

Deadman Autoshear

AXON's Deadman Autoshear System (DMAS) is ideal for automatic shutdown of the wellbore in the event of total loss of control of the pods or disconnect of the Lower Marine Riser Package (LMRP). Our DMAS uses zero interflow hydraulic trigger valves to ensure instantaneous activation of the DMAS unit in the event of signal pressure loss. This results in minimal fluid loss from interflow during the activation, ensuring a quick response time for closure of the wellbore.



SPECIFICATIONS

Technical Details

- Dry Weight: 650 lbs
- Supply Pressure: 5,000 psi
- Maximum Regulated Pressure: 5,000 psi to BSR and 3,000 psi inner valves and locks
- 5,000 psi Hydraulic Port Connections: 1" Code 62 4 Bolt Flange
- ST Lock Circuit/Wellhead Connector Latch Connections: 1" Code 62 4 Bolt Flange

Major System Components

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|--|---|
| ■ TR™ 5 Regulator 5,000 psi | ■ TRL™ 5 Regulator 3,000 psi |
| ■ 1.0" NC SPM Valve | ■ 1/4" Low Interflow Shuttle Valve Assembly |
| ■ 0.5" Pilot Operated Check Valve (POCV) | ■ 1" Autoshear Block Assembly |
| ■ 1.0" Dual Pilot SPM Valve | ■ 1/4" NO Hydraulic Trigger valve 5,000 psi |
| ■ Accumulator 1qt 5,000 psi | |

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FEATURES / BENEFITS

Optional Equipment

- Read-back Option: Allows for confirmation to the drilling rig that the Deadman and Autoshear functions are active and pressurized

Design Advantages

- Designed and manufactured to API 16D specifications
- Features industry-respected TR™ Regulators for its pressure regulating valves
- Independent back-up BOP control system designed to automatically shut in the wellbore when both hydraulic pressure and electric power/communication is lost
- Utilizes dedicated subsea accumulators to close the rams, inner valves, and operate the ram locks; can be powered by a shared accumulator (e.g., acoustic system) that is not discharged into the main hydraulic supply
- Compact design for smaller footprint on stack

CAD Drawings

* AXON reserves the right to modify specifications without notice. rev2014.04.28

