



# Tru-Balance 1200P Insulated Saddles

## Plated, Insulated Saddles for Steam Service Piping



### Features and Benefits

- 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 is 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 heavy-duty structural steel plate to reduce point loading in roller and trapeze hangers.
- A double layer configuration is available upon request for extreme temperature applications.

### Description

The Tru-Balance Model 1200P Insulated Saddle is designed for indoor use on 6" IPS and larger in roller or trapeze style hangers on hot service up to 1200°F. **Meets MSS SP-58 standards for Type 40 Shields.**

### Guide Specifications

The Model 1200P (Plated) has the additional structural support of a ¼" thick steel plate welded to the saddle for maximum spans in roller hanger applications. Always install the specified insulation thickness to insure system performance.

### Applications

This saddle is intended for indoor use on 6-inch IPS and larger. It can be used with roller or trapeze hangers on hot systems with operating temperatures from 300°F to 1200°F. This saddle is ideal for all steam, high temperature process, and other high temperature applications. The Model 1200P insulated saddle saves energy by eliminating compromised thermal performance at all hanger and support locations. The Model 1200P insulated saddle saves labor because it can be installed rapidly by any qualified contractor. The Model 1200P 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</b>	12.0 Lbs./Cu. Ft.	ASTM C-303
<b>Thermal Conductivity</b>		
@200°F mean	.45 BTU in./hr. ft./sq. °F	ASTM C-177
@400°F mean	.55 BTU in./hr. ft./sq. °F	ASTM C-177
@600°F mean	.66 BTU in./hr. ft./sq. °F	ASTM C-177
<b>Service Temperature</b>	300°F – 1200°F	Manufacturer Design Limits
<b>Compressive Strength</b>	100 P.S.I. @ 5% deformation	ASTM C-165
<b>Shrinkage, Max %</b>	2%	ASTM C-356
<b>Optional ASJ Vapor Barrier:</b>		
Thickness Average	11 Mil	Manufacturer Specification
Perm Rating	.020	ASTM E-96

### Product Dimensions

Nominal Pipe Size	Insulation Length	Saddle Length	Plate Length	Saddle Gauge
3" – 5"	18"	12"	N/A	12 Ga.
6" – 10"	18"	14"	8"	12 Ga.
12" – 18"	18"	14"	12"	12 Ga.
20" – 24"	18"	14"	12"	12 Ga.



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The Leader in Pipe Insulation Support Systems Since 1990