



Weatherford®

Gas Lift

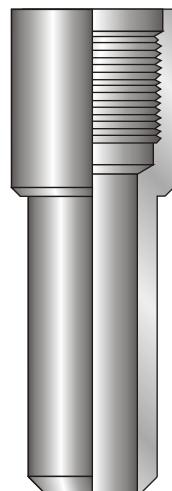
Tubing Packoff

Weatherford's McMurry-Macco® TP packoff is a wireline-retrievable tool used to isolate and control communication between the tubing and the annulus. The TP packoff is used primarily to install gas-lift equipment in wells without a side-pocket mandrel. It is also used to isolate and patch a hole in the tubing or to isolate a leaking gas-lift mandrel or valve.

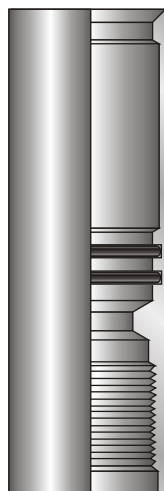
TP packoffs are usually run and retrieved on wireline. The packoffs use an elastomer-type element to seal in the ID of the production tubing. Standard tubing stops hold packoff assemblies in place and help to maintain seal compression. Accessory equipment includes stingers, receptacles, and spacer pipe for longer isolation intervals and for running the upper and lower assemblies separately.

Applications

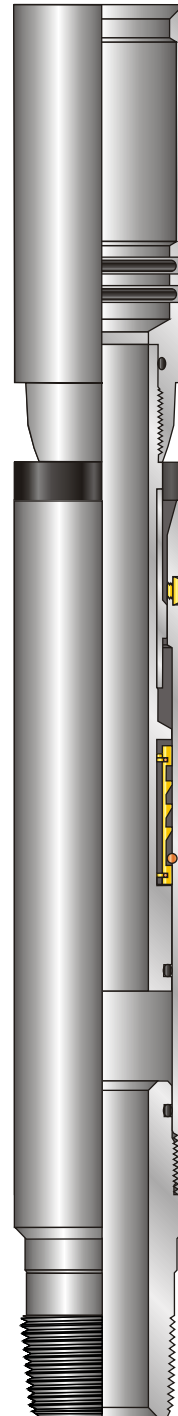
- TP packoffs are used to isolate holes in the tubing.
- They are used to install tubing-retrievable gas-lift valves in wells in which a gas-lift system was not originally installed.
- Tubing packoffs are also used to replace leaking gas-lift mandrels or valves.



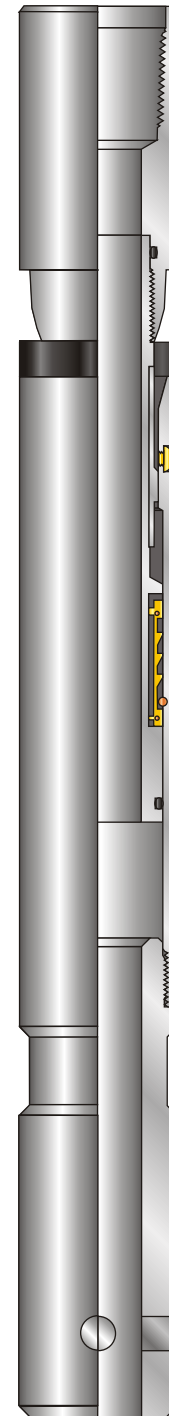
Optional Stinger



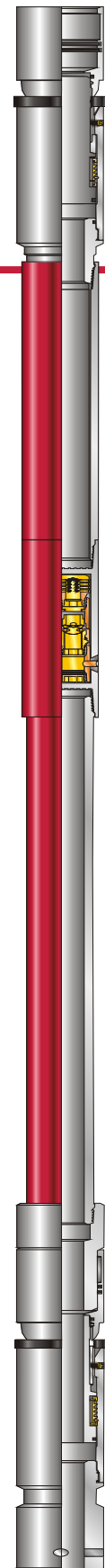
Optional Receptacle



Upper Packoff



Lower Packoff



Packoff Assembly



Tubing Packoff

Features, Advantages and Benefits

- The positive-lock ratchet mechanism maintains compression on packing elements, ensuring proper downhole installation of the tool.
- The internal GS-type running and pulling neck provides a larger flow area.
- Aluminum shear pins prevent premature setting during running operations.
- The packing element returns to its original shape when relaxed, thereby easing removal by eliminating drag and rolling of the packing element during pulling operations.
- Packoff parts are keyed, allowing proper redressing of the packoff in the field by one person, without special tools.
- The standard packing element is made of 90-durometer VITON® for optimal durability and sealing characteristics. Other packing element materials are available for special applications.
- Optional stinger and receptacle allow separate running of the upper and lower seal assemblies and can also be used to run multiple sections of spacer pipe.

Specifications

Assembly Number	Tubing Size (in.)	Maximum OD (in./mm)	Minimum ID (in./mm)	Thread Connection				Pressure Rating (PSI/bar)
				Upper Element	Lower Element	Receptacle	Stinger	
5512-XXX	2-3/8	1.850 46.99	1.000 25.40	1 1/4-in. NUE Pin	1 1/4-in. NUE Box	1 1/4-in. NUE Pin	1 1/4-in. NUE Box	6,000 413.4
5513-XXX	2-7/8	2.280 57.91	1.250 31.75	1 1/2-in. NUE Pin	1 1/2-in. NUE Box	1 1/2-in. NUE Pin	1 1/2-in. NUE Box	
5514-XXX	3-1/2	2.721 69.11	1.500 38.10	1 1/2-in. EUE Pin	1 1/2-in. EUE Box	1 1/2-in. EUE Pin	1 1/2-in. EUE Box	

Options

- The standard packing element is made of 90-durometer VITON. Other packing element materials are available.
- Stinger and receptacle are available.

VITON is a registered trademark of DuPont Dow Elastomers.