

Cased Hole I-Wheel™

The I-Wheel™ is an innovative conveyance device used to convey any tool string into highly deviated well bores. I-Wheels create low contact areas that keep the tool body off the low side of the pipe wall, with a gap to pass over problem areas. They are efficient, consistent, and reliable tools in highly deviated wells up to 84° and reduce the entire string modelled friction by up to 60%.

Cased Hole I-Wheels are routinely used to convey perforating guns. They can be placed above, below, or between gun sections, with the detonating cord run through the mandrel. They allow the gun to rotate independently of the wheels, assisting on the orientation of shot in high or low side perforating.



Specifications

| | |
|---|-------------------------------|
| Maximum Temperature (°F / °C) | 450 / 232 |
| Maximum Pressure (psi / MPa) | 25,000 / 172 |
| Material Hub / Wheels | 17-4 PH/H1150 Stainless Steel |

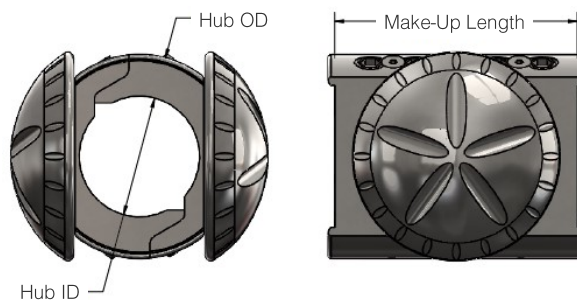
Features and Benefits

- ▶ Provides lift and reduces contact with the pipe wall.
- ▶ Creates standoff which drastically reduces the risk of differential sticking.
- ▶ Free spinning and self-orienting assist deployment.

Mechanical Specifications

| | | | | | | |
|--|---|-----------|----------|------------|------------|-----------|
| I-Wheel Hub OD (in / mm) | 1.5 / 38 | 1.69 / 43 | 2.0 / 51 | 2.875 / 73 | 3.375 / 86 | 4.5 / 114 |
| Hub Make-Up Length (in / mm) | 1.7 / 44 | 2.5 / 63 | 3.1 / 80 | 3.4 / 87 | 3.6 / 92 | 4.2 / 107 |
| Tubing / Casing Range | I-Wheels range from 2-3/8" Tubing up to 7" Casing | | | | | |

*Wheel size and operation dependent on tool OD and tubing/casing restrictions



IMPACT SELECTOR™
Intelligent Conveyance® Technologies



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Accessories

| Perforating Gun Available Sizes* | | | | | | | |
|-----------------------------------|---|------------|------------|------------|------------|-----------|------------|
| Gun OD (in / mm) | 2.0 / 51 | 2.75 / 70 | 2.875 / 73 | 3.125 / 79 | 3.375 / 86 | 3.50 / 89 | 4.50 / 114 |
| | Varies depending on customer requirements | | | | | | |
| Gun Make-Up Length (in / mm) | | | | | | | |
| E-line Sub Available Sizes* | | | | | | | |
| Sub OD (in / mm) | 1.5 / 51 | 1.69 / 43 | 2.0 / 51 | 2.125 / 73 | 2.50 / 64 | 2.75 / 70 | 2.875 / 73 |
| Sub OD (in / mm) | 3.125 / 79 | 3.375 / 51 | 3.5 / 89 | 3.625 / 92 | 3.875 / 98 | 4.0 / 102 | 4.5 / 114 |
| Sub Make-Up Length (in / mm) | Varies depending on customer requirements | | | | | | |
| Slipover Sleeve Available Sizes | | | | | | | |
| Tool OD (in / mm) | 1.5 / 38 | 1.69 / 43 | 2.0 / 51 | 2.125 / 73 | 2.50 / 64 | 2.75 / 70 | 2.875 / 73 |
| Make-Up Length (n/a) (in / mm) | Slipover Sleeves attach onto the tool string which reduces tool string length | | | | | | |

*Connections to suit customer requirements.



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