



FIG. 310

Pipe Covering Protection Saddle

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

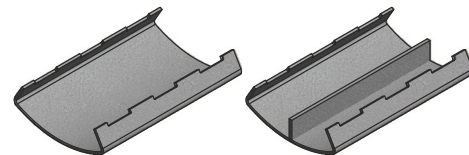
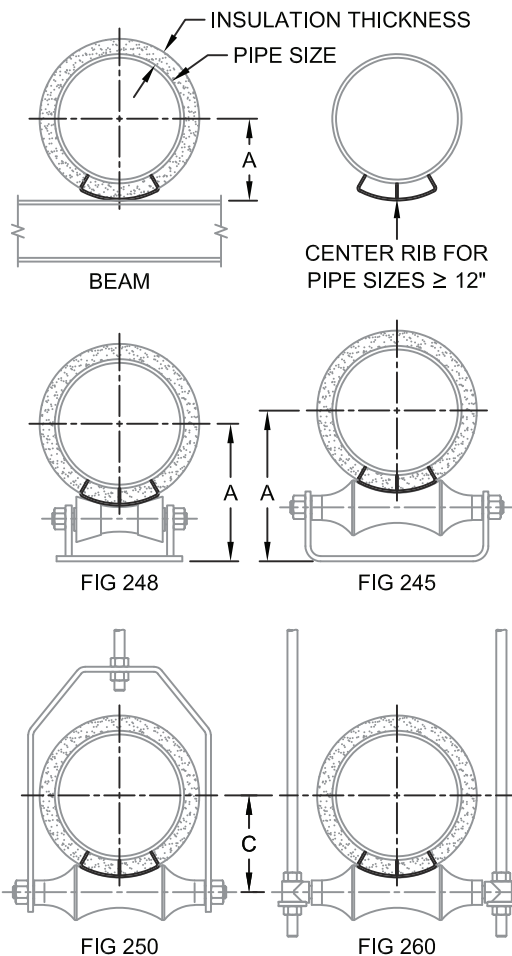


FIG. 310 1" Insulation Thickness											
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
3/4	1 1/8	4 1/8	2-3 1/2	3 3/4	3	2 1/16	3	2 1/16	3	1.46	1200
1	1 13/16	4 1/4	2-3 1/2	3 15/16	3	2 3/16	3	2 3/16	3	1.46	1200
1 1/4	2	4 7/16	2-3 1/2	4 1/16	3	2 5/8	3	2 5/8	3	1.46	1200
1 1/2	2 1/16	4 5/8	4-6	4 3/16	3	2 5/8	4	2 1/2	3	1.46	1200
2	2 5/16	4 7/8	4-6	5 1/16	4	2 7/8	4	2 7/8	4	1.43	1200
2 1/2	2 9/16	5 1/8	4-6	5 3/8	4	3 3/16	5	3 3/8	4	1.43	1200
3	2 3/8	5 1/16	4-6	5 15/16	5	3 7/16	5	3 7/16	5	1.78	1200
3 1/2	3 1/8	5 11/16	4-6	6 3/16	5	3 3/4	6	3 11/16	5	1.99	1200
4	3 7/16	6	4-6	6 7/16	5	4	6	4	5	1.99	1800
5	4	6 9/16	4-6	7 1/16	6	4 11/16	7	4 5/8	6	1.99	1800
6	4 1/2	8 3/4	8-10	8 5/16	8	5 3/8	8	5 3/8	8	3.94	1800
8	5 1/2	9 13/16	8-10	9 15/16	10	6 1/2	10	6 3/8	10	4.59	1800
10	6 11/16	11	8-10	11 1/8	10	8 1/16	12	7 11/16	12	4.59	1800
12	7 7/16	12 1/2	12-14	13 3/8	14	9	16	9	14	7.19	5000
14	8 1/4	13 3/16	12-14	15	16	9 9/16	16	9 11/16	16	7.19	5000
16	9 3/16	14 11/16	16-20	16 7/16	18	10 9/16	20	10 1/2	18	7.53	5000
18	10 3/16	15 11/16	16-20	18 1/16	20	11 5/8	20	11 5/8	20	8.05	5000
20	11 3/16	16 3/4	22-24	20 7/8	24	13 1/16	24	13 1/16	24	9.26	7200
24	13 3/16	19 9/16	30	24	30	-	-	15 5/16	30	10.7	7200
30	16 3/16	22 3/4	30	-	-	-	-	-	-	13.7	7200
36	19 3/16	26 11/16	36-42	-	-	-	-	-	-	16.0	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50

- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



RECOMMENDED MIN FIELD WELDING

±3" RECOMMENDED MAX AXIAL TRAVEL

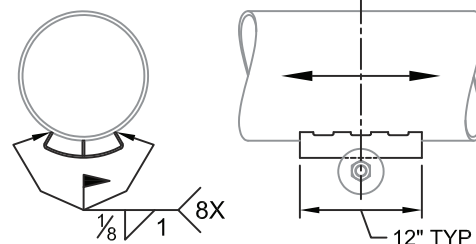




FIG. 315

Pipe Covering Protection Saddle

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (ASTM A36) or Stainless Steel (ASTM A240) Types 304 and 316
- MAX TEMP:** 650°F for BLK, 350°F for HDG, 1000°F for Stainless Steel (SS)
- FINISH:** Black (BLK) or Hot-Dip Galvanized (HDG) meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, insulation size, material and finish.⁽³⁾

