RRSPL-WT-0201 (A)

JCM INDUSTRIES

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Typical Specification

JCM 406 Coated Service Saddle with Double Stainless Steel Straps

Service Saddles for pipe sizes 2" through 12" shall have a wrap around design with a ductile iron body, fusion plastic coated. The coating thickness shall be a minimum of 12 mils with a dielectric strength of over 12,000 volts. The gasket shall be a broad pressure activated design, molded of virgin rubber and bonded into a cavity in the saddle body which provides internal as well as external gasket retention.

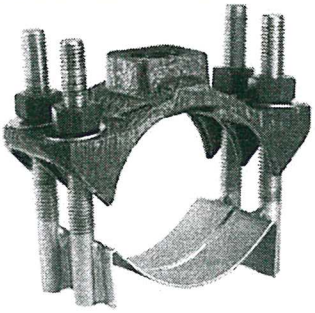
The straps, bolts, nuts and washers shall be 18-8 stainless steel with all welds passivated for resistance to corrosion. The combined strap width shall be 3-1/4" to provide a wide stance on the pipe.

Service saddles for pipe sizes 14" through 24" shall have two (2) 2-3/4" wide stainless steel straps.

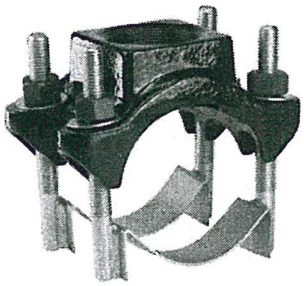
Service Saddles shall be JCM 406 or approved equal.

JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings. Meets Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61 and Standard 61 Annex G Certified.



JCM 406 Service Saddle
Outlet Sizes 3/4" – 1"



JCM 406 Service Saddle
Outlet Sizes 1-1/4" – 2-1/2"

This typical specification, provided by JCM Industries, is a proposed guideline for use by specifying agencies to ensure significant design and material features of this product are included within the agencies' individual specifications.

NSF
Certified to NSF/ANSI 61

Effective 02.09.11

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Material Specification

JCM 406 Coated Service Saddle with Double Stainless Steel Straps

JCM Coated Saddles are constructed of ductile iron with a high density fusion plastic coating and have 18-8 Type 304 Stainless Steel straps, nuts and washers for high corrosion resistance. These saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings.

Body Casting: Wrap around design of Ductile Iron, ASTM A-536 annealed to 60-40-18. Body has a gasket cavity, which provides internal as well as external gasket retention.

Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40°F to 212°F (-40°C – 100°C) Gasket suitable for water, salt solutions, mild acids, bases, and sewage. Optional EPDM gasket available.

Straps: Stainless steel, 18-8 Type 304, the straps are equal to or greater than the internal diameter of the gasket to provide for proper pipe support and gasket loading. Strap is 14 gauge stainless steel. Straps are passivated for corrosion resistance. Optional 316 stainless steel available.

Bolts, Nuts, Washers: Stainless steel, 18-8 Type 304, passivated for corrosion resistance. Nuts coated with Xylan antiseize compound to reduce friction and galling. Nominal Sizes 2" – 3" with 1/2" UNC roll thread, 1/2" stainless washers and heavy hex nuts, nominal sizes 4" and larger with 5/8" UNC roll thread, 5/8" stainless washers and heavy hex nuts. Optional 316 stainless steel available.

Coating: Casting is coated with fusion bonded high density blue plastic, 12 mils minimum thickness, with a dielectric strength of over 12,000 volts. Water absorption less than .20% (less than nylon) prevents undercutting and blistering.

Pressure Rating: Working pressure is 250 PSI hydrostatic. Contact factory if higher working pressure is required.

Sizes: See catalog.

Standards: JCM 400 Series Service Saddles meet or exceed ANSI/AWWA C-800 Standard for Underground Service Line Valve and Fittings.

JCM 400 Series Service Saddles are ANSI/NSF Standard 61 and Standard 61 Annex G Certified.

JCM Industries endorses observance of Uni-Bell Handbook of PVC Pipe/AWWA Manual M23 Design and Installation of PVC Pipe and endorses the recommendations they make for tapping PVC Pipe. Service Fittings are available to adhere to those recommendations.

Information provided base on current data available. Contact JCM Industries Technical Services for modifications or changes.

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