



YAAL HYDRAULICS

Lift well with us



Manufacturers of Hydraulic cylinders
and Power packs

- Steel Plants
- Earth Moving Machinery
- Cement Plants
- Power plants
- Rolling Mills

Introduction

We Yaal Hydraulics one of the reputed manufacturers and suppliers of wide range of hydraulic cylinders, power packs and Hydraulic components for standard and custom built applications. The company has a dedicated team of engineers and skilled workers who have vast experience in heavy industries more than three decades. We also have the requisite state of art machineries which facilitates in achieving quality products. The company works with a customer oriented flexible marketing approach with innovative ideas. Yaal Hydraulics also offers an enviable range of hydraulic products which can be tailored to give you the most cost effective technical solutions. On one hand, increased availability of machines helps you achieve a better top line, and on the other, reduced operational cost improve your bottom line.

Strengths

Our competent team of designers are always on the look out to deliver the best which will give the optimum performance. Yaal hydraulics has a fully computerized CAD operated design department backed with a team of qualified and experienced engineers. The designs generated are made to reality by our ultra modern facility consisting CNC's and various other High Tech Precision Machine Tools, followed by rigorous testing of components at each level before it reaches to final assembly.

Key features of our products

- Ease of maintenance
- Cost effective design and High economic efficiency
- Standard and custom built
- Standard and reputed hydraulic elements used
- Trouble free performance
- Prompt delivery

We cater to

- Cement Plants
- Chemical Industries
- Earth Moving Machinery
- Fabrication Industries
- Hydraulic Press
- Machine tool Industries
- Material Handling Equipments
- Plastic Processing Industries
- Steel Plants
- Textile industries
- Power Plants
- Rolling Mills
- Agriculture



Our other services

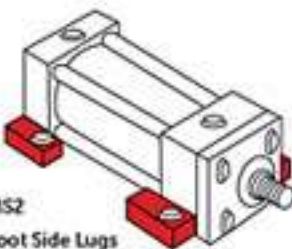
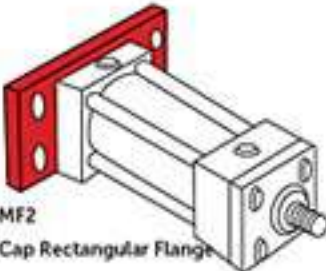
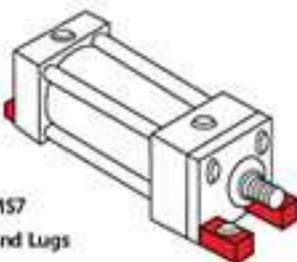
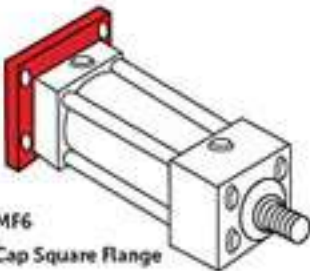
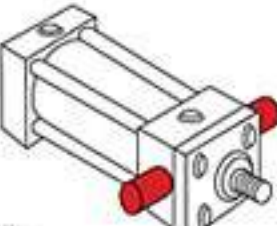
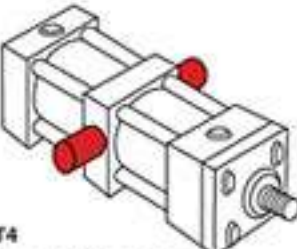
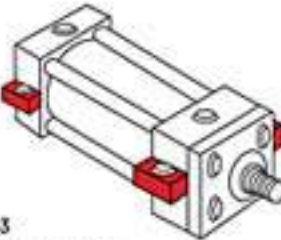
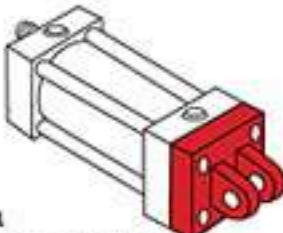
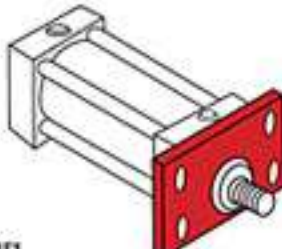
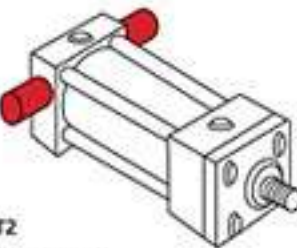
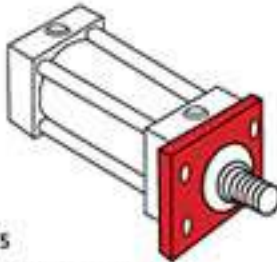
- Design, Erection & Commissioning of new hydraulic systems
- Repair and Servicing of hydraulic cylinders and systems
- Technical solutions and remedial actions for perennial hydraulic problems
- Import substitution
- Supplying hydraulic accessories (Indigenous and Foreign)

Cylinder Selection

A fluid power cylinder is a device consisting essentially of a movable piston and rod assembly contained within a cylindrical bore which is actuated by an operating medium and uses the pressure of that fluid to produce mechanical force and linear motion. The power output, or thrust produced is the product of the system pressure (psi) multiplied by the square inch area of the internal piston surface upon which that pressure acts. The proper selection of a fluid power cylinder requires the consideration of numerous factors influenced by the expected application conditions. Those factors include the cylinder mounting style, stroke length, cycle speed, operating pressure, operating media, mounting attitude, direction of work force, and means of stopping the work load after it is put in motion.

Prior to selecting a model for use, the engineering information section which follows should be thoroughly reviewed and the final cylinder specifications established as a result of determinations based on design recommendations applicable to the intended use. The given information will aid in the selection of the proper cylinder bore, mounting, rod diameter, and the inclusion of recommended optional construction features.

Types of Cylinders We Offer

 <p>MS2 Foot Side Lugs</p>	 <p>MF2 Cap Rectangular Flange</p>	 <p>MS7 End Lugs</p>	 <p>MF6 Cap Square Flange</p>
 <p>MT1 Head Trunnion</p>	 <p>MT4 Intermediate Trunnion</p>	 <p>MS3 Centerline Lugs</p>	 <p>MP1 Cap Detachable Clevis</p>
 <p>MF1 Head Rectangular Flange</p>	 <p>MT2 Cap Trunnion</p>	 <p>MF5 Head Square Flange</p>	<p>There are a variety of NFPA-approved cylinder mounting styles; pictured here are 11 of the most common designs, used especially on mobile machines.</p>

Maximum Bore size 500mm
Maximum Stroke length 2000mm



At **YAAL Hydraulics**, we are not limited to the manufacturers of hydraulic cylinders and standard power packs. We can provide our customers with custom hydraulic power units (HPUs) designed for their unique requirements and specifications. Our technical department works with customers to determine key characteristics needed such as flow range, operating pressure range, overall size and shape constraints, filtration needs, power consumption, safety concerns, and NFPA or PIC design compliance.

With our state-of-the-art facility, our talented craftsmen use engineered designs to create the custom power units. Only after careful calibration and performance testing are the customized power units delivered to the client. Once there, our technicians will assist in the setup and integration of the HPUs, whether their design is vertical, L-shaped, horizontal, or portable.

Our Vision:

- Think high – Aim high
- Innovation is key to progress
- New, Better, Best
- YAAL Hydraulics spend a lot to achieve it

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