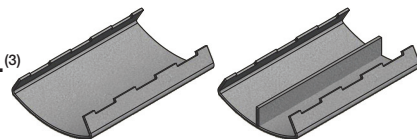
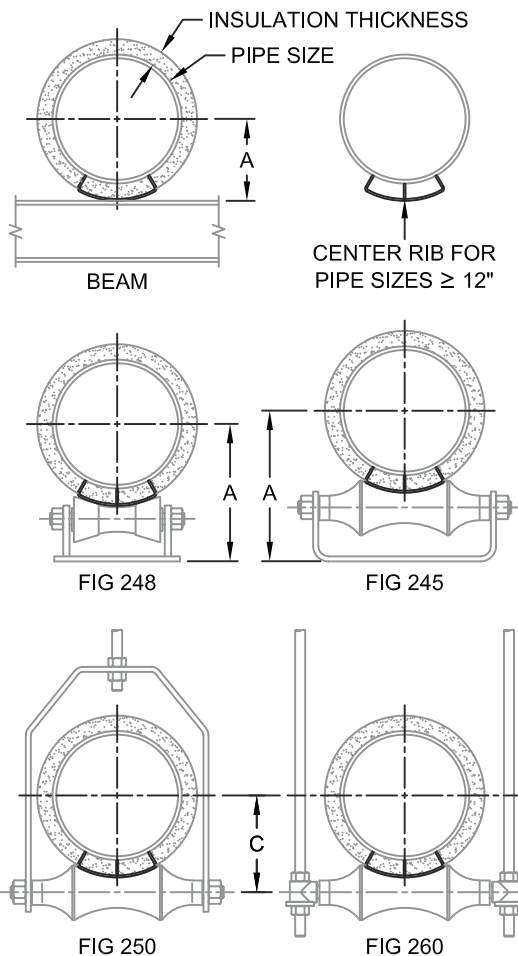
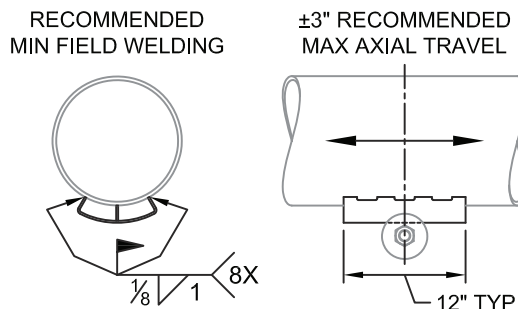


FIG. 315 1½" Insulation Thickness											
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WGT EA	MAX LOAD
¾	2⅝	4⅞	4-6	4⅞	3	2⅞	4	2⅞	3	1.81	1200
1	2⅞	4⅞	4-6	4⅞	3	2⅞	4	2⅞	3	1.81	1200
1¼	2½	5	4-6	5¼	4	3⅞	5	3	4	1.81	1200
1½	2⅝	5⅞	4-6	5⅞	4	3⅞	5	3⅞	4	1.81	1200
2	2⅞	5⅞	4-6	5⅞	5	3⅞	5	3⅞	5	1.99	1200
2½	3⅞	5⅞	4-6	6⅞	5	3⅞	6	3⅞	5	2.13	1200
3	3⅞	6	4-6	6⅞	5	4⅞	6	4	5	2.13	1800
3½	3⅞	6⅞	4-6	7	6	4⅞	7	4¼	6	2.19	1800
4	3⅞	6⅞	4-6	7¼	6	4⅞	7	4⅞	6	2.19	1800
5	4½	7⅞	4-6	8	7	5⅞	8	5⅞	7	2.19	1800
6	5	9¼	8-10	9⅞	10	5⅞	10	5⅞	10	4.99	1800
8	6	10⅞	8-10	10⅞	10	7	12	6⅞	10	5.52	1800
10	7⅞	11½	8-10	12⅞	12	8⅞	14	8⅞	12	5.52	1800
12	8⅞	13	12-14	14⅞	16	9½	16	9½	16	8.07	5000
14	8¾	14⅞	16-20	15½	16	10⅞	18	10¼	16	8.07	5000
16	9⅞	15⅞	16-20	17	18	11⅞	20	11⅞	18	9.26	5000
18	10⅞	16¼	22-24	18⅞	20	12⅞	24	12⅞	20	9.55	5000
20	11⅞	17⅞	22-24	21⅞	24	13⅞	24	13⅞	24	10.5	7200
24	13⅞	20⅞	30	24½	30	-	-	15⅞	30	11.3	7200
30	16⅞	24⅞	36-42	-	-	-	-	-	-	15.8	7200
36	19⅞	27⅞	36-42	-	-	-	-	-	-	17.2	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50

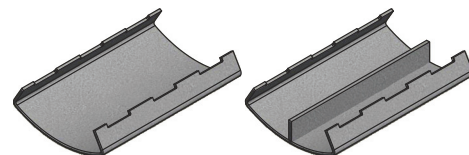


1. Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
2. Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
3. For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
4. Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
5. For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



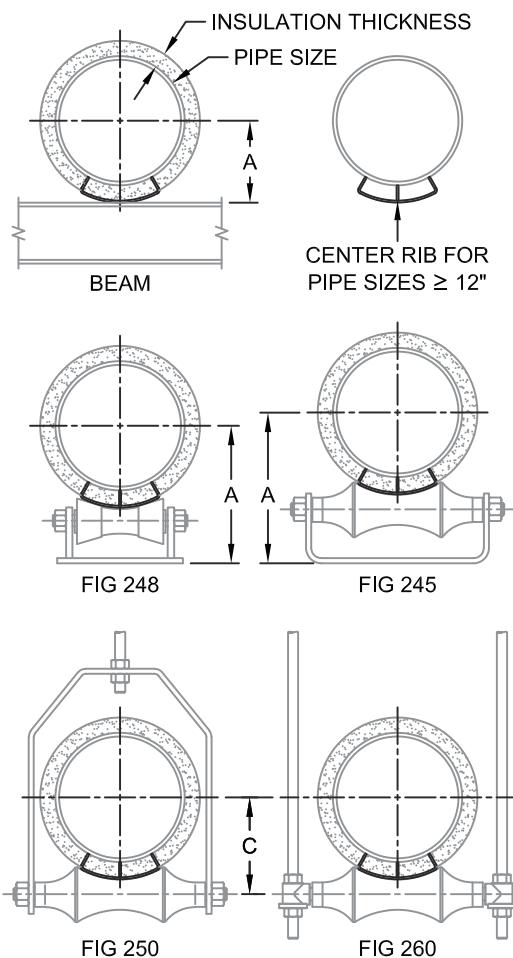
**FIG. 320****Pipe Covering Protection Saddle**

