

# HRB

## Retrievable Bridge Plug

HYDRAULIC RETRIEVABLE BRIDGE PLUG

This bridge plug is designed for temporary or permanent plugging the well section below the packer. The packer body includes bi-directional slips, rubber tube, self locking kit, base pipe, and fishing head.

### APPLICATION

- » Mainly applied in testing, fracturing, acidizing, water plugging, and other operations under pressure.
- » Suitable for vertical well, deviated well, directional well, horizontal well.

### FEATURES

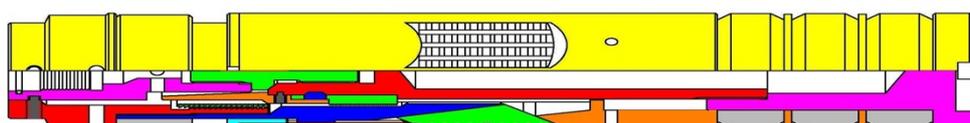
- » With sand control device.
- » With bi-directional slip.
- » High temperature, high pressure.
- » Can be retrieved via fishing tool.

### OPERATION

The HRB is a hydraulic setting bridge plug. It takes step locking, bi-direction slip, and special releasing tool to release.

When HRB bridge plug is lowered down to the desired position, throw the ball and pump fluid into the tubing, as the pressure rises, it pushes the plug, activates the pressure ring to compress the rubber tube, meanwhile, the upper & lower cone prop open the slip to anchored on the casing, and the check mechanism inside the self-locking mechanism locked the base pipe, thus formed the locking, then set.

When the pressure reach a certain value, the locking mechanism is locked, the claw inside the separate sub lose hold, enables the bridge plug and string leave the sub, in the meantime, leave out the fishing head, lower the fishing collar to catch the fishing head, then uplift to open the locking mechanism, the slip under the action of the spring, then draw back, the rubber tube then recover, then the release is completed.



### PARAMETER GUIDE

Part No.	OD (mm)	ID (mm)	Length (mm)	Temp/Pres (°C/MPa)	Thread
HRB001	110	35	660	120/50	2 <sup>7</sup> / <sub>8</sub> " EU
HRB002	114	35	670	120/50	2 <sup>7</sup> / <sub>8</sub> " EU

Note:

Temperature options: 60, 80, 100, 120, 135, 150C°.

Pressure options: 25, 35, 50, 70Mpa.

Thread options: 2<sup>7</sup>/<sub>8</sub> " EU.