


# Caledyne Bypass Packer



# 3 cable conduits bypass the packer



## Over view

The Caledyne Bypass Packer is a hydraulic set high-pressure single string retrievable packer, which uses an elastomeric packing element to provide a full barrier in the well. The packer is tubing deployed and is set using hydraulic pressure. The Caledyne Bypass packer has 3 cable conduits encapsulated in 3/8" 316L control line which are sealed using metal to metal compression fittings.

The packer is retrieved by straight pull and is of a concentric design eliminating retrieval issues experienced with dual packers.

## Key Benefits

Based on field proven technology, the simple and robust design minimises part count and complexity.

The single piece mandrel minimises potential leak paths and has a premium connection below the packing element.

Timed slips and shear release (field adjustable) to ease packer retrieval.

Maximum production flow area.

Dual piston design to maximise setting force and ensure correct pack off.

Debris Sleeve protects cables from flow erosion.

# Application

Electric submersible pump installations.

Deviated and horizontal wells.

Intelligent wells / downhole gauges.

Chemical injection.

# Certification

Each packer design undergoes a comprehensive qualification programme. Caledyne welcome customer involvement in the qualification programme. Qualified to ISO14310 V3.

# Technical Information

Parameter	4-1/2"	5"
OD <sub>MAX</sub>	3.780" (96.0mm)	4.154" (105.5mm)
ID <sub>MIN</sub>	1.77" (44.958mm)	
Length	62" (1577mm)	
Packing Element Material	HNBR as Standard	
Setting Pressure	3,000 - 4,000psi (207 - 276 Bar)	
Shear Rating	40,000lbs	
Cable Size (ESP Application)	3 x #6 AWG Power Cable Encapsulated in 3/8" x 0.35" 316L Control Line	
Metallurgy	AISI 4140-4145 18-22Rc 80ksi Alloy Steel	
Metallic Coating	QPQ	
Connections	2 3/8" 4.6# EU Pin x Pin	

Other sizes available on request.

Tel: +44 (0) 1224 826827  
Email: [enquiry@caledyne.co.uk](mailto:enquiry@caledyne.co.uk)  
Web: [www.caledyne.co.uk](http://www.caledyne.co.uk)

Caledyne Ltd  
Unit 24, Twin Spires  
Mugiemoss Road  
Aberdeen  
AB21 9BG