

Downhole Control Valves

WXO and WXA Standard Sliding Sleeves

Weatherford's WXO and WXA standard sliding sleeves are downhole 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 **WXO** 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 **WXA** sleeve is also opened and closed using standard wireline methods, but instead the inner sleeve is shifted upward to open the tool and downward to close it.

Both the WXO and WXA sliding sleeves are designed with a 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 WXO and WXA 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 in tandem to isolate and produce multiple zones, providing greater control over production.
- The high-pressure chevron seal stack prevents pressure from leaking through the tool, maintaining safe, stable downhole conditions.
- The WXO and WXA sliding sleeves can accommodate premium threads and alternative profiles for flow-control nipples of all sizes. This versatility minimizes inventory requirement.

Weatherford International Ltd. 515 Post Oak Blvd., Suite 600 Houston, Texas 77027 USA Tel: 713-693-4000 weatherford.com



WXO and WXA Standard Sliding Sleeves

Specifications

Size	2-3/8	2-7/8	3-1/2
Standard seal bores (in.)	1.812 1.875	2.312	2.562 2.750 2.812
Burst pressure rating (psi/MPa)	8,500 58.6	8,000 55.1	7,100 48.9
Collapsible pressure rating (psi/MPa)			
Maximum temperature rating (°F/°C)	325 163		
Tensile rating (lb/kg)	93,000 <i>42,184</i>	104,600 <i>47,445</i>	191,300 86,772
Maximum OD (in./ <i>mm</i>)	3.078 78.2	3.683 93.5	4.500 <i>114</i> .3
Seal material	Peek™, Teflon™, and nitrile (thread O-ring)		
WB Shifting Tool Self-Releasing Part Number*	S07.181.00 S07.187.00	S07.231.00	\$07.256.00 \$07.275.00 \$07.275.00
WB Shifting Tool Non-Releasing Part Number*	S07.181.01 S07.187.01	S07.231.01	S07.256.01 S07.275.01 S07.275.01

*WB Shifting Tool is used to open or close all Weatherford and industry standard sliding sleeves.

Peek and Teflon are trademarks of their respective owners.

Weatherford International Ltd. 515 Post Oak Blvd., Suite 600 Houston, Texas 77027 USA Tel: 713-693-4000 weatherford.com Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client. © 2007–2008 Weatherford. All rights reserved. **4603.02**