



**PL-DS**

## Depression differential sub PL-DS

- The single or twin port-less is used in perforating systems to provide an economical method of achieving the required depression between the tubing string and the well formation.
- The device includes a high-strength ceramic dome-shaped cup (or two dome-shaped cups), preventing communication between the tubing and annular space prior to discharge from the surface of the initiating rod.
- The dome cup holds pressure up to 10,000 psi below the device (in the twin design, pressure is held above and below the device).
- A depression differential sub is installed in the tubing string, typically above or below the packer to create the required depression and prevent fluid from entering the tubing string.

### Special Features:

- economical alternative to profile nipple with a BLANKING PLUG;
- full-bore opening of the inner diameter after the ceramic dome is removed;
- application as a barrier for activation of hydraulic equipment;
- high temperature properties;
- allows for tubing tests up to 10,000psi (68.9MPa);
- application in the environment with H<sub>2</sub>S and CO<sub>2</sub>.

Tubing Size in / (mm)	OD in / (mm)	ID in / (mm)	WORKING PRESSURE PSI / MPa
2 3/8" (60,3)	3.34 (85)	1.97 (50)	10,000 PSI (68,9 MPa)
2 7/8" (73,0)	3.67 (93,2)	2.50 (63,5)	10,000 PSI (68,9 MPa)
3 1/2" (89,0)	4.5 (114,3)	3.00 (76,2)	10,000 PSI (68,9 MPa)

\* design dimensions can be changed and manufactured to individual technological conditions of the customer's well