Coil Joint Precision Service Tool (PST200)

PST200 COIL JOINT

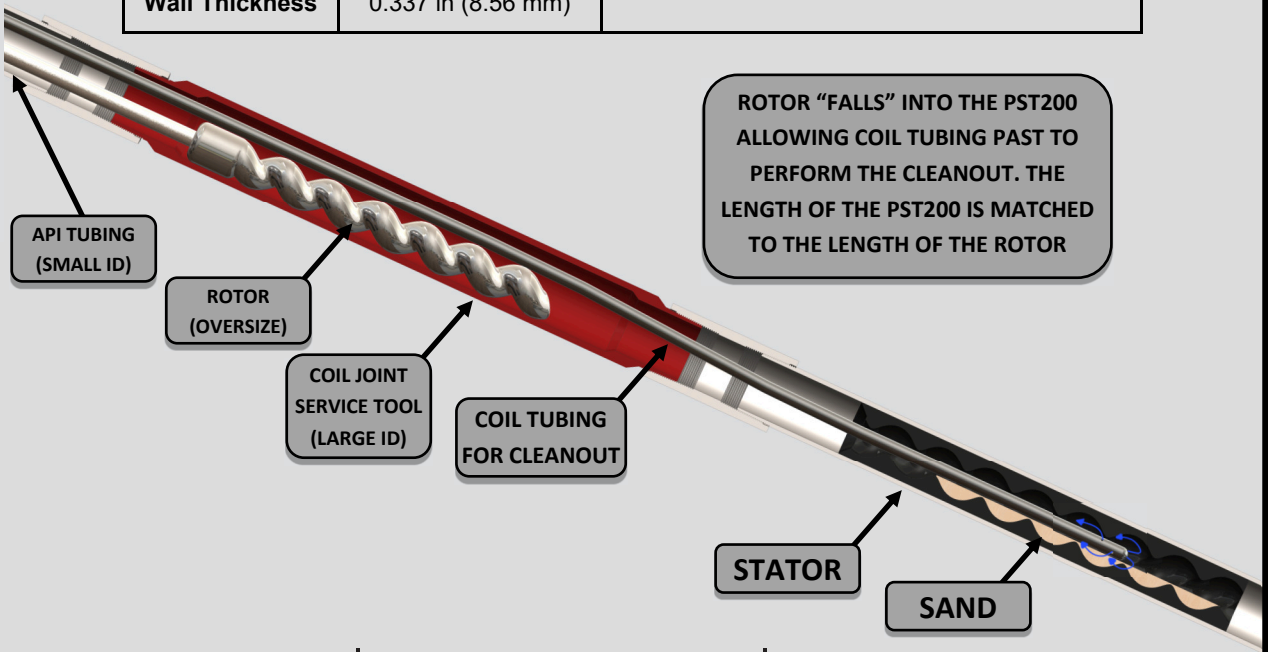
When wells need to be serviced due to high sand cut there is a necessity to use coiled tubing to clean the PCP stator and lower well reservoir.

Most PC pump operations in these conditions have “oversized” rotors vs conventional standard stator and rotor applications. This commonly requires getting a rig to remove the rod and rotor from the well to allow coil to get to the bottom.

PST200 Benefits:

- Tool has the ability to coil past oversized rotors & ensure full stator clean out with 3/4” coil tubing
- Large drift size allows oversized downhole equipment to run
- Coated with STIC200 to withstand erosion and abrasion. Provides excellent sliding wear (rod wear)
- Paired with STIC200 coated rod coupling to reduce wear on the rod and tubing strings while still being able to perform coil clean outs
- Connection nipples with service tool PST200 thread crossing over to customer supplied tubing
- Specifically made to run the PST200 at chosen lengths while keeping the inner diameter the same throughout each length (5’, 10’, 20’, 30’). Custom lengths can be made on location for easy delivery and service. The PST is matched to the length of the rotor saving material, cost, and well string length

PST200 TOOL SPECIFICATIONS			
Thread Type	PST 10	**Drift Size**	3.526 in (97.18mm)
OD	4.500 in (114.3 mm)	**Connection Nipple**	PST10 x PST10
ID	3.826 in (97.17 mm)	**Swedge**	3.5 in EUE x PST10
Wall Thickness	0.337 in (8.56 mm)		



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Coil Joint Internal Coating Wear Control (STIC200)

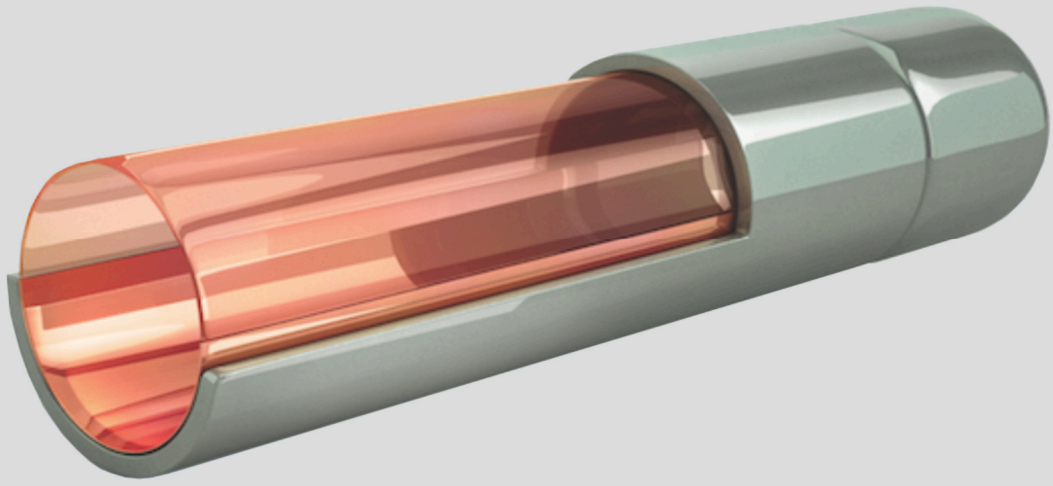
STIC200

STIC 200 Internal Coating Benefits:

- STIC 200 has a Rockwell hardness of 70,which is perfectly suited for heavy wear use
- Bake treatment is a low heat process (~400 °C) and does not affect substrate
- Perfect for high wear and moderate corrosion
- Excellent for sliding wear applications (rod wear)
- Applied to high erosion and abrasive environments
- Suited for high CO2 and H2S producing wells with no ID restrictions
- Bond strength 20 to 60 ksi
- Patent Pending

STIC200 SPECIFICATIONS			
Hardness	1050 HV100 (70 HRC)	**Thermal Expansion**	12 microns/m/C
Elongation	1.0%	**Tensile Strength**	800 MPa
Wear Resistance	8-12 TWI	**Structure**	Micro-crystalline
Magnetic Properties	Slightly Magnetic	**Density**	7.8 g/cm^3
Electrical Resistivity	50-100 μΩ/cm	**COF**	0.18
Corrosion Resistance	Moderate	**RA Reading**	135.7 micro inch
Coating Thickness	1-3 mils	**Bond Strength**	20-60 ksi
Melting Point	880 C		

*Coating spec MAC 200



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