

DESCRIPTION

DynaEnergetics offers a ported and non-porting differential pressure sub for TCP applications (non-porting version pictured). The DynaEnergetics differential pressure sub maintains pressure differential, in favor of the annulus, between the production tubing and the annulus. Typically used in overbalanced perforation situations, the sub creates an underbalanced well condition during perforation.

The drop bar, used to activate the mechanical firing head, will contact and shatter the ceramic dome immediately prior to striking the firing pin and in turn detonating the gun(s). With the pressure barrier broken, annular fluid pressure combined with formation pressure cause a surge into and up the tubing string. This action serves to clean out the perforation tunnels and aids the flow of hydrocarbons into the well.

The ported model is typically used if the differential sub is to be located below a packer, while the non-porting model may be selected for use either above or below a packer.

FEATURES

- Additional face seal between ceramic dome and top part of sub provides superior seal assurance.
- Incorporates a Teflon seal ring in the female EUE threads to improve seal reliability.
- Ceramic dome can withstand 10,000 psi on the convex side.
- Additional sizes available upon request.



SPECIFICATIONS - NON-PORTED VERSION

Nominal Size	60 mm / 2 3/8"	73 mm / 2 7/8"
Part number	2317690	2317691
Weight	4.7 kg / 10.36 #	7.1 kg / 15.65 #
Overall Length	307 mm / 12.085"	318 mm / 12.52"
Maximum OD	78 mm / 3.063"	93 mm / 3.668"
No-Go ID	50.7 mm / 1.995"	62 mm / 2.441"
Temperature Rating	Varies with elastomer; 204°C / 398°F with standard Viton seal	
Pressure Rating	10,000 psi / 68.9 MPa (Convex Side)	
Tensile	117,400 # / 53,250 kg	163,100 # / 73,980 kg
Connections	2 3/8" pin X box	2 7/8" pin X box
Material	4140 HTSR	
Redress Kit	2317694	2317695

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.