

WELD NECK FLANGE ANSI B16.5 CLASS #300

Материал steel ASTM A105WCB

Налягане ANSI #300

Размер 1/2" - 24"

TECHNICAL DESCRIPTION

Weld neck flange ANSI B16.5 / Class # 300 are piping elements that are widely used in the construction of steel pipelines and pipe segments used in industry, shipbuilding and ship repair.

They easily differs from the flat flanges with the long cone neck, which gradually passes to a pipe or other fitting joined by a butt weld. The conical neck ensures a smooth transition to the pipe dimmer, which reduces internal material stresses. This makes them suitable for applications with high / low temperature or mechanical stresses.

The inner diameter is with size that match the internal pipe diameter, which reduce pipe corrosion and frictional wear from the passing fluid.

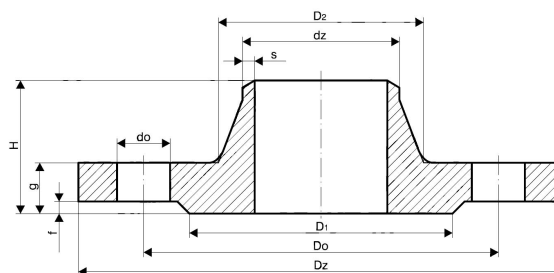
In stock we keep flanges ANSI B16.5 / Class # 150 and # 300, but flanges up to # 2500 can be delivered from different materials on request.

We have the necessary machining equipment, which also allows us to offer flanges with sealing surfaces.

- type of sealing surface A, B2, C, D, E, F
- non-standard sealing surfaces per job
- Profile channels for metal seals (segments) type RTJ
- Threaded flanges
- Flanges made by customer's order, and others.

MATERIALS ON STOCK

- Carbon Steel ASTM A105 WCB



No.	Position	Materials	Standart
1	Weld neck flange ANSI B16.5 / #150	стомана A105 WCB (1.0432)	ASTM A 695-95
	other steel materials on request		
		ASTM A105N ; C22.8 (1.0460)	ASTM
		ASTM/ASME A182 F1-F12-F11	ASTM A 182-02
	other stainless steel materials on request		
		Stainless steel - ASTM A182 F304 - 304L	ASTM
		Stainless steel - AISI A182 F316 - F316L	ASTM
		Low temp/ alloy - ASTM A352 LF2 low temp	ASTM
		High performance steel - ASTM A694 F42 ; F52	ASTM

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Размер 1/2" - 24"

Specifications	
Standart:	ANSI B16.5
Pressure Rating:	#300 (PN50)
Sealing face type:	Flat Face (FF);
	Raised Face (RF), Ring Joint (RTJ)

Nd	Pipe o.d.		Weld neck flange ansi b16.5 / #300									Holes	
		Dz	Dz	Do	Do	H	G	D2	S	D	F	Kg	N
1/2"	21,3		95,2	66,5	15,7	52,3	14,2	38,1	2,80	35,0	1,6	0,75	4
3/4"	26,7		117,3	82,5	19,0	57,1	15,7	47,7	2,95	42,9	1,6	1,26	4
1"	33,5		123,9	88,9	19,0	62,0	17,5	53,8	3,40	50,8	1,6	1,52	4
1 1/4"	42,2		133,3	98,5	19,0	65,0	19,0	63,5	3,55	63,5	1,6	2,03	4
1 1/2"	48,3		155,4	114,3	22,3	68,3	20,6	69,8	3,70	73,1	1,6	2,89	4
2"	60,3		165,1	127,0	19,0	69,8	22,3	84,0	3,90	91,9	1,6	3,4	8
2 1/2"	73,2		190,5	149,3	22,3	76,2	25,4	100,0	5,20	104,6	1,6	5,17	8
3"	88,9		209,5	168,1	22,3	79,2	28,4	117,3	5,45	127,0	1,6	6,93	8
3 1/2"	101,6		228,6	184,1	22,3	81,0	30,2	133,3	5,70	139,7	1,6	8,67	8
4"	114,3		254,0	200,1	22,3	85,8	31,7	146,0	5,95	157,2	1,6	11,2	8
5"	141,2		279,4	234,9	22,3	98,5	35,0	177,8	6,45	185,6	1,6	15,1	8
6"	168,3		317,5	269,7	22,3	98,5	36,5	206,2	7,10	215,9	1,6	19,1	12
8"	219,1		381,0	330,2	25,4	111,2	41,1	260,3	8,25	269,7	1,6	29,9	12
10"	273,1		444,5	387,3	28,4	117,3	47,7	320,5	9,25	323,8	1,6	42,7	16
12"	323,9		520,7	450,8	31,7	130,0	50,8	374,6	9,50	381,0	1,6	61,8	16
14"	355,6		584,2	514,3	31,7	142,7	53,8	425,4	*	412,7	1,6	85,8	20
16"	406,4		647,7	571,5	35,0	146,0	57,1	482,6	*	469,9	1,6	106	20
18"	457,2		711,2	628,6	35,0	158,7	60,4	533,4	*	533,4	1,6	131	24
20"	508,0		774,7	685,8	35,0	162,0	63,5	587,2	*	584,2	1,6	158	24
24"	609,6		914,4	812,8	41,1	168,1	69,8	701,5	*	692,1	1,6	230	24
*) Dimensions to be agreed													