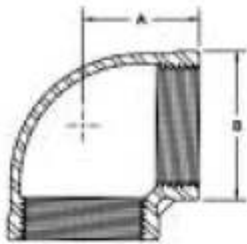




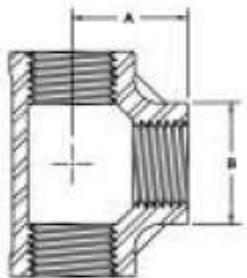
# IPS INDUSTRIAL CLASS 150 THREADED FITTINGS

Stainless Steel • Monel • Nickel • Alloy 20 • Available in all special alloys and many other ferrous and non-ferrous metals



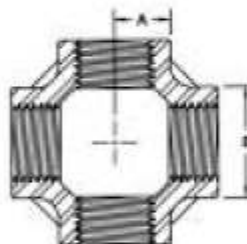
**CLASS 150 90° ELBOWS**

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	11/16	13/16	15/16	1-1/8	1-5/16	1-1/2	1-3/4	1-15/16	2-1/4	2-11/16	3-1/15	3-13/16
Dimension B	3/4	27/32	1-1/64	1-7/32	1-1/2	1-13/16	2-3/16	2-1/2	3	3-1/2	4-1/8	5-1/8
Approx. Wt. #	.13	.10	.14	.26	.45	.88	1.25	1.68	2.68	5.10	7.00	10.80



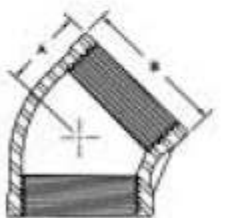
**CLASS 150 TEES**

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	11/16	13/16	15/16	1-1/8	1-5/16	1-1/2	1-3/4	1-15/16	2-1/4	2-11/16	3-1/15	3-13/16
Dimension B (min)	3/4	27/32	1-1/64	1-7/32	1-1/2	1-13/16	2-3/16	2-1/2	3	3-1/2	4-1/8	5-1/8
Approx. Wt. #	.19	.13	.20	.38	.57	1.15	1.69	2.16	3.70	6.65	9.20	17.00



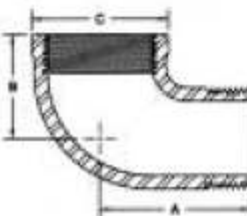
**CLASS 150 CROSSES**

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	11/16	13/16	15/16	1-1/8	1-5/16	1-1/2	1-3/4	1-15/16	2-1/4	2-11/16	3-1/16	3-13/16
Dimension B	7/8	27/32	1-1/64	1-7/32	1-1/2	1-13/16	2-3/16	2-1/2	3	3-1/2	4-1/8	5-1/8
Approx. Wt. #	.35	.29	.38	.79	1.12	1.28	2.08	3.00	4.36	7.10	11.00	19.20



**CLASS 150 45° ELBOWS**

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	11/16	11/16	13/16	7/8	1	1-1/8	1-5/16	1-7/16	1-11/16	1-15/16	2-3/16	2-5/8
Dimension B	3/4	27/32	1-1/64	1-1/8	1-1/2	1-13/16	2-3/16	2-1/2	3	3-1/2	4-1/8	5-1/8
Approx. Wt. #	.12	.16	.11	.24	.36	.66	.98	1.52	2.36	4.08	5.76	10.10



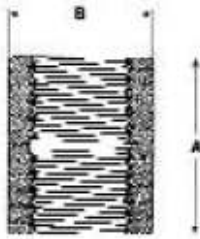
**CLASS 150 STREET ELBOWS**

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	1-1/16	1-3/16	1-7/16	1-5/8	1-7/8	2-1/8	2-1/2	2-3/4	3-1/4	3-7/8	4-1/2	5-11/16
Dimension B	3/4	13/16	31/32	1-1/8	1-5/16	1-1/2	1-3/4	1-15/16	2-1/4	2-11/16	3-13/16	3-13/16
Dimension C	3/4	7/8	1-1/64	1-7/32	1-1/2	1-13/16	2-3/16	2-1/2	3	3-1/2	4-1/8	5-1/8
Approx. Wt. #	.09	.15	.20	.32	.51	.82	1.24	1.94	2.90	4.80	8.00	12.40



# IPS INDUSTRIAL CLASS 150 THREADED FITTINGS

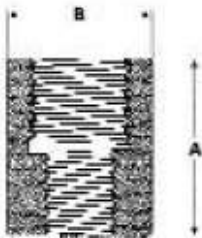
Stainless Steel • Monel • Nickel • Alloy 20 • Available in all special alloys and many other ferrous and non-ferrous metals



### CLASS 150 COUPLINGS

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	1	1-1/8	1-3/16	1-1/2	1-9/16	1-3/4	2	2-1/8	2-1/2	2-7/8	3-3/16	3-11/16
Dimension B	9/16	3/4	7/8	1-1/16	1-5/16	1-5/8	1-15/16	2-3/16	2-3/4	3-3/8	4-1/8	5-1/8
Approx. Wt. #	.04	.08	.10	.18	.27	.43	.58	.70	1.31	2.51	4.18	6.18

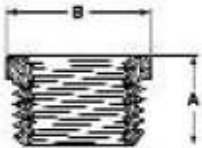
Half Coupling approximately one half length of Full Coupling



