



# Tru-Balance 1200E Insulated Saddles

## 360 Degrees Calcium Silicate Insulated Saddle for Steam Service Piping



### Features and Benefits

- A complete composite assembly, for fast and easy installation.
- A 360-degree section of 14 p.c.f. density Calcium Silicate pipe insulation for greater thermal efficiency at elevated temperatures.
- Zero perm industrial grade protective covering has 6 mils of thickness for superior condensation control. A premium self seal tape completes the closure of the system.
- A G-90 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.
- Each unit has a genuine “Quick-Inspect” sticker applied at the bottom of each saddle for easy jobsite engineer or inspector identification after application.
- Unique “Safe-Pack” packaging protects the insulated support during shipment to the jobsite.

### 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. Compliant with **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.

### Applications

The 1200E 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
<b>Insulation Density (Dry) Average</b>	14.0 Lbs./Cu. Ft.	ASTM C-302
<b>Thermal Conductivity</b>		
@ 200 degrees F mean	.39 BTU in./hr. ft./sq. °F	ASTM C-335
@ 400 degrees F mean	.49 BTU in./hr. ft./sq. °F	ASTM C-335
@ 600 degrees F mean	.59 BTU in./hr. ft./sq. °F	ASTM C-335
<b>Service Temperature</b>	300°F to 1200°F	Manufacturer Design Limits
<b>Compressive Resistance</b>	100 P.S.I. @ 5% deformation	ASTM C-165
<b>Shrinkage, Max %:</b>	<2.0%	ASTM C-356
<b>Insulation Surface Burning Characteristics</b>	Flame Spread – 0 / Smoke Spread - 0	ASTM E84
<b>Zero Perm Vapor Retarder:</b>		
Thickness Average (w/o liner)	6 Mils	Manufacturer Specification
Perm Rating	.00	ASTM E-96, Procedure A
<b>Saddle, Galvanized Carbon Steel</b>		
Thickness, range	Hot Dipped G-90 22 gauge - 12 gauge	ASTM A-653 (Replaces A527) ASTM A-653 (Replaces A527)

### 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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