Peninsular Sizing Chart

Welded Cylinders
No Mount
(SKETCH YOUR OWN DESIGN)

ABOVE: Fill in actual Cylinder Dimensions. BELOW: Check ALL applicable boxes & provide ALL INFORMATION to best describe the Cylinder

☐ HYDRAULIC CYLINDER • High Pressure with Tie Rods
☐ HYDRAULIC CYLINDER • Low Pressure with Tie Rods
☐ HYDRAULIC CYLINDER • Welded Type without Tie Rods
If Hydraulic - Indicate Working Pressure: ______________________
If Hydraulic - Indicate Maximum Rated Pressure: ______________________
Is the Cylinder an NFPA Cylinder? Yes ☐ No ☐
Is the Cylinder METRIC? Yes ☐ No ☐
if METRIC, specify Standard: ______________________
End Cap STYLE: Welded ☐ Threaded ☐ Snap Ring ☐
Cylinder TUBE MATERIAL: ______________________
Cylinder END CAP MATERIAL: ______________________
Are PROXIMITY SWITCHES used? Yes ☐ No ☐
BORE Size: __________ STROKE Length: __________

PISTON ROD DIAMETER: __________ PISTON ROD THREADS: Male ☐ Female ☐ Other ☐ (Describe): ______________________
Specify PISTON ROD THREAD DIAMETER, PITCH & LENGTH (example: 3/4” - 16 x 1.125”): ______________________
PORT THREAD TYPE: NPT ☐ SAE (O-Ring) ☐ Other (Describe) ☐ PORT THREAD SIZE (Specify): ______________________
Does the Cylinder have OPTIONAL CUSHION(s)? No ☐ on BOTH End Caps ☐ FRONT END CAP Only ☐ REAR END CAP Only ☐
Indicate Existing Cylinders MANUFACTURER & MODEL NUMBER: ______________________

Is a Spherical Rod Eye Required? Yes ☐ No ☐ (If Yes, Provide Dimensions Above) Are Grease Fittings Required? Yes ☐ No ☐

Referencing the diagram below, indicate the SIDE LOCATION # for PORTS and/or Optional CUSHION ADJUSTMENT SCREWS for both the FRONT & REAR End Caps

FRONT END CAP
☐ The PORT (Hydraulic or Air) is located on SIDE LOCATION #s: __________
☐ The CUSHION ADJUSTMENT SCREW (an Optional Cylinder Feature) is located on SIDE LOCATION #s: __________

REAR END CAP
☐ The PORT (Hydraulic or Air) is located on SIDE LOCATION #s: __________
☐ The CUSHION ADJUSTMENT SCREW (an Optional Cylinder Feature) is located on SIDE LOCATION #s: __________

End Cap Port/Cushion Adjustment Screw SIDE LOCATION # Diagram

Always view the Cylinder through the Rod End from the Front End Cap side of the Cylinder
**APPLICATION DATA SHEET**

for NON-STANDARD Air or Hydraulic Cylinders

- PRINT this APPLICATION DATA SHEET
- PRINT the SIZING CHART for the cylinder you need
- FILL IN the Required Information on BOTH PAGES
- FAX BOTH PAGES to Peninsular at (586) 775-4545

**BELOW:** Check ALL Applicable Boxes & provide ALL INFORMATION to best describe the Cylinder

| Date Submitted: __________________________ | Type of Business: __________________________ |
| Company Name: ____________________________ | Contact Name: ____________________________ |
| Address: __________________________________ | Title: ____________________________________ |
| City: ______________ State: _______ Zip: ___________ | Telephone: ___________ Fax: ___________ |
| Country: __________________________ | Email: ____________________________________ |

**CHECK ONE:** Distributor ☐ End User ☐ OEM ☐ Other ☐

### CYLINDER SPECIFICATIONS

| √ AIR CYLINDER - Indicate Working Pressure: __________________________ | BORE Size: ___________ STROKE Length: ___________ |
| ☐ HYDRAULIC CYLINDER | MOUNTING STYLE: __________________________ |
| ☐ If Hydraulic - Indicate Working Pressure: __________________________ | PISTON ROD DIAMETER: ___________ |
| ☐ If Hydraulic - Indicate Maximum Rated Pressure: __________________________ | PISTON ROD THREADS: Male ☐ Female ☐ Other ☐ |
| ☐ If Hydraulic - Indicate Fluid Type: __________________________ (necessary because some Hydraulic Fluids destroy Seals) | (describe Piston Rod Threads): __________________________ |
| ☐ OTHER - Describe: __________________________ |

**What is the Work Being Performed?**

- Weight of Load moved: on Extend: _________ lbs. on Retract: _________ lbs. on BOTH Extend & Retract: _________ lbs.
- Cylinder Cycle Rate: Extending _________ Cycles per Minute Retracting _________ Cycles per Hour _________ Cycles per Day
- Rod Speed: Extending _________”/sec. Retracting _________”/sec.
- How many days per week will this cylinder operate? _________

**What is the Cylinder Orientation?**

- Cylinder is Mounted: Vertically ☐ Rod Up ☐ Rod Down ☐ Angle Degrees: from Vertical _________ from Horizontal _________
- Is Cylinder Piston Rod or Load Guided or Supported? Yes ☐ No ☐