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

**FIG. 320 2" Insulation Thickness**

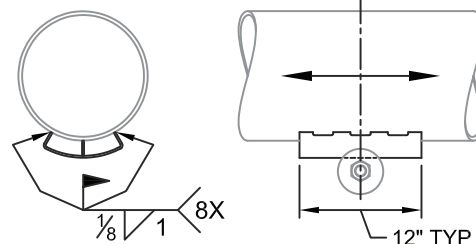
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
3/4	2 5/8	5 1/8	4-6	5 11/16	5	3 1/4	5	3 1/4	5	2.49	1200
1	2 11/16	5 5/8	4-6	5 7/8	5	3 3/8	5	3 3/8	5	2.49	1200
1 1/4	3	5 9/16	4-6	6 1/16	5	3 9/16	5	3 9/16	5	2.49	1200
1 1/2	3 1/8	5 5/8	4-6	6 1/8	5	3 11/16	6	3 11/16	5	2.70	1800
2	3 5/8	5 15/16	4-6	6 3/8	5	3 15/16	6	3 15/16	5	2.70	1800
2 1/2	3 3/4	6 1/16	4-6	6 11/16	5	4 1/16	7	4 1/4	6	2.70	1800
3	3 7/8	6 1/2	4-6	7 1/4	6	4 9/16	7	4 9/16	7	2.99	1800
3 1/2	4 3/16	6 3/4	4-6	7 11/16	7	5	8	4 13/16	7	2.99	1800
4	4 7/16	7	4-6	7 15/16	7	5 1/4	8	5 1/8	7	2.99	1800
5	5	7 9/16	4-6	8 13/16	8	5 5/8	10	5 7/8	8	2.99	1800
6	5 1/2	9 3/16	8-10	9 15/16	10	6 3/8	10	6 3/8	10	5.46	1800
8	6 1/2	11 3/8	12-14	11 11/16	12	7 7/16	12	7 9/16	12	6.28	1800
10	7 7/16	12 1/2	12-14	13 3/8	14	9	16	9	14	7.01	1800
12	8 7/16	14	16-20	15 5/8	16	9 9/16	18	10 1/16	16	9.90	5000
14	9 1/4	14 11/16	16-20	16 1/8	16	10 9/16	18	10 13/16	16	9.90	5000
16	10 3/16	15 11/16	16-20	18 1/16	20	11 5/8	20	11 5/8	20	10.2	5000
18	11 1/16	16 3/4	22-24	20 7/16	24	13 1/16	24	13 1/16	24	10.9	7200
20	12 3/16	17 13/16	22-24	21 15/16	24	-	-	14 1/16	24	11.5	7200
24	14 3/16	20 5/8	30	25	30	-	-	16 5/16	30	12.7	7200
30	17 3/16	24 5/8	36-42	-	-	-	-	-	-	17.6	7200
36	20 3/16	27 3/4	36-42	-	-	-	-	-	-	19.4	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50



RECOMMENDED MIN FIELD WELDING

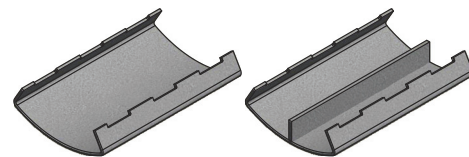
±3" RECOMMENDED MAX AXIAL TRAVEL



- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.

**FIG. 325****Pipe Covering Protection Saddle**

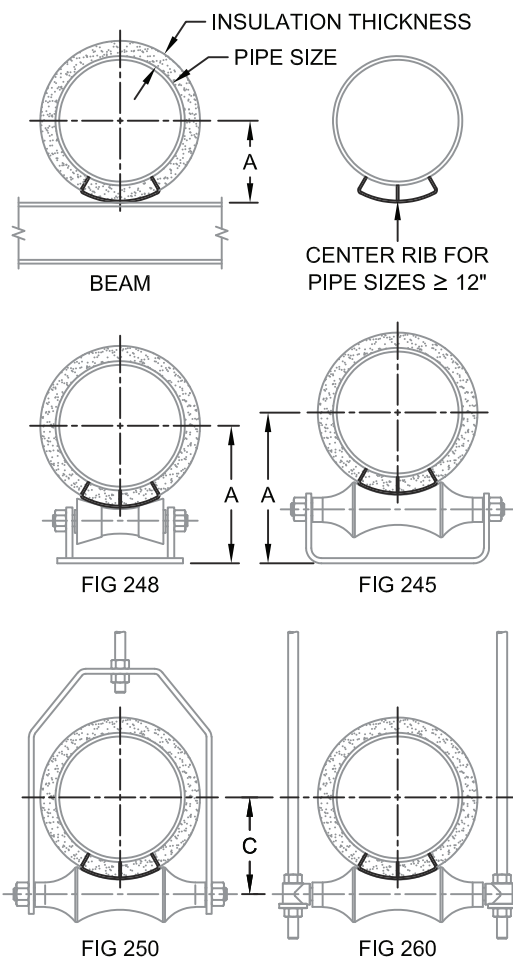
- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

