



"THE STANDARD OF EXCELLENCE IN THE INDUSTRY"

## **TAPPING SLEEVES (Stainless Steel – Extra Heavy) - STYLE – CST-EX**

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, T304 stainless steel and have lug bars MIG welded to the shell. Each lug bar shall be T304 stainless steel of a minimum thickness of 7 gauge, and are MIG welded along the top and bottom edges. The top shell section (branch side) shall be a minimum thickness of 11 gauge T304 stainless steel and have lug bars welded to the shell similar to the back shell. The branch shall be T304 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 T304 stainless steel insert molded ring. The test outlet shall be T304 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. 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 T304 stainless steel or ASTM A36, meeting ANSI/AWWA C228 Class SD, 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 on the gland side to the branch. Gland segments shall be T304 stainless steel of a minimum thickness of 0.25" and shall accept MJ tapping valves. The Back shell section shall be attached to the Top shell section using fluoropolymer coated heavy hex nuts, T304 stainless steel washers, and T304 stainless steel 5/8 UNC track bolts. Both shells shall be lined with a 0.25" thick, virgin SBR, gridded, mat gasket with tapered ends to provide a 360° wrap on the pipe. **All weldments shall be fully chemically passivated in accordance with ASTM A380.** The tapping sleeve shall be CST-EX / CST-EX-MJ series as manufactured by Cascade Waterworks Mfg. Co. of Yorkville, IL or approved equal.