



ANSI B16.11 Carbon Steel High Pressure Pipe Fittings Bushing With NPT BSPT

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: PF-BS-F02
- Minimum Order Quantity: 10PCS
- Price: USD2-USD50 each pc as per different material
- Packaging Details: cartons + ply-wooden cases
- Delivery Time: 7 days for stock items
- Payment Terms: L/C, , T/T, D/P
- Supply Ability: 10000pcs each month



Product Specification

- Highlight: Carbon Steel High Pressure Pipe Fittings, B16.11 High Pressure Pipe Fittings, BSPT high pressure bushing



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Product Description

Carbon Steel High Pressure Fittings Bushing With NPT BSPT

3000LBS Screwed Bushings are the pipe fittings in which the external thread is larger than its internal thread.

This allows two pipes of different sizes to be connected. It can be used to reduce the threaded fittings. These ANSI B16.11 Forged Threaded Bushings can be used in various application industries such as oil, gasoline, hydraulic machinery, fertilizing or chemical processing. One of the main features of Threaded Bushings is that it is permanently leakage proof. These fittings are easy to install and are corrosion resistant. They have high performance and provide long-lasting services.

Product Information/Product Description/Basis Information/Specification

Production Name	ANSI B16.11 Forged pipe fittings with Socket Welded ends or Threaded ends
Types	90deg Elbow, 45deg Elbows, Street elbow, Tee, cross, full Coupling, half coupling, square Cap, square plug, Hex. Nipples, Bushing, Union, Barrel Nipple, Boss, weldolet, socketolet, threadolet etc
Size Range	1/8" 3/4" 3/8" 1/2" 3/4" 1" 1-1/4" 1-1/2" 2" 2-1/2" 3" 4"
Threaded Types	NPT ANSI B16.25 DIN BSPT
Material	Carbon Steel: ASTM A105 ,A 182 Grade F 1, A 182 Grade F 5, A 182 Grade F 9, A 182 Grade F 11, f12, f22 A 350 Grade LF 1, A 350 Grade LF2, A 350 Grade LF 4, A 350 Grade LF6, LF8 Stainless Steel: F304(L), F316(L), SS321, SS347H, 904L DUPELX SS 2507, 2205, UNS31803, UNS32750 18Cr-10Ni-Ti 25Cr-20Ni 22Cr-5Ni-3Mo-N 25Cr-7Ni-4Mo-N 24Cr-10Ni-4Mo-V 25Cr-7Ni-3.5Mo-W-Cb 25Cr-7Ni-3.5Mo-N-Cu-W
Standard	ANSI B16.11, MSS-SP 97, JIS, etc
Pressure	2000lbs, 3000lbs, 6000lbs, 9000lbs, etc

Features /Characteristics

Strength and Durability: Forged pipe fittings are known for their superior strength and durability compared to fittings made through other manufacturing methods. The forging process creates a dense and compact structure that can handle high-pressure and high-temperature applications.

Leak-Free Performance: The tight grain structure of forged fittings ensures a leak-free connection. The absence of porosity or voids in the metal reduces the risk of leaks or failures, making them suitable for critical applications where leakage is not acceptable.

Pressure Ratings: Forged pipe fittings generally have higher pressure ratings compared to fittings made by other methods. This makes them ideal for systems that operate under high pressure conditions.

Resistance to Corrosion: Forged fittings are available in various materials such as carbon steel, stainless steel, and alloy steel, which offer excellent resistance to corrosion. The choice of material depends on the specific requirements of the application, ensuring compatibility with the transported fluid or gas.

Wide Range of Shapes and Sizes: Forged pipe fittings are available in a wide range of shapes and sizes to meet different piping system requirements. Common types include elbows, tees, crosses, couplings, unions, caps, and plugs.

Versatility: Forged fittings are suitable for use in various industries such as oil and gas, petrochemicals, power generation, and chemical processing. They can handle different types of fluids, gases, and temperatures, making them versatile for diverse applications.

Quality and Consistency: Due to the controlled forging process, forged pipe fittings exhibit consistent quality and dimensional accuracy. This ensures that the fittings can be easily installed and provide a reliable connection within the piping system.

Longevity: With their robust construction and resistance to wear and tear, forged fittings offer a longer service life compared to other types of fittings. Proper installation, maintenance, and adherence to recommended operating conditions can further enhance their longevity.

Technology/ Technical Data Sheets

Dimension of socket welding Fittings for bushing ,plug

GENERAL NOTE: Dimensions are in millimeters.

NOTE:

(1) **Cautionary Note Regarding Hex Bushings:** Hex head bushings of one-size reduction should not be used in services where they might be subject to harmful loads and forces other than internal pressures.

