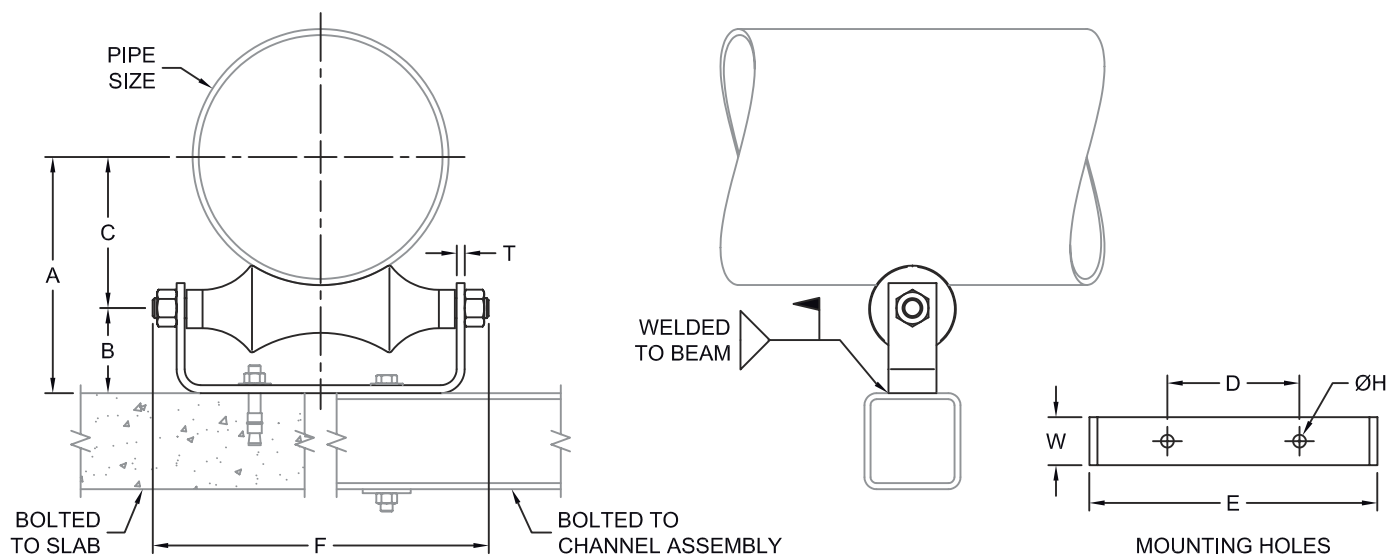
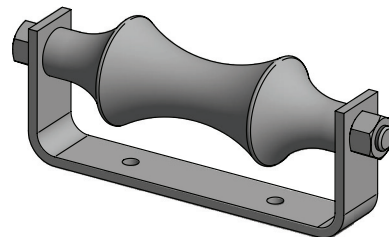


**FIG. 245****Roller Chair**

- SERVICE:** To support pipe while providing large axial movement. Bolted or welded to structure.
- MATERIAL:** Carbon Steel (ASTM A36) chair and axle with Gray Cast Iron (ASTM A48, Grade 30) roll. Stainless Steel (ASTM A240, Type 304) chair and axle with Cast (ASTM 351, Grade CF8) roll.
- FINISH:** Hot-Dip Galvanized (ASTM A123) chair and roll with Electro-Galvanized (ASTM B633) axle and hardware.
- MAX TEMP:** 350°F for Hot-Dip Galvanized, 1000°F for Stainless Steel²
- STANDARDS:** MSS SP-58 Type 44
- ORDERING:** Specify figure number, pipe size and material. (Order mounting hardware separately.)



PIPE SIZE	A	B	C	D	E	F	ØH	T x W	WEIGHT EACH, LBS.	MAX. REC. LOAD, LBS.
3	3 ⁷ / ₈	1 ³ / ₄	2 ¹ / ₈	2	4 ¹ / ₂	5 ⁷ / ₈	7 ¹ / ₁₆	1/4 x 1 1/4	1.5	390
4	5	2 ¹ / ₄	2 ¹³ / ₁₆	2	5 ³ / ₄	6 ⁷ / ₈	9 ¹ / ₁₆	3/8 x 1 1/2	2.9	950
5	5 ¹³ / ₁₆	2 ⁷ / ₁₆	3 ³ / ₈	2 1/2	7	8 ⁷ / ₁₆	9 ¹ / ₁₆	3/8 x 1 1/2	3.5	950
6	6 ⁵ / ₈	2 ¹¹ / ₁₆	3 ¹⁵ / ₁₆	3 1/4	8	9 ¹ / ₂	9 ¹ / ₁₆	3/8 x 2	5.5	950
7	7 ⁵ / ₁₆	2 ¹³ / ₁₆	4 ¹ / ₂	3 1/2	8 ⁷ / ₈	10 ¹ / ₂	9 ¹ / ₁₆	3/8 x 2	7.0	1350
8	8 ¹ / ₈	3	5 ³ / ₁₆	4	10	11 ⁷ / ₈	11 ¹ / ₁₆	3/8 x 2	7.3	1350
10	9 ¹³ / ₁₆	3 ⁹ / ₁₆	6 ¹ / ₄	5	12 ¹ / ₄	14 ¹ / ₄	11 ¹ / ₁₆	1/2 x 2	12	1730
12	11 ⁹ / ₁₆	4 ¹ / ₈	7 ⁷ / ₁₆	6	14 ¹ / ₄	16 ¹ / ₄	11 ¹ / ₁₆	1/2 x 2	17	2400
14	13	4 ⁵ / ₈	8 ³ / ₈	6 1/2	15 ⁵ / ₈	18	13 ¹ / ₁₆	1/2 x 2 1/2	25	3130
16	14 ³ / ₄	5 ⁵ / ₁₆	9 ⁷ / ₁₆	8 1/4	18	21	13 ¹ / ₁₆	1/2 x 3	35	3970
18	16 ¹ / ₄	5 ¹⁵ / ₁₆	10 ⁵ / ₁₆	9 1/4	19 ¹ / ₄	22 ⁷ / ₈	13 ¹ / ₁₆	1/2 x 3	37	4200
20	17 ¹³ / ₁₆	6 ⁷ / ₁₆	11 ³ / ₈	10 1/4	21 ¹ / ₄	25 ¹ / ₄	13 ¹ / ₁₆	1/2 x 3	45	4550
24	21 ¹¹ / ₁₆	7 ¹³ / ₁₆	13 ⁷ / ₈	12 1/4	25 ³ / ₄	30	15 ¹ / ₁₆	5/8 x 4	78	6160
30	25 ¹³ / ₁₆	8 ¹¹ / ₁₆	17 ¹ / ₈	15 ³ / ₈	31 ³ / ₄	36	15 ¹ / ₁₆	5/8 x 4	110	7290

D.I./C.I. PIPE SIZE	FIG 245 SIZE
3	4
4	5
6	6
8	8
10	10
12	14
14	16
16	18
18	20
20	24
24	30
30	N/A

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

Notes:

- For vertical and lateral adjustment see FIG. #249 Pipe Roller Stand.
- Maximum Recommended Loads above for carbon steel/cast iron. For recommended loads on stainless steel roller chairs, multiply the above loads by the load/temperature correction factor.
- For insulated lines with Pipe Covering Protection Saddles see FIG. #310 to #350 for size selection.
- For pre-insulated lines see MaxSpan RH in Pre-Insulated Pipe Support Catalog for size selection.