SCH80 SCH40 Carbon Steel Pipe Fittings With LR SR 3D 5D

Basic Information

Place of Origin: CHINABrand Name: DEYE

• Certification: ISO9001:2015 PED

Model Number: PF-EL-C06Minimum Order Quantity: 10PCS

Price: USD0.58-USD100 for seamless fittings
 Packaging Details: Ply-wooden cases, pallets, cartons

• Delivery Time: 5-8 days for stock items

Payment Terms: L/C, T/T, D/P



Product Specification

Material: A234WPB, WP11, WP22, WPC, A420WPL6

• Size: 1/2"-72"

• Thickness: STD Sch40 Sch80 Sch120 Sch160 XS XXS

Connection Ways: BW, Butt Welded, Butt Welding
Radius: 1.5D, 3D, 5D, 7D, 8D, 11D, LR SR

• Angle: 45DEG, 90DEG, 180DEG

• Surface: Black Finishing, Vanish Finishing, Anti-Rust

Oil

• Standard: ANSI B16.9 MSS SP-25 MSS SP-44

DIN2605

• Highlight: SCH40 Carbon Steel Pipe Fittings,

SCH80 Carbon Steel Pipe Fittings,

5D steel pipe elbow

Product Description

SCH40 SCH80 Steel pipe fittings Elbow with LR SR 3D 5D

Product Description

Pipe fittings are widely demanded for any piping and plumbing systems used in industrial and commercial applications. Fittings allow pipes to be joined or installed in the appropriate place and terminated or closed where necessary. Fittings are available in various shapes and sizes. They can be expensive, require time, and different materials and tools to install. They are an essential part of piping and plumbing systems. There are thousands of specialized fittings manufactured. Each type of pipe or tube requires its own type of fitting, but usually all pipe fittings share some common features. Pipe fittings are available everywhere where plumbing materials are sold.

Product Information/Basis Information/Specification

Product Name	ANSI B16.9 Butt-Welding Carbon Steel Pipe Fitting
	LR 90deg Elbows, SR 90deg Elbow, 45deg LR elbow, 22.5LR Elbow, 80deg Returns, Bends, Reducing
Types	Elbow, straight Tee, Equal Tee, Con. Reducers, Ecc. reducers, Y tees, caps, Stub Ends, Long and short lap
	joint stub ends
Size	1/2"-72" Seamless Elbow (1/2" 24"), ERW / Welded / Fabricated Elbow (1/2" 72")
Wall Thickness	SCH10,SCH20,SCH30,STD,SCH40,SCH60,XS,SCH80,SCH100,SCH120,SCH140,SCH160,XXS, DIN,
Wall Thickness	SGP JIS thickness
	ASTMA234,ASTM A420,ASTM A312, ANSI B16.9/B16.28/B16.25,ASME B16.9,
Mat. Standard	JIS B2311-1997/2312, JIS B2311/B2312, DIN 2605-1/2617/2615,
	GB 12459-99,EN Standard etc.
	Carbon Steel: A234 WPB, WP5, WP6, WP9, WP11, WP12, WP22, A420WPL6, WPL8, WP91
	12CrMo, 15Cr5Mo, 1Cr5Mo, 12Cr1MoV , WPHY 42, WPHY 46, WPHY 52, WPH 60, WPHY 65 & WPHY 70
Material Grade	ST37.0,ST35.8,ST37.2,ST35.4/8,ST42,ST45,ST52,ST52.4
Iviateriai Grade	STP G38,STP G42,STPT42,STB42,STS42,STPT49,STS49
	Stainless Steel304, 304L, 304H. 316, 316L, 316H, 321, 347, 347H, Duplex SS 2507, DSS2205, UNS31803
	UNS32750 1.4301,1.4306, 1.4401, 1.4435, 1.4406, 1.4404, 1.4462, 1.4410, 1.4501
Surface	Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE,etc.
Transport Packag	e Plastic film, wooden cases , wooden pallet, or as per customers' requests

Features /Characteristics

<u>Elbows</u>: Such pipe fittings are used to change the direction of the flow. Elbows They are majorly available in two standard types

- 90 and 45 degree angles owing to their high demand in plumbing. The 90-degree elbow is primarily used to connect hoses to water pumps, valves, and deck drains, while the 45 degree elbow is mostly used in water supply facilities, electronic and chemical industrial pipeline networks, food, air-conditioning pipelines, garden production, agriculture, and solar-energy facility.

