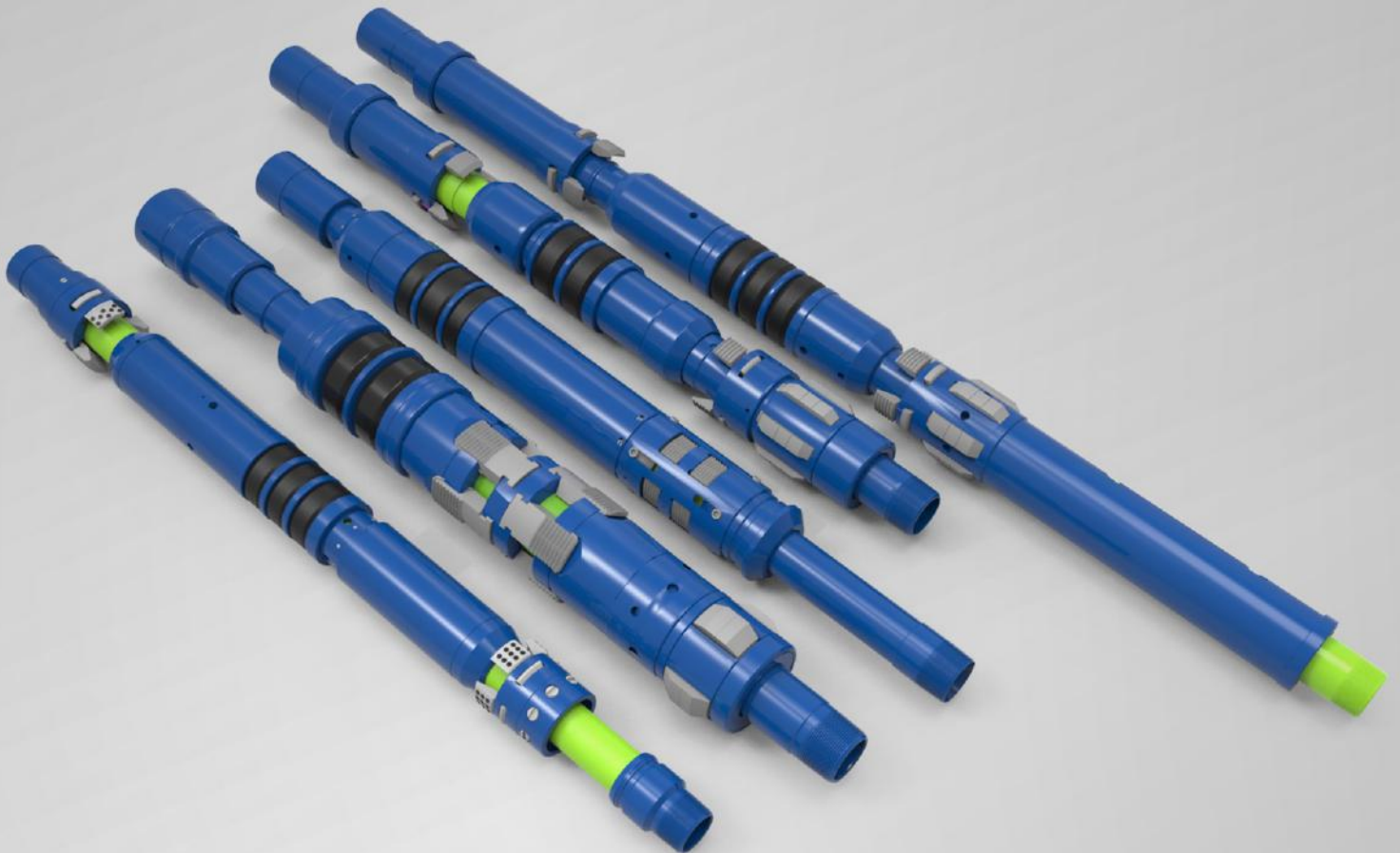


# MAXIMUS

Completion Systems

## PACKER SYSTEMS



**MagnusSeal**  
**Retrievable Seal Bore Packer**  
**Product No.: MSP 7500**



MagnusSeal Packer    Retrieving Tool



### MagnusSeal Retrievable Seal Bore Packer

MagnusSeal Retrievable Seal Bore Packer is a reliable high pressure packer used for production, gravel packing, or injection applications.

MagnusSeal seal bore packer is set on wireline or tubing with a hydraulic setting tool, and it may be retrieved with a pulling tool on tubing or drillpipe.

MagnusSeal seal bore packing element system is designed for high pressure and resists swab-off.

Suitable up to 7,500 Psi. Differential.

#### FEATURES:

- High- pressure packing element system.
- Conveyed & Set on tubing (HST) or wireline.
- Rotationally locked components for ease of milling.
- Lower slips are protected by packing element from debris.
- Materials available suitable for standard or hostile environment.
- No rotation required to set or retrieving the packer.
- Slips below element simplify retrieval.



MagnusSeal Packer    Retrieving Tool

### MagnusSeal Retrievable Seal Bore Packer

#### Setting Procedure:

Run the MagnusSeal Retrievable Seal Bore Packer in to setting depth on wire line pressure setting assembly using the MagnusSeal wireline adapter kit or on tubing using a hydraulic setting tool (HST).

In Maximum recommended running speed ran on wire line 80 ft/min. When run on tubing using a hydraulic setting tool, a maximum running speed of 90 feet/min. should be used.

When running in heavier fluids, a slower running speeds should be considered.

#### Releasing Procedure:

The retrieving tool is run in the hole a set down force is applied when the packer is contacted.

Applying 2,000 to 3,000 lb. down force is sufficient to fully latch the retrieving tool into the packer. At this point the release collet is positioned directly below the support ring of the packer.