**FIG. 325 2½" Insulation Thickness**

PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
¾	3/8	5/8	4-6	6 3/16	5	3 3/4	6	3 3/4	5	3.10	1200
1	3 1/16	5/8	4-6	6 3/8	5	3 15/16	6	3 3/8	5	3.10	1200
1 ¼	3 1/16	6 1/16	4-6	6 1 1/16	6	4 1/16	6	4 1/16	6	3.09	1200
1 ½	3 3/16	6 3/16	4-6	6 15/16	6	4 1/4	7	4 3/16	6	3.09	1800
2	3 7/8	6 1/16	4-6	7 3/16	6	4 9/16	7	4 7/16	6	3.09	1800
2 ½	4 1/16	6 1 1/16	4-6	7 3/8	7	4 15/16	8	4 3/4	7	3.32	1800
3	4 7/16	7	4-6	7 15/16	7	5 1/4	8	5 1/8	7	3.32	1800
3 ½	4 5/8	8 7/8	8-10	8 1/2	8	5 1/2	10	5 1/2	8	3.69	1800
4	4 15/16	9 3/16	8-10	8 3/4	8	5 3/4	10	5 13/16	8	3.69	1800
5	5 1/2	9 3/4	8-10	9 15/16	10	6 1/2	12	6 1/16	10	3.69	1800
6	6	10 5/16	8-10	10 1/2	10	7	12	6 15/16	10	6.18	1800
8	7	11 15/16	12-14	12 1/4	12	8 3/8	14	8 3/16	12	6.82	1800
10	8 1/16	13 1/2	16-20	14 3/16	16	9 1/2	16	9 1/2	16	7.14	1800
12	9 1/16	14 1/2	16-20	16 1/16	18	10 3/8	18	10 3/8	18	11.1	5000
14	9 3/4	15 1/4	16-20	17	18	11 3/16	20	11 1/16	18	11.1	5000
16	10 1 1/16	16 1/4	22-24	18 3/8	20	12 3/16	24	12 3/16	20	11.9	7200
18	11 1 1/16	17 3/16	22-24	21 3/8	24	13 3/16	24	13 3/16	24	12.5	7200
20	12 1 1/16	19 1/16	30	23 1/2	30	-	-	14 13/16	30	13.1	7200
24	14 1 1/16	21 3/16	30	25 1/2	30	-	-	16 13/16	30	14.6	7200
30	17 1 1/16	25 3/16	36-42	-	-	-	-	-	-	20.1	7200
36	20 1 1/16	28 3/4	36-42	-	-	-	-	-	-	21.6	7200

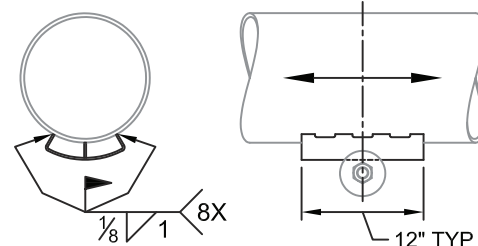
SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50

- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



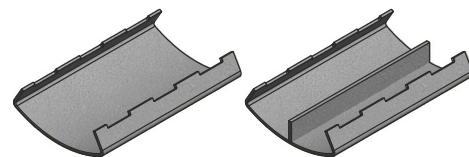
RECOMMENDED MIN FIELD WELDING

±3" RECOMMENDED MAX AXIAL TRAVEL



**FIG. 330****Pipe Covering Protection Saddle**

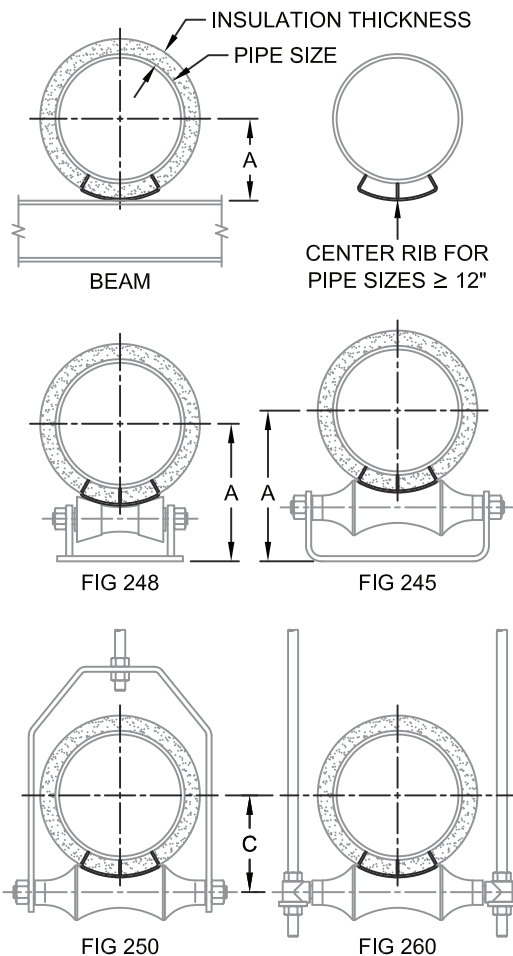
- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