Technology/ Technical Data Sheet

Thickness List for pipefittings ANSI B16.9

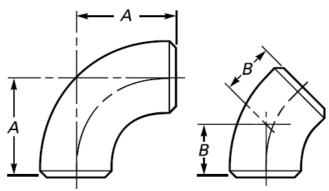
Unit: mm

	Outsid	Differer	Different thickness with tolerance of +-12.5%									
NPS	e Dimete r	Sch20	Sch30	STD	Sch40	Sch60	xs	Sch80	Schl20	Sch160	xxs	
1/8	10. 3			1. 73	1. 73		2. 41	2. 41	—			
1/4	13. 7	F	F	2. 24	2. 24	F	3. 02	3. 02	F	F	F	
3/8	17. 1	F	F	2. 31	2. 31	F	3. 20	3. 20	F	F	F	
1/2	21. 3	<u> </u>	<u> </u>	2. 77	2. 77	<u> </u>	3. 73	3. 73	<u> </u>	4. 78	7. 47	
3/4	26. 7	<u> </u>	<u> </u>	2. 87	2. 87	<u> </u>	3. 91	3. 91	<u> </u>	5. 56	7. 82	
1	33.4	\vdash	\vdash	3. 38	3. 38	\vdash	4. 55	4. 55	\vdash	6. 35	9. 09	
1 1/4	42. 2	\vdash	\vdash	3. 56	3. 56	\vdash	4. 85	4. 85	\vdash	6. 35	9. 70	
1 1/2	48. 3		<u> </u>	3. 68				5. 08	<u> </u>	7. 14	10. 15	
2	60. 3	<u> </u>		3. 91	3. 91		5. 54	5. 54	<u> </u>	8. 74	11. 07	
2 1/2	73. 0	\vdash	\vdash	5. 16	5. 16	\vdash	7. 01	7.01	\vdash	9. 53	14. 02	
3	88. 9	<u> </u>	\vdash	5. 49	5. 49	\vdash	7. 62	7. 62	<u> </u>	11. 13	15. 24	
3 1/2	101.6			5. 74	5. 74		8. 08	8. 08				
4	114. 3		<u> </u>	6.02	6. 02	<u> </u>	8. 56	8. 56	11. 13	13. 49	17. 12	
5	141.3	<u> </u>	\vdash	6. 55	6. 55	\vdash	9. 53	9. 53	12. 70	15. 88	19. 05	
6	168. 3	—	\vdash	7. 11	7. 11	\vdash	10. 97	10. 97	14. 27	18. 26	21.95	
8	219. 1	6. 35	7. 04	8. 18	8. 18	10. 31	12. 70	12. 70	18. 26	23. 01	22.23	
10	273. 1	6. 35	7. 80	9. 27	9.27	12. 70	12. 70	15. 09	21. 44	28. 58	25. 40	
12	323.9	6. 35	8. 38	9. 53	10. 31	14. 27	12. 70	17. 48	25. 40	33. 32	25. 40	
14	355. 6	7. 92	9. 53	9. 53	11. 13	15. 09	12. 70	19. 05	27. 79	35. 71	\vdash	
16	406. 4	7. 92	9. 53	9. 53	12. 70	16. 66	12. 70	21. 44	30. 96	40. 49	\vdash	
18	457. 2	7. 92	11. 13	9. 53	14. 27	19. 05	12. 70	23. 83	34. 96	45. 24	\vdash	

