



3000# NPT High Pressure Elbow For Petro Gas Industry

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: DEYE
- Certification: ISO9001:2015 PED
- Model Number: PF-EL-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: NPT high pressure elbow ,
3000# high pressure elbow ,
2000LBS high pressure elbow fitting



More Images



Product Description

3000# NPT High Pressure Elbow For Petro Gas Industry

3M is referring to 3000 lbs fittings, which can resist up to 3000 PSI (206 Bars) of pressure. 6M is referring to 6000lbs fittings. Forged pipe fittings with pressure classes of 2000, 3000, 6000, and 9000 are available. However, Class 3000 and 6000 are the most frequent pressure classes used in applications

Product Information/Product Description/Basis Information/Specification

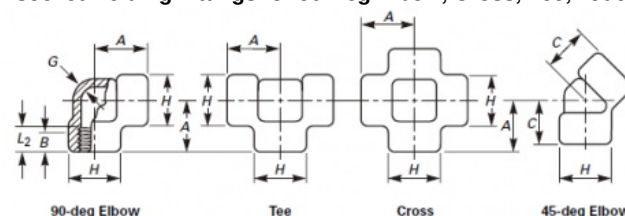
Forged Steel Fitting		
Name	45D/90D Elbow, Street Elbow, Tee, Cross, Cap, Coupling, Half Coupling, Plug, Bushing, Unin, Hexagon Nipple Outlet, Weldolet, Thredolet, Sockolet, Bull plug, Reducer Insert, Pipe Nipple, Swage Nipple	
H.S. Code	7307920000	
Pressure	Threaded Type	2000LBS, 3000LBS, 6000LBS
	Socket-Weld Type	3000LBS, 6000LBS, 9000LBS
Surface Finish	Anti-Rust Oil, Hot Dipped Galvanised, Customized.	
Technology	Forged	
Standard	American Standard	ANSI B16.11, MSS SP 97, MSS SP 95, MSS SP 83, ASTM A733
	British Standard	BS3799
	Japan Standard	JIS B2316
Size	1/8" - 6" (DN6 - DN150)	
Wall Thickness	SCH5S, SCH10S, SCH10, SCH40S, STD, XS, XXS, SCH20, SCH30, SCH40, SCH60, SCH80, SCH160, XXS	
Materials	Mild/Carbon Steel	A234 WPB/WPC, A105, A105N, A350LF2, F11, F22
	Stainless Steel	A403 WP304, 304(L), 316(L), 321, 310S, 347H, 316Ti, 317(L), F904L, 1.4301, 1.4307, 1.4401, 1.4571, 1.4541
	Duplex Stainless Steel	UNS31803, SAF2205, UNS32205, UNS31500, UNS32750, UNS32760, 1.4462, 1.4410, 1.4501
	Alloy Steel	Alloy20, A860 WPHY 42-46-52-60-65-70

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



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

Material Grades:

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 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	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 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 ¹	max. 0.030	max. 2.00	max. 1.00	0.045	0.030	18.00 - 20.00	8.00 - 13.00	
	F304 L ¹	0.030	max. 2.00	max. 1.00	0.045	0.030	16.00 - 18.00	10.00 - 14.00	
	F316 ¹ F316L ¹ F321 ²	max. 0.030 max. 0.08	max. 2.00 max. 2.00 max. 2.00	max. 1.00 max. 1.00 max. 1.00	0.045 0.045 0.045	0.030 0.030 0.030	18.00 - 19.00 16.00 - 17.00 14.00 - 15.00	10.00 - 12.00	2.00 - 3.00 2.00 - 3.00
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. 0.12 ³
	LF2 Cl. 1	max. 0.30	0.60 - 1.35	0.30	0.035	0.040	max. 0.3 ³ ₄	max. 0.4 ³ ₃	max. 0.12 ³
	LF2 Cl. 2 LF3	max. 0.30 max. 0.20	0.60 - 1.35 max. 0.90	0.20 - 0.35	0.035 0.035	0.040 0.040	max. 0.3 ³ ₄ max. 0.3 ³ ₄	max. 0.4 ³ ₃ 3.3 - 3.7	max. 0.12 ³ max. 0.12 ³
				0.20 - 0.35					
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			

ASTM Designation		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								
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		

Production process

Raw Material A105& Stainless-steel bars for forged fittings



Cutting the bars to be proper length for forging





Stocks of the raw pieces without marching



Sand Blast to clean and smooth the surface



Machining process



Test the threaded to meet standards



Marking the specification and logo on forged fittings



Finished Products and Package



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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