

# KOBE SUB

## PRESSURE RELEASE SUB

### INNOVATION REVEALED

The **Pressure Release Kobe Sub** allows equalization of the TCP BHA to the annulus for pressure testing the packer. Communication is established by breaking the Kobe pin with the wireline logging tools once the packer is set.

### FEATURES

- Safe, economical, simple and reliable
- Packer pressure testing ability
- Designed to ensure high pressure ratings
- Simple mechanical method to break the Kobe
- Pin is designed to prevent sticking of the wireline tools
- Redress Kits Available

### OPERATIONS

The Magnum Kobe Sub Assembly is commonly placed below the production packer and above the Magnum Underbalanced Sub when using the Mechanical Protect Firing Head. Once the TCP BHA is correlated into position, the Kobe can be broken off by the wireline logging tool. The production packer can now be tested by applying hydraulic pressure above the packer in the tubing casing annulus.

**WARNING:** Only qualified personnel should use or assemble Magnum TCP equipment. Use of Magnum TCP equipment in contrary to our specifications may result in property damage, injury or fatality. If you are not trained in the handling and the use of explosive devices, DO NOT attempt to assemble any Magnum Perforating Systems or Magnum Firing Devices.



\* Other thread types available upon request / \*\* Use VITON 90 DURO O-RINGS

O.D. inch (mm)	BOX X PIN CONNECT* inch (mm)	TOOL I.D. inch (mm)	OPERATING RANGE **	LENGTH inch (mm)
3.062 (77.8)	2-3/8 EUE (60.3)	1.995 (50.8)	450°F 15,000 psi  (232°C) (103.4MPa)	8 (203.2)
3.688 (93.7)	2-7/8 EUE (73.0)	2.441 (62.0)		
4.500 (114.3)	3-1/2 EUE (88.9)	2.992 (76.0)		10 (254.0)