508. 0	9. 53	12. 70	9. 53	15. 09	20. 62	12. 70	26. 19	38. 10	50. 01	\vdash
558. 8	9. 53	12. 70	9. 53	\vdash	22. 23	12. 70	28. 58	41. 28	53. 98	\vdash
609. 6	9. 53	14. 27	9. 53	17. 48	24. 61	12. 70	30. 96	46. 02	59. 54	F
660.4	12. 70	<u> </u>	9. 53	<u> </u>		12. 70	<u> </u>	F		\vdash
711.2	12. 70	15. 88	9. 53	F	F	12. 70	F	F	F	FΠ
762. 0	12. 70	15. 88	9. 53	F	F	12. 70	F	F	F	FΠ
812. 8	12. 70	15. 88	9. 53	17. 48		12. 70	<u> </u>	F		\vdash
863. 6	12. 70	15. 88	9. 53	17. 48		12. 70			—	F
914. 4	12. 70	15. 88	9. 53	17. 48	F	12. 70	F	F	\vdash	F
965.2	F	F	9. 53	F	F	12. 70	F	F	F	F
1016. 0	—	—	9. 53	—		12. 70			—	F
1066. 8	—	—	9. 53	—	—	12. 70	<u> </u>			
1117. 6	F	F	9. 53	F	F	12. 70	F	F	F	F
1168.4	F	F	9. 53	F	F	12. 70	F	F	F	F
1219. 2	F	F	9. 53	F	F	12. 70	F	F	\vdash	F
	558. 8 609. 6 660.4 711.2 762. 0 812. 8 863. 6 914. 4 965.2 1016. 0 1066. 8 1117. 6	558. 8 9. 53 609. 6 9. 53 660.4 12. 70 711.2 12. 70 762. 0 12. 70 812. 8 12. 70 863. 6 12. 70 914. 4 12. 70 965.2 — 1016. 0 — 1066. 8 — 1117. 6 —	558. 8 9. 53 12. 70 609. 6 9. 53 14. 27 660.4 12. 70 — 711.2 12. 70 15. 88 762. 0 12. 70 15. 88 812. 8 12. 70 15. 88 863. 6 12. 70 15. 88 914. 4 12. 70 15. 88 965.2 — 1016. 0 — 1066. 8 — 1117. 6 — 1168.4 —	558. 8 9. 53 12. 70 9. 53 609. 6 9. 53 14. 27 9. 53 660.4 12. 70 — 9. 53 711.2 12. 70 15. 88 9. 53 762. 0 12. 70 15. 88 9. 53 812. 8 12. 70 15. 88 9. 53 863. 6 12. 70 15. 88 9. 53 914. 4 12. 70 15. 88 9. 53 1016. 0 — 9. 53 1066. 8 — 9. 53 1117. 6 — 9. 53 1168.4 — 9. 53	558. 8 9. 53 12. 70 9. 53 — 609. 6 9. 53 14. 27 9. 53 17. 48 660.4 12. 70 — 9. 53 — 711.2 12. 70 15. 88 9. 53 — 762. 0 12. 70 15. 88 9. 53 — 812. 8 12. 70 15. 88 9. 53 17. 48 863. 6 12. 70 15. 88 9. 53 17. 48 914. 4 12. 70 15. 88 9. 53 17. 48 965.2 — — 9. 53 — 1016. 0 — 9. 53 — 1066. 8 — 9. 53 — 1117. 6 — 9. 53 — 1168.4 — 9. 53 —	558. 8 9. 53 12. 70 9. 53 — 22. 23 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 660.4 12. 70 — 9. 53 — — 711.2 12. 70 15. 88 9. 53 — — 762. 0 12. 70 15. 88 9. 53 17. 48 — 812. 8 12. 70 15. 88 9. 53 17. 48 — 863. 6 12. 70 15. 88 9. 53 17. 48 — 914. 4 12. 70 15. 88 9. 53 17. 48 — 965.2 — 9. 53 — — 1016. 0 — 9. 53 — — 1066. 8 — 9. 53 — — 1117. 6 — 9. 53 — — 1168.4 — 9. 53 — —	558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 660.4 12. 70 — 9. 53 — 12. 70 711.2 12. 70 15. 88 9. 53 — 12. 70 762. 0 12. 70 15. 88 9. 53 — 12. 70 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 965.2 — — 9. 53 — 12. 70 1016. 0 — 9. 53 — 12. 70 1066. 8 — 9. 53 — 12. 70 1117. 6 — 9. 53 — 12. 70 1168.4 — 9. 53 — 12. 70	558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 660.4 12. 70 — 9. 53 — 12. 70 — 711.2 12. 70 15. 88 9. 53 — 12. 70 — 762. 0 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 965. 2 — 9. 53 — 12. 70 — 1016. 0 — 9. 53 — 12. 70 — 1066. 8 — 9. 53 — 12. 70 — 1117. 6 — 9. 53 — 12. 70 — 1168.4 — <td< td=""><td>558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 41. 28 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 46. 02 660.4 12. 70 — 9. 53 — 12. 70 — 711.2 12. 70 15. 88 9. 53 — 12. 70 — 762. 0 12. 70 15. 88 9. 53 — 12. 70 — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 965.2 — 9. 53 — 12. 70 — — 1016. 0 — 9. 53 — 12. 70 — — 1117. 6 — 9. 53 — 12. 70 <td< td=""><td>558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 41. 28 53. 98 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 46. 02 59. 54 660.4 12. 70 — 9. 53 — 12. 70 — — 711.2 12. 70 15. 88 9. 53 — 12. 70 — — 762. 0 12. 70 15. 88 9. 53 — 12. 70 — — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 965.2 — 9. 53 — 12. 70 — — 1016. 0 — 9. 53 — 12. 70 —</td></td<></td></td<>	558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 41. 28 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 46. 02 660.4 12. 70 — 9. 53 — 12. 70 — 711.2 12. 70 15. 88 9. 53 — 12. 70 — 762. 0 12. 70 15. 88 9. 53 — 12. 70 — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — 965.2 — 9. 53 — 12. 70 — — 1016. 0 — 9. 53 — 12. 70 — — 1117. 6 — 9. 53 — 12. 70 <td< td=""><td>558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 41. 28 53. 98 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 46. 02 59. 54 660.4 12. 70 — 9. 53 — 12. 70 — — 711.2 12. 70 15. 88 9. 53 — 12. 70 — — 762. 0 12. 70 15. 88 9. 53 — 12. 70 — — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 965.2 — 9. 53 — 12. 70 — — 1016. 0 — 9. 53 — 12. 70 —</td></td<>	558. 8 9. 53 12. 70 9. 53 — 22. 23 12. 70 28. 58 41. 28 53. 98 609. 6 9. 53 14. 27 9. 53 17. 48 24. 61 12. 70 30. 96 46. 02 59. 54 660.4 12. 70 — 9. 53 — 12. 70 — — 711.2 12. 70 15. 88 9. 53 — 12. 70 — — 762. 0 12. 70 15. 88 9. 53 — 12. 70 — — 812. 8 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 863. 6 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 914. 4 12. 70 15. 88 9. 53 17. 48 — 12. 70 — — 965.2 — 9. 53 — 12. 70 — — 1016. 0 — 9. 53 — 12. 70 —

