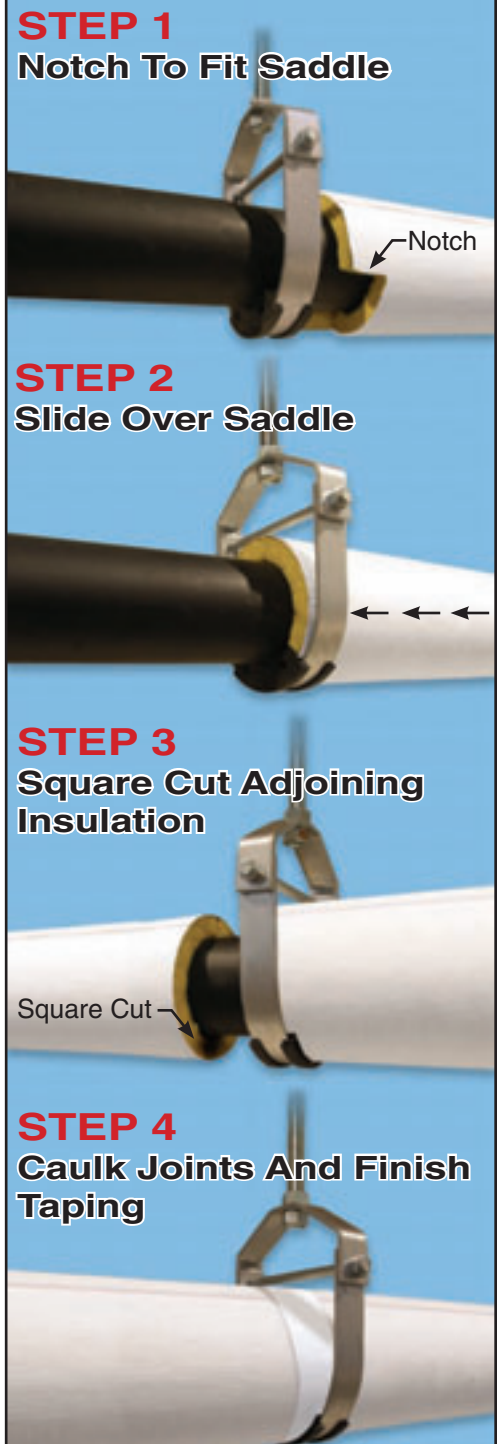


# Figure 260 Insulation Saddle System

**Reduces Overall Installation Time & Makes Insulating Pipe Easier**

- Labor Savings for the Plumbing, Mechanical and Insulating Contractors
- Eliminates Wood Block and Shield
- Eliminates Costly Hanger Adjustments
- V-Block Design Cradles the Pipe
- Load Rated and Tested
- Thermal Conductivity =  $.77(\text{BTU-In/Sq. FT-Hr-}^\circ\text{F})$

Used for copper or steel pipe systems, the revolutionary Figure 260 Insulation Saddle System saves time and money by eliminating wood blocks, shields and costly hanger adjustments. It is ideal for use with chilled and hot water systems with a temperature range from 40° F to 200° F. Made from high impact glass reinforced polypropylene, the saddle comes pre-assembled with 2" thru 16" clevis hangers. It can also accommodate up to 2" of insulation in larger sizes and has a flammability rating of V-O UL 94. Unlike the old fashion wood block technique, the Insulation Saddle System spreads the load over a larger surface of the hanger, which eliminates wood block point loading. With this new system, the user need only caulk the insulation seams at the saddle to create a positive vapor barrier.



## Figure 260 (ISS) Insulation Saddle System

**Size Range:**

2" through 16" Clevis Hanger with Saddle Assembly  
 1/2" through 12" Pipe Diameter

**Material:** Carbon Steel with High Impact Glass Reinforced Polypropylene Saddle and Carbon Steel Pipe Spacer.

**Finish:** Plain or Galvanized Clevis Hanger

**Service:** Recommended for the suspension of Stationary Insulated Chilled or Hot Water Pipe Lines.

**Maximum Temperature:** 40°F to 200°F

**How to Size:** Hanger must be selected from the sizing table according to pipe size and insulation thickness.

**Installation:** Hanger load nut above clevis must be tightened securely to assure proper performance. Install the pipe on the saddle. Cope or notch one section of insulation to securely fit around the saddle. Notch should be deep enough to extend 1/8" to 1/4" beyond the saddle. Square cut adjoining insulation section and butt the mating end to the notched section. Apply mastic to all mating insulation edges, caulk all seams between insulation and saddle as applicable to chilled or hot water systems to assure positive vapor barrier. Finish via standard taping methods.

