



"THE STANDARD OF EXCELLENCE IN THE INDUSTRY"

## **TAPPING SLEEVES (Stainless Steel – Super Light) - STYLE – CST-SL**

Tapping sleeve shall be made from a top shell section and a back shell section. The back shell section shall be a minimum thickness of 14 gauge, T-304 stainless steel and have receiver bars TIG welded to the shell. The top shell section (branch side) shall be a minimum thickness of 12 gauge T-304 stainless steel. The branch shall be T-304 stainless steel of a minimum thickness of 14 gauge, rolled and seam welded. The branch shall be attached to the Top shell with an outside seam MIG weld and an inside seam TIG weld. The top shell shall have a virgin SBR branch gasket with a branch-side double O-ring seal, a hydraulic-lip seal, a main-side double O-ring seal and a contoured T-304 stainless steel insert molded ring. The test outlet shall be T-304 stainless steel, threaded for a 3/4-NPT test plug, and MIG welded to the branch. The test plug shall be a Teflon-taped, 3/4-NPT brass plug. Each stud bar shall include 5/8-11x7" long, T-304 stainless steel studs, and a Stud bar plate which are MIG welded together. The Stud bars are TIG welded to the Top shell. Armor plates shall be TIG welded to the Top shell to aide in providing full hoop support. **Flanged tapping sleeves** shall have a flange welded to the branch with an outside seam MIG weld and an inside seam TIG weld. The flange shall be T-304 stainless steel, meeting ANSI/AWWA C228 Class SD, ANSI B-16.5 Class 150 mating to ANSI B-16.1 Class 125 with recessed I.D. to accept flanged tapping valves. The flange gasket shall be virgin SBR and shall be attached to the flange with contact cement. **MJ tapping sleeves** shall have MJ gland segments TIG welded on the gasket side, MIG welded on the gland side to the branch. Gland segments shall be T-304 stainless steel of a minimum thickness of 0.25" and shall accept MJ tapping valves. Each receiver bar shall include T-304 stainless steel receiving fingers, and a Receiver bar plate which is MIG welded together. The Receiver bars are TIG welded to the Back shell. The Back shell section shall be attached to the Top shell section using Xylan coated heavy hex nuts, T-304 stainless steel washers, Nylon anti-galling washers and a T-304 stainless steel U-channel washer plate. Both shells shall be lined with a 0.250" thick, virgin SBR, gridded, mat gasket with tapered ends to provide a 360° seal on the pipe. All welds and metal surfaces shall be chemically passivated. The tapping sleeve shall be CST-SL / CST-SL-MJ series as manufactured by Cascade Waterworks Mfg. Co. of Yorkville, IL or approved equal.

1.14.2011