



Materials/Finishes:	Plain Carbon Steel (277B)	Hot-Dip Galvanized (277HDG)
	T-304 Stainless Steel (277SS)	T-316 Stainless Steel (277SX)
Variants:	With Non Conductive Roll (277NCR)	
Service:	Designed for the suspension of pipe where longitudinal movement may occur due to expansion and contraction, and vertical adjustment is necessary.	
Approvals:	Complies with Federal Specification WW-H-171-E (Type# 42), A-A-1192 A (Type# 41) and Manufacturers' Standardization Society MSS SP-58 and SP-69 (Type# 41).	
Ordering:	Specify figure number, finish and roller size. Please remember to consider insulation thickness when sizing rollers.	
Notes:	Hot-Dip Galvanized hangers equipped with Electro-Galvanized axle. Empire furnishes drop rods to specified length and double roller assemblies. Ordered separately.	

277B (PLAIN), 277HDG (HOT-DIP GALVANIZED)										
HANGER SIZE	PIPE OD	AXLE SIZE	A	B	C	E	L	R	WGT EACH (lbs)	MAX REC LOAD (lbs)
2	2.375	3/8	3/8	1-9/16	4-3/8	2-3/16	5-5/8	2-7/8	0.760	600
2-1/2	2.875	1/2	1/2	1-7/8	5-1/8	2-5/8	6-1/2	3-1/8	1.185	660
3	3.500	1/2	1/2	2-1/8	5-5/8	2-7/8	7	3-3/4	1.385	700
3-1/2	4.000	1/2	1/2	2-1/2	5-7/8	3-1/4	7-1/4	3-7/8	1.500	750
4	4.500	1/2	5/8	2-13/16	6-7/8	3-13/16	8-9/16	4-3/4	2.110	750
5	5.563	5/8	5/8	3-3/8	8-1/16	4-3/8	9-3/4	5-3/4	2.570	750
6	6.625	3/4	3/4	3-15/16	9-9/16	4-15/16	11-5/8	6-7/8	4.395	1070
7	7.625	3/4	3/4	4-1/2	10-1/2	5-1/4	12-1/2	8	5.160	1100
8	8.625	7/8	7/8	5-1/8	11-15/16	6-3/8	14-1/4	8-7/8	7.425	1350
10	10.750	7/8	7/8	6-1/4	14-1/16	7-1/2	16-1/4	11	9.170	1730
12	12.750	7/8	7/8	7-5/16	15-13/16	8-9/16	18	13	13.150	2400
14	14.000	1-1/8	1	8-3/8	17-3/4	9-13/16	20-1/2	14-1/4	18.745	3130
16	16.000	1-1/4	1	9-1/2	20-9/16	10-15/16	23-3/8	16-7/8	24.540	3970
18	18.000	1-1/4	1	10-7/16	21-7/8	11-7/8	24	18-5/16	27.200	4200
20	20.000	1-1/4	1-1/4	11-1/2	24-1/4	13-3/8	27	20-1/4	32.000	4550
24	24.000	1-1/2	1-1/2	13-13/16	28-7/8	16-1/16	32	24-1/4	54.000	6160
30	30.000	1-3/4	1-1/2	17-1/4	35-1/2	19-5/8	39-3/4	30-1/4	82.000	7290

277SS (T-304 STAINLESS) AND 277SX (T-316 STAINLESS)										
HANGER SIZE	PIPE OD	AXLE SIZE	A	B	C	E	L	R	WGT EACH (lbs)	MAX REC LOAD (lbs)
3	3.500	1/2	1/2	2-1/8	5-11/16	2-7/8	7-1/16	3-3/4	0.760	600
4	4.500	1/2	1/2	2-13/16	6-11/16	3-3/8	8-1/16	4-3/4	2.110	750
6	6.625	3/4	3/4	3-15/16	9-13/16	4-15/16	11-11/16	6-7/8	4.395	1070
8	8.625	7/8	7/8	5-1/8	12-3/16	6-3/8	14-5/16	8-7/8	7.425	1350
10	10.750	7/8	7/8	6-1/4	13-15/16	7-1/2	16-1/16	11	9.170	1730
12	12.750	7/8	7/8	7-5/16	15-15/16	8-9/16	18-1/16	13	13.150	2400
14	14.000	1-1/8	1	8-3/8	18	9-13/16	20-3/4	14-1/4	18.745	3130
16	16.000	1-1/4	1-1/4	9-1/2	20-7/8	10-15/16	23-5/8	16-7/8	24.540	3970
18	18.000	1-1/4	1-1/4	10-7/16	22-3/8	11-7/8	25-1/8	18-5/16	27.200	4200
20	20.000	1-1/4	1-1/4	11-1/2	24-3/8	13-3/8	27-1/8	20-1/4	32.000	4550

PROJECT INFORMATION			APPROVAL STAMP
Project:			Notes:
Address:			
Contractor:			
Engineer:			
Date:			
Approved	Approved as Noted	Not Approved	