

4½ in 17 lb/ft S13Cr-95 (UNS S41425)

Box end finish: Cu-Plating Lubrication: API-Modified

Clearance: Standard Bevel: 45°

PIPE BODY CHARACTERISTICS

Nominal OD	4.500 in
Nominal ID	3.740 in
Min. Yield Strength	95 ksi
Nominal Wall Thickness	0.380 in
Minimum Wall Thickness	87.5 %
Drift	.3615 in

CONNECTION PROPERTIES

Coupling OD (nominal)	5.110 in
Coupling ID (nominal)	3.791 in
Make-up Loss	3.342 in
Coupling Length	7.441 in
Tension Efficiency	100 % of pipe
Compression Efficiency	100 % of pipe
Internal Pressure Efficiency	100 % of pipe
External Pressure Efficiency	100 % of pipe

CONNECTION PERFORMANCE

Tensile Yield Load	467 klb
Compression Yield Load	467 klb
Internal Yield Pressure	14 040 psi
External Pressure Resistance	14 690 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	307 klb

TORQUE VALUES

Minimum Make-up torque	7 100 ft·lb
Optimum Make-up torque	7 890 ft·lb
Maximum Make-up torque	8 680 ft·lb
Minimum Shoulder Torque	400 ft·lb
Maximum Shoulder Torque	5 520 ft·lb
Maximum Operational Torque	9 470 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV



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PCTDS-SENTINEL_One-4.5-17-S13Cr-95

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