

## Vectraset™ Hydraulic Liner Hanger Assembly

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Vectraset hydraulic liner hanger

# Vectraset Hydraulic Liner Hanger Assembly

## Key Features

- Fully compatible with the Multistage Unlimited® frac-isolation system.
- Robust torque-ring clutch enables liner rotation, push, and pull to get the liner to bottom.
- Only the running tool is pressurized when setting the hanger to prevent surge forces on the liner and formation and save time and displacement fluid.
- Unique design prevents premature release of running tool.
- Hanger cone design keeps slips fully recessed and protected from damage during deployment.
- Six hydraulically actuated hanger slips with three pads each to distribute load evenly.
- Primary tool release is hydraulic plus right-hand rotation. Contingency release is mechanical plus right hand rotation.
- One-piece, high-strength mandrel; no hidden connections.
- Expanding metal liner-top packer seal with bonded elastomeric cover that will not swab off; ISO V3 rated to 10,000 psi (68.95 mPa) at 325° F (163° C).
- Standard 4.00-in (101.6 mm) XT-39 connections on running tool.
- Large bypass flow area.
- 20-ft (6.1 m) tieback extension is standard. Other lengths are available on request.

## Dimensions and Ratings

Hanger body maximum OD

|  |                       |
|--|-----------------------|
| 7.00-in., 23.00–26.00 lb/ft<br>(177.8-mm, 34.23–38.7 kg/m) | 6.075 in.<br>154.3 mm |
| 7.00-in., 29.00–32.00 lb/ft<br>(177.8-mm, 43.2–47.6 kg/m)  | 5.850 in.<br>148.6 mm |

|                            |                           |
|----------------------------|---------------------------|
| Hanger mandrel nominal ID  | 3.930 in. (98.82 mm)      |
| Torque @upper-end fingers  | 25,000 lb-ft (33.9 kN-m)  |
| Mandrel API collapse       | 10,000 psi (68.95 mPa)    |
| Mandrel API burst strength | 10,000 psi (68.95 mPa)    |
| Mandrel tension strength   | 417,000 lbf (185,490 daN) |

