Series B



Pipe <i>Rohr</i>		Flange Dimensions <i>Flanschmaße</i>			Hub <i>Ansatz</i>			Raised Face <i>Leiste</i>	Drilling Template <i>Schraubenlöcher</i>			Approx. Weight <i>Gewicht</i>
Nom. Size <i>DN</i>	<i>OD</i>	<i>D</i>	<i>b</i>	<i>h</i>	<i>a</i>	<i>m</i>	<i>r</i>	<i>g</i>	<i>Number</i>	<i>l</i>	<i>k</i>	<i>Kilo</i>
26"	660.4	1022.4	134.9	258.8	660.4	743.0	11.2	762.0	20	66.5	901.7	564.00
28"	711.2	1104.9	147.6	276.4	711.2	797.1	12.7	819.2	20	73.2	971.6	706.00
30"	762.0	1181.1	155.4	289.1	762.0	850.9	12.7	876.3	20	79.2	1035.1	833.00
32"	812.8	1238.3	160.3	303.3	812.8	908.1	12.7	927.1	20	79.2	1092.2	919.00
34"	863.6	1314.5	171.5	319.0	863.6	962.2	14.2	990.6	20	85.9	1155.7	1105.00
36"	914.4	1346.2	173.0	325.4	914.4	1016.0	14.2	1028.7	24	79.2	1200.2	1124.00

1) To be specified by Purchaser
 Vom Besteller anzugeben