

DESCRIPTION

A-MR3, A-151 – Mechanical set Double Grip Retrieval Packer

The A-MR3 is a Mechanical set retrievable packer holds pressure from above and below. The Packer is set by application of quarter turn rotation, followed by slacking off weight onto the packer.

Simple quarter turn setting mechanism, allows for multiple setting and unsetting cycles in a single run, thereby making it ideal for testing of the casings, stimulation and treating applications in a double-grip configuration

FEATURES

- Large bypass & Long Stroke
- Double grip with hold down buttons hold differential pressure of bottom hole
- Right handset J-Pin setting
- Compression set & Straight pick up release

BENEFITS

- Large Bore option available
- Multiple setting and Unsetting cycles per run
- Long stroke mandrel simplifies circulation of fluids without releasing the packer
- Optional left-hand J available

APPLICATIONS

- Production
- Testing and treating applications
- Stimulation

Available in sizes for various casing sizes for their respective weight ranges with varying standard or exotic material and elastomers based on compatibility with the well environment and application requirement. In addition, packers are furnished with different end connections (Standard API EUE or NUE or premium), to meet customer's requirements.

Also available in single grip (A-MR3-S, A-288) large bore versions for casing sizes ranges: 5-1/2" ~ 7".

OPERATING PROCEDURES:

Setting:

Make up the packer with the work string and run the tool to the desired setting depth. Slowly pick up the tool and rotate the tubing 1/4 turn to the right (or left, as per configuration). Set down and pack off the tool.



Releasing:

Equalize the pressure above and below the packer by picking up on the work string approximately 20", which allows the by-pass on the packer to open. Allow plenty of time for the packer to equalize. Pick up on the work string and return the tool to running position.

DIMENSIONAL SPECIFICATIONS

Casing			Packer		
Size		weight	ID	OD	Thread Connection
in.	mm	lb/ft	in.	in.	Box up X Pin down
4-1/2	114.3	9.5 – 13.5	1.85	3.771	2-3/8 EU 8 RD
5	127.0	15 – 18		4.125	
		11.5 – 15		4.25	
5-1/2	139.7	20 – 23	1.97	4.5	
		15.5 – 20		4.641	
		13.0 – 15.5		4.781	
6-5/8	168.3	24	2.44	5.656	2-7/8 EU 8 RD
7	177.8	38		5.812	
		32 – 35		5.968	
		26 – 29		6.078	
		20 – 26		6.266	
		17 – 20		6.453	
7-5/8	193.7	33.7 – 39	6.672		
		24.0 - 29.7	6.812		
		20 – 24			
9-5/8	244.5	47 – 53.5	2.99 or 3.96	8.213	3-1/2, 4-1/2 EU 8 RD
		40 – 47		8.432	
		36 – 43.5		8.530	
		29.3 – 36		8.588	
10-3/4	273.05	33.7 – 55.5		9.5	

Additional sizes with weight ranges are available as required