

Cased Hole I-Wheel™

Free-spinning, self orientating conveyance tool designed to overcome deployment difficulties in cased hole applications.

The I-Wheel™ is an innovative conveyance device used to convey any tool string into highly deviated wellbores.

I-Wheels can be placed anywhere along the tool string. I-Wheels create low contact areas that keep the tool body off the low side of the bore 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 modelled friction by up to 80%.

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.

A wide range of I-Wheel designs are available for any tubing, casing, or borehole size. Optional in-line or over-body variants enable the best tool configuration for optimum deployment.

Custom-engineered sizing and bespoke mounting variants are developed by Impact Selector upon request to suit specific applications and well conditions.

Features / Benefits

- ▶ Lifting force placed at a tangent reduces contact with the bore wall.
- ▶ Ballistic durable with sealed bearings.
- ▶ Creates standoff which significantly reduces abnormal contact friction.
- ▶ Reduces fishing operations by 90%.



Environmental Specifications

Max Temperature (°F/°C)	450 / 232
Max Pressure (psi/MPa)	25000 / 172
Material Body/Wheels	17-4PH H1150 Stainless Steel

Mechanical Specifications

I-Wheel	1-11/16"	2"	2-7/8"	3-3/8"	3-3/8" XLT	4-1/2"
Outer Diameter (in/mm)	1.69 / 43	2.0 / 51	2.875 / 73	3.375 / 86	3.375 / 86	4.5 / 114
Make-Up Length (in/mm)	2.5 / 63	3.1 / 80	3.4 / 87	3.6 / 92	5.45 / 138	4.2 / 107



IMPACT SELECTOR™
Intelligent Conveyance® Technologies



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