Dimension List

Dimensions of Long Radius Elbows



Normial Pipe Size (NPS)	Outside Diameter at Bevel	90-deg Elbows, A	45-deg Elbows, B
1/2	21.3	38	16
3/4	26.7	38	19
1	33.4	38	22
1 1/4	42.2	48	25
1 1/2	48.3	57	29
2	60.3	76	35
2 1/2	73.0	95	44
3	88.9	114	51
3 1/2	101.6	133	57
4	114.3	152	64
5	141.3	190	79
6	168.3	229	95
8	219.1	305	127
10	273.0	381	159
12	323.8	457	190
14	355.6	533	222
16	406.4	610	254
18	457.0	686	286
20	508.0	762	318
22	559.0	838	343
24	610.0	914	381
26	660.0	991	406
28	711.0	1 067	438
30	762.0	1 143	470
32	813.0	1 219	502
34	864.0	1 295	533
36	914.0	1 372	565
38	965.0	1 448	600
40	1 016.0	1 524	632
42	1 067.0	1 600	660
44	1 118.0	1 676	695
46	1 168.0	1 753	727
48	1 219.0	1 829	759

Application/Usage

Low and middle pressure fluid pipeline, boiler, petroleum and natural gas industry, drilling, chemical industry, electric industry, shipbuilding, fertilizer equipment and pipeline, structure, petrochemical, pharmaceutical industries, etc.