**FIG. 330 3" Insulation Thickness**

PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
3/4	3 3/8	6 1/4	4-6	7	6	4 5/16	7	4 5/16	6	3.90	1200
1	3 13/16	6 3/8	4-6	7 1/8	6	4 1/2	7	4 7/16	6	3.90	1200
1 1/4	4	6 9/16	4-6	7 5/16	6	4 11/16	7	4 3/8	6	3.90	1200
1 1/2	4 1/8	6 11/16	4-6	7 7/16	6	4 15/16	8	4 13/16	7	3.90	1800
2	4 5/16	6 5/16	4-6	8 1/8	8	5 3/16	8	5 3/16	8	4.20	1800
2 1/2	4 9/16	8 3/16	8-10	8 7/16	8	5 5/16	10	5 5/16	8	4.20	1800
3	4 7/8	9 1/8	8-10	9 5/16	10	5 3/4	10	5 3/4	10	4.50	1800
3 1/2	5 3/16	9 7/16	8-10	9 9/16	10	6	10	6	10	4.50	1800
4	5 5/16	9 11/16	8-10	9 7/8	10	6 1/4	10	6 1/4	10	4.50	1800
5	6	10 1/4	8-10	10 7/16	10	7	12	6 3/8	10	4.50	1800
6	6 1/2	11 3/8	12-14	11 11/16	12	7 9/16	12	7 7/16	12	7.70	1800
8	7 3/8	12 1/2	12-14	13 3/16	14	9 1/16	16	9	14	7.70	1800
10	8 3/16	14	16-20	15 3/8	16	9 9/16	18	10 1/16	16	9.05	1800
12	9 3/16	15 1/16	16-20	16 3/8	18	10 15/16	20	10 15/16	18	11.6	5000
14	10 1/4	15 3/4	16-20	17 9/16	18	11 11/16	20	11 13/16	20	11.6	5000
16	11 3/16	16 3/4	22-24	20 7/8	24	13 1/16	24	13 1/16	24	12.7	7200
18	12 3/16	17 13/16	22-24	21 15/16	24	-	-	14 1/16	24	13.3	7200
20	13 3/16	19 3/16	30	24	30	-	-	15 3/16	30	14.0	7200
24	15 3/16	21 11/16	30	26	30	-	-	17 3/8	30	15.3	7200
30	18 3/16	25 11/16	36-42	-	-	-	-	-	-	20.1	7200
36	21 3/16	28 3/4	36-42	-	-	-	-	-	-	21.9	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50

- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



**FIG. 335****Pipe Covering Protection Saddle**

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

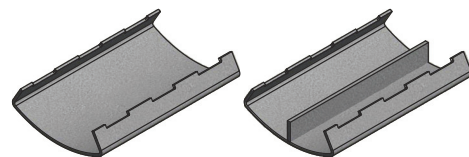
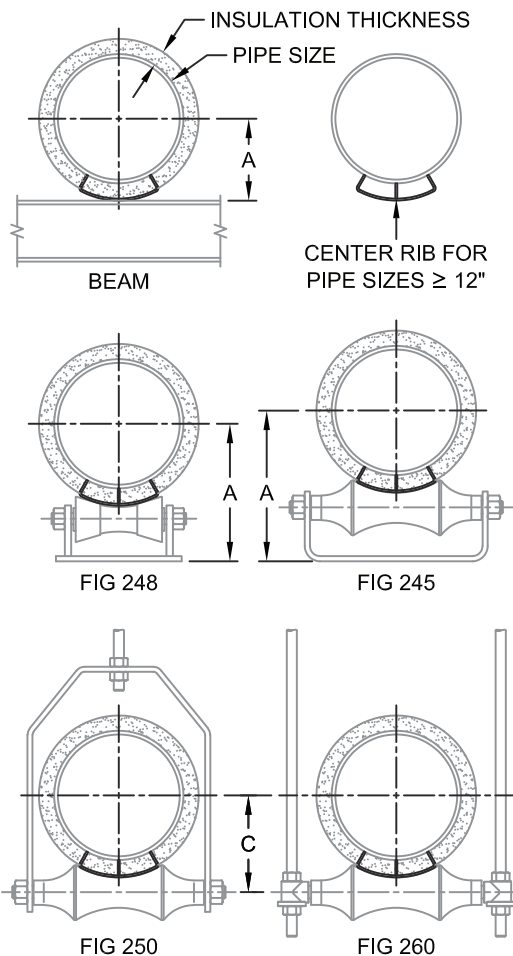


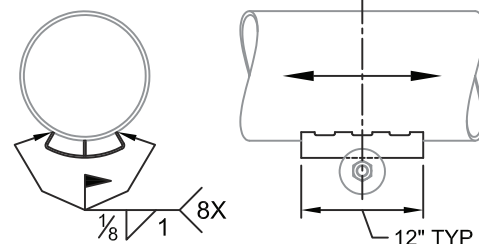
FIG. 335 3 1/2" Insulation Thickness											
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
1	4 5/16	8 1/2	8-10	7 7/8	7	5 1/8	8	5	7	4.62	1200
1 1/4	4 1/2	8 3/4	8-10	8 1/16	7	5 5/16	8	5 1/4	7	4.62	1200
1 1/2	4 5/8	8 7/8	8-10	8 3/16	7	5 7/16	10	5 5/16	8	4.62	1800
2	4 13/16	9 1/16	8-10	9 1/4	10	5 11/16	10	5 11/16	10	5.04	1800
2 1/2	5 1/8	9 3/8	8-10	9 5/16	10	5 5/8	10	5 15/16	10	5.04	1800
3	5 5/16	9 11/16	8-10	9 7/8	10	6 1/4	10	6 1/4	10	5.04	1800
4	5 7/8	10 3/16	8-10	11	12	6 7/8	12	6 7/8	12	5.80	1800
5	6 1/2	10 3/4	8-10	11 1/16	12	7 1/16	14	7 1/2	12	5.80	1800
6	7	11 15/16	12-14	12 1/4	12	8 3/8	14	8 3/16	12	8.81	1800
8	8 1/8	13 1/2	16-20	14 1/8	16	9 9/16	16	9 9/16	16	8.81	1800
10	9 1/16	14 1/2	16-20	16 1/16	18	10 3/8	18	10 3/8	18	10.4	1800
12	10 1/16	15 9/16	16-20	17 7/8	20	11 1/16	20	11 1/16	20	12.4	5000
14	10 3/4	16 5/16	22-24	18 5/8	20	12 5/8	24	12 3/16	20	12.4	5000
16	11 11/16	17 3/16	22-24	21 3/8	24	13 3/16	24	13 3/16	24	14.7	7200
18	12 11/16	19 1/16	30	22 1/2	24	-	-	14 11/16	24	15.0	7200
20	13 11/16	20 3/4	30	24 1/2	30	-	-	15 13/16	30	15.7	7200
24	15 11/16	22 3/8	30	26 3/8	30	-	-	17 15/16	30	17.2	7200
30	18 11/16	26 3/16	36-42	-	-	-	-	-	-	22.0	7200
36	21 11/16	29 3/4	36-42	-	-	-	-	-	-	23.8	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50



