

PE-500 Pumpout Plug

The PE-500 pumpout plug is used to form a temporary bridge in the tubing string to set a hydraulically actuated packer.

APPLICATION

- Temporary bridge in the tubing string to set a hydraulically actuated packer in single and dual completions

BENEFITS

- Low cost
- Wide choice of shear-out pressures
- Integral guide bottom

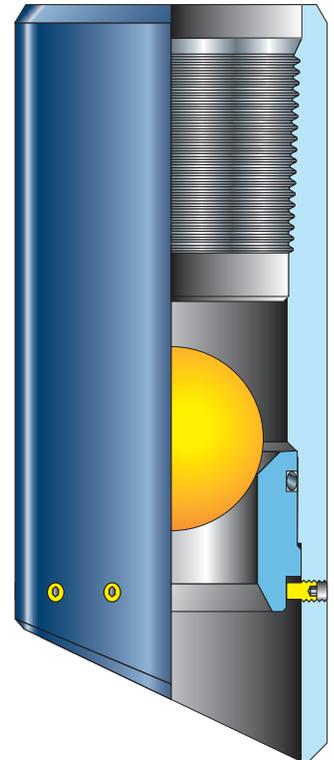
FEATURES

- Adjustable shear value
- Reentry guide bottom
- Fullbore after actuation
- Available in standard and premium materials
- Optional bronze or phenolic balls

The plug is constructed with a beveled lower end to aid in the reentry of slickline tools, and it is attached on the bottom of the tubing string. The pumpout plug is designed to accommodate a maximum of ten shear screws. Each screw installed allows the ball and seat to withstand 500-psi [3,448-kPa] differential pressure.

DESCRIPTION AND OPERATION

A temporary plug is established below the packer by dropping a ball down the tubing string and allowing it to fall to the seat contained in the PE-500 pumpout plug. The required packer setting pressure is applied and held for the time required for the specific packer application. After the packer has been set, tubing pressure is increased to shear the pins retaining the ball seat. The ball and seat fall to the bottom of the well, leaving the pump plug housing with a fully open tubing ID.



PE-500 Pumpout Plug Specifications

Tubing		Pumpout Plugs			
OD (in. [mm])	Weight (lbm/ft)	Max. OD (in. [mm])	ID of Ball Seat (in. [mm])	Dropping Ball OD (in. [mm])	ID of Tool After Shear (in. [mm])
1.900 [48.3]	2.8	2.500 [63.5]	1.000 [25.4]	1.250 [31.8]	1.531 [39.8]
2.375 [60.3]	4.7	3.062 [77.8]			1.937 [49.2]
2.875 [73.0]	6.5	3.668 [93.2]	1.250 [25.4]	1.500 [38.1]	2.375 [60.3]
3.500 [88.9]	9.3	4.500 [114.3]	2.250 [57.2]	2.500 [63.5]	2.937 [74.6]
4.500 [114.3]	12.8	5.563 [141.3]	3.250 [82.6]	3.500 [88.9]	3.937 [100.0]
5.500 [139.7]	17.0	6.050 [153.7]	1.875 [47.6]	2.000 [50.8]	4.500 [114.3]