ANSI B16-5 FLANGE

Welding Neck Flange

ISO9001 Supplier

Class Certificate

Export Supply

Manufacturers of steel flanges follow ansi b16.5 standards when designing or machining a flange. A long weld neck flange, or LWN,is considered a specialty flange because of its protruding neck.The neck extends from the f...



Key Highlights

Category	ANSI B16-5 Flange
Standard	DIN
Material	Carbon steel
Weight / Size	Nominal pipe size Outside Diam O.D.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	ANSI B16-5 Flange	**Model / SKU**	Welding-Neck-Flange
Standard	DIN	**Material**	Carbon steel
Weight / Size	Nominal pipe size Outside Diam O.D.	**Surface**	A long weld neck flange, or LWN,is considered a specialty flange because of its protruding neck.The neck extends from the flat surface of the flange and receives and guides the pipe into place— the neck serves as an extension of the boring.Tapering the neck provides extra reinforcement for use in high-pressure or extreme and fluctuating temperature applications.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

- China Welding Neck Flange:
- Specification:

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Weld Neck Flanges are designed to be joined to a piping system by butt welding.Weld Neck Flanges are preferred for high stresses to the pipe, reducing stress applications. The neck, or hub, transmits stress concentration at the base of the flange. The gradual transition of thickness from the base of the hub to the wall thickness at the butt weld provides important reinforcement of the flange.

Specification:

Nominal pipe size	Outside Diam	O.D. of Raised Face	at Base of Hub	Thick ness	BORE	LENGTH THRU HUB	Diam of Hub at Bevel	Radius of Fillet	Thread Length
					Welding Neck Socket Welding	Welding Neck			
	D	G	X	t	B1	T1	A	R	Q
1/2	89	35.1	30.2	11.2	15.7	47.8	21.3	3.0	15.7
3/4	99	42.9	38.1	12.7	20.8	52.3	26.7	3.0	15.7
1	108	50.8	49.3	14.2	26.7	55.6	33.5	3.0	17.5
11/4	117	63.5	58.7	15.7	35.1	57.2	42.2	4.8	20.6
11/2	127	73.2	65.0	17.5	40.9	62.0	48.3	6.4	22.4
2	152	91.9	77.7	19.1	52.6	63.5	60.5	7.9	25.4
21/2	178	104.6	90.4	22.4	62.7	69.9	73.2	7.9	28.4
3	191	127.0	108.0	23.9	78.0	69.9	88.9	9.7	30.2
31/2	216	139.7	122.2	23.9	90.2	71.4	101.6	9.7	31.8
4	229	157.2	134.9	23.9	102.4	76.2	114.3	11.2	33.3
5	254	185.7	163.6	23.9	128.3	88.9	141.2	11.2	36.6
6	279	215.9	192.0	25.4	154.2	88.9	168.4	12.7	39.6
8	343	269.7	246.1	28.4	202.7	101.6	219.2	12.7	44.5
10	406	323.9	304.8	30.2	254.5	101.6	273.1	12.7	49.3
12	483	381.0	365.3	31.8	304.8	114.3	323.9	12.7	55.6
14	533	412.8	400.1	35.1	336.6	127.0	355.6	12.7	57.2
16	597	469.9	457.2	36.6	387.1	127.0	406.4	12.7	63.5
18	635	533.4	505.0	39.6	438.2	139.7	457.2	12.7	68.3

20	699	584.2	558.8	42.9	489.0	144.5	508.0	12.7	73.2
24	813	692.2	663.4	47.8	590.6	152.4	609.6	12.7	82.6