# Sandport Sleeves

**DURABLE & RELIABLE** 





Kobold engineers durable, high-performing sliding sleeves reducing frac time, project costs and risk. Our sliding sleeve is designed to function predictably and consistently, with enhanced sealing and pressure integrity. Each Sandport sleeve encompasses 360° ports for penetration of the target formation. The internal sleeve features a Surelocate profile, providing positive engagment confirmation with our Sandhawk bottomhole assembly.

#### Sandport Reclosable Frac Sleeves

The reclosable sleeves provide a reliable solution during the intial fracture and ongoing wellbore production management. During completions, the Sandport sleeves can be opened once or closed post-frac. This provides the flexibility to optimize well production, or to implement a water flood strategy during the well's life cycle. Closing sleeves after the frac, can also reduce the requirement for post-frac clean-out runs for increased operational savings.

### Sandport Open-Only Sleeves

Kobold's open-only frac sleeves are easy to handle for fast and efficient installation. The Surefrac service opens the Sandport sleeves, leaving the ports locked open. Our open-only sleeve provides confidence in engaging target stages and maximizes efficiency of frac operations.

#### **Features**

- » Torque-through design for quick and easy installation
- » Matches or exceeds parent casing specifications
- » Enhanced internal seal redundancy
- » Multiple ports provide 360° access to the formation
- » Available in a variety of API thread connections

#### Benefits

- The Sandport frac sleeves unique Surelocate profile assures 100% positive engagement
- » Sleeves are lightweight, easy to handle on the rig floor for a safe and fast installation
- The reclosable sleeves allows you to selectively shut off water production, unwated gas production, and thief zones
- » Selectively control the influx of wellbore fluid stage-by-stage during the entire life cycle of the well



## Sandport Sleeves

RELIABLE & DURABLE





## Sandport Reclosable Frac Sleeves 114.3 mm (4.5 in)

Grade	Weight	Collapse	Burst	Max O.D.	Min. I.D.	Sleeve Weight	Sleeve
L-80	17.26 kg/m 11.60 lb/ft	43,800 kPa 6,350 psi	53,600 kPa 7,780 psi		101.6 mm 4.00 in	32.4 kg 71.4 lb	
L-80	20.09 kg/m 13.50 lb/ft	58,900 kPa 8,450 psi	62,200 kPa 9,020 psi	139.7 mm 5.5 in	99.6 mm 3.92 in	33.5 kg 73.8 lb	80.44 cm 31.7 in
P-110	17.26 kg/m 11.60 lb/ft	52,300 kPa 7,580 psi	73,700 kPa 10,690 psi	ווו כ.כ	101.6 mm 4.00 in	32.4 kg 71.4 lb	31./ 1/1
P-110	20.09 kg/m 13.50 lb/ft	73,700 kPa 10,690 psi	85,600 kPa 12,410 psi		99.6 mm 3.92 in	33.5 kg 73.8 lb	



## Sandport Reclosable Frac Sleeves 139.7 mm (5.5 in)

Grade	Weight	Collapse	Burst	Max O.D.	Min. I.D.	Sleeve Weight	Sleeve Length
P-110	25.30 kg/m 17.00 lb/ft	<b>51,600 kPa</b> <i>7,480 psi</i>	<b>73,400 kPa</b> 10,640 psi	168.3 mm	<b>124.3 mm</b> 4.89 in	<b>41.5 kg</b> 91.5 lb	74.16 cm
P-110	29.76 kg/m 20.00 lb/ft	<b>76,500 kPa</b> 11,100 psi	<b>87,100 kPa</b> <i>12,640 psi</i>	6.63 in	121.4 mm 4.78 in	<b>43.7 kg</b> 96.3 lb	29.2 in



Sandport Open-Only Frac Sleeves 114.3 mm (4.5 in)

(	Grade	Weight	Collapse	Burst	Max O.D.	Min. I.D.	Sleeve Weight	Sleeve Length
L-80	)	J	43,800 kPa	53,600 kPa	139.7 mm	101.6 mm	15.89 kg	46.40 cm
		11.60 lb/ft	6,350 psi	7,774 psi	5.5 in	4.00 in	35.0 lb	18.3 in