

# JCM INDUSTRIES

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[www.jcmindustries.com](http://www.jcmindustries.com)

## Typical Specification

### JCM 402 Double Strap Service Saddle

Service saddles for pipe sizes 2" through 12" shall have a wrap around design with ductile iron body coated with a shop primer, a broad pressure activated gasket molded of virgin rubber and two corrosion resistant, forged AISI C-1018 steel straps, zinc plated with dichromate seal. The gasket shall be permanently bonded into a cavity in the saddle body, which provides internal as well as external gasket retention. Service saddles shall be JCM 402 or approved equal.

Service saddle for pipe sizes 14" through 24" shall have two 2-1/2" wide fabricated steel straps, coated for corrosion resistance, in lieu of the forged steel straps to provide increased stability on service connections, increased corrosion resistance and increased strength for added safety factor on larger sizes of pipe.

Service Saddles shall be JCM 402 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 402 Service Saddle  
Outlet Sizes 3/4" – 1"



JCM 402 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.*



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## Material Specification

### JCM 402 Double Strap Service Saddle

JCM Service Saddles are constructed of ductile iron with shop primer coating and have corrosion resistant straps. These saddles meet or exceed ANSI/AWWA C-800 Standards for service line 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:** Nominal sizes 2" through 12" have corrosion resistant, forged AISI C-1018 steel straps, zinc plated with dichromate seal. Nominal sizes 14" through 24" have two (2) 2-1/2" wide fabricated steel straps for additional stability and strength coated for corrosion resistance.

**Coating:** Casting is coated with shop primer coating.

**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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