Class 3000 Fittings Pressure Rating

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TABLE OF CONTENTS

Class 3000 Fittings Specification 3
Class 3000 Fittings Price List 4-5
Class 3000 Elbow Weight Chart 6
Dimensions Chart for Class 3000 Coupling 6-7
3000# Stainless Steel Fittings Welding Methods ..... 7 - 8
Suitable Environment for Class 3000 Stainless Steel Fittings 8
Class 3000 Fittings Wall Thickness Chart ..... 8 - 9
Benefits of Class 3000 Threaded Fittings 9
Popular Types of Class 3000 Fittings 10
ASME B16.11 Class 3000 Union Weight Chart 10
Class 3000 Fittings Pressure Rating In Psi 11
Class 3000 Fittings Pressure Rating In Bar 12
ASME B16.11 Class 3000 Manufacturing Process 12

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The Class 3000 fittings manufacturer in India which consists of multiple components that are made up of made of stainless steel, like 90 degree elbow, reducing tee & straight cross, steel pipe coupling, union, cap, & lateral. This Classes of fittings Which depicts the maximum pressure in equipment which is capable of handling

Manufacturer of 3000LB Elbow in Grade 304/316

Class 3000 Fittings Specification

Standard ASME B16.11	**Size Range** 1/8" - 24"	**Pressure Class** 3000# & 6000#
Installations Power Generation Water Treatment Chemical Process	**Raw Material** Round Bar Seamless Pipe	**Available Packaging** Carton Box Wooden Cases Wooden Pallet
End Connection Socket Weld Threaded	**Manufacturing Process** Free Forging	**Material** Stainless Steel Carbon Steel Alloy Steel

Purchase Class 3000 Threaded and Socket Weld Fittings at the Best Price in India

Class 3000 Fittings Price List

- Max. Operating Pressure : 3000 PSI
- Grade : ASTM A182 F304
- Material = Stainless Steel

Materials	Nominal Sizes (Inch)	Price in USD
Full Coupling	1/2"	US $2.43
Half-Coupling	1/4"	US $1.60
Tee	1/4"	US $5.74
Hex Plug	1/2"	US $3.30
Half-Coupling	3/4"	US $2.83
90 Deg Elbow	1"	US $11.40
Half-Coupling	1"	US $4.60
Cross	1/4"	US $9.20
Hex Bushing	1/2" x 1/4"	US $5.22
45 Elbow	3/4"	US $9.17

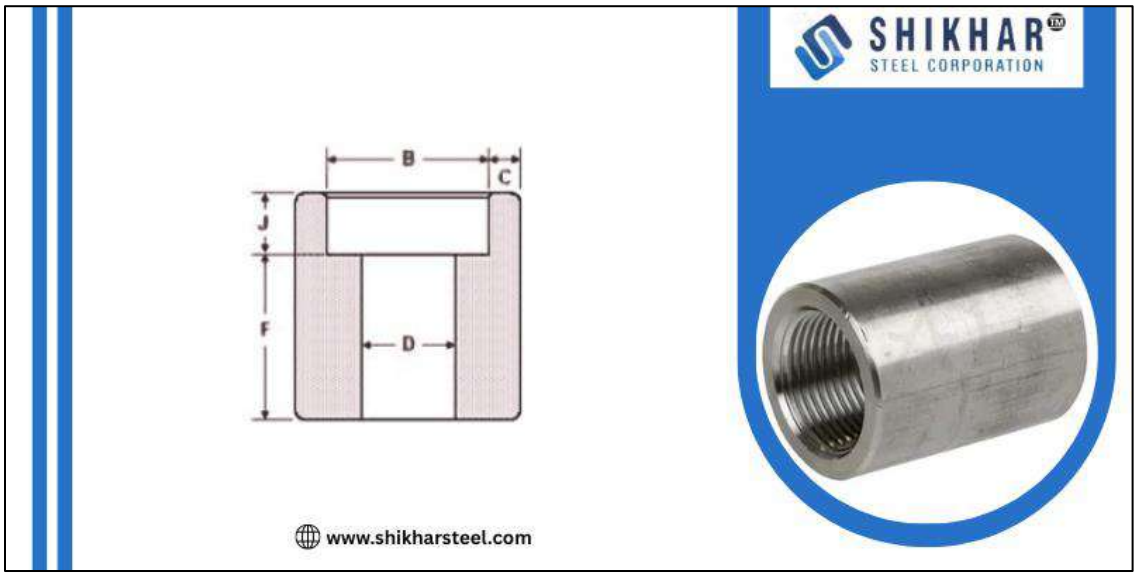
Materials	Nominal Sizes (Inch)	Price in USD
Hex Plug	1/4"	US $1.53
Full Coupling	1"	US $18.45
Cap	1/2"	US $3.20
Union	1/2"	US $14.42
Full Coupling	1-1/4"	US $12.82
Hex Plug	3/4"	US $3.42
Hex Bushing	3/4" x 1/2"	US $7.50
Union	1"	US $28.58
Reducing Coupling	1" x 1/2"	US $10.48
Half-Coupling	2"	US $14
Reducing Coupling	3/4" x 3/8"	US $9.3
Hex Bushing	3/4" x 1/2"	US $7.67
90 Deg Elbow	2"	US $35.11

