



48.3mm to 177.7mm

*World Leaders in Tubular
Finishing Technologies*

COUPLING STARTER & SCREW-ON MACHINE

MODEL

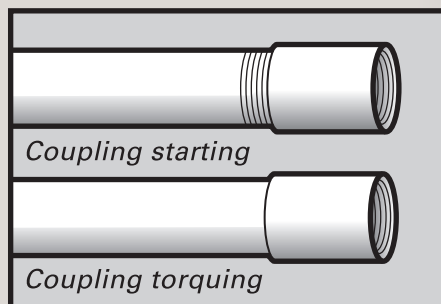
CST07/CS007

48.3mm to 177.7mm*
1.9" to 7"

*Nominal Pipe Size



CST07/CS007



*Tooling designed in accordance
with product specifications.*



Park-Ohio
Company

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Designed for API & Premium Connections

- Automatically Applies Tubing and Casing Couplings
- Controls and Measures Torque, Turns, Stand-Off, "J" Dimension and Shoulder Torque/Turns for Premium Connections
- Displays and Stores Final Values & Graphical Profiles on Operator Interface Terminal (OIT)
- PC Based Windows® Operating System & Data Logger



MODEL
CST07/CS007
TECHNICAL SPECIFICATIONS

World Leaders in Tubular Finishing Technologies

COUPLING STARTER:

- Spindle Speed, Feed and Torque are Independently Controlled
- Floating Spindle Prevents Misalignment of Coupling to Pipe
- Hydraulically Actuated Gripper Head
- Hydraulically Actuated Pipe Chuck with Adjustable Clamping Pressure
- Automatic Coupling Length Measurement
- End of Cycle Options
 - By Torque - 550 N-m max. (400 ft-lbs) max.
 - By Coupling Displacement
- Automatic Measurement and Recording of Preliminary "J" Dimension
- Coupling Loading Chute for Automatic Operation
- Automatic Coupling Greaser with Air Transfer Pump and Flow Measurement

COUPLING SCREW-ON:

- Spindle Speed: Variable
- Spindle Motor power: 75 kW (100 hp)
- Make-Up Torque: 20,000 N-m (14,500 ft-lbs)
- Self Centering Pipe Chuck
- Hydraulically Actuated Pipe Chuck with Adjustable Clamping Pressure
- Hydraulically Actuated Coupling Chuck with Adjustable Clamping Pressure
- Automatic Measurement and Documentation of Torque/Turns/Stand-Off "J" and Shoulder Torque (Premium Connections)

COUPLING STARTER/SCREW-ON:

- PC-Based Windows® Operating System with Ethernet Connection
- Passive Network Communication with Host Computer
- Overall Dimensions: 3525mm x 2850mm
- Total Weight: 13,000 kg (28,600 lbs)

STANDARD FEATURES:

- Operator Interface Terminal (OIT) with PC
- Motor Control Center (MCC with PLC)
- Hydraulic Power Unit (HPU)
- Tooling for API product
- Pre-programmed Make-up Software for TBG, CSG, LCSG and BCSG Product
- Operator Programmable for All Products
- On-Board Operator and Maintenance Manual at Operator Station
- Self Diagnostics Programmed into Machine Control Logic
- Walking Beam Transfer Table

OPTIONS:

- Torque Calibration gauge
- Sub-Base Completely Piped and Wired for Machines and Transfer Table
- Tooling and Programming for Premium Connections
- 50,000 N-m (35,000 ft-lbs) Torque Capability for Premium Connections

CST07/CS007

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