1/8' To 4" Stainless Steel High Pressure Fittings Socket Weld 45 Degree Threaded Elbow

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Kasugai
- Certification: ISO PED AD2000
- Model Number: ASME B16.11 Stainless Steel High Pressure Socket Weld & Threaded 45° Elbow
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Seaworthy Packng
- Delivery Time: 30 - 60 working days
- Payment Terms: L / C , T / T
- Supply Ability: 500 ton per month

Product Specification

- Product Name: ASME B16.11 Stainless Steel High Pressure Socket Weld & Threaded 45° Elbow
- Size Range: 1/8' To 4"
- Manufacturing Standards: ANSI/ASMEB B1.20.1 (Thread Type) ASME B16.11
- Fitting Type: Socket-Welding(SW) 45° Elbow, Threaded(THD) 45° Elbow
- Pressure Class: Threaded End: 2000LBS, 3000LBS, 6000LBS Socket Welding End: 3000LBS, 6000LBS, 9000LBS
- Finish: Galvanized, Black (Carbon), Pickled
- Highlight: **45 Degree High Pressure Fittings**, **Socket Weld High Pressure Fittings**, **Socket Weld 45 Degree Threaded Elbow**

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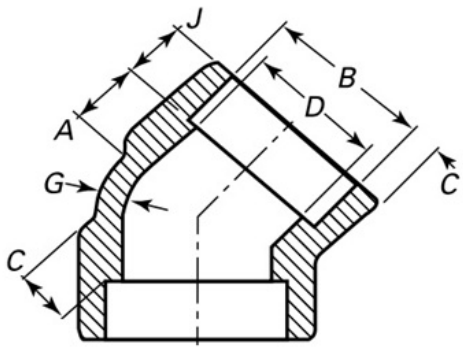
Size Range	1/8" to 4"
Standards	ANSI/ASMEB B1.20.1 (Thread Type) ASME B16.11
Fitting Type	Socket-Welding(SW) 45° Elbow, Threaded(THD) 45° Elbow
Pressure Class	Threaded End: 2000LBS, 3000LBS, 6000LBS Socket Welding End: 3000LBS, 6000LBS, 9000LBS
Finish	Galvanized, Black (Carbon), Pickled

The ASME B16.11 45° elbow is used to change the flow direction by an angle of 45° within the piping system. It can be furnished with two socket welding ends, two threaded ends, or one socket welding end and one threaded end. The SW 45° elbow is available in pressure ratings Class 3000, 6000, and 9000; THD 45° elbow is available in pressure rating Class 2000, 3000, and 6000.

Dimensions of ASME B16.11 Socket Weld (SW) 45° Elbow (mm)



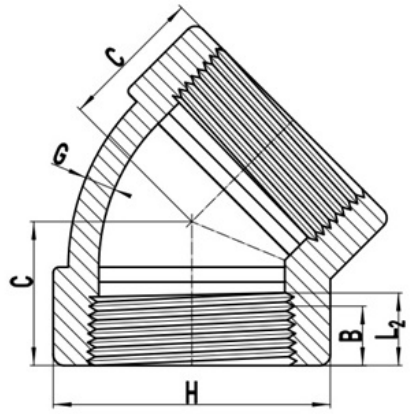
NPS	B max.	B min.	3000#		6000#		9000#		J min.
			A	G, min.	A	G, min.	A	G, min.	
1/8"	11.2	10.8	8.0	2.41	8.0	3.15	-	-	9.5
1/4"	14.6	14.2	8.0	3.02	8.0	3.68	-	-	9.5
3/8"	18.0	17.6	8.0	3.20	11.0	4.01	-	-	9.5
1/2"	22.2	21.8	11.0	3.73	12.5	4.78	15.5	7.47	9.5
3/4"	27.6	27.2	13.0	3.91	14.0	5.56	19.0	7.82	12.5
1"	34.3	33.9	14.0	4.55	17.5	6.35	20.5	9.09	12.5
1-1/4"	43.1	42.7	17.5	4.85	20.5	6.35	22.5	9.70	12.5
1-1/2"	49.2	48.8	20.5	5.08	25.5	7.14	25.5	10.15	12.5
2"	61.7	61.2	25.5	5.54	28.5	8.74	28.5	11.07	16.0
2-1/2"	74.4	73.9	28.5	7.01	-	-	-	-	16.0
3"	90.3	89.8	32.0	7.62	-	-	-	-	16.0
4"	115.7	115.2	41.0	8.56	-	-	-	-	19.0

