



WRPA Rotating Packer Actuator

Weatherford's rotating packer actuator (WRPA) enables transfer of weight through the polished bore receptacle (PBR) to set an integral liner-top packer.

A bearing in the WRPA enables rotation of the running string to help transfer weight downward to set the liner-top packer.

The WRPA is run as part of the liner-running-tool assembly. Spring-loaded dogs are collapsed inside the PBR until the WRPA is raised to set the packer. When exposed above the PBR, the dogs are forced outward and cannot re-enter the PBR. Weight set down on the running string at this point transfers to the PBR through the WRPA to set the liner-top packer.

Applications

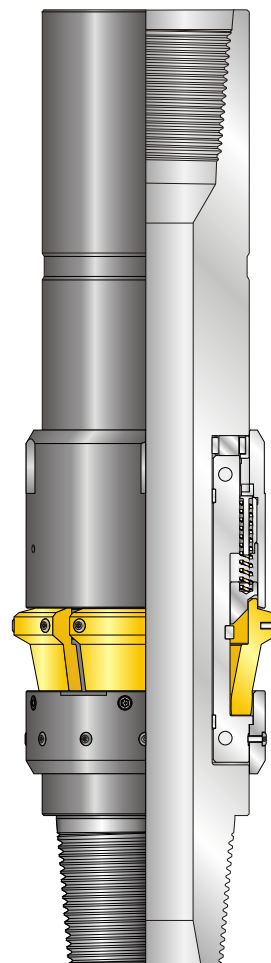
- Liners using a top-set liner-top packer (WTSP4, WTSP5, or WCTSP4)
- All WTSP4, WTSP5, or WCTSP4 liner-top packers used as a second-run tieback packer

Features, Advantages and Benefits

- Several features help ensure the setting of the liner-top packer, including:
 - Spring-loaded dogs, when actuated, act as positive shoulders that cannot re-enter the PBR, ensuring the required set-down weight is always applied to the top of the PBR.
 - Axial-thrust bearing enables rotation of the running string as set-down weight is applied, aiding in the transfer of setting forces required to set the liner-top packer.
- Before setting the packer, the running string is picked up to ensure the hanger-setting tool has released. Brass screws in the dogs prevent damage to the ID of the PBR when moving the WRPA.

Specifications

- Contact an authorized Weatherford representative.





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Options

- The actuator dogs are available separately, in various sizes that meet the required PBR ID sizes. See chart below.
- Each dog is properly marked to indicate the matching PBR ID size.
- The maintenance and redress criteria can be found in the corresponding liner-assembly work instructions.

PBR ID Range (in./mm)	Actuator Dog Part Number
7.180 182.372	1251653
7.375 to 7.500 187.325 to 190.500	1251665
7.686 to 7.846 195.244 to 199.288	1251667
9.659 245.339	1251669
10.626 269.900	1251670
11.000 297.400	1251671
11.531 292.887	1251672
13.523 343.484	1251673