

# MINCON AERZORBER®

**Save your drill rotary or DTH drill string with an innovative floating shock sub that uses air cushion technology.**

Like all Mincon products, Aerzorber is designed to help reduce downtime and increase the production at your drilling operations.

Aerzorber is a shock absorber designed for use at the top of a DTH or rotary drill string. Sitting between the drill string and the rotary head of your drill rig, Aerzorber reduces vibration and shocks thanks to a combination of air and mechanical shock absorption – resulting in higher durability, increased productivity, and lower maintenance.

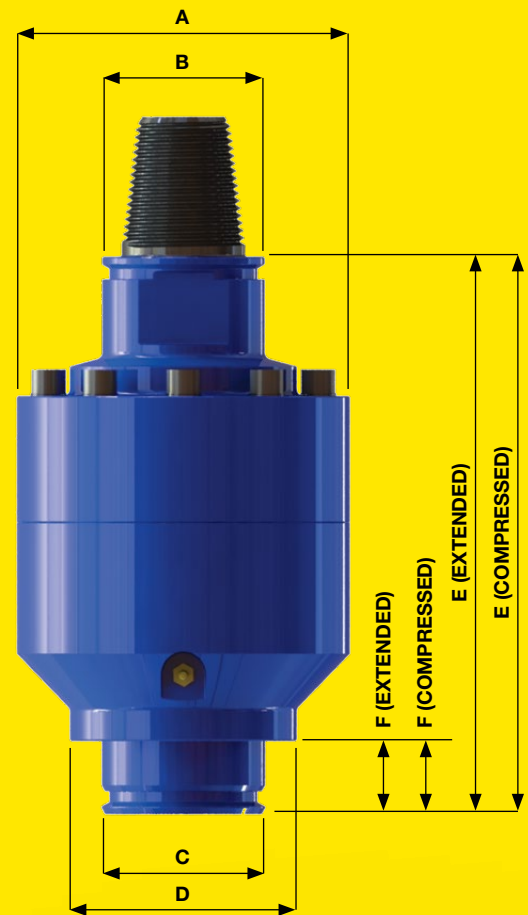
With a modular design that uses easily replaced components, Aerzorber saves your drill rig's rotary head unit from maintenance that can cost you time and money. Its unique air cushion design also allows it to act as a floating sub, allowing you to easily add or remove drill pipes during drilling.



- » Unique air cushion technology combined with mechanical absorption to provide ultimate shock absorption.
- » Ability to function as a floating sub when adding or removing drill pipes.
- » Aerzorber® is low maintenance and is incredibly easy to service on site with minimal tools.
- » Bespoke seals for maximised run-time between services.
- » Modular design with consumable components saves core components and lowers running costs.
- » Maintains full power from rotary drive unit.

# MINCON AERZORBER® SIZES & SPECS

|                   | 9-1/4"    | 10"       | 10-3/4"   | 12"       |
|-------------------|-----------|-----------|-----------|-----------|
| A                 | Ø235 mm   | Ø254 mm   | Ø273 mm   | Ø304.8 mm |
| B                 | Ø114.5 mm | Ø140 mm   | Ø171 mm   | Ø194 mm   |
| C                 | Ø115.2 mm | Ø140 mm   | Ø171 mm   | Ø193 mm   |
| D                 | Ø160 mm   | Ø180 mm   | Ø220 mm   | Ø235 mm   |
| E (Extended)      | 380 mm    | 380 mm    | 380 mm    | 470 mm    |
| E (Compressed)    | 360 mm    | 360 mm    | 360 mm    | 450 mm    |
| F (Extended)      | 50 mm     | 50 mm     | 45 mm     | 55 mm     |
| F (Compressed)    | 30 mm     | 30 mm     | 25 mm     | 35 mm     |
| Weight            | 75 kg     | 85 kg     | 105 kg    | 165 kg    |
| Max Torque        | 7,500 Nm  | 10,000 Nm | 16,000 Nm | 19,000 Nm |
| Max Pulldown      | 183 kN    | 275 kN    | 292.5 kN  | 360 kN    |
| Max Weight on Bit | 20,000 kg | 28,000 kg | 32,000 kg | 40,000 kg |



## AERZORBER® LOCKING CLAMP BY MINCON

**Eliminate the need for thread lockers or welding when attaching existing sub adapters to your Aerzorber, by using the Aerzorber Locking Clamp. These clamps are designed to significantly reduce downtime and ensure even greater reliability when using Aerzorber.**

- Reduce downtime by eliminating thread locker or welding.
- Easily to attach and remove.
- Secure fastening system using high-tensile bolts and Nordlock washers.
- Available to suit 9 1/4", 10", 10 3/4", and 12" Aerzorber® models.

