

DESCRIPTION

A-HRP1, A-018 – Hydraulic Retrieval Packer

The A-HRP1 is a hydraulic set hydrostatic assisted retrievable packer. The A-HRP1 does not require any mechanical manipulation of the production to be set, making it optimal for situations where mechanical manipulation is not feasible.

The Packer is run to the desired depth and a predetermine pressure is applied to the packer which shears the shear pins and sets the Packer.

The A-HRP1 features hold down buttons, which resist pressure from below and prevent the Packer from moving up.

The Packer can be retrieved by straight pull or optional rotational release.

FEATURES

- Hydraulically set
- Hold Down Buttons to resist pressure from below
- Locked setting force
- Straight Pull or Rotational release

BENEFITS

- No mandrel movement allows the tubing to be left in tension, compression or neutral.
- Built-in unloader and bypass aids in releasing and retrieving
- Pack off is mechanically locked and constantly reinforced by hydrostatic pressure
- Withstands high differential pressures.
- Adjustable shear release system

APPLICATIONS

- Shallow and deep wells
- Vertical and deviated wells
- Isolation of production zone

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 large bore versions for casing sizes ranges: 6-5/8" ~ 9 5/8".



DIMENSIONAL SPECIFICATIONS

Casing			Packer				
Size		Weight	Size	ID	OD	Thread Connection	
in.	mm	lb/ft		in.	in.	Box up X Pin down	
4-1/2	114.3	9.5–13.5	43A	1.978	3.771	2-3/8 EU 8 RD	
5	127.0	15–18	43B	1.978	4.125		
		11.5–15	43C		4.250		
5-1/2	139.7	26	43C	1.978	4.250		
		20–23	45A2		4.500		
		15.5–20	45A4		4.641		
		13–15.5	45B		4.781		
6	152.4	26	45B	1.978	4.781		
		20–23	45C		5.062		
		15–18	45D		5.156		
6-5/8	168.3	34	45E2	1.978	5.406		
		28–32	45E4		5.484		
		24–28	46A4	2.416	5.588	2-7/8 EU 8 RD	
7	177.8	38	46A4	2.416	5.88		
6-5/8	168.3	24	47A2	2.416 or 2.000	5.656	2-3/8 or 2-7/8 EU 8 RD	
		17–20	47A4		5.812		
7	177.8	38	47A2	2.416 or 2.000	5.656		
		32–35	47A4		5.812		
		26–29	47B2		5.968		
		20–26	47B4		6.078		
		17–20	47C2		6.266		
7-5/8	193.7	33.7–39	47C4	2.416 or 2.000	6.453		
		24–29.7	47D2		6.672		
		20–24	47D4		6.812		
8-5/8	219.1	44–49	49A2	3.000 or 2.416 or 2.000	7.312		3-1/2 or 2-7/8 or 2-3/8 EU 8 RD
		32–40	49A4		7.531		
		20–28	49B		7.781		
9-5/8	244.5	47–53.5	51A2	3.000 or 2.416 or 2.000	8.218	3-1/2 or 2-7/8 or 2-3/8 EU 8 RD	
		40–47	51A4		8.437		
		29.3–36	51B		8.593		

Additional sizes with weight ranges are available as required