

BLACK IRON SLIP ON FLANGE

FLAT FACE BUTTWELD • CLASS 300



FEATURES

- Manufactured in accordance with ASME B16.5
- Flat Face design for use with flat face flanges and full face gaskets
- High strength and durability
- Suitable for high pressure applications
- Corrosion resistant black finish (oiled)

DESCRIPTION

Slip On Flanges are used to connect a pipe to a piping system. The pipe is inserted into the flange and welded (buttweld) on both the inside and outside. Flat Face (FF) flanges are used with flat face mating flanges and a full face gasket.

SPECIFICATIONS

Type	: Slip On Flange
Face Type	: Flat Face (FF)
Welding Neck	: Buttweld
Class	: 300
Standard	: ASME B16.5
Material	: Black Iron
Material Specification	: ASTM A105
Finish	: Black (Oiled)
Service	: For general purpose piping applications
Temperature Range	: -20°C to 425°C (-4°F to 797°F)



PRESSURE RATING (ASME B16.5)

Class 300

Max. Working Pressure: 740 psi (51.0 bar)
at 100°F (37.8°C)

DIMENSIONS (ASME B16.5 – CLASS 300)

NPS (inch)	DN (mm)	Outside Diameter D (mm)	Thickness T (mm)	Diameter of Hub X (mm)	Diameter of Raised Face R (mm)	Bolt Circle Diameter C (mm)	Number of Holes	Diameter of Holes (mm)	Approx. Weight (kg)
1/2	15	95	22.2	38.1	34.9	66.7	4	15.9	0.65
3/4	20	115	25.4	47.8	42.9	82.6	4	19.1	1.05
1	25	125	28.6	53.8	50.8	88.9	4	19.1	1.35
1 1/4	32	135	28.6	63.5	63.5	98.4	4	19.1	1.65
1 1/2	40	155	31.8	69.9	73.0	114.3	4	22.2	2.20
2	50	165	34.9	84.1	92.1	127.0	8	19.1	2.70
2 1/2	65	190	38.1	100.1	104.8	149.2	8	22.2	3.90
3	80	210	41.3	117.3	127.0	168.3	8	22.2	4.90
4	100	255	47.6	146.1	157.2	200.0	8	22.2	7.20
6	150	320	57.2	206.2	215.9	269.9	12	22.2	11.80
8	200	380	63.5	257.2	269.7	330.2	12	25.4	17.10
10	250	445	69.9	309.6	323.9	387.4	16	28.6	23.40
12	300	520	76.2	360.0	381.0	450.8	16	31.8	31.80

Note: Dimensions are in millimeters (mm). Dimensions and weights are subject to manufacturing tolerances.

APPLICATIONS

- Water and wastewater systems
- Oil and gas industry
- Chemical and petrochemical plants
- HVAC and general piping systems

STANDARDS

- Design Standard: ASME B16.5
- Material Standard: ASTM A105
- NPT Threads (if any): ASME B1.20.1

ORDERING INFORMATION EXAMPLE

Slip On Flange, Flat Face, Buttweld,
Black Iron, ASME B16.5, Class 300,
NPS 2" (50mm)
Material: ASTM A105



HIGH STRENGTH



RELIABLE PERFORMANCE



BUILT TO STANDARDS