RECOMMENDED
MIN FIELD WELDING

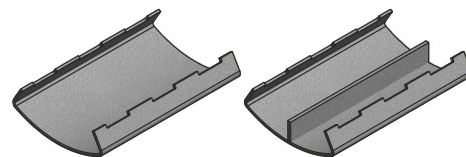
±3" RECOMMENDED
MAX AXIAL TRAVEL



- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.

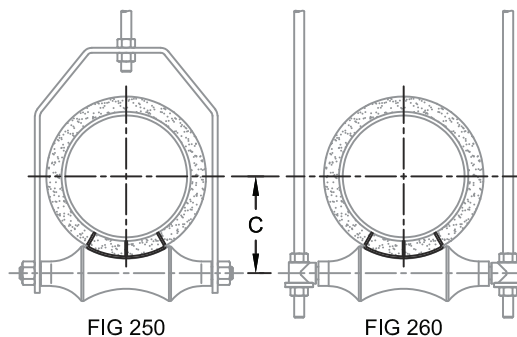
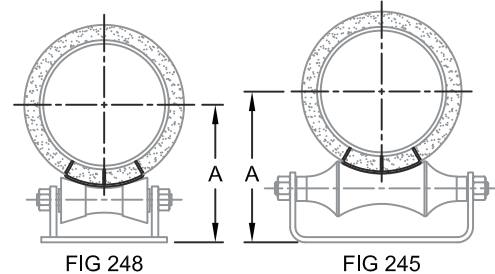
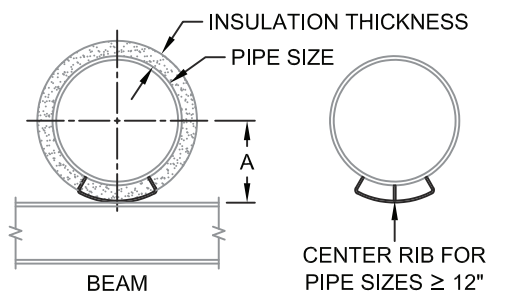
**FIG. 340****Pipe Covering Protection Saddle**

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

**FIG. 340 4" Insulation Thickness**

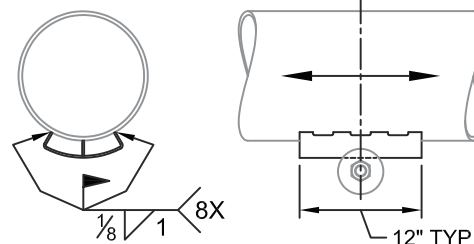
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
1	4 ¹³ / ₁₆	9 ¹ / ₁₆	8-10	9 ¹ / ₄	10	5 ¹ / ₁₆	10	5 ¹¹ / ₁₆	10	5.25	1200
1 ¹ / ₄	5	9 ¹ / ₄	8-10	9 ¹ / ₁₆	10	5 ¹ / ₁₆	10	5 ⁵ / ₈	10	5.25	1200
1 ¹ / ₂	5 ⁵ / ₈	9 ³ / ₈	8-10	9 ¹ / ₁₆	10	6	10	6	10	5.25	1800
2	5 ⁵ / ₁₆	9 ⁵ / ₈	8-10	9 ³ / ₄	10	6 ³ / ₁₆	10	6 ³ / ₁₆	10	5.17	1800
2 ¹ / ₂	5 ⁵ / ₈	9 ⁵ / ₈	8-10	10 ¹ / ₁₆	10	6 ⁵ / ₈	12	6 ⁷ / ₁₆	10	5.17	1800
3	5 ¹⁵ / ₁₆	10 ³ / ₁₆	8-10	10 ³ / ₈	10	6 ¹⁵ / ₁₆	12	6 ¹³ / ₁₆	10	5.17	1800
4	6 ³ / ₈	10 ¹¹ / ₁₆	8-10	11 ¹ / ₁₆	12	7 ³ / ₄	14	7 ⁷ / ₁₆	12	5.77	1800
5	7	11 ⁷ / ₈	12-14	12 ¹ / ₈	12	8 ⁵ / ₁₆	14	8 ³ / ₁₆	12	5.77	1800
6	7 ¹ / ₂	12 ¹ / ₁₆	12-14	13 ³ / ₁₆	14	8 ¹⁵ / ₁₆	16	8 ¹⁵ / ₁₆	14	9.66	1800
8	8 ³ / ₈	14	16-20	15 ⁵ / ₈	16	9 ⁵ / ₈	18	10 ¹ / ₁₆	16	9.66	1800
10	9 ⁹ / ₁₆	15 ¹ / ₁₆	16-20	16 ⁷ / ₈	18	10 ¹⁵ / ₁₆	20	10 ¹⁵ / ₁₆	18	11.0	1800
12	10 ¹⁰ / ₁₆	16 ¹ / ₈	22-24	18 ⁷ / ₁₆	20	12 ⁷ / ₁₆	24	12 ¹ / ₁₆	20	14.9	5000
14	11 ¹ / ₄	16 ¹³ / ₁₆	22-24	19 ⁹ / ₁₆	20	13 ³ / ₈	24	12 ³ / ₄	20	14.9	7200
16	12 ³ / ₁₆	17 ¹³ / ₁₆	22-24	21 ¹ / ₁₆	24	14 ¹ / ₁₆	24	14 ¹ / ₁₆	24	14.2	7200
18	13 ³ / ₁₆	19 ⁵ / ₈	30	24	30	-	-	15 ¹⁵ / ₁₆	30	16.3	7200
20	14 ³ / ₁₆	20 ⁵ / ₈	30	25	30	-	-	16 ¹⁵ / ₁₆	30	15.8	7200
24	16 ³ / ₁₆	22 ³ / ₄	30	-	-	-	-	-	-	16.8	7200
30	19 ³ / ₁₆	26 ¹¹ / ₁₆	36-42	-	-	-	-	-	-	26.6	7200
36	22 ³ / ₁₆	-	-	-	-	-	-	-	-	26.9	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50



