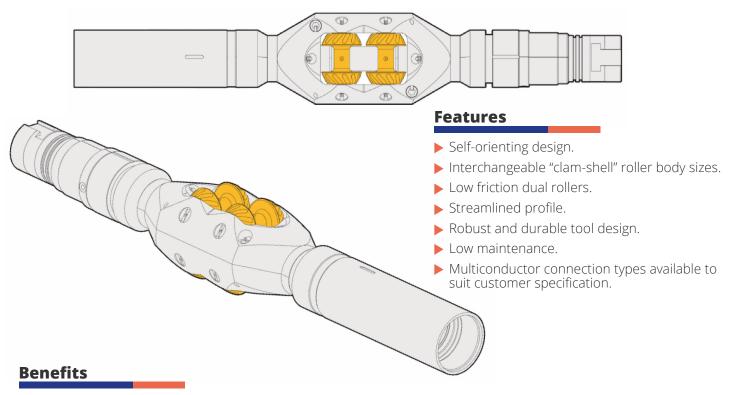
Roller Bogie® Multiconductor Electric Wireline

Run wireline safely at greater deviations before costly alternatives need to be considered



- Extends the envelope for wireline deployed high deviation logging.
- ► Enables delivery of high quality data through wireline logging.
- ▶ Improves data quality by eliminating tool string "slip-stick", achieving more constant logging speeds.
- ▶ Reduces operational cost and risk significantly compared to pipe conveyed logging.
- ▶ Reduces the risk of tool string differential sticking

Open hole wireline logging is relatively straightforward in vertical wells. As deviation increases to even moderate angles, the resulting friction between these heavy tools and the variable wellbore surface can restrict wireline conveyance or even make it impossible.

Greater deviation also increases the risk of differential sticking and such difficult conditions may cause wireline to be abandoned and hugely increase costs incurred for pipe-conveyed logging operations.

With proven success in conveyance solutions, Impact Selector's unique patented Roller Bogie technology increases the safe operating envelope for wireline tools in open hole. Wireline can now be run safely at greater deviations than have previously been possible, before costly alternatives such as pipe conveyed logging need to be considered.

The Roller Bogie is equally as effective in cased hole environments to extend wireline access for cement logging, plug setting, and other cased hole operations with larger tools.

The roller body rotate freely around the mandrel which is connected to the host tool string. The high-lift roller design creates a standoff to ensure maximum friction reduction and to manage the risk of differential sticking. Various size roller body sets can be supplied depending upon the hole, casing size, and tool string outside diameter and are clamped around the mandrel without the need for re-wiring.

The Roller Bogie tool enables easier and deeper access with significantly reduced risk. Tools are available in a range of sizes, with connections for all major service company logging tools and can be re-sized without removal from the tool string.





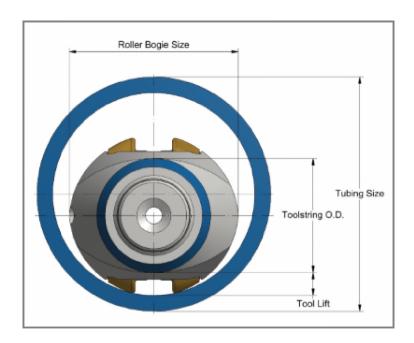
1-800-238-9239







www.impactselector.com



Applications

- ► Formation Evaluation
- ► Formation Sampling
- ► Plug Setting
- ► Cement Evaluation

Specifications

Roller Bogie Size (in / mm)	3.850 / 97.79	4.000 / 101.6	4.350 / 110.5	4.750 / 120.7	5.500 / 139.7	5.750 / 146.1	6.000 / 152.4	6.500 / 165.1	7.125 / 181.0	8.300 / 210.8
Weight (lbs / kg)	53 / 24.04	55 / 24.95	57 / 25.85	57 / 25.85	72.5 / 32.89	80 / 36.29	94.5 / 42.86	95 / 43.09	99 / 44.91	116 / 52.62
Length (in / mm)	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2	28 / 711.2
Maximum Tool OD Conveyed (in / mm)	3.375 / 85.73	3.375 / 85.73	3.500 / 88.90	3.875 / 98.73	4.750 / 120.7	5.000 / 127.0	5.125 / 130.2	5.625 / 142.9	6.250 / 158.8	7.500 / 190.5
Temperature Rating (°F/°C)	350 / 177									
Pressure Rating (psi / MPa)	15,000 / 103									
Service Type	Standard or Sour Service available									
Connection Type	Connections available to suit customer specifications									

^{*}Tool weights and lengths are average values per Roller Bogie size.

^{**} Recommended maximum tool OD that can be conveyed using a particular Roller Bogie size.













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