Straight pull will engage the release collet and the support ring. Tension force is applied which will shear the screws in the support ring and shift it upward thus releasing the packer. If the support ring does not shear out easily, then there is a built in jar stroke in retrieving the tool.



MagnusSeal Packer    Retrieving Tool



JAS-ANZ



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OHSAS 18001-2007

**MagnusSeal**  
**Retrievable Seal Bore Packer**

**Casing & Packer Dimension Table**

Casing				Packer		
Size (inches)	Weight (PPF)	Min. I.D.	Max. I.D.	Max. O.D.	Sealbore	Min Bore thru Seals
5-1/2"	20.0-23.0	4.670	4.778	4.500	3.000	2.350
	14.0-20.0	4.778	5.012	4.625		
7"	29.0-35.0	6.004	6.184	5.813	3.250	2.390
	23.0-32.0	6.094	6.366	5.938		
	29.0-35.0	6.004	6.184	5.813	4.000	2.990
	23.0-32.0	6.094	6.366	5.938		
7-5/8"	29.7-39.0	6.625	6.875	6.438	4.000	2.990
	20.0-29.7	6.875	7.125	6.688		
9-5/8"	47.0-53.5	8.535	8.681	8.319	4.000	2.990
					4.750	3.830

Note\*: Elastomers available: Nitrile, HNBR, HSN, Viton, Aflas



**MagnusSeal Accessories**

**Locator Seal Assembly & Anchor Latch**

**Locator Seal Assembly**

Locator Seal Assembly is used to hold seals in compression. The Locator Seal Assembly will automatically slide into MagnusSeal Sealbore packer when tagged.

To release from the packer, simply pick-up tubing and the locator seal assembly will slide-out of packer bore.

Chevron V-Seal stacks, Molded Seals, Seal Extension Mandrel are available to suit to your well's environment.

**Threaded Latch Anchor Seal Assembly**

Threaded Latch Anchor is used to hold tubing in tension or compression. The Threaded Latch will automatically latch into the MagnusSeal Sealbore packer when weight is applied at the tool.

To release from the packer, pull 1,500 pounds of tension above tubing weight, rotate 12 turns to the right at the tool.

Several sealing options are available from molded Nitrile seals to RTR, VTR, TKM, PEEK, RKTR enabling sealing to 10,000 Psi., and temperature ratings to 450 degrees F.

**Shear-type Anchor Latch**

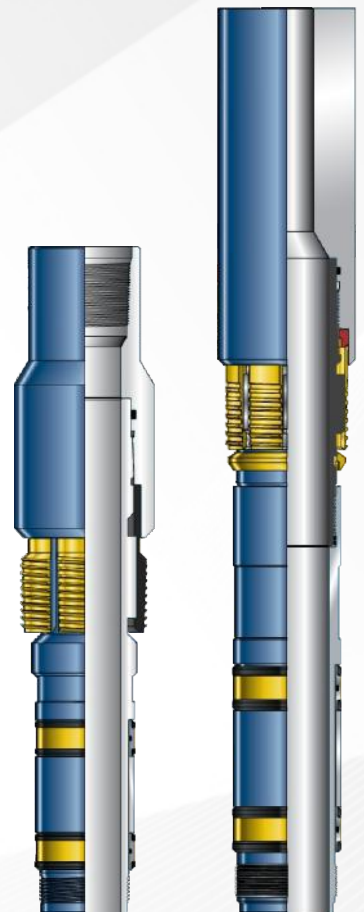
Shear-type Anchor Latch is a Snap-In & Snap-Out Anchor Latch.

To release from the packer, pull the recommended tension above tubing weight to release from Sealbore Packer.

Several sealing options are available from molded Nitrile seals to RTR, VTR, TKM, PEEK, RKTR enabling sealing to 10,000 Psi., and temperature ratings to 450 degrees F.



Locator Seal Assy.



Anchor Latch

Shear-type Anchor Latch

### MagnusForce Hydraulic Setting Tool

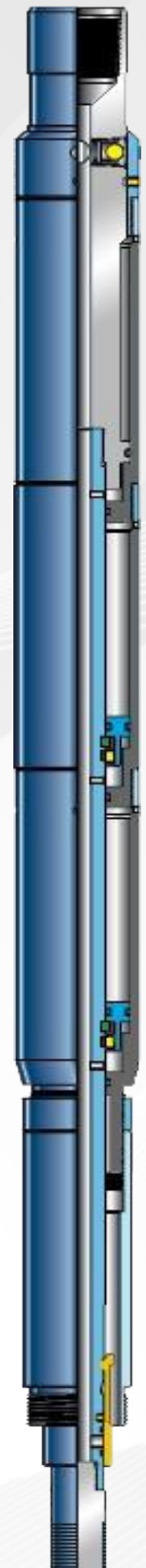
MagnusForce Hydraulic Setting tools translates hydraulic pressure applied to the tubing to a force transmitted through the wireline adapter kit to the sealbore packer, plug, or cement retainer to fully set the slips and pack-off the rubber element.

MagusForce Hydraulic Setting tool and wireline adapter kit are assembled to a packer bridge plug, or cement retainer that is commonly set with a wireline deployed pressure setting tool.

Use of MagnusForce Hydraulic setting tool is particularly well suited for installation of packer, plug or retainers in highly deviated or horizontal well bores where wireline operations are impractical.

#### FEATURES:

- Applications where wireline setting tools are not recommended
- Tubing is drained after setting packer or plug
- Tandem applications possible
- Auto-fill and tubing-drain features able to be deactivated
- Push and Pull of assembly is possible



MagnusForce  
Hydraulic Setting Tool