RECOMMENDED MIN FIELD WELDING

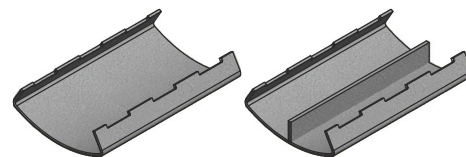
±3" RECOMMENDED MAX AXIAL TRAVEL



- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.

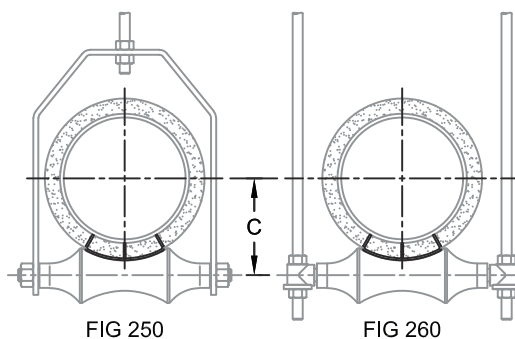
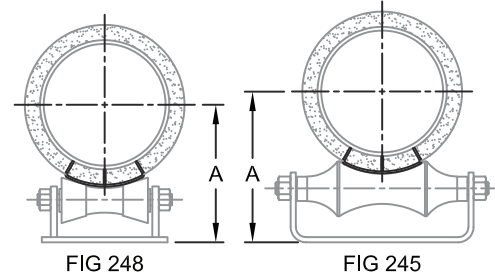
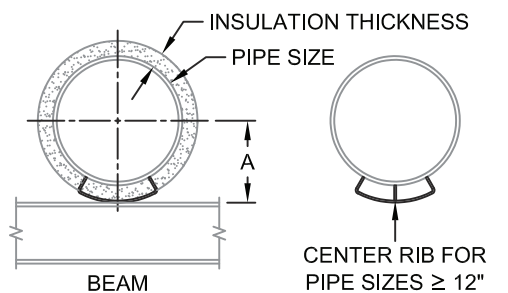
**FIG. 345****Pipe Covering Protection Saddle**

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

**FIG. 345 4½" Insulation Thickness**

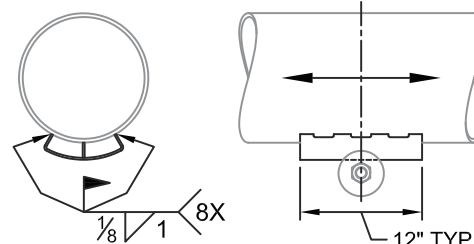
PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
1	5½	9½	8-10	9¼	10	6½	10	6½	10	5.88	1200
1¼	5½	9¼	8-10	9½	10	6½	10	6½	10	5.88	1200
1½	5½	9½	8-10	10½	10	6½	12	6½	10	5.88	1800
2	5½	10½	8-10	10½	12	6½	12	6½	12	5.96	1800
2½	6½	10½	8-10	11½	12	7½	12	7½	12	5.96	1800
3	6½	10½	8-10	11½	12	7½	12	7½	12	5.96	1800
4	6½	11½	12-14	12½	14	8½	14	8½	14	9.21	1800
5	7½	12½	12-14	13½	14	8½	16	8½	14	9.21	1800
6	8	13½	16-20	14½	16	9½	16	9½	16	9.74	1800
8	9½	14½	16-20	16½	18	10½	18	10½	18	9.74	1800
10	10½	15½	16-20	17½	20	11½	20	11½	20	11.1	1800
12	11½	16½	22-24	20¼	24	12½	24	12½	24	14.6	5000
14	11½	17½	22-24	21½	24	13½	24	13½	24	14.6	7200
16	12½	19½	30	22½	24	-	-	14½	24	14.5	7200
18	13½	20½	30	24½	30	-	-	15½	30	17.2	7200
20	14½	21½	30	25½	30	-	-	16½	30	17.2	7200
24	17	24½	36-42	-	-	-	-	-	-	17.1	7200
30	20½	27½	36-42	-	-	-	-	-	-	25.9	7200
36	23½	-	-	-	-	-	-	-	-	27.9	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50



RECOMMENDED MIN FIELD WELDING

±3" RECOMMENDED MAX AXIAL TRAVEL



- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



FIG. 350

Pipe Covering Protection Saddle

- SERVICE:** To protect insulation while providing stationary support on beams or accommodating thermal expansion on roller hangers and supports.
- MATERIAL:** Carbon Steel (A36) or Stainless Steel (A240) Types 304 and 316
- MAX TEMP:** 650°F for Black, 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel
- FINISH:** Black or Hot-Dip Galvanized meeting ASTM A123
- STANDARDS:** MSS SP-58 Type 39
- ORDERING:** Specify figure number, pipe size, material and finish.⁽³⁾

