



# *WXON and WXAN*

## *Standard Sliding Sleeves*

Weatherford's WXON and WXAN circulating sliding sleeves are non-elastomeric versions of the traditional WXO and WXA sleeves. The sliding sleeves are downhole flow-control valves that can be installed in the production string to provide communication between the tubing/casing annulus. These sleeves are economical, versatile options with high availability.

The WXON sleeve is opened and closed using standard wireline methods; the inner sleeve is shifted *downward* to open the tool and *upward* to close it. The WXAN sleeve is also opened and closed using standard wireline methods, but the inner sleeve is shifted *upward* to open the tool and *downward* to close it.

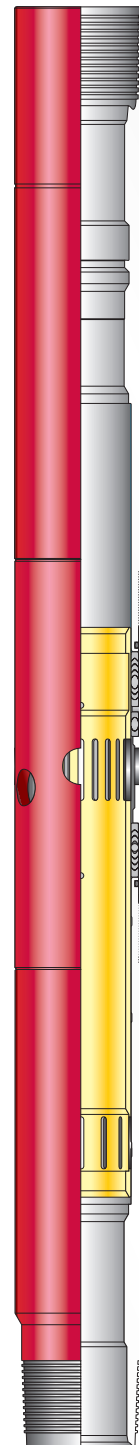
Both the WXON and WXAN sliding sleeves are designed with a "WX" nipple profile on the upper sub to accommodate flow-control locks.

## *Applications*

- Lifting gas
- Circulating inhibitors for corrosion control
- Displacing fluids in the tubing and annulus
- Controlling multiple-zone production through a single string

## *Features, Advantages and Benefits*

- The WXON and WXAN sliding sleeves allow simple, positive control of the tubing and annulus for economical zonal control.
- With a versatile design adaptable to many completion configurations, multiple sleeves can be run to isolate and produce multiple zones, providing greater control over production.
- Non-elastomeric carbon/Teflon® chevron seal stacks with Teflon encapsulated O-rings provide long service life, reducing workover cost associated with equipment failure.





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### ***Specifications***

Size (in.)	2-3/8	2-7/8	3-1/2
Standard seal bores (in./mm)	1.812 / 1.875 46.0 / 47.6	2.312 58.7	2.750 / 2.812 69.9 / 71.4
Burst pressure rating (psi/MPa)	8,500 58.6	8,000 55.1	7,100 48.9
Collapse pressure rating (psi/Mpa)			
Maximum temperature rating (°F/°C)	325° 163°		
Tensile rating (lbf/KN)	93,000 413.7	104,600 465.3	191,300 850.9
Maximum OD (in./mm)	3.078 78.2	3.683 93.5	4.500 114.3
Seal material	PEEK™, Teflon, and Nitrile (thread O-ring)		

### ***Options***

- The WXON and WXAN sliding sleeves can accommodate premium threads and alternative profiles for flow-control nipples of all sizes.

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For Internal Use

Link to Endeca assembly part numbers: [WXON and WXAN Sliding Sleeves](#)