NPS	3000#				6000#				9000#			
	C		D		C		D		C		D	
	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.
1/8"	3.18	3.18	7.6	6.1	3.96	3.43	4.8	3.2	-	-	-	-
1/4"	3.78	3.30	10.0	8.5	4.60	4.01	7.1	5.6	-	-	-	-
3/8"	4.01	3.50	13.3	11.8	5.03	4.37	9.9	8.4	-	-	-	-
1/2"	4.67	4.09	16.6	15.0	5.97	5.18	12.5	11.0	9.35	8.18	7.2	5.6
3/4"	4.90	4.27	21.7	20.2	6.96	6.04	16.3	14.8	9.78	8.56	11.8	10.3
1"	5.69	4.98	27.4	25.9	7.92	6.93	21.5	19.9	11.38	9.96	16.0	14.4
1-1/4"	6.07	5.28	35.8	34.3	7.92	6.93	30.2	28.7	12.14	10.62	23.5	22.2
1-1/2"	6.35	5.54	41.6	40.1	8.92	7.80	34.7	33.2	12.70	11.12	28.7	27.2
2"	6.93	6.04	53.3	51.7	10.92	9.50	43.6	42.1	13.84	12.12	38.9	37.4
2-1/2"	8.76	7.67	64.2	61.2	-	-	-	-	-	-	-	-
3"	9.52	8.30	79.4	76.4	-	-	-	-	-	-	-	-
4"	10.69	9.53	103.8	100.7	-	-	-	-	-	-	-	-

General Note: all dimensions are in millimeter

Notes: A: center-to-bottom of socket; **B**: socket bore diameter; **C**: socket wall thickness; **D**: bore diameter of elbow; **J**: socket depth; **G**: body wall thickness.

Dimensions of ASME B16.11 Threaded (THD) 45° Elbow (mm)



NPS	2000#			3000#			9000#			B	L_2
	A	H	G	A	H	G	A	H	G		
1/8"	17	22	3.18	17	22	3.18	19	25	6.35	6.4	6.7
1/4"	17	22	3.18	19	25	3.30	22	33	6.60	8.1	10.2
3/8"	19	25	3.18	22	33	3.51	25	38	6.98	9.1	10.4
1/2"	22	33	3.18	25	38	4.09	28	46	8.15	10.9	13.6
3/4"	25	38	3.18	28	46	4.32	33	56	8.53	12.7	13.9
1"	28	46	3.68	33	56	4.98	35	62	9.93	14.7	17.3
1-1/4"	33	56	3.89	35	62	5.28	43	75	10.59	17.0	18.0
1-1/2"	35	62	4.01	43	75	5.56	44	84	11.07	17.8	18.4
2"	43	75	4.27	44	84	7.14	52	102	12.09	19.0	19.2
2-1/2"	52	92	5.61	52	102	7.65	64	121	15.29	23.6	28.9
3"	64	109	5.99	64	121	8.84	79	146	16.64	25.9	30.5
4"	79	146	6.55	79	152	11.18	79	152	18.67	27.7	33.0

General Note: all dimensions are in millimeter

Note: H: outside diameter of band; **G**: body wall thickness; **C**: center-to-end of 45° elbow; **B**: minimum length of perfect thread; L_2: effective length of external thread.

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