Material Specification

Designation: A 234/A 234M – 05 Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service

This specification covers wrought carbon steel and alloy steel fittings of seamless and welded construction covered by the latest revision of ASME B16.9, B16.11, MSS SP-79, and MSS SP-95. These fittings are for use in pressure piping and in pressure vessel fabrication for service at moderate and elevated temperatures. Fittings differing from these ASME and MSS standards shall be furnished in accordance with Supplementary Requirement S58 of Specification A 960.

Chemical Requirements (Composition, %)

Grade and Material	С	Mn	Р	s	Silicon	Chromium	Molybdenum	Nickel	Copper
WPB ^{B,C,D,E,F} 0.30 max		0.29–1.06	0.05	0.058	0.10 min	0.40 max	0.15 max	0.40 max	0.40 max
WPC ^{C,D,E,F} 0.35 max		0.29–1.06	0.05	0.058	0.10 min	0.40 max	0.15 max	0.40 max	0.40 max
WP1	0.28 max	0.30-0.90	0.045	0.045	0.10-0.50		0.44–0.65		
WP12 CL1,	0.05–0.20	0.30-0.80	0.045	0.045	0.60 max	0.80-1.25	0.44–0.65		
WP12 CL2									
WP11 CL1	0.05–0.15	0.30-0.60	0.03	0.03	0.50-1.00	1.00-1.50	0.44–0.65		
WP11 CL2,	0.05–0.20	0.30-0.80	0.04	0.04	0.50-1.00	1.00-1.50	0.44–0.65		
WP11 CL3									
WP22 CL1,	0.05–0.15	0.30-0.60	0.04	0.04	0.50 max	1.90-2.60	0.87–1.13		
WP22 CL3									
WP5 CL1,	0.15 max	0.30-0.60	0.04	0.03	0.50 max	4.0-6.0	0.44–0.65		
WP5 CL3									
WP9 CL1,	0.15 max	0.30-0.60	0.03	0.03	1.00 max	8.0–10.0	0.90–1.10		
WP9 CL3 WPR							1		
WF9 CL3 WFN	0.20 max	0.40-1.06	0.045	0.05				1.60-2.24	0.75-1.25
WP91	0.08–0.12	0.30–0.60	0.02	0.01	0.20-0.50	8.0–9.5	0.85-1.05	0.40 max	
WP911	0.09–0.13	0.30-0.60	0.02	0.01	0.10-0.50	8.5–9.5	0.90-1.10	0.40 max	

Mechanical Performance Requirements

		WPC,		WP11 CL1,		WP11 CL3,			
Grade and	WPB	WP11 CL2,	WP1	WP22 CL1,	WPR	WP22 CL3	WP91	WP911	WP12 CL1
Marking Symbol		WP12 CL2		WP5 CL1		WP5 CL3			
				WP9 CL1		WP9 CL3			
Tensile strength, range ksi [MPa]	60–85	70–95	55–80	60–85	63–88	175–100	85– 110	90–120	60–85
	[415–585]	II485–6551	[380– 550]	[415–585]	[435– 605]	II520-6901	[585– 760]	[620– 840]	[415–585]
Yield strength, min, ksi [MPa]	35 [240]	40 [275]	30 [205]	30 [205]	46 [315]	I45 [310]	60 [415]	64 [440]	32 [220]
(0.2 % offset or 0	(0.2 % offset or 0.5 % extension-under-load)								

Production Process

Elbow Marking process and reequipment



ELBOW Shaper Machining



Tee form Process and equipment



Reducer Form process and equipment



Sand blasted process and equipment



Beveling Process



Painting Shop



Package For shipment









Reference Standards

ASME B16.9 Specification for Butt Welded Fittings

ASME B16.9 specification is designed for butt welded fittings applied in industrial construction pipelines. Including elbow, tee, cross, cap, reducer, and etc.

Standard Scope

The standard includes specifications of NPS 1/2 to NPS 48 (DN15-DN1200) factory-made wrought butt-welded pipe fittings overall dimensions, tolerances ratings, test methods and markings.

