



Vectraset™

The all-new, all-premium liner hanger

Key Features

- The one-piece, high-strength mandrel has no hidden connections.
- Two-step hanger actuation sequence (hydraulic then mechanical) precludes unintentional running tool release.
- Pressure is contained within the running tool when setting the hanger slips, preventing surge forces on the liner and formation and saving time and displacement fluid.
- The hanger slips are set prior to cementing for maximum reliability (no reliance on plug bumping).
- The large bypass flow area through the set hanger slips facilitates circulation and cementing.
- The mechanically set, expanding-metal, liner-top packer has a bonded elastomeric cover that will not swab off during circulation and cementing.
- The packer seal, hanger cylinder, and tieback seal are rated to 103.4 MPa (15,000 psi) at 180° C (350° F).
- A 20-ft floating-seal tieback receptacle is standard. A latching tieback receptacle is also available.

Technical Specifications & Dimensions

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Casing weight, lb/ft (kg/m)	11.6-13.5 (17.26 -20.09)	15.1 (22.5)
Maximum OD, in. (mm)	6.075 (154.3)	6.075 (154.3)
Minimum ID, in. (mm)	3.925 (99.7)	3.784 (96.1)
Make-up length, ft (m)	25.8 (7.870)	25.8 (7.870)
Torque @upper-end fingers, P-110 compatible, ft-lb (kN-m)	25,000 (33.9)	25,000 (33.9)
Mandrel internal yield pressure, P-110 compatible, psi (MPa)	15,420 (106.3)	19,170 (132.2)
Mandrel collapse pressure, P-110 compatible, psi (MPa)	14,600 (100.7)	17,950 (123.8)
Mandrel tensile strength, P-110 compatible, lb (daN)	424,000 (188,605)	525,640 (233,816)
Torque @upper-end fingers, L-80 compatible, ft-lb (kN-m)	16,000 (21.7)	16,000 (21.7)
Mandrel internal yield pressure, L-80 compatible, psi (MPa)	9,500 (65.5)	13,150 (90.7)
Mandrel collapse pressure, L-80 compatible, psi (MPa)	8,600 (59.3)	9,470 (65.3)
Mandrel tensile strength, L-80 compatible, lb (daN)	270,000 (120,102)	336,500 (149,683)
Packer element differential pressure rating, psi (MPa)	15,000 @350° F (103.4 @177° C)	15,000 @350° F (103.4 @177° C)

Available Sizes

Liner Size and Weight		Casing Size and Weight	
4.5 in.	11.6 lb/ft-13.5 lb/ft and 15.1 lb/ft	7.0 in.	23 lb/ft-26 lb/ft and 29 lb/ft-32 lb/ft
114.3 mm	17.26 kg/m-20.09 kg/m and 22.5 kg/m	177.8 mm	34.23 kg/m-38.7 kg/m and 43.20 kg/m-47.6 kg/m

