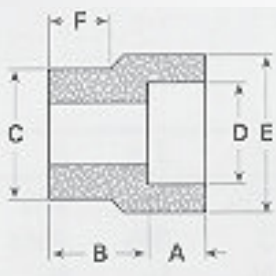


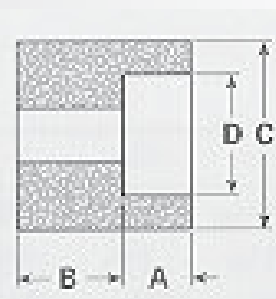
SOCKET WELD FITTINGS

REDUCER INSERTS MSS-SP-79

ASTM / ANSI A/SA105
ASME B 16.11



Type 1



Type 2

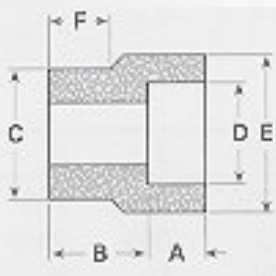
Class 3000 - Schedule 40 BORE FOR USE WITH SCHEDULE 40 OR 80 PIPE

Pipe Size	Type	A	B	C	D	E	F
1/2 x 3/8	1	7/16	13/16	0.840	0.695	1 1/16	5/8
1/2 x 1/4	1	3/8	13/16	0.840	0.560	7/8	5/8
1/2 x 1/8	1	3/8	13/16	0.840	0.425	7/8	11/16
3/4 x 1/2	1	1/2	7/8	1.050	0.860	1 1/4	11/16
3/4 x 3/8	2	7/16	5/8	1.050	0.695	---	---
3/4 x 1/4	2	3/8	11/16	1.050	0.560	---	---
3/4 x 1/8	2	3/8	11/16	1.050	0.425	---	---
1 x 3/4	1	9/16	15/16	1.313	1.070	1 1/2	3/4
1 x 1/2	2	1/2	5/8	1.313	0.860	---	---
1 x 3/8	2	7/16	11/16	1.313	0.695	---	---
1 x 1/4	2	3/8	3/4	1.313	0.560	---	---
1 1/4 x 1	1	9/16	1	1.665	1.335	1 7/8	13/16
1 1/4 x 3/4	1	9/16	11/16	1.665	1.070	1 3/4	13/16
1 1/4 x 1/2	1	7/16	3/4	1.665	0.860	1 3/4	13/16
1 1/2 x 1 1/4	1	1/2	1 1/8	1.900	1.680	2 3/16	7/8
1 1/2 x 1	1	1/2	11/16	1.900	1.335	2	7/8
1 1/2 x 3/4	1	1/2	3/4	1.900	1.070	2	7/8
1 1/2 x 1/2	1	3/8	13/16	1.900	0.860	2	7/8
2 x 1 1/2	1	1/2	1 1/4	2.375	1.920	2 1/2	1
2 x 1 1/4	1	1/2	13/16	2.375	1.680	2 1/2	1
2 x 1	1	1/2	7/8	2.375	1.335	2 1/2	1
2 x 3/4	1	1/2	15/16	2.375	1.070	2 1/2	1
2 x 1/2	1	3/8	1	2.375	0.860	2 1/2	1

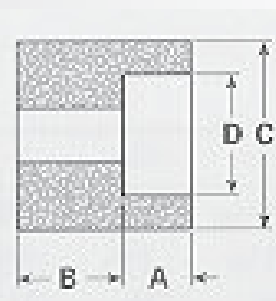
SOCKET WELD FITTINGS

REDUCER INSERTS MSS-SP-79

ASTM / ANSI A/SA105
ASME B 16.11



Type 1



Type 2

Class 6000 - Schedule 160 BORE FOR USE WITH SCHEDULE 160 PIPE

Pipe Size	Type	A	B	C	D	E	F
1/2 x 3/8	1	7/16	13/16	0.840	0.695	1 1/8	5/8
1/2 x 1/4	1	3/8	13/16	0.840	0.560	1	5/8
1/2 x 1/8	1	3/8	13/16	0.840	0.425	7/8	11/16
3/4 x 1/2	1	1/2	1	1.050	0.860	1 3/8	3/4
3/4 x 3/8	2	7/16	5/8	1.050	0.695	---	---
3/4 x 1/4	2	3/8	7/8	1.050	0.560	---	---
3/4 x 1/8	2	3/8	11/16	1.050	0.425	---	---
1 x 3/4	1	9/16	1 1/8	1.313	1.070	1 3/4	13/16
1 x 1/2	1	1/2	1 1/8	1.313	0.860	1 3/8	13/16
1 x 3/8	2	7/16	7/8	1.313	0.695	---	---
1 x 1/4	2	3/8	15/16	1.313	0.560	---	---
1 1/4 x 1	1	5/8	1 3/16	1.665	1.335	2	7/8
1 1/4 x 3/4	2	9/16	13/16	1.665	1.070	1 3/4	7/8
1 1/4 x 1/2	2	1/2	7/8	1.665	0.860	1 3/4	7/8
1 1/2 x 1 1/4	1	11/16	1 3/8	1.900	1.680	2 1/2	1
1 1/2 x 1	1	5/8	1 1/16	1.900	1.335	2	1
1 1/2 x 3/4	2	9/16	1	1.900	1.070	2	1
1 1/2 x 1/2	2	1/2	1 1/16	1.900	0.860	2	1
2 x 1 1/2	1	3/4	11/16	2.375	1.920	2 3/4	1 1/8
2 x 1 1/4	2	11/16	15/16	2.375	1.680	---	---
2 x 1	2	5/8	1	2.375	1.335	---	---
2 x 3/4	2	9/16	1 1/16	2.375	1.070	---	---
2 x 1/2	2	1/2	1	2.375	0.860	---	---