

# Hydratech Industries

Fluid Power

High Performance

# Hydraulic Cylinders Mining Equipment

Leading Supplier of Cylinders for  
Wind Turbines

Leading Supplier of Cylinders for  
Offshore Applications

Supplier of Customized Cylinders  
for Industry Applications

Extensive R&D Knowledge

Truly Global Production and Service  
Capabilities

## Mining Expertise

- Application experience includes surface and underground mining equipment and more.
- We offer both custom and standard solutions for the mining industry.



- Large bores
- Low temperature designs
- Load holding valve and manifold integration
- Finite Element Analysis (FEA) stress simulation
- ASME/AWS welding and NDE
- Designed to last in challenging environments
- Innovative sealing systems.

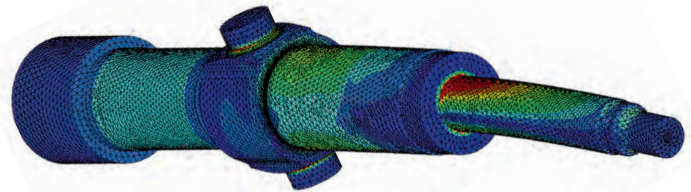
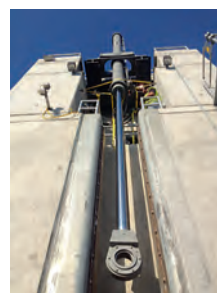


Figure 1: FEA Stress Plot

## Other Industries

Industries where **reliability is paramount.**



Industries where **downtime is expensive.**

Cylinder bore size up to 50" (1270 mm), **strokes up to 50' (15 meters) single stage/100' (30 meters) telescopic.**



## Research & Development



- R&D centers in DK and China
- Deep application experience and creative designers
- Understanding of industry specifications and requirements
- Custom designs and ease of serviceability
- All cylinders designed in 3D
- Inhouse Finite Element Analysis (FEA)
- Experts in analysis, materials, welding, coating and sealing
- Designs to all industry standards

## Quality Assurance

### Quality System

- Certified by DNV ISO9001:2008
- Complete documentation, incl. raw material certificates
- 100% tracking record.

### Laboratory

- Raw material physical and chemical properties test
- Salt spray test, impact test, tensile test
- Chrome plating hardness/thickness test.

### Process Control

- Raw material test & inspection
- Work-in-process components tracking and inspection
- Finished product pressure test
- Product surface treatment and check
- Experienced certified welders
- NDT test by authorized third parties.

## Service & Aftermarket

We offer global service of all brands of **cylinders, accumulators and compensators.**

### We offer the following services

- Detailed inspection process to analyze condition and tolerances
- Comprehensive inspection report detailing all findings and recommendations
- Re-engineering where needed to optimize cylinder life
- Restoration of worn surfaces to OEM tolerances and finishes
- Replacement of all elastomer seals, bearings and other wear items
- Assembly and testing under ISO9001 Quality Management System
- Paint to OEM Specifications.

# Global Organisation



## Facts

- Established 1975 in Denmark
- 400 employees
- Group divided into three divisions (Fluid Power, Wind Power, Service & Aftermarket)
- 45,000 m<sup>2</sup> production / assembly facilities
- Own R&D and technical departments
- Own test and laboratory facilities (salt, chemistry, cold, heat, etc.)
- Own paint booths and sandblasting facilities
- 100% dust free assembly facilities
- ISO 9001 certified
- Annual turnover >100 mio. euro.

## Contact us 24-7

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