



3000# SW High Pressure Coupling With Socket Weld Ends

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: PF-BS-F5
- 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

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

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Product Description

3000# SW High Pressure Full Coupling With Socket Weld ends

Socket weld fittings is a pipe connection method for inserting pipe into valve, pipe fittings and flange. It is usually used for 4-inch or below. ANSI B16.11 high pressure forged socket weld coupling in half and full coupling types with pressure of 3000LBS, 6000LBS, 9000LBS are used to connect pipes in high pressure pipeline. they are mainly used in Oil recovery and Christmas tree. Oil well production Engineering.

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 DUPLEX 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

•DURABLES

Selected raw materials, The quality of raw materials is the top priority. Strict quality control and test to make the raw Material meets both requirements on Chemical composition and Mechanical Properties.

•PRECISION

Advanced CNC machining center and experienced technicians make the products in a precise dimension, less tolerance, bigly improve the quality of originality.

•CUSTOMIZE

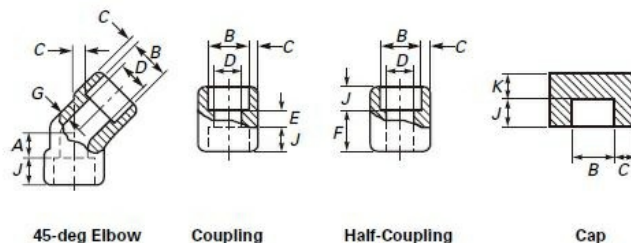
Professional Engineers can design the Forged high-pressure fittings in standard and non standard customized according to customers' requirements both on specifications and materials

•STRICT

We have completed testing equipment's here in our factory like spectrograph, hardness tester, Impact Test Equipment, CMM, ect. All these testing dates will be recorded in the testing reports and sent to our customers for checking

Technology/ Technical Data Sheets

Socket Welding Forged Pipe fittings for Couplings, Half-couplings and End Caps



Nominal Pipe Size	Min. Depth of Socket, <i>J</i>	Center-to-Bottom of Socket, <i>A</i>							End Wall Thickness, <i>K_{min}</i>						
		90-deg Elbows, Tees, and Crosses							45-deg Elbows						
		Class Designation							Laying Lengths		Tolerances, ±			Class Designation	
		3000	6000	9000	3000	6000	9000	Couplings, <i>E</i>	Half Couplings, <i>F</i>	<i>A</i>	<i>E</i>	<i>F</i>	3000	6000	9000
⅛	0.38	0.44	0.44	...	0.31	0.31	...	0.25	0.62	0.03	0.06	0.03	0.19	0.25	...
¼	0.38	0.44	0.53	...	0.31	0.31	...	0.25	0.62	0.03	0.06	0.03	0.19	0.25	...
⅜	0.38	0.53	0.62	...	0.31	0.44	...	0.25	0.69	0.06	0.12	0.06	0.19	0.25	...
½	0.38	0.62	0.75	1.00	0.44	0.50	0.62	0.38	0.88	0.06	0.12	0.06	0.25	0.31	0.44
¾	0.50	0.75	0.88	1.12	0.50	0.56	0.75	0.38	0.94	0.06	0.12	0.06	0.25	0.31	0.50
1	0.50	0.88	1.06	1.25	0.56	0.69	0.81	0.50	1.12	0.08	0.16	0.08	0.38	0.44	0.56
1¼	0.50	1.06	1.25	1.38	0.69	0.81	0.88	0.50	1.19	0.08	0.16	0.08	0.38	0.44	0.56
1½	0.50	1.25	1.50	1.50	0.81	1.00	1.00	0.50	1.25	0.08	0.16	0.08	0.44	0.50	0.62
2	0.62	1.50	1.62	2.12	1.00	1.12	1.12	0.75	1.62	0.08	0.16	0.08	0.50	0.62	0.75
2½	0.62	1.62	...	...	1.12	...	...	0.75	1.69	0.10	0.20	0.10	0.62	0.75	...
3	0.62	2.25	...	...	1.25	...	...	0.75	1.75	0.10	0.20	0.10	0.75	0.88	...
4	0.75	2.62	...	...	1.62	...	...	0.75	1.88	0.10	0.20	0.10	0.88	1.12	...

General Note: Dimensions are in 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 pipe fittings 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		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	4.00 - 6.00	max. 0.50	0.44 - 0.65
	F11 Cl. 1	max. 0.15	0.30 - 0.60	max. 0.50	0.030	0.030	1.00 - 1.50	max. 0.50	0.44 - 0.65
		0.05 - 0.15	0.30 - 0.60	0.50 - 1.00	0.030	0.030			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		0.44 - 0.65
	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	2.00 - 3.00
	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									
Gr ad es	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	max. 0.12 ³
	LF2 Cl. 1	max. 0.30	0.60 - 1.35	0.15 - 0.30	0.035	0.040	max. 0.3 ^{3 4}	max. 0.4 ³	max. 0.12 ³
	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	max. 0.12 ³
		max. 0.20	max. 0.90	0.20 - 0.35	0.035	0.040	max. 0.3 ^{3 4}	3.3 - 3.7	max. 0.12 ³
A694 - 03									
Gr ad es	F42 / F52 / F56 F60 / F65 / F70	max. 0.26	max. 1.4	0.15 - 0.35	0.025	0.025			

PHYSICAL PROPERTIES

ASTM		Tensile strength		Fluency limit Elongation in 50 mm.			Stress	Brinell	
Designation		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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