Browse class 3000 Coupling Weight Chart and Dimensions as per ASME B16.11

Class 3000 Elbow Weight Chart

Coupling Weight in LB	Nominal Sizes (Inch)
8.30	4
6.24	3
3.55	2 1/2
2.38	2
1.33	1 1/2
1.24	1 1/4
0.75	1
0.46	3/4
0.32	1/2
0.18	3/8
0.13	1/4
0.10	1/8

Dimensions Chart for Class 3000 Coupling



Diameter Nominal	Normal Pipe Sizes (Inch)	B	C	D	F	J
		Socket Bore	Socket Wall Thickness	Bore Diameter	Half coupling	Depth Socket
100	4	115.80 115.45	10.70 9.35	103.8 100.7	47.5	19
80	3	90.15 89.80	9.50 8.30	79.5 46.4	44.5	16
65	2.1/2	74.20 73.80	8.75 7.65	64.2 61.2	42.5	16
50	2	61.35 61.10	6.95 6.05	53.5 51.7	41	16
40	1.1/2	48.90 48.65	6.35 5.55	41.7 40.1	32	13
32	1.1/4	42.80 42.55	6.05 5.30	35.8 34.3	30	13
25	1	34.05 33.80	5.70 5.00	27.4 25.9	29	13
20	3/4	27.30 27.05	4.90 4.25	21.7 20.2	23.5	13
15	1/2	21.95 21.70	4.65 4.10	16.6 15	22.5	10

3000# Stainless Steel Fittings Welding Methods

- Gas Tungsten Arc (GTAW)
- Gas Metal Arc Welding (GMAW)
- Electron Beam (EBW)
- Plasma Arc (PAW)

- Submerged Arc (SAW)
- Shielded Metal Arc (SMAW)

Suitable Environment for Class 3000 Stainless Steel Fittings

Class 3000 Fittings Wall Thickness Chart

Nominal Sizes (Inch)	Wall Thickness Minimum		Socket, Bore Dia. B
	3000#		
	Body G	Sock, C	
4	.337	.368	4.545 4.560
3	.300	.327	3.535 3.550
2-1/2	.276	.301	2.906 2.921
Nominal Sizes (Inch)	Wall Thickness Minimum		Socket, Bore Dia. B

	3000#		
	Body G	Sock, C	
2	.218	.238	2.406 2.416
1-1/2	.200	.218	1.915 1.925
1-1/4	.191	.208	1.675 1.685
1	.179	.196	1.330 1.340
3/4	.154	.168	1.065 1.075
1/2	.147	.161	.855 .865
3/8	.126	.138	.690 .700
1/4	.119	.130	.555 .565
1/8"	.095	.125	.420 .430

Benefits of Class 3000 Threaded Fittings

- Easy to Install
- Costly Effective
- Versatile
- Male/ Female Coupling that Help to repair any Leaking Pipe
- Durability
- Thread Coupling Which Are Used to Change the Sizes of Pipe

Popular Types of Class 3000 Fittings

Class 3000 Elbow

Class 3000 Tee

3000 PSI Coupling

3000 LB Union

3000M Plug

Class 3000 Bushing

ASME B16.11 Class 3000 Union Weight Chart

Weight (Lb)	Nominal Sizes (Inch)
12.98	3"
8.77	2 1/2"
5.81	2"
3.64	1 1/2"
2.88	1 1/4"
1.80	1"
Weight (Lb)	Nominal Sizes (Inch)

1.25	3/4"
0.79	1/2"
0.54	3/8"
0.38	1/4"
0.41	1/8"

Class 3000 Fittings Pressure Rating In Psi

Temperature (°F)	Pressure Rating (Psi)
1000	1920
900	2040
800	2160
700	2280
600	2400
500	2520
400	2640
300	2760
200	2880
100	3000

Class 3000 Fittings Pressure Rating In Bar

Temperature (°F)	Pressure Rating (Bar)
1000	132.00
900	140.28
800	148.56
700	156.84
600	165.12
500	173.48
400	181.76
300	190.54
200	198.86
100	206.84

ASME B16.11 Class 3000 Manufacturing Process

- Putting Pressure
- Heating Billet Which Uses Dies
- Cutting Process
- Heated Billet

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