Roller Bogie®

Reaches greater deviations, improves data quality and provides stand-off with a reliable, inline roller solution

Applications

- Cased-hole

Features and Benefits

- 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 stick-slip, achieving more constant logging speeds
- Reduces operational cost and risk profile significantly in comparison to pipe conveyed logging
- Reduces the risk of tool string differential sticking

Tool Description

The Weatherford Roller Bogie increases the safe operating envelope for wireline tools in open holes.

Openhole 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.

Wireline can now be run safely at greater deviations than has previously been possible, before costly alternatives such as pipe conveyed logging needs 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 rotates freely around the mandrel which is connected to the host toolstring. The high-lift roller design stands the toolstring off the side wall 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 toolstring outside diameter, and are clamped around the mandrel, without the need for re-wiring.

Weatherford®

Roller Bogie®

Specifications

Size	Weight	Length	Maximum Tool OD Conveyed	Temperature Rating	Pressure Rating
3.850 in. (97.79 mm)	53 lb (24.04 kg)	28 in. (711.2 mm)	3.375 in. (85.73 mm)	350°F (177°C)	15,000 psi (103 MPa)
4.000 in. (101.6 mm)	55 lb (24.95 kg)		3.375 in. (85.73 mm)		
4.350 in. (110.5 mm)	57 lb (25.82 kg)		3.500 in. (88.90 mm)		
4.750 in. (120.7 mm)			3.875 in. (98.73 mm)		
5.500 in. (139.7 mm)	72.5 lb (32.89 kg)		4.750 in. (120.7 mm)		
5.750 in. (146.1 mm)	80 lb (36.29 kg)		5.000 in. (127.0 mm)		
6.000 in. (152.4 mm)	94.5 lb (42.86 kg)		5.125 in. (130.2 mm)		
6.500 in. (165.1 mm)	95 lb (43.09 kg)		5.625 in. (142.9 mm)		
7.125 in. (181.0 mm)	99 lb (44.91 kg)		6.250 in. (158.8 mm)		
8.300 in. (210.8 mm)	116 lb (52.62 kg)		7.500 in. (190.5 mm)		

Service Type: Standard, Sour, or Severe 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.