



OUR RANGE OF HYDRAULIC CYLINDERS

1 SINGLE ACTING CYLINDER



- Spring or gravity return
- Simple & reliable design
- Economical solution
- Suitable for low pressure applications

2 DOUBLE ACTING CYLINDER



- Power in both extension & retraction
- High efficiency
- Widely used in industrial applications

3 TELESCOPIC CYLINDER



- Multi-stage extension
- Long stroke in compact retracted length
- Ideal for mobile applications

4 WELDED CYLINDER



- Heavy duty welded construction
- High strength & durability
- Suitable for heavy load applications

5 TIE ROD CYLINDER



- Tie rod construction
- Easy maintenance
- Suitable for medium to high pressure

6 CUSTOM BUILT CYLINDER



- Designed as per customer specifications
- Various mounting options
- Bore up to 500 mm & stroke up to 6000 mm

7 PLUNGER CYLINDER



- Plunger type construction
- Withstands side load
- Used in presses, clamps & jacks

8 DIFFERENTIAL CYLINDER



- Larger rod area than piston area
- High speed in retraction
- Used in lifting & dumping applications

9 THROUGH ROD CYLINDER



- Rod extends from both sides
- Equal force in both directions
- Used in winches & clamp

10 SWING CYLINDER



- Converts linear motion into angular motion
- Compact design
- Used in clamps, grippers & swing applications

11 COMPACT CYLINDER



- Short stroke & compact design
- Space saving
- Used in automation & fixtures

12 HIGH PRESSURE CYLINDER



- Designed for high pressure applications
- Heavy duty construction
- Pressure up to 350 bar

13 RAM CYLINDER



- Short stroke, high force
- Used in lifting, pushing & pressing
- Single acting

14 HOLLOW PLUNGER CYLINDER



- Hollow plunger design
- Used for pulling & tensioning applications
- Compact & efficient

15 LOCK NUT CYLINDER



- Mechanical locking for load holding
- Safety in long term load holding applications

16 CYLINDER WITH POSITION SENSOR



- Integrated position sensor
- Accurate position feedback
- Ideal for automation systems

17 STAINLESS STEEL CYLINDER



- SS 304 / SS 316 construction
- Corrosion resistant
- Used in food, pharma & marine applications

18 SERVO CYLINDER



- Precision servo control
- High accuracy & repeatability
- Used in advanced automation systems

19 TRUNNION MOUNTED CYLINDER



- Trunnion mounting for oscillating applications
- High load capacity
- Used in heavy machinery, presses & industrial systems

STANDARD FEATURES

- High strength steel construction
- Precision machining for high efficiency
- Hard chrome plated piston rod
- High quality seals for leak proof operation
- Powder coated / painted finish
- Wide range of mounting options
- Easy maintenance & long service life

TECHNICAL SPECIFICATIONS

Bore Size	Ø 25 mm to Ø 500 mm
Stroke Length	Up to 6000 mm
Working Pressure	Up to 350 bar
Test Pressure	Up to 525 bar
Temperature	-20°C to +150°C
Mounting Style	Foot, Flange, Clevis, Trunnion, Front/Rear Eye, Custom
Seals	PU / NBR / VITON (As per application)
Fluid	Mineral Oil Based Hydraulic Fluid

APPLICATIONS

- Construction Equipment
- Material Handling
- Agriculture Machinery
- Mining Equipment
- Automotive Industry
- Hydraulic Presses
- Marine & Offshore
- Industrial Automation
- Waste Management
- Power Plants

WHY CHOOSE MEC?

- ✓ Customized solutions as per requirement
- ✓ High quality raw materials
- ✓ Advanced manufacturing facility
- ✓ 100% quality inspection
- ✓ On-time delivery
- ✓ Excellent after-sales support
- ✓ Competitive pricing

MOUNTING OPTIONS



FOOT MOUNT



FLANGE MOUNT



CLEVIS MOUNT



TRUNNION MOUNT



FRONT EYE MOUNT



REAR EYE MOUNT



SWIVEL EYE MOUNT



CUSTOM MOUNT

WE MANUFACTURE

- Hydraulic Cylinders (Standard & Custom)
- All Types of Mounting & Accessories
- Design, Manufacturing & Testing
- Repair, Servicing & Reconditioning