### CLASS 150 REDUCER COUPLINGS • WEIGHT # REFERS TO FULL COUPLINGS ONLY

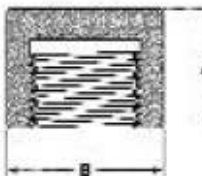
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	-	1-1/8	1-3/16	1-1/2	1-9/16	1-3/4	2	2-1/8	2-1/2	3-1/4	3-11/16	4-3/8
Dimension B	-	3/4	7/8	1-1/16	1-5/16	1-5/8	1-15/16	2-3/16	2-3/4	3-3/8*	4-1/8*	5-1/8*
Approx. Wt. #	-	.08	.10	.18	.27	.43	.58	.70	1.31	2.51	4.18	6.18

\* Bell Reducers 2 1/2" to 4" inclusive



### CLASS 150 HEX BUSHINGS

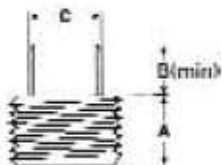
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	-	21/32	3/4	13/16	15/16	1-1/16	1-3/16	1-1/4	1-3/8	1-7/8	1-7/8	2-1/8
Dimension B	-	5/8	11/16	7/8	1-1/16	1-3/8	1-3/4	2	2-1/2	3-1/8	3-13/16	5
Approx. Wt. #	-	.03	.05	.08	.16	.35	.58	.85	1.26	1.48	2.14	4.28



### CLASS 150 CAPS

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	11/16	11/16	13/16	15/16	1-1/16	1-5/16	1-5/8	1-5/8	1-3/4	2-1/8	2-3/8	2-5/8
Dimension B	9/16	3/4	7/8	1-1/16	1-5/16	1-5/8	2-15/16	2-3/16	2-3/4	3-3/8	4-1/8	5-1/8
Approx. Wt. #	.03	.06	.09	.14	.24	.40	.74	.91	1.35	2.05	3.36	6.40

Note: 1 1/4" through 2" Caps are hexagonal.



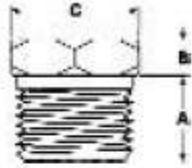
### CLASS 150 PLUGS, SQUARE HEAD, SOLID BAR

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	3/8	7/16	1/2	9/16	5/8	3/4	13/16	13/16	7/8	1-1/16	1-1/8	1-1/4
Dimension B (min)	9/16	3/4	7/8	1-1/16	1-5/16	1-5/8	2-15/16	2-3/16	2-3/4	3-3/8	4-1/8	5-1/8
Dimension C	9/32	3/8	7/16	9/16	5/8	13/16	15/16	1-1/8	1-5/16	1-1/2	1-11/16	2-1/2
Approx. Wt. #	.02	.03	.06	.12	.19	.31	.58	.88	1.50	2.20	2.90	7.2



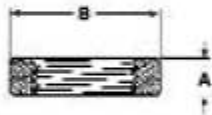
## IPS INDUSTRIAL CLASS 150 THREADED FITTINGS

Stainless Steel • Monel • Nickel • Alloy 20 • Available in all special alloys and many other ferrous and non-ferrous metals



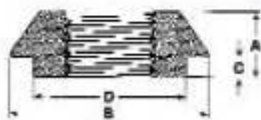
### CLASS 150 PLUGS, HEX HEAD – NOT AVAILABLE IN MONEL, NICKEL, OR ALLOY 20, SOLID BAR

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	3/8	7/16	1/2	9/16	5/8	3/4	13/16	13/16	7/8	-	-	-
Dimension B	1/4	1/4	5/16	5/16	3/8	3/8	9/16	5/8	11/16	-	-	-
Dimension C	7/16	5/8	11/16	7/8	1-1/16	1-3/8	1-3/4	2	2-1/2	-	-	-
Approx. Wt. #	.03	.05	.09	.15	.26	.47	.93	1.24	2.26	-	-	-



### CLASS 150 LOCKNUTS - NOT AVAILABLE IN MONEL, NICKEL, OR ALLOY 20

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Dimension A	3/16	1/4	9/32	5/16	11/32	3/8	7/16	15/32	17/32	19/32	11/16	13/16
Dimension B	7/8	7/8	1-1/16	1-3/16	1-1/2	1-3/4	2-1/8	2-1/2	2-7/8	3-1/2	4-9/32	5-3/8
Approx. Wt. #	.03	.03	.05	.06	.10	.14	.21	.34	.44	.80	1.30	2.00



### CLASS 150 WELDING SPUD - NOT AVAILABLE IN MONEL, NICKEL, OR ALLOY 20

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Dimension A	27/64	1/2	1/2	19/32	21/32	25/32	3/4	7/8	15/16	1	1	1-1/8
Dimension B	1-3/8	1-1/2	1-5/8	1-3/4	1-15/16	2-3/16	2-11/16	3	3-1/2	4-1/16	4-5/8	5-13/16
Dimension C	3/64	1/8	1/8	5/32	5/32	3/16	3/16	5/16	3/16	3/16	3/16	3/16
Dimension D	27/32	31/32	31/32	1-5/32	1-11/32	1-23/32	1-15/16	2-5/16	2-11/16	3-3/16	3-11/16	4-3/4
Approx. Wt. #	.06	.10	.10	.14	.25	.33	.49	.55	.63	1.18	1.30	1.95