Special Fittings

Special fittings here refer to special sizes, forms and tolerances that agreed between buyer and manufacturer.

Fabricated Fittings

Fabricated laterals and other fittings by circumferential or intersection welds are considered pipe fabrication could not apply this standard.

Units under ASME B16.9 shall be stated in both SI (Metric) and U.S. Customary units. Designation for size is NPS.

Reference Standards

It is not considered practical to identify the specific edition of each standard and specification in the individual references. A product made comply with a prior edition of referenced standards and in all other respects conforming to this standard will be considered complied.

ASME B16.5: Pipe Flanges and Flanged Fittings: NPS 1/2 Through NPS 24 Metric/Inch Standard

ASME B16.25: For Buttwelding Ends

ASME B31: Code for Pressure Piping

ASME B31.3: Process Piping

ASME B36.10M, Welded and Seamless Wrought Steel Pipe

ASME B36.19M, Stainless Steel Pipe

ASME Boiler and Pressure Vessel Code

ASTM A234/A234M-17, Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for

Moderate and High Temperature Service

ASTM A403/A403M-16, Specification for Wrought Austenitic Stainless Steel Piping Fittings

ASTM A420/A420M-16, Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for LowTemperature Service

ASTM A815/A815M-14e1, Specification for Wrought Ferritic, Ferritic/Austenitic and Martensitic Stainless Steel Piping Fittings ASTM A960/A960M-16a, Specification for Common Requirements for Wrought Steel Piping Fittings

ASTM E29-13, Practice for Using Significant Digits in Test Data to Determine Conformance With Specifications

ASTM B361-16, ASTM B363-14, ASTM B366/B366M-17: For other material metals. (Aluminum, Titanium, Nickel, and alloy).

FAQ/ Customer Question and Answers

Q: Customer asked for butt weld fittings in A105:

A: Most common carbon steel buttweld fitting material is A234WPB. It is equivalent to A105 flanges, however there is no such thing as an A105 or A106 butt weld fitting A106 Gr.B is for pipe grade.

The A234WPB fittings are made from A106GR.B pipes. A105 is a material from Bar forged to be High pressure Fittings or Flange

Q: Customer requests "Normalized" butt weld fittings:

A: This is also a misconception since flanges are available in A105 and A105 N, where N stands for normalized. However, there is no such thing as A234WPBN. Manufactures normalize their butt weld fittings was considered that normalized heat treating process was done, Especially for the elbows and Tees Customer needing "normalized" butt weld fittings should request WPL6 fittings which are high yield and are normalized as a standard procedure.

Q: Customer forgets to mention pipe schedule:

A: Buttweld fittings are sold as per pipe size but pipe schedule must be specified to match the ID of the fitting to the ID of the pipe. If no schedule is mentioned, we will assume a standard wall is requested.

Q; Customer forgets to mention welded or seamless butt weld fitting

A: Butt weld fittings are available in both welded and seamless configuration. A seamless butt weld carbon steel or stainless-steel fitting is made of seamless pipe and is generally more expensive. Seamless pipe fittings are NOT common in sizes bigger than 12". Welded pipe fittings are made of ERW welded carbon steel or stainless-steel pipe. They are available in sizes ½" to 72" and are more affordable than seamless fittings.

Q: What does Short Radius (SR) or Long Radius (LR) means?

A: You will often hear SR45 elbow or LR45 elbow. The 45 or 90 refers to the angle of the bend for buttweld fitting to change the direction of flow. A long radius elbow (LR 90 Elbow or LR 45 elbow) will have a pipe bend that will be 1.5 times the size of the pipe. So, a 6 inch LR 90 has bending radius that is 1.5 x nominal pipe size. A short radius elbow (SR45 or SR90) has a pipe bend that is equal to the size of the fitting, so a 6" SR 45 has a bending radius that is 6" nominal pipe size.

Q: What is a 3R or 3D elbow pipe fitting?

A: First, the terms 3R or 3D are used synonymously. A 3R butt weld elbow has a bending radius that is 3 times the nominal pipe size. A 3R elbow is equal to 3D Elbows

DEYE PIPING COMPANY 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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