

MCAP®

Mechanical Casing Annulus Packer



The MCAP® is a mechanically set packer designed to seal off the annulus between two casings. It is activated by a drill pipe deployed activation tool, having over pull when latched into the MCAP®.

The MCAP® is qualified as a gas barrier according to ISO 14998/14310, pressure rating up to 10,000 psi. The MCAP® can be used as a stand alone tool for isolation of the annulus between two casing and also in combination with a Cflex where the MCAP® will create a fundament for placing cement above.

Benefits

- Mechanically activated
- Un-restricted ID compared to casing string
- High pressure rating
- High temperature rating
- High tensile and compression ratings

Features

- ISO14310 VO qualified
- 10,000 psi pressure rating
- Sour Service qualified

Specifications

Tool OD inches- mm)	9 5/8" x 13 5/8"	13 5/8" x 18 5/8"
Pressure rating burst-collapse, psi (bar)	10000-9732 (690-671)	6422-3976 (443-274)
Temperature rating °F (°C)	68- 350 (20 - 177)	68-266 (20-130)
ISO 14310 VO qualified	Yes	Yes
Setting range element, in	12 - 12.594	17.249 - 17.981
Typical application	Casing / Tieback Annulus Isolation Packer	Casing / Tieback Annulus Isolation Packer
Type of service	Sour Service / Standard	Sour Service
Elastomer	Aflas / HNBR	Aflas
Conveyance methods	MCAP® run as part of the casing, activation tool run on drill pipe	MCAP® run as part of the casing, activation tool run on drill pipe

Contact your Archer Representative for more technical information.