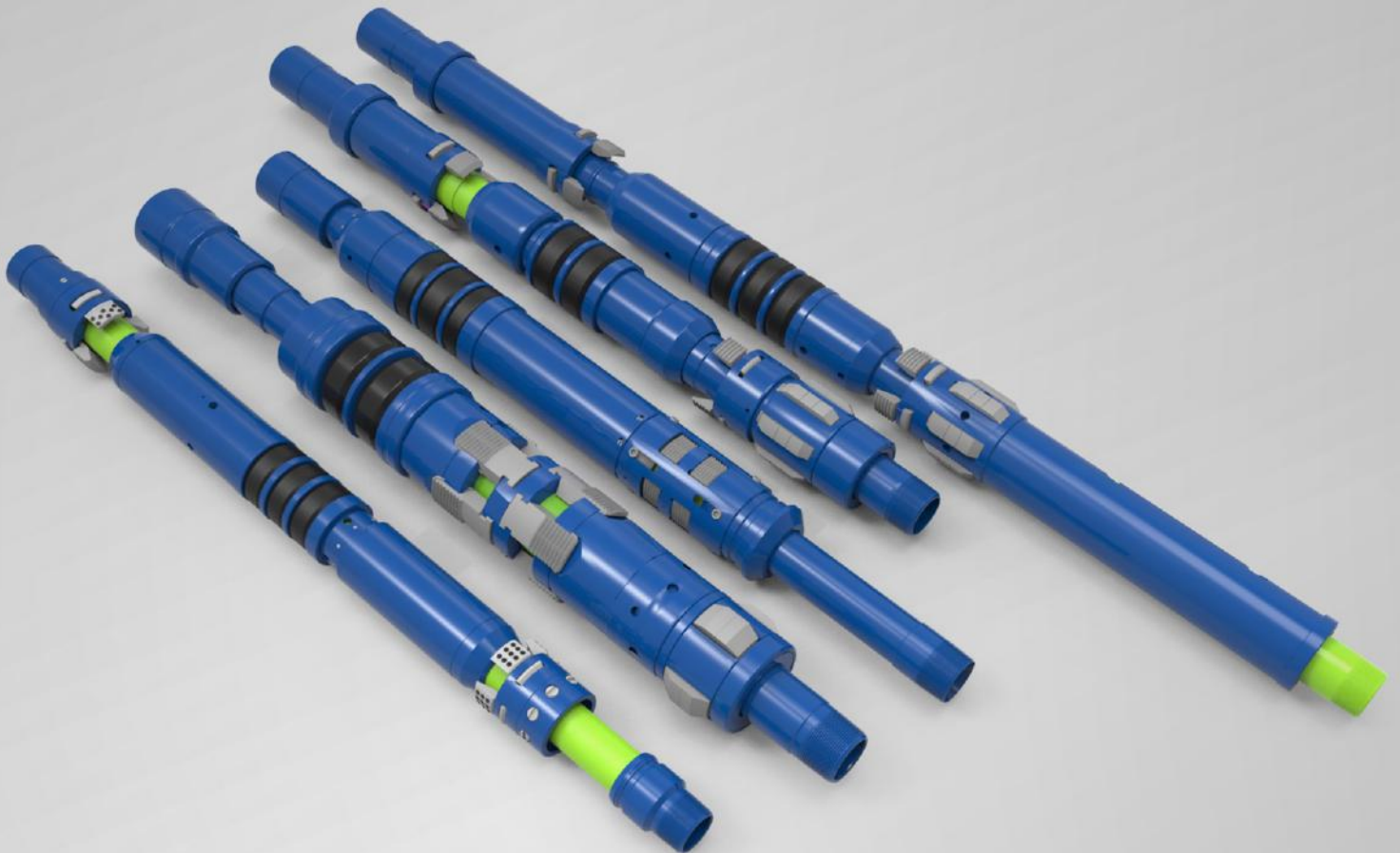


MAXIMUS

Completion Systems

PACKER SYSTEMS



**MagnusPerm
Permanent Production
Sealbore Packer
Product No.: MSPP**



MagnusPerm Permanent Production Sealbore Packer

MagnusPerm Permanent sealbore packer is designed for single or multiple-zone completions in straight to highly deviated wellbores with high differential pressure.

