

Inflatable Packers

Mechanical Collar Locator

Weatherford's mechanical collar locator is a special tubing sub with indexing drag blocks that indicate casing collar locations as the sub is run into or out of the hole. The tool enables accurate depth determination when used with straddle acidizing tools and collar logs for placing packers, plugs, and cement retainers.

Applications

- Provides a simple, reliable method of locating casing collars with the tubing string for correlation purposes
- Can be used with a mechanical collar locator sub in horizontal and vertical well applications with premium thread connections

Features, Advantages and Benefits

- The locator can be configured to indicate collars as it is run into or out of the hole, providing operational flexibility.
- Rugged construction gives the locator adequate strength to withstand side loadings and indicate collar location, proving reliability even in high-angle and horizontal wells.
- The mechanical collar locator shows positive service-tool positioning in relation to the ports of an inflatable packer or a mechanical port collar, enabling proper inflation or cementing.

Specifications

Casing				Indicator Block Travel		Tool Body		
OD (in./ <i>mm</i>)	Weight (Ib/ft, <i>kg/m</i>)	Minimum OD (in./ <i>mm</i>)	Maximum OD (in./ <i>mm</i>)	Minimum (in./ <i>mm</i>)	Maximum (in./ <i>mm</i>)	Maximum OD (in./ <i>mm</i>)	Minimum ID (in./ <i>mm</i>)	Standard Thread Connections (in.)
4-1/2	9.5 to 13.5	3.920	4.090	3.750	4.240	3.750	2.000	2-3/8
114.30	4.3 to 6.1	99.57	103.89	95.25	107.70	95.25	50.80	(EU 8rd)
5	11.5 to 18.0	4.276	4.560	4.040	4.690	3.750	2.000	2-3/8
127.00	5.2 to 8.1	108.61	115.82	102.62	119.13	95.25	50.80	(EU 8rd)
5-1/2	13.0 to 23.0	4.670	5.044	4.440	5.320	4.120	2.000	2-3/8
139.70	5.8 to 10.4	118.62	128.12	112.78	135.13	104.65	50.80	(EU 8rd)
7	17.0 to 38.0	5.920	6.538	5.500	6.630	5.500	2.500	2-3/8
177.80	7.7 to 17.2	150.37	166.07	139.70	168.40	139.70	63.50	(EU 8rd)



weatherford.com

© 2002–2011 Weatherford. All rights reserved. 2787.01

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford and may be registered in the United States and/or other countries. Weatherford products named herein may be protected by one or more U.S. and/or foreign patents. For more information, contact patents@weatherford.com. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.