



Tru-Balance 1200E Insulated Saddles

Insulated Saddle for Steam Piping



Description

The Tru-Balance Model 1200E insulated saddle is designed primarily for indoor use on hot service up to 1200 °F. It can be used outdoors if it is protected from the weather. **Meets MSS SP-58, 9.2.2 for Type 40 Shields.**

Guide Specifications

The Model 1200E (Extended Insulation) has the insulation extended beyond the saddle for easy application of a tape butt-strip or adjoining jacketing materials. Always install the specified insulation thickness to insure system performance.

Features and Benefits

- A complete composite assembly, for fast and easy installation.
- A 360-degree section of 12 p.c.f. density Calcium Silicate pipe insulation for greater thermal efficiency at elevated temperatures.
- A high quality ASJ Vapor Barrier available, if required, for appearance and performance consistency.
- A G-90 galvanized steel Buckaroos 180-degree bottom shield for maximum insulation protection at hanger locations. (A 360-degree self-clamping shield is also available.)
- A double layer configuration is available upon request for extreme temperature applications.

Applications

This saddle is intended for indoor use on hot systems from 300°F to 1200 °F. It is ideal for all steam, high temperature process and other high temperature applications. Insure complete system integrity by eliminating compromised thermal performance at all hanger and support locations. This saddle saves energy and labor. It can be installed rapidly by any qualified contractor. The Model 1200E insulated saddle is always a wise investment!

Note: Even when using a vapor barrier, Calcium Silicate should not be used on cold applications.

Technical Data

Physical Property	Value/Unit	Specification Compliance
Insulation Density	12.0 Lbs./Cu. Ft.	ASTM C-303
Thermal Conductivity		
@ 200 degrees F mean	.45 BTU in./hr. ft./sq. °F	ASTM C-177
@ 400 degrees F mean	.55 BTU in./hr. ft./sq. °F	ASTM C-177
@ 200 degrees F mean	.66 BTU in./hr. ft./sq. °F	ASTM C-177
Service Temperature	300°F to 1200°F	Manufacturer Design Limits
Compressive Resistance	160 P.S.I. @ 5% deformation	ASTM C-165
Shrinkage, Max %:	2%	ASTM C-356
Optional ASJ Vapor Barrier		
Thickness	11 Mil	Manufacturer Specification
Average Perm Rating	.020	ASTM E-96

Product Dimensions

Nominal Pipe Size	Insulation Length	Saddle Length	Saddle Gauge
1/2" – 1 1/2"	9"	6"	22 Ga.
2" – 5"	18"	12"	18 Ga.
6" – 10"	18"	14"	16 Ga.
12" – 18"	18"	14"	14 Ga.
20" – 24"	18"	14"	12 Ga.



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