Forged Steel High Pressure Pipes And Fittings Straight Tee With Thread NPT 6000lbs

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: PF-EL-F01
- 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 momth

Product Specification

- Standard: ANSI B16.11
- Material: A105, A105N. A350LF2, F22, SS316, SS304, DUPLEX SS, ALLOY STEEL
- Rating: 2000#, 3000#, 6000#, 9000# 2000LBS 3000LBS 6000LBS 9000LBS
- Connection: Socket Welded SW Threaded NPT BSPT BSPP
- Size: 1/4"-4"
- Surface: Black, Pickling, Anti-rust Oil
- Highlight: **Forged high pressure pipes and fittings**, **Steel high pressure pipes and fittings**, **1/4" pipe fittings high pressure**

Product Description

Forged Steel High Pressure Pipe Fittings Straight Tee With thread NPT 6000lbs

Forged high pressure fittings are commonly used in high-pressure and high-temperature applications, where their superior strength and durability are required. They are available in various shapes and sizes, including elbows, tees, crosses, couplings, unions, caps, and plugs

.(Forged high pressure fittings are typically made from materials such as carbon steel, stainless steel, alloy steel, or other suitable metals. The material selection depends on the specific application and the working conditions of the system. These fittings are known for their reliability and leak-free performance in demanding environments. They are often used in industries such as oil and gas, petrochemicals, power generation, and chemical processing. When selecting forged pipe fittings, it is important to consider factors such as pressure ratings, temperature limitations, corrosion resistance, and compatibility with the fluid or gas being conveyed. Additionally, proper installation and regular maintenance are crucial to ensure the integrity and longevity of the fittings in the piping system.)

Product Information/Product Description/Basis Information/Specification

Production Name	Threaded high pressure Fittings straight Tee / ANSI B16.11 Forged pipefittings with Socket Welded 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-Tl 25Cr-20NI 22Cr-5Ni-3Mo-N 25Cr-7Ni-4Mo-N 24Cr-lONi-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

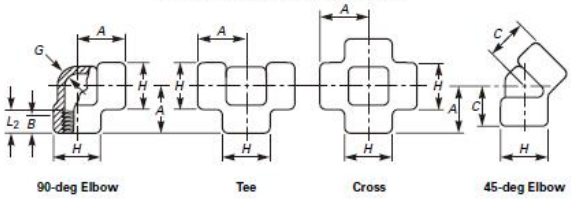
Features /Characteristics

•Strength and Durability
•Leak-Free Performance
•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
•Wide Range of Shapes and Sizes
•Quality and Consistency
•Longevity

Technology/ Technical Data Sheets

Dimension of socket welding Fittings for 90-Deg Elbow, Cross, Tee, 45deg elbow

Table 2 Forged Threaded Fittings



90-deg Elbow Tee Cross 45-deg Elbow

Nominal Pipe Size	Center-to-End Elbows, Tees, and Crosses, A			Center-to-End 45-deg Elbow, C			Outside Diameter of Band, H			Minimum Wall Thickness, G			Min. Length of Thread (Note (1))	
	2000	3000	6000	2000	3000	6000	2000	3000	6000	2000	3000	6000	B	L_2
1/8	21	21	25	17	17	19	22	22	25	3.18	3.18	6.35	6.4	6.7
1/4	21	25	28	17	19	22	22	25	33	3.18	3.30	6.60	8.1	10.2
3/8	25	28	33	19	22	25	25	33	38	3.18	3.51	6.98	9.1	10.4
1/2	28	33	38	22	25	28	33	38	46	3.18	4.09	8.15	10.9	13.6
3/4	33	38	44	25	28	33	38	46	56	3.18	4.32	8.53	12.7	13.9
1	38	44	51	28	33	35	46	56	62	3.68	4.98	9.93	14.7	17.3
1 1/4	44	51	60	33	35	43	56	62	75	3.89	5.28	10.59	17.0	18.0
1 1/2	51	60	64	35	43	44	62	75	84	4.01	5.56	11.07	17.8	18.4
2	60	64	83	43	44	52	75	84	102	4.27	7.14	12.09	19.0	19.2
2 1/2	76	83	95	52	52	64	92	102	121	5.61	7.65	15.29	23.6	28.9
3	86	95	106	64	64	79	109	121	146	5.99	8.84	16.64	25.9	30.5
4	106	114	114	79	79	79	146	152	152	6.55	11.18	18.67	27.7	33.0

Note: Average of socket wall thickness a round periphery shall be no less than listed values.