The robust, high-performance packer can be set on wireline using appropriate wireline adapter kit or with a MagnusForce hydraulic setting tool. Ductile cast-iron full-strength, full-circle slips distribute the load evenly around the casing wall, maximizing the load rating and reliability.

FEATURES:

- 10,000 Psi., and 350 degree F rated standard packer.
- Recommended for High-pressure production or testing
- Excellent packer for Fracture stimulations
- Lower-zone isolation (packer as a bridge plug) using Knock-Out Sub
- Tubing removal & insertion is possible as many times as required
- Sets easily in P-110 Grade Casing to eliminate the need for carbide insert slips
- The packer is available with materials and elastomers for hostile environments
- Electric line, hydraulic or mechanical set
- Components keyed for easy milling
- Anti-extrusion rings expand to casing ID to prevent rubber extrusion
- Full circle slips allow for faster run time



MagnusPerm
Permanent Production Sealbore 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



MagnusPerm Sealbore Packer 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

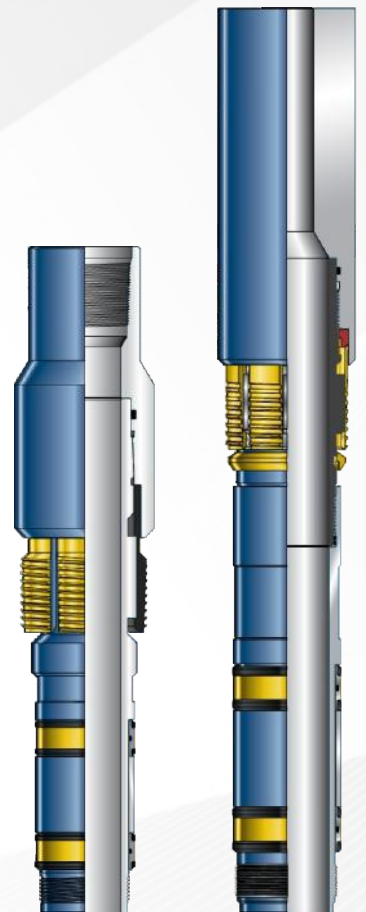
Shear-type Anchor Latch is a Snap-In & Snap-Out Anchor Latch.

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.

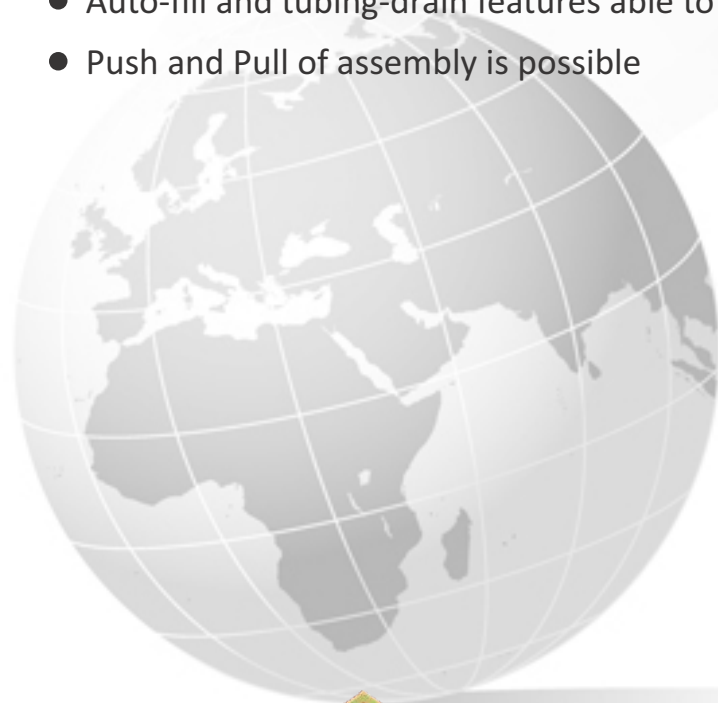
Use of MagnusForce Hydraulic setting tool is particularly well suited for installation of packer, plug or retainers in highly deviated or horizontal well bores where wireline operations are impractical.

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



JAS-ANZ



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