TYPE '80™ Deadman Autoshear

When armed, AXON's TYPE '80™ Deadman Autoshear (DMAS) will provide automatic shutdown of the wellbore in the event of simultaneous loss of signal transmission capacity and hydraulic supply pressure to both PODs (Deadman), or disconnect of the Lower Marine Riser Package (LMRP) from the BOP stack (Autoshear). For added versatility, our DMAS system is equipped with dual TR™ regulators to operate the shear rams and other subsea equipment at different pressures. Furthermore, optional ports allow for the addition of subsea gauges or surface readbacks.

SPECIFICATIONS

Technical Details

- Dry Weight: 750 lbs
- Dimensions: 24" x 27" x 31"
- 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

- TR™ TR5 Series Regulator 5,000 psi
- 1" NC SPM Valve
- ½" Pilot Operated Check Valve (POCV)
- 1" Dual Pilot SPM Valve
- Accumulator 1qt 5,000 psi
- TR™ TR5 Series Regulator 3,000 psi
- ¼" Low Interflow Shuttle Valve Assembly
- 1" Autoshear Block Assembly
- ¼" NO Hydraulic Trigger valve 5,000 psi

TYPE '80™ Deadman Autoshear

FEATURES / BENEFITS

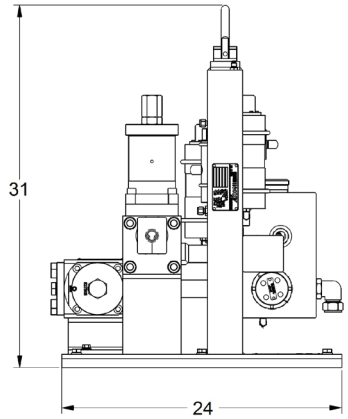
Optional Equipment

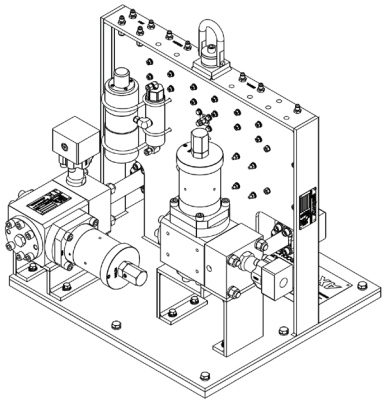
- Optional ports allow for addition of subsea gauges or surface readbacks (provides confirmation to the drilling rig that the Deadman and Autoshear functions are active and pressurized)

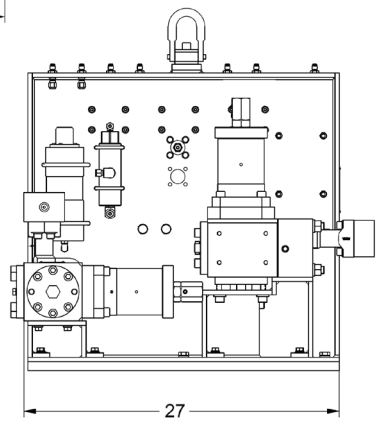
Design Advantages

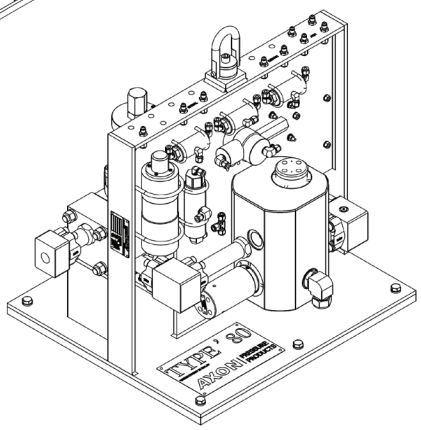
- Designed and manufactured to API 16D specifications
- Features industry-respected TR™ Regulators for its pressure regulating valves
- Utilizes zero interflow hydraulic trigger valves to ensure instantaneous activation of the DMAS unit in the event of signal pressure loss
- Dedicated subsea accumulators are used 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. rev2015.04.28

AXON | PRESSURE PRODUCTS 8909 Jackrabbit Road Houston, Texas 77095 P 281.855.3200 axonep.com