



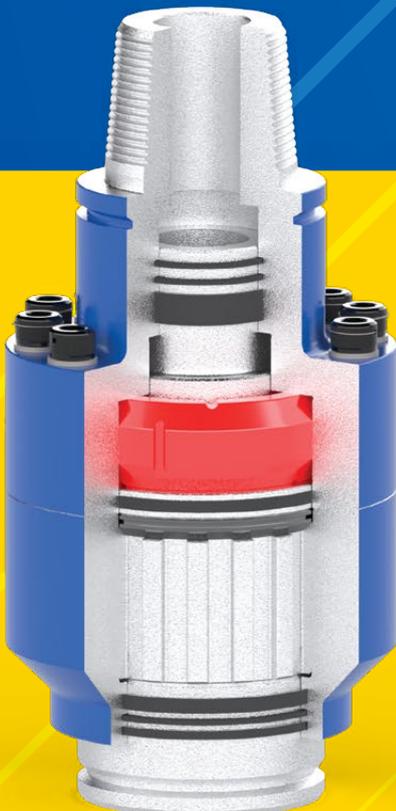
# AERZORBER® SHOCK SUBS

**Aerzorber protects your drill rig from all forces in the drill string: focal, torsional, shock loading, and vibrations.**

The new, third-generation Aerzorber has been fine-tuned by our engineers, using data from drill sites around the world. The result? A multi-purpose floating shock sub that lasts longer, requires less maintenance, and has one purpose – to protect your drill.

Streamlined to two sizes, the 9-1/4" and 12" which covers a wide range of hole diameters, from 4" to 15", for both percussion and rotary drilling methodologies.

**Other sizes available on request.**



## KEY DETAILS

- ▶ Available in 9¼" and 12" sizes, for 4" – 15" hole sizes.
- ▶ Provides drill string protection in all ground conditions.
- ▶ High-durability mechanical shock absorption.
- ▶ Functions as floating sub when adding or removing drill pipes.
- ▶ Modular design using field-replaceable components for lower maintenance needs.
- ▶ Upgraded seal design for reliability and extended service life.
- ▶ Maintains full power from rotary drive unit.

# AERZORBER® SHOCK SUB

## SIZES & SPECS

Model	9 1/4" Aerzorber	12" Aerzorber
<b>Outer Diameter (A)</b>	235 mm (9.25")	304.8 mm (12")
<b>Top Connection (B)</b>	Ø114.5 mm (Ø4.5")	Ø194 mm (Ø7.64")
<b>Bottom Connection (C)</b>	Ø115.2 mm (Ø4.54")	Ø193 mm (Ø7.6")
<b>Body Diameter (D)</b>	Ø160 mm (Ø6.3")	Ø235 mm (Ø9.25")
<b>Length Extended (E)</b>	380 mm (14.96")	490 mm (19.3")
<b>Length Compressed (E)</b>	360 mm (14.17")	460 mm (18.11")
<b>Travel Extended (F)</b>	50 mm (1.97")	55 mm (2.17")
<b>Travel Compressed (F)</b>	30 mm (1.18")	35 mm (1.38")
<b>Weight</b>	75 kg (165.35 lb)	165 kg (363.76 lb)
<b>Max Recommended Torque</b>	7,500 Nm (5,532 lbf-ft)	19,000 Nm (14,000 lbf-ft)
<b>Max Recommended Pulldown</b>	34 kN (25,100 lbf-ft)	127 kN (96,700 lbf-ft)
<b>Recommended Hole Size Range</b>	100 - 200 mm (4" to 8")	150 - 380 mm (6" to 15")



## AERZORBER® LOCKING CLAMP

The Aerzorber Locking Clamp eliminates the use of thread adhesives or the requirement for heat to break out saver subs.

These clamps are designed to significantly reduce downtime and ensure even greater reliability when using Aerzorber.

- ▶ Reduce downtime by eliminating the need for heat or thread adhesives.
- ▶ Easily attach and remove.
- ▶ Secure fastening system using high-tensile bolts and Nordlock washers.
- ▶ Available to suit 9 1/4", and 12" Aerzorber® models.

