

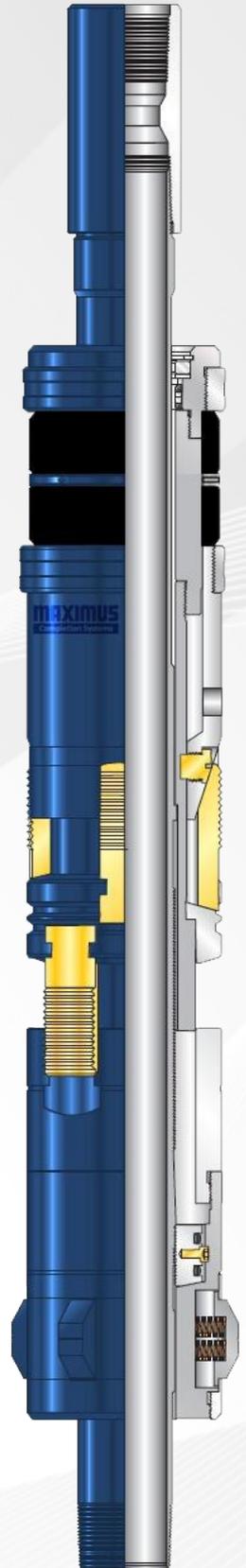
MAXIMUS

Completion Systems

PACKER SYSTEMS



MagnusSet – A2LS
Compression Set Packer
Part No.: A2LS-764685



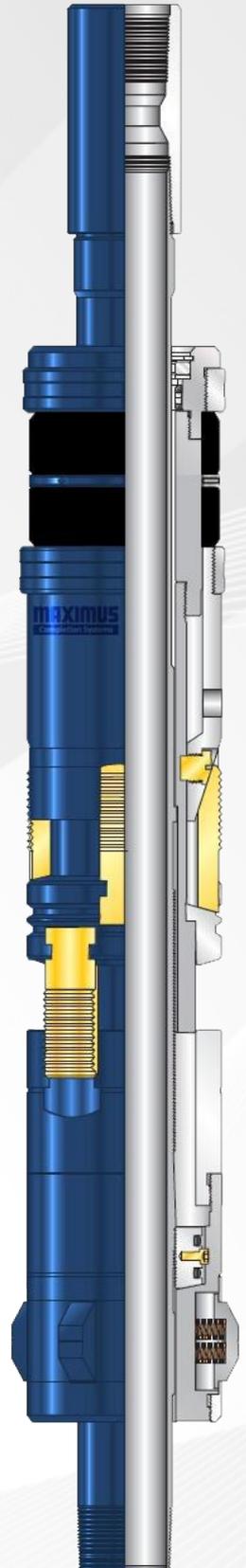
MagnusSet – A2LS Compression Set Packer

MagnusSet – A2LS packer is a compression-set, retrievable packer that enables tubing to be landed in a tension, compression, or neutral condition.

Right rotation sets and releases the packer, providing simple, reliable operation. The internal bypass equalizes the pressure before the slips are unset for safety and reliability.

FEATURES:

- Internal by-pass
- Opposed dovetail slips for positive set
- Holds pressure from above or below
- Can leave tubing in a tension, compression, or neutral
- Right-hand rotation sets and releases the packer
- Temperature rating up to 350 Degree F.
- Optional packing element systems
- Parts interchangeable with other manufacturers



MagnusSet – A2LS Compression Set Packer

Setting Procedure

Hang the Packer to completely stretch it out before starting in the hole. Immediately prior to running in, rotate the drag block housing sub-assembly several turns to the left to make sure the segments are functioning properly .

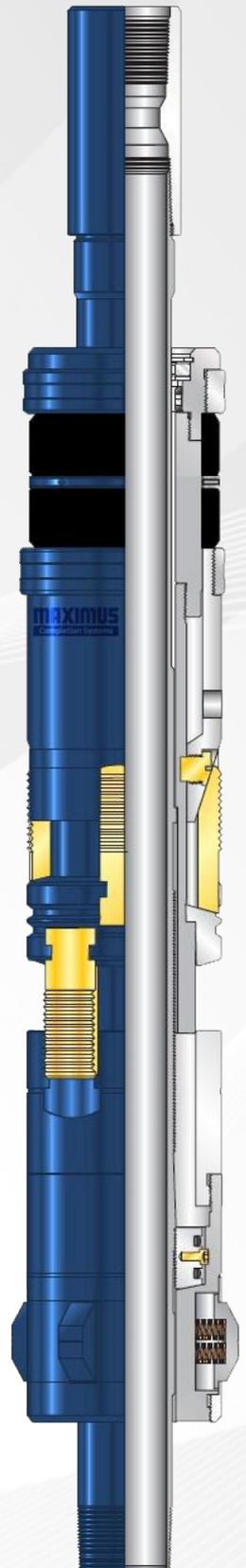
Do not rotate the drag block housing sub-assembly to the right as this will bind the control segments and prevent them from moving after reaching setting depth.

Upon reaching setting depth, slowly lower the packer while rotating the tubing (approximately two turns right at the tool) until the packer takes weight. Set-down a minimum of 6,000 lb. to initially set the upper slips. Lowering of the tool must take place while rotating for the tool to set properly .

To fully engage the lower slips, apply an up-strain (10,000 to 20,000 lbs.) for size 7” against the tool.

When the tubing is to be landed in tension, a strain greater than the landing strain should be applied during the setting operation. To completely set the upper slips and pack-off the packing element system apply set-down weight 10,000 lb. for size 7” . If sufficient set-down weight is not available, such as in very shallow wells, the tool can be set and packed-off by left-hand rotation or spudding.

The tubing may now be hung in tension, compression or neutral.



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Releasing Procedure

Apply an up strain of approximately 3,000 to 6,000 lb. and rotate the tubing (four to eight turns at the tool) to the right until the tool moves up the hole. When releasing the packer with pressure in favor of the tubing, rotate tubing to the right slowly enough to equalize before the lower slips disengage. Continue to rotate to the right several turns while moving up the hole to be certain the slips are fully retracted

Casing & Packer Dimension Table

Casing O.D.	Casing Weight	Minimum Casing I.D.	Maximum Packer O.D.	Packer I.D.	Connection
7"	20.0 - 26.0	6.276	6.078	2.441"	3-1/2 EU 8Rd. Box X Pin
9-5/8"	29.3 - 36.0	8.920	8.590	3.000"	4-1/2 EU 8Rd. Box X Pin

