LJM Hydraulic have a long tradition of deliveries of hydraulic cylinders to the marine and offshore industry.

Lind Jensen Hydraulics’ many years of collaboration within the marine and offshore industry enable us to offer DNV-GL type approved standard cylinders to marine and offshore applications that ensures high quality, on-time delivery, and competitive prices.

In recent years, LJM Hydraulic has supplied a wide range of cylinders to Subsea applications. Technical solution and material choice is important where it concerns underwater technology. LJM Hydraulic supply hydraulic cylinders in stainless steel, other corrosion resistant materials, or with special seals that are adapted to the environment the cylinders will work in.
Our quality system ensure full traceability in our products. Decades of cooperation with third party approval companies such as DNV-GL, BV, LR, ABS, RMRS, RINA and CCS give our customers the necessary security that LJM products can live up to the end customer’s requirements.

Our design department is used to develop the correct solution based on the customer’s specifications and in our own test department we subsequently check that the theories also apply in practice.

LJM Hydraulic can offer you high safety, global distribution and competitive pricing.
Type approved
Hydraulic Cylinders

NH75 Hydraulic Cylinder
With DNV-GL Type Approval

LJM standard cylinder NH75 is designed and developed to meet the requirements within a rough environment for marine and offshore applications. NH75 can be supplied with spherical steel-, bronze- and composite-bearings, with bottom and frontflange, trunnion mounting and threaded rod end all combined in various combinations.

Piston rods are available in several steel and stainless steel qualities with various surface platings such as chrome, nickel-chrome and ceramic coating in order to meet the strict requirements in a demanding and rough environment.

Surface treatments performed according to current norms and customer specifications.
- DNV-GL Type approval
- Various dimensions
- Proven quality and design
- Ideal for offshore and marine
Design features

NH75 - S(C)D / SD
DNV-GL Type approved
Delivered with spherical bearing / composite.
See all combinations at www.cylinderconsultant.com

NH75 - FD
New Design! DNV-GL Type approved
Circular front flange with fx. a male threaded rod end.
See all combinations at www.cylinderconsultant.com

NH75 - CD
New Design! DNV-GL Type approved
Circular bottom flange
See all combinations at www.cylinderconsultant.com

NH75 - VD
New Design! DNV-GL Type approved
Tunnion mounting with fx. a male threaded rod end and spherical bearing head.
See all combinations at www.cylinderconsultant.com

<table>
<thead>
<tr>
<th>CYLINDER TYPE</th>
<th>WORKING PRESSURE</th>
<th>TEST PRESSURE</th>
<th>CYLINDER TUBE MATERIAL</th>
<th>SURFACE TREATMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double acting</td>
<td>250 bar</td>
<td>375 bar</td>
<td>SIS 2172 steel tube</td>
<td>Customized for purpose</td>
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<tr>
<td>Ø50 - Ø320 mm.</td>
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<tr>
<td>○ SIS 2142 steel</td>
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<tr>
<td>○ SIS 2387 stainless steel</td>
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<td></td>
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<tr>
<td>○ Hard chrome plated</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>○ Nickel &amp; hard chrome plated</td>
<td></td>
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<tr>
<td>○ Ceramic plated</td>
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</tbody>
</table>
Customized & tailor-made Hydraulic Cylinders

LJM Hydraulic is one of the leading and global manufactures of hydraulic cylinders. The majority of our production is hydraulic cylinders manufactured and designed in collaboration with the customer.

If our standard cylinders are not suitable for your application, we are experts in customized & tailor-made cylinders. Our service covers small and large batches that can be supplied with short delivery time.

LJM Hydraulic has for more than 50 years delivered hydraulic cylinders to major producers around the world. It has given us an expert knowledge in the field and therefore we are competitive on, quality, price and lead-time.

Fully customized & tailor-made hydraulic cylinders, for any purpose or need within offshore, marine and subsea. Designed for harsh environments.
Tailor-made
Hydraulic Cylinders

CASE 1  Special design with fully integrated valves and piping

CASE 2  Hydraulic cylinder with external fitted block with valves and piping

CASE 3  Hydraulic cylinder with oilfeed through rod

CASE 4  Double and twin hydraulic cylinder with flange mounting and oilfeed through rod
We offer a wide range of cylinder features
- Single and double acting cylinders
- Cylinders with integrated transducer
- Cylinders with integrated limit sensor
- Cylinders with built-in valves / Cylinders with internal integrated valves
- Cylinders with external integrated valves
- Plunger cylinders
- Telescopic cylinders
- Double/Twin cylinders
- Cylinders with mechanical lock
- Cylinders with hydraulic lock
- And many more.

Our knowledge ensures your choice of the correct hydraulic cylinder for the given situation
- Approved and tested materials carefully selected for the environment and application.
- Proven sealing solution specially chosen with regards to the operating pattern and application.
- All the required and necessary production and quality certificates.
- Third part approved by all well known certification organs - DNV/GL, BV, LR, ABS, RMRS, RINA, CCS and more.
Find the optimum cylinder yourself in our comprehensive standard range

To make it easy and straight forward for our customers to find the right standard cylinder within our standard range we have developed the online consultant program - Cylinder Consultant.

At CylinderConsultant.com you have the option to print and download 2D and 3D STEP files / drawings of standard cylinders of your choice. You will also have the option to send a query or web-order via the site.

In connection with your standard cylinder choice, you get an approximate calculation of the cylinder according to the selection and entries you specify.

The approximate calculation will be included in the print out, so you have the relevant data.

You find the Cylinder Consultant in various languages on cylinderconsultant.com

3D DOWNLOAD
LJM Hydraulic is one of Denmark’s leading manufacturer of hydraulic cylinders. The majority of our production is customized, tailor-made and standard cylinders manufactured and designed in accordance with the customer requirements, classification rules and guidelines.

To this there is a very strong and flexible standard range, where several of the most sold variants can be delivered immediately from the warehouse. The standard range is divided into different segments according to the field of application, usage frequency, working pressure, etc. In order to make it easy to find the correct standard cylinder at LJM we have developed the website www.cylinderconsultant.com, an online advisory tool that also offers the download of 3D drawings directly in the customer’s construction drawings.

Our business model is adapted for customers who operate locally and customers who operate globally. With facilities in three parts of the world, and our own construction and design department, we are in a position to deliver a high, uniform quality to exactly the same specifications and standards, regardless of where in the world our hydraulic cylinders are produced or installed. At LJM we want to co-ordinate our production so that it matches customers’ needs. Therefore, an ongoing dialog with our customers is an important part of our daily life. In order to avoid long and expensive transport and delivery times we offer, among others, stock after agreement at the location that suits the customer best.

At LJM, the production of a hydraulic cylinder always undergoes a thorough quality test in accordance with our incorporated ISO 9001 and 3834 welding norms. In addition, a lifetime test can be carried out in our research department. Quality Assurance is under continuous development so we can always accommodate our customer’s requirements for quality and safety, supported by a submission of all the necessary documentation. We work on lean based principles always striving to achieve excellence in quality, delivery time and price parameters.

If you’re looking for a supplier who is large enough to be able to accommodate your wishes on all levels and offer a fast, effective global service, then LJM Hydraulic is the right choice. Before, during and after delivery.

LJM Hydraulic has 50 years’ experience in the production and marketing of high quality hydraulic cylinders.

We work every day to deliver the right cylinder, in the right quality, at the right price and at the agreed time of delivery to our customers around the world.
Ready to Deliver
the right cylinder in the right quality, at the right price at the right time - locally and globally.

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