Application/Usage

Material Grades:

Chemical Composition

ASTM		Analysis in %							
Designation		C	Mn	Si	Max. P	Max. S	Cr	Ni	Mo
A105 - 05									
		max. 0.35	0.60 - 1.05	0.10 - 0.35	0.035	0.04	max. 0.3 ³ ₄	max. 0.4 ³ ₄	max. 0.12 ³
A182 - 07									
Gr ad es	F1 F5	max. 0.25	0.60 - 0.90	0.15 - 0.35	0.045	0.045			0.44 - 0.65
	F11 Cl. 1	max. 0.15	0.30 - 0.60	max. 0.50	0.030	0.030	4.00 - 6.00	max. 0.50	0.44 - 0.65
		0.05 - 0.15	0.30 - 0.60	0.50 - 1.00	0.030	0.030	1.00 - 1.50		0.44 - 0.65
	F11 Cl. 2 / Cl. 3	0.10 - 0.20	0.30 - 0.80	0.50 - 1.00	0.040	0.040	1.00 - 1.50		
	F22 Cl. 1 / Cl. 3	0.05 - 0.15	0.30 - 0.60	max. 0.5	0.040	0.040	2.00 - 2.50	8.00 - 11.00	0.44 - 0.65
	F304 ¹	max. 0.08	max. 2.00	max. 1.00	0.045	0.030	18.00 - 20.00		0.87 - 1.13
	F304 L ¹	max. 0.030	max. 2.00	max. 1.00	0.045	0.030	18.00 - 20.00	8.00 - 13.00	
	F316 ¹	max. 0.08	max. 2.00	max. 1.00	0.045	0.030	16.00 - 18.00	10.00 - 14.00	
	F316L ¹	max. 0.030	max. 2.00	max. 1.00	0.045	0.030	16.00 - 18.00	10.00 - 15.00	2.00 - 3.00
	F321 ²	max. 0.08	max. 2.00	max. 1.00	0.045	0.030	17.00 - 19.00	9.00 - 12.00	
A350 - 04									

				0.15 - 0.30			max. 0.3 ³ ₄		max. 0.12 ³
Gr	LF1	max. 0.30	0.60 - 1.35	0.15 - 0.30	0.035	0.040	max. 0.3 ³ ₄	max. 0.4 ³ ₃	max. 0.12 ³
ad	LF2 Cl. 1	max. 0.30	0.60 - 1.35	0.30	0.035	0.040		max. 0.4 ³ ₃	
es	LF2 Cl. 2 LF3	max. 0.30	0.60 - 1.35	0.20 - 0.35	0.035	0.040	max. 0.3 ³ ₄	max. 0.4 ³ ₃	max. 0.12 ³
		max. 0.20	max. 0.90	0.35	0.035	0.040	max. 0.3 ³ ₄	3.3 - 3.7	max. 0.12 ³
A694 - 03									
Gr	F42 / F52 /			0.15 - 0.35	0.025	0.025			
ad	F56 F60 / F65	max. 0.26	max. 1.4						
es	/ F70								

PHYSICAL PROPERTIES

ASTM		Tensile strength		Fluency limit		Elongation in 50 mm.		Stress	Brinell
Designatioin		Ksi min.	MPa	Ksi min.	MPa	% min.	% min.		Hardness (HB)
A105 - 05									
		70	485	36	250	22	30		187 max.
A182 - 07									
Grade s	F1	70	485	40	275	20	30		143 - 192
	F5	70	485	40	275	20	35		143 - 217
	F11 Cl. 1	60	415	30	205	20	45		121 - 174
	F11 Cl. 2	70	485	40	275	20	30		143 - 207
	F11 Cl. 3	75	515	45	310	20	30		156 - 207
	F22 Cl. 1	60	415	30	205	20	35		170 max.
	F22 Cl. 3	75	515	45	310	20	30		
	F304	751	5151	30	205	30	50		156 - 207
	F304L	702	4852	25	170	30	50		
	F316	751	5151	30	205	30	50		
	F316L	702	4852	25	170	30	50		
	F321	751	5151	30	205	30	50		
A350 - 04									
Grade s	LF1	60 - 85	415 - 585	30	3 4 205	25	38		197 max.
	LF2 Cl. 1	70 - 95	485 - 655	36	3 4 250	22	30		197 max.
	LF2 Cl. 2	70 - 95	485 - 655	36	3 4 250	22	30		197 max.
	LF3 Cl. 1	70 - 95	485 - 655	37.5 ^{3 4}	260	22	35		197 max.
	LF3 Cl. 2	70 - 95	485 - 655	37.5 ^{3 4}	260	22	35		197 max.
A694 - 03									
Grade s	F42	60	415	42	290	20			
	F52	66	455	52	360	20			
	F56	68	470	56	385	20			
	F60	75	515	60	415	20			
	F65	77	530	65	450	20			
	F70	82	565	70	485	18			

Products for shipment



Our Service

1. Technical support
2. Raw Material Quality control.
3. Inspection during the production time.
4. Final Test includes Surface, Dimension, PT Test, RT test, ultrasonic Test
5. Test Report each shipment
4. Flexible Delivery terms. EXW FOB CIF CFR DDP DDU
5. Flexible payment Ways: LC. TT. DP
6. Customized Package includes Logo. Cases Dimension.
7. 18 months quality Guarantee time.
9. Free replacement by air if any error founded
10. 24 hours to Feedback your questions

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