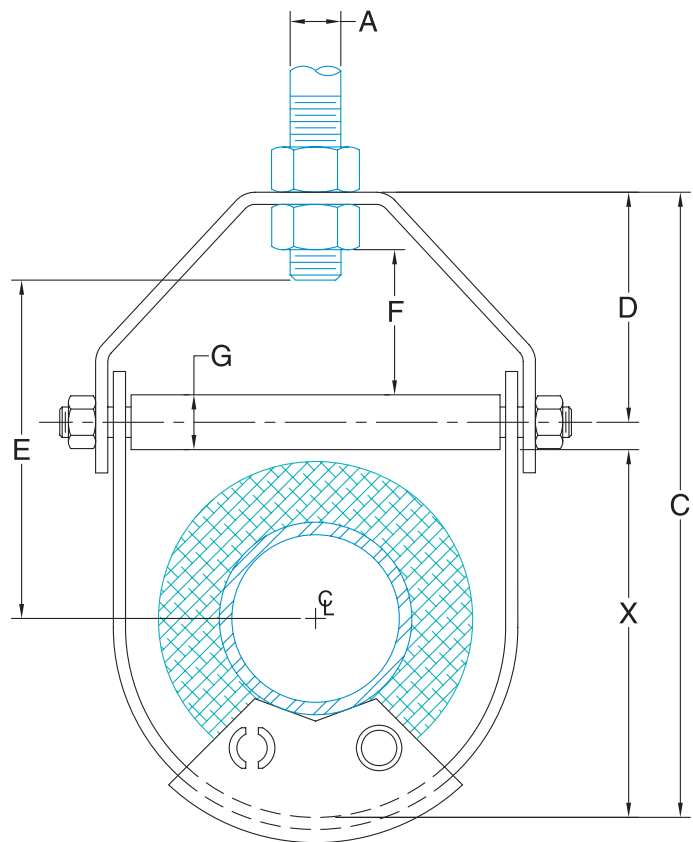
**Adjustments:** Vertical adjustment without removing the hanger may be made 7/8" through 2 3/8" varying with the size of the clevis. Tighten all nuts after adjustment.

**Features:** Clevis Hanger with High Impact Saddle eliminates costly hanger adjustments required during the installation of piping insulation. Wood blocks and shields are not required for use with this product. V-Block design cradles the pipe during and after installation. Low thermal conductivity calculated at .77 (BTU-In/Sq. Ft-Hr-°F). Flammability rating of V-O UL 94.

**Ordering:**

Specify size number, insulation thickness, figure number and finish.

Size	Plain	Galvanized
2	\$33.04	\$36.00
3	\$39.08	\$44.20
4	\$54.20	\$62.00
5	\$79.32	\$88.80
6	\$90.00	\$105.80
8	\$115.20	\$139.60
10	\$192.40	\$227.80
12	\$248.80	\$300.40
14	\$294.68	\$352.80
16	\$441.36	\$543.00



2" thru 16" Figure 260 (ISS)  
 Patent Pending

260 ISS Size Number	*Max Load	Weight	Rod Size A	C	**Rod Take Out E	Adjust. F	G	X
2	550	0.73	3/8	4 1/2	2 5/8	7/8	1/4	2 3/8
3		1.32	1/2	6 1/2	4 1/16	1 7/16		3 5/8
4		1.83	5/8	7 13/16	4 1/2	1 1/2		3/8
5	2.44	8 15/16		5 1/2	1 3/4	5 11/16		
6	750	3.81	3/4	10 1/4	5 3/4	1 1/2	1/2	6 11/16
8		5.60		12 11/16	7 3/16	1 3/4		8 13/16
10		9.73		15 1/4	8 7/16	1 7/8		5/8
12	1100	13.80	17 15/16	10 1/8	2 9/16	12 7/16		
14		15.60	7/8	19 9/16	10 11/16	2 1/2	3/4	
16		26.81		1	22	12		2 3/8

\* Max load exceeds dead weight load requirement of pipe at max span, except 14 inch and 16 inch where max load is based on industry standard spacing of 14 feet. See the pipe data and load table on following page for dead weight load calculations.

\*\*Based on maximum insulation thickness, variations due to pipe size and insulation thickness may occur.

## Figure 260 (ISS) Insulation Saddle System

Fig. 260 Insulation Saddle System Sizing Table					
Pipe Size	Insulation Thickness				
	1/2"	3/4"	1"	1 1/2"	2"
(Size Number)					
1/2	2	2	3	—	—
3/4	2	3	3	—	—
1	2	3	3	—	—
1 1/2	3	3	4	—	—
2	3	4	4	—	—
2 1/2	4	4	5	6	8
3	4	5	5	6	8
3 1/2	5	5	6	8	8
4	5	6	6	8	8
5	6	8	8	8	10
6	8	8	8	10	10
8	10	10	10	12	12
10	12	12	12	14	16
12	14	16	16	16	—

Actual Outside Diameter of Pipe with Insulation Thickness						
Pipe Size	Actual Pipe OD	1/2"	3/4"	1"	1 1/2"	2"
(Inches)						
1/2	0.840	1.840	2.340	2.840	3.840	4.840
3/4	1.050	2.050	2.550	3.050	4.050	5.050
1	1.315	2.315	2.810	3.300	4.315	5.315
1 1/2	1.900	2.900	3.400	3.900	4.900	5.900
2	2.375	3.375	3.875	4.375	5.375	6.375
2 1/2	2.875	3.875	4.375	4.875	5.875	6.875
3	3.500	4.500	5.000	5.500	6.500	7.500
3 1/2	4.000	5.000	5.500	6.000	7.000	8.000
4	4.500	5.500	6.000	6.500	7.500	8.500
5	5.563	6.563	7.063	7.563	8.563	9.563
6	6.625	7.625	8.125	8.625	9.625	10.625
8	8.625	9.625	10.125	10.625	11.625	12.625
10	10.750	11.750	12.250	12.750	13.750	14.750
12	12.750	13.750	14.250	14.750	15.750	16.750

