

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

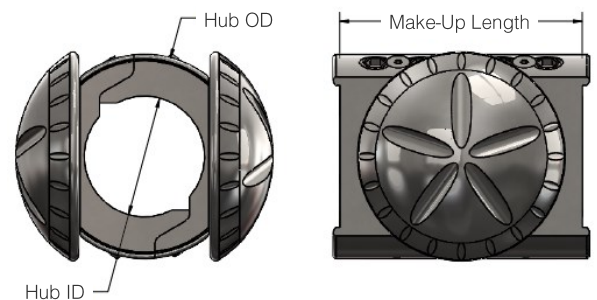
Features and Benefits

- ▶ 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



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							
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	
	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	
	Slipover Sleeves attach onto the tool string which reduces tool string length							

*Connections to suit customer requirements.

