

4½ in 10.5 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	4.052 in
Min. Yield Strength	95 ksi
Nominal Wall Thickness	0.224 in
Minimum Wall Thickness	87.5 %
Drift	3.927 in

CONNECTION PROPERTIES

Coupling OD (nominal)	4.858 in
Coupling ID (nominal)	3.995 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	286 klb
Compression Yield Load	286 klb
Internal Yield Pressure	8 280 psi
External Pressure Resistance	5 310 psi
Max. Bending with API Sealability	20 °/100 ft
Max. Load on Coupling Face	122 klb

TORQUE VALUES

Minimum Make-up torque	3 140 ft·lb
Optimum Make-up torque	3 490 ft·lb
Maximum Make-up torque	3 840 ft·lb
Minimum Shoulder Torque	180 ft·lb
Maximum Shoulder Torque	2 440 ft·lb
Maximum Operational Torque	4 190 ft·lb

Connection qualified as per ISO 13679:2002 - CAL IV

