

APPLICATION

The DynaEnergetics Radioactive Marker Sub provides an effective means to accurately determine precise gun/tool total depth. The sub is run in the TCP assembly, and located a measured distance above the gun string.

A gamma ray logging tool detects the small radioactive marker*, which must be inserted by the wireline operator into the void machined into the sub body. The log taken after initial positioning of the tubing string, will vividly display the location of the marker sub. Comparison to open hole logs will allow the operator to confirm accurate gun placement prior to activating detonation.

The sub may be used in a TCP string for accurate locating of any component in the string.

As with other products in DynaEnergetics line, a Teflon seal ring is incorporated in the female EUE threads to improve seal reliability.



SPECIFICATIONS

Nominal Size	60 mm / 2 3/8"	73 mm / 2 7/8"	89 mm / 3 1/2"
Part number	2317788	2317789	2319562
Weight	2 kg / 4.4 #	3.3 kg / 7.28 #	3.9 kg / 8.6 #
Overall Length	165.1 mm / 6.5"	177.6 mm / 6.99"	178 mm / 7.0"
Maximum OD	78 mm / 3.063"	93 mm / 3.668"	110 mm / 4.325"
Minimum ID	50.7 mm / 1.995"	62 mm / 2.441"	77.8 mm / 3.068"
Temperature Rating	Varies with elastomer; 204°C with standard viton seal.		
Pressure Rating	68.9 MPa / 10,000 PSI		
Tensile	53 250 kg / 117 400 #	73 980 kg / 163 100 #	111 130kg / 245 000 #
Connections	2 3/8" EUE box up, pin down	2 7/8" EUE box up, pin down	3 1/2" EUE box up, pin down
Material	4140 HTSR		

* Radioactive pellets are available in a variety of materials, strengths, and half-lives. Consult your preferred vendor and appropriate government departmental representatives for information regarding the handling, storage and transportation of these regulated materials.

Note: Product condition must be monitored, inspected and maintained regularly to ensure proper service in accordance with DynaEnergetics guideline. Failure to do so may result in personal injury and/or property damage. For questions please contact your DynaEnergetics representative.