



BUCKAROOS, Inc.
www.buckaroos.com

NEW

Buckaroos Clean Saddles™
THE FIRST TOTALLY SEALED PVC SADDLE SYSTEM!



PATENT PENDING



TOTALLY SEALED PVC SUPPORT SYSTEM FOR FOOD PLANTS

DESCRIPTION

The new Buckaroos Clean Saddle™ is an innovative PVC Pipe Insulation Saddle, formed to a 180° Arc, is designed as an **indoor only** pipe insulation support for **Clevis Hangers** in food, pharmaceutical, medical, and clean room building construction. The Clean Saddle™ can be totally sealed with PVC Weld Adhesive, which is ideal in food plants. The Clean Saddle™ is available in bright white, and an array of 14 other colors.

Features/Benefits

- Excellent appearance – Standard bright white color gives the piping system an impressive clean appearance.
- Easy to clean – Can be cleaned with a damp cloth to look fresh and clean.
- No rust or corrosion – Will not rust or corrode like carbon steel saddles over time.
- Low cost – Very inexpensive versus Stainless steel saddles.
- Totally Sealed System – When using Clean Saddles™ with Boss NSF Registered #150 Multi Seal, you have a totally sealed system for steam wash downs in food plants. Clean Saddles™ also provide bacteria isolation.
- High Impact Strength – Clean Saddles™ are produced from 60 Mil thick PVC to 6” pipe insulation outside diameter, and produced from 80 Mil PVC thickness from 6.5” to 10” pipe insulation outside diameter.
- Each Saddle Marked – Each Clean Saddle™ has the size stamped in for easy identification.
- Excellent Chemical Resistance – Withstands extreme chemical conditions.
- Multiple colors available – Colors like orange for ammonia refrigeration lines is available.
- Available in high temperature – Clean Saddle™ HT gray is available, which is good to 225° F.

Applications

Clean Saddles™ are used in **Clevis Hanger** piping systems with medium and light compressive strength pipe insulations. These saddles are used with rubber tubing, phenolic foam, polyisocyanurate, cellular glass and fiber glass pipe insulations. They are ideal for use on ammonia refrigeration, chilled water, refrigeration, plumbing and heating piping systems. Clean Saddles™ should not be used on strut, channel, trapeze or roller hangers.

Materials of Construction

Clean Saddles™ are produced from 60 Mil thick PVC to 6” pipe insulation outside diameter, and produced from 80 Mil PVC thickness from 6.5” to 10” pipe insulation outside diameter. Clean Saddles™ HT are made from CPVC and are good to 225° F.

Engineers Guide Specification

Wherever pipe insulation passes through a **Clevis Hanger** pipe support, Buckaroos Clean Saddles™ shall be installed for piping up to 10” pipe insulation outside diameter. A bead of Boss #150 Multi-Seal shall be applied along the longitudinal top lines, and also along the two 180 degree ends giving a complete closure system.

Sizes Available

Clean Saddles™ are 12” long, and are available for pipe insulations to 10” outside diameter.

Technical Properties of Clean Saddle™ PVC Saddles

DESCRIPTION	STANDARD	VALUE
Specific Gravity	ASTM D-792	1.41
Tensile Modulus, PSI	ASTM D-638	361,000 (25,380 kg/cm ²)
Tensile Strength	ASTM D-638	6,011
Flexural Strength, PSI	ASTM D-790	9,396
Izod Impact (1/4") ft. lb./in	ASTM D-256	3.7
Heat Deflection Temperature @ 264 PSI (8.95 kg/cm ²)° F	ASTM D-648	157°F (70°C)
VICAT Softening Temperature	ASTM D-1525	198°F (92°C)

Specification Compliance – PVC Clean Saddles

Poly Vinyl Chloride.....ASTM 1784-92
 United States Department of Agriculture
 Agriculture Canada Authorized
 New York City MEA 243-84-M, Chicago, Los Angeles
 Notes: • PVC manufactured by Proto Corporation, Clearwater, FL

Specifications – Boss #150 Multi-Seal Sealant

NSF Registered for non-food compounds. Meets former USDA P1 Guidelines for use in and around food processing areas.
 Meets TT-S-000230C, Type II, Class A ASTM C920
 Type S, Grade NS, Class 25, Use NT, G, M, A and O
 CAN/CGSB 19.13-M87
 Notes: • Boss #150 Multi-Seal Data Sheet



BUCKAROOS CLEAN SADDLE™ SIZING TABLES

Iron Pipe Size (Inches)	Insulation Thickness				
	½"	1"	1 ½"	2"	2 ½"
1/2	2	3	4	5	6.5
3/4	2.5	3	4	5	6.5
1	2.5	3.5	4.5	5.5	6.5
1 1/4	3	3.5	5	5.5	6.5
1 1/2	3	4	5	6.5	7.5
2	3.5	4.5	5.5	6.5	7.5
2 1/2	4	5	6.5	7.5	8.5
3	4.5	5.5	6.5	7.5	8.5
3 1/2	5	6.5	7.5	8.5	9.5
4	5.5	6.5	7.5	8.5	9.5
5	6.5	7.5	8.5	9.5	11
6	7.5	8.5	9.5	11	12
8	9.5	11	12	13	14

Copper Tube Size (Inches)	Insulation Thickness				
	½"	¾"	1"	1 ½"	2"
5/8	2	2	3	3.5	4.5
7/8	2	2	3	4.0	5.0
1 1/8	2.5	2.5	3	4	5
1 3/8	2.5	3	3.5	4.5	5.5
1 5/8	3	3	3.5	4.5	5.5
2 1/8	3.5	3.5	4	5	6.5
2 5/8	4	4	4.5	5.5	6.5
3 1/8	4.5	4.5	5	6.5	7.5
3 5/8	5	5	5.5	6.5	7.5
4 1/8	5.5	5.5	6.5	7.5	8.5
5 1/8	6.5	7	7.5	8.5	9.5



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