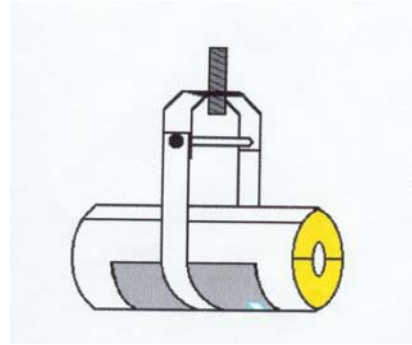


AMERICAN SADDLE

In our 68 years of experience (since 1934) of contracting, designing, and manufacturing of insulation products, we have witnessed the problems that can occur in the support of mechanical pipe insulation. As a solution to these problems, we have developed a product that will achieve a more efficient, economical and uniform system.

American Saddles were developed for the commercial plumbing, heating and air-conditioning industries to increase the strength of the insulation at the point of support. In most cases, this insulation was not strong enough to carry the load without breaking the insulation or vapor barrier. Methods used by many contractors are inconsistent, non-uniform, and lacking design. The result has been an inferior job with a poor appearance. *American Saddles* fill the commercial industry's needs both economically and mechanically by providing a product that supports the insulation, assures a total vapor barrier, and is easy and economical to install.

All American Supply has incorporated materials that are commonly used, strong enough to support the load, provide a total vapor barrier around the insulation, and comply with ASTM, Military, and Nuclear Regulatory Specifications.



Description/Features

American Saddles are 360 thermal hanger shields designed to meet the broadest range of pipe support applications. They provide a continuous section of insulation and vapor barrier through a wide variety of pipe hangers for pipe systems operating between 20 F and 1200 F. The insulation and vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. American Saddles are suitable for use in any type of clamp as well as in band-type hangers and on flat surfaces. To assure proper support in all situations, high density 450 PSI inserts are installed in units for 10" pipe with 1" wall thickness and in all units for 12" pipe and larger. American Saddles meet the MSS standard for a Type 40 shield per MSS SP-58, Paragraph 9.2.2.

APPLICATIONS

- For indoor use on clamping support systems, flat surfaces, clevis or other band-type hangers .
- Pipe sizes 16 inch and larger in clevis or two bolt hangers only.
- Chilled to steam piping and dual temperature lines.
- Hanger spans per MSS SP-69 Table 5.
- Available for pipe from ½ inch through 30 inches.
- Insulation thickness from ½ inch through 4 inches.

MATERIALS / CONSTRUCTION

- 135 PSI Calcium silicate meeting ASTM C-533, C-585, C-795, E-84, Flame Spread -0-, Smoke Developed -0-, Thermal Conductivity ("k") .40 @ 75 F mean.
- Adhesive complying with NFPA 90-A, ASTM E-84, Flame -10-, Smoke -0-.
- G-90 Galvanized steel shield, small check per ASTM A-527.
- Vapor Barrier of all service jacket meeting ASTM D-774, D-828, and E-84, Flame -5-, Smoke -5-.
- Structural insert (12" pipe and larger) minimum 450 PSI calcium silicate meeting ASTM C-533, C-795, and E-84.
- All units and components are asbestos free and are 100% made and assembled in the USA.

AMERICAN SADDLE

Insulated Pipe Saddles

Selection Guide

Models	Type of Service	
	Water, Air, Steam, Gas	Chilled Water
Model 180 (see Note 1)	✓	
With labels	*	*
360° vapor barrier		✓
Extended insulation		✓
Model 360 (see Note 1)	✓	
With labels	*	*
360° vapor barrier		✓
Extended insulation		✓

Note 1- Flat surface and pipe roll mounting not recommended for *American Saddles* over 6" pipe size. Maximum span in clevis hanger-12'-0 thru 14" pipe; 10'-0 from 16" to 20" pipe.

* If Required

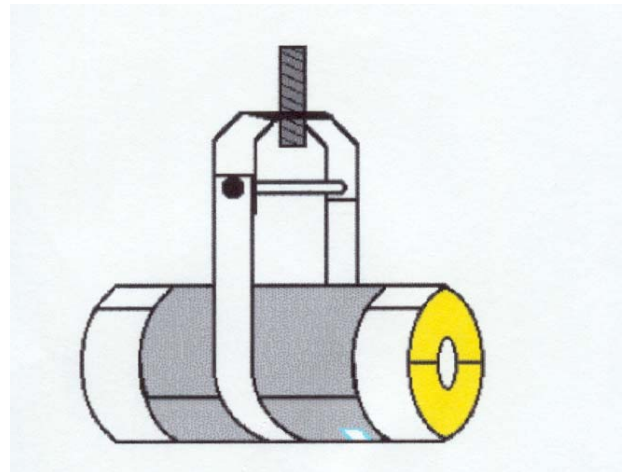
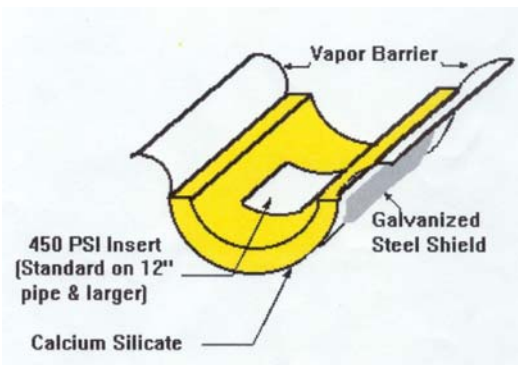
Maximum Load Chart

Pipe Size (in.)	Clevis Hanger (#)	Flat Surface (#)
2	150	125
2 ½	200	160
3	260	190
3 ½	305	225
4	350	275
5	460	350
6	560	400
8	770	NR
10	1000	NR
12	1200	NR
14	1400	NR
16	1600	NR
18	1800	NR

NR- Not Recommended

BENEFITS:

- ❖ Asbestos-free materials to protect employees and future users
- ❖ Flame retardant
- ❖ High density insulation for long lasting service
- ❖ Wide temperature range for multi-purpose uses
- ❖ Designed to fit most pipe and pipe hangers for minimal lost time
- ❖ A new way to save time and money for insulators and mechanical contractors
- ❖ Provide economical options to the construction industry for the vast majority of commercial applications
- ❖ All American can provide variations of the American Saddle to meet environmental, system, or economical concerns
- ❖ Can be manufactured to meet special design, construction, and engineering parameters



PIPE SIZE	1/2" TO 1 1/2"	2" TO 5"	6" TO 10"	12" & 14"	16" TO 24"
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American Saddles can be used for indoor clamping support systems, flat surfaces, clevis or other band-type hangers. They are designed to meet the broadest range of pipe support applications. They provide a continuous section of insulation and vapor barrier through a wide variety of pipe hangers for pipe systems operating between 20 degrees F and 1200 degrees F. The insulation and vapor barrier extend beyond the galvanized steel shield for a neat, vapor-tight joint with the adjoining insulation. *American Saddles* are suitable for use in

INSULATION LENGTH	6" 150 mm	6" 150 mm	9" 230 mm	12" 300 mm	18" 450 mm
SHIELD LENGTH	4" 100 mm	4" 100 mm	6" 150 mm	9" 230 mm	15" 375 mm
SHIELD GAUGE	22 ga. .9 mm	20 ga. 1 mm	16 ga. 1.6 mm	16 ga. 1.6 mm	14 ga. 2 mm

any type of clamp as well as in band-type hangers, flat surfaces, and on correctly sized roller hangers. They may be used on properly sized rollers where pipe travel is +/- 1/3 shield length. They can also be used on chilled to steam piping and dual temperature lines.