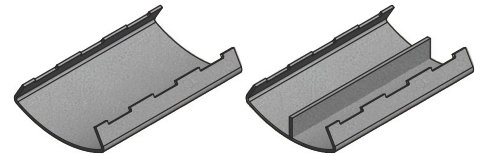
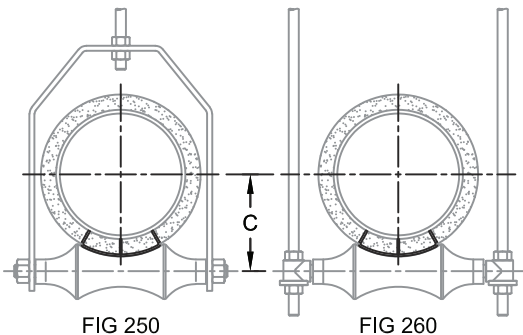
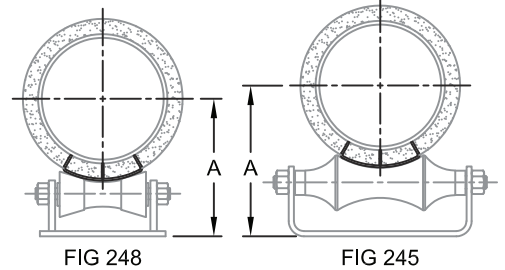
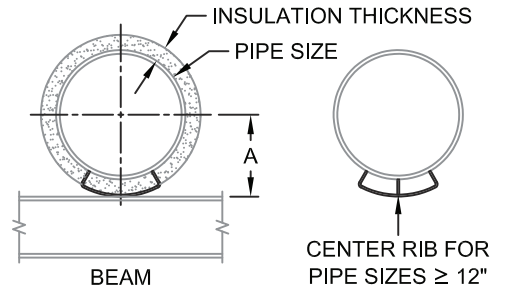


FIG. 350 5" Insulation Thickness

PIPE SIZE	BEAM A	248 A	248 SIZE	245 A	245 SIZE	250 C	250 SIZE	260 C	260 SIZE	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
2	6 ⁵ / ₁₆	10 ⁵ / ₁₆	8-10	11 ⁷ / ₁₆	12	7 ⁵ / ₁₆	12	7 ⁵ / ₁₆	12	6.58	1800
2½	6 ⁵ / ₁₆	11 ⁷ / ₁₆	12-14	11¾	12	7 ⁵ / ₁₆	14	7 ¹¹ / ₁₆	12	6.58	1800
3	6 ¹⁵ / ₁₆	11 ¹³ / ₁₆	12-14	12 ¹ / ₁₆	12	8 ⁵ / ₁₆	14	8	12	6.58	1800
4	7 ³ / ₈	12 ⁵ / ₁₆	12-14	13 ³ / ₈	14	8 ¹³ / ₁₆	16	8¾	14	6.65	1800
5	8	12 ¹⁵ / ₁₆	12-14	14	16	9 ⁹ / ₁₆	16	9 ⁹ / ₁₆	16	6.65	1800
6	8½	13 ¹⁵ / ₁₆	16-20	15 ⁵ / ₁₆	16	9¾	18	10	16	11.6	1800
8	9 ⁵ / ₈	15 ¹ / ₁₆	16-20	16 ¹³ / ₁₆	18	11	20	10 ⁷ / ₈	18	11.6	1800
10	10 ⁹ / ₁₆	16 ⁵ / ₈	16-20	18½	20	12 ⁷ / ₁₆	24	12 ¹ / ₁₆	20	12.0	1800
12	11 ⁹ / ₁₆	17 ³ / ₁₆	22-24	21¼	24	13 ³ / ₁₆	24	12 ⁷ / ₁₆	24	16.5	5000
14	12¼	17 ⁷ / ₈	22-24	21 ¹⁵ / ₁₆	24	14 ¹ / ₈	24	14 ¹ / ₈	24	16.6	7200
16	13 ³ / ₁₆	19 ⁵ / ₈	30	24	30	-	-	15 ⁵ / ₁₆	30	17.8	7200
18	14 ³ / ₁₆	20 ⁵ / ₈	30	25	30	-	-	16 ⁵ / ₁₆	30	18.4	7200
20	15 ¹ / ₁₆	21 ¹¹ / ₁₆	30	26 ¹ / ₁₆	30	-	-	17 ³ / ₈	30	19.1	7200
24	17 ³ / ₁₆	24 ⁵ / ₈	36-42	-	-	-	-	-	-	20.4	7200
30	20 ³ / ₁₆	27¾	36-42	-	-	-	-	-	-	28.7	7200
36	23 ¹ / ₁₆	-	-	-	-	-	-	-	-	30.7	7200

SS LOAD CORRECTION ⁽²⁾			
TEMP °F	FACTOR	TEMP °F	FACTOR
100	1.00	600	0.59
200	0.80	800	0.54
400	0.67	1000	0.50

- Maximum recommended load shown for beam supported saddle. Maximum recommended load may be limited by the allowable roller load or other components in the load path.
- Maximum recommended load shown for carbon steel. For recommended load for Stainless Steel, multiply the above load by the load/temperature correction factor.
- For 30" and 36" pipe sizes, indicate roller Figure Number when ordering.
- Selection size for Figure #249 Adjustable Roller Stand is the same as the Figure #248.
- For other pipe sizes, insulation thickness, axial travels, or support configurations contact factory.



RECOMMENDED MIN FIELD WELDING

±3" RECOMMENDED MAX AXIAL TRAVEL