The minimum values are permitted in localized areas. (All above data are for millimeters)

Application/Usage

Forged high pressure fittings are commonly used in a variety of industries and applications involving high pressure fluid or gas systems. Some specific applications and uses of forged high pressure fittings include: Oil and Gas Industry, Power Generation, Chemical Processing,Pharmaceutical industry, Water Treatment, Mining and Construction, Aerospace and Defense HVAC and Piping

Material Grades:

Forged high pressure pipefittings here mentioned below are only a few of those covered by B16.11 standard. The physical and chemical values indicated correspond to the latest issued standard, although they are affected by modifications year after year, so we suggest to use them only as a guide.

Chemical Composition

ASTM Designation		Analysis in %							
		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									
Grades	F1 F5 F11 Cl. 1	max. 0.25 max. 0.15 0.05 - 0.15	0.60 - 0.90 0.30 - 0.60 0.30 - 0.60	0.15 - 0.35 max. 0.50 0.50 - 1.00	0.045 0.030 0.030	0.045 0.030 0.030	4.00 - 6.00 1.00 - 1.50	max. 0.50	0.44 - 0.65 0.44 - 0.65 0.44 - 0.65
	F11 Cl. 2 / Cl. 3 F22 Cl. 1 / Cl. 3 F304 [1]	0.10 - 0.20 0.05 - 0.15 max. 0.08	0.30 - 0.80 0.30 - 0.60 max. 2.00	0.50 - 1.00 max. 0.5 max. 1.00	0.040 0.040 0.045	0.040 0.040 0.030	1.00 - 1.50 2.00 - 2.50 18.00 - 20.00	8.00 - 11.00	0.44 - 0.65 0.87 - 1.13
	F304 L [1] F316 [1] F316L [1] F321 [2]	max. 0.030 max. 0.08 max. 0.030 max. 0.08	max. 2.00 max. 2.00 max. 2.00 max. 2.00	max. 1.00 max. 1.00 max. 1.00 max. 1.00	0.045 0.045 0.045 0.045	0.030 0.030 0.030 0.030	18.00 - 20.00 16.00 - 18.00 16.00 - 18.00 17.00 - 19.00	8.00 - 13.00 10.00 - 14.00 10.00 - 15.00 9.00 - 12.00	2.00 - 3.00 2.00 - 3.00
A350 - 04									
Grades	LF1 LF2 Cl. 1 LF2 Cl. 2 LF3	max. 0.30 max. 0.30 max. 0.30 max. 0.20	0.60 - 1.35 0.60 - 1.35 0.60 - 1.35 max. 0.90	0.15 - 0.30 0.15 - 0.30 0.20 - 0.35 0.20 - 0.35	0.035 0.035 0.035 0.035	0.040 0.040 0.040 0.040	max. 0.3 [3 4] max. 0.3 [3 4] max. 0.3 [3 4] max. 0.3 [3 4]	max. 0.4 [3] max. 0.4 [3] max. 0.4 [3] 3.3 - 3.7	max. 0.12 [3] max. 0.12 [3] max. 0.12 [3] max. 0.12 [3]
A694 - 03									
Grades	F42 / F52 / F56 F60 / F65 / F70	max. 0.26	max. 1.4	0.15 - 0.35	0.025	0.025			

PHYSICAL PROPERTIES

ASTM Designatioin		Tensile strength		Fluency limit Elongation in 50 mm.			Stress	Brinell
		Ksi min.	MPa	Ksi min.	MPa	% min.	% min.	Hardness (HB)
A105 - 05								
		70	485	36	250	22	30	187 max.
A182 - 07								
Grades	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								
Grades	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								
Grades	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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