Fig. 260 Insulation Saddle System Sizing Table					
Copper Tube Size	Insulation Thickness				
	1/2"	3/4"	1"	1 1/2"	2"
(Size Number)					
3/8	2	2	3	—	—
1/2	2	2	3	—	—
5/8	2	2	3	—	—
3/4	2	2	3	—	—
1	2	3	3	—	—
1 1/4	2	3	3	—	—
1 1/2	3	3	4	—	—
2	3	4	4	—	—
2 1/2	4	4	5	6	—
3	4	5	5	6	8
3 1/2	5	5	6	6	8
4	5	6	6	8	8
5	6	6	8	8	10
6	8	8	8	10	10
8	10	10	10	12	12

Actual Outside Diameter of Tube with Insulation Thickness						
Copper Tube Size	Actual Tube OD	1/2"	3/4"	1"	1 1/2"	2"
(Inches)						
3/8	0.500	1.500	2.000	2.500	3.500	4.500
1/2	0.625	1.625	2.125	2.625	3.625	4.625
5/8	0.750	1.750	2.250	2.750	3.750	4.750
3/4	0.875	1.875	2.375	2.875	3.875	4.875
1	1.125	2.125	2.625	3.125	4.125	5.125
1 1/4	1.375	2.375	2.875	3.375	4.375	5.375
1 1/2	1.625	2.625	3.125	3.625	4.625	5.625
2	2.125	3.125	3.625	4.125	5.125	6.125
2 1/2	2.625	3.625	4.125	4.625	5.625	6.625
3	3.125	4.125	4.625	5.125	6.125	7.125
3 1/2	3.625	4.625	5.125	5.625	6.625	7.625
4	4.125	5.125	5.625	6.125	7.125	8.125
5	5.125	6.125	6.625	7.125	8.125	9.125
6	6.125	7.125	7.625	8.125	9.125	10.125
8	8.125	9.125	9.625	10.125	11.125	12.125

Pipe Data and Load Table					
Pipe Size	Max Span	Pipe Weight	Water Weight	Total Weight	Dead Weight Load
(Inches)	(Feet)	(Lbs./Ft.)	(Lbs./Ft.)	(Lbs./Ft.)	(Lbs.)
1/2	7	0.85	0.13	0.98	6.87
3/4	7	1.13	0.23	1.36	9.52
1	7	1.67	0.37	2.05	14.36
1 1/2	9	2.71	0.88	3.59	32.39
2	10	3.65	1.45	5.10	51.04
2 1/2	11	5.79	2.07	7.86	86.48
3	12	7.57	3.20	10.77	129.24
3 1/2	13	9.11	4.28	13.39	174.07
4	14	10.79	5.51	16.30	228.20
5	16	14.62	8.66	23.28	372.48
6	17	18.97	12.51	31.48	535.16
8	19	28.55	21.60	50.15	952.85
10	22	40.48	34.10	74.58	1640.76
12	14	53.60	48.50	102.10	1429.40

Copper Tube Data and Load Table					
Copper Tube Size	Max Span	Tube Weight	Water Weight	Total Weight	Dead Weight Load
(Inches)	(Feet)	(Lbs./Ft.)	(Lbs./Ft.)	(Lbs./Ft.)	(Lbs.)
1/2	5	0.28	0.10	0.38	1.92
3/4	5	0.45	0.20	0.66	3.32
1	6	0.65	0.35	1.01	6.07
1 1/4	7	0.88	0.54	1.43	10.01
1 1/2	8	1.14	0.76	1.90	15.25
2	8	1.75	1.34	3.09	24.72
2 1/2	9	2.48	2.06	4.54	40.89
3	10	3.33	2.94	6.27	62.79
3 1/2	11	4.29	3.98	8.27	91.06
4	12	5.38	5.18	10.56	126.81
5	12	7.61	8.08	15.69	188.29
6	12	10.2	11.61	21.81	261.79
8	12	19.29	20.28	39.57	474.94
10	12	30.10	31.59	61.69	740.28
12	12	40.40	45.42	85.82	1029.91

"Span" represents the maximum recommended distance between hangers on a continuous and straight run of horizontal standard weight steel pipe filled with water. See Table 1 on page 207 of the Anvil Pipe Hanger Catalog for maximum recommended hanger spacing. Dead weight load calculated at max span except for 12 inch pipe which was calculated at industry standard spacing of 14 feet.

In all cases, verify that chosen location of hangers does not subject hangers to a load greater than the maximum load shown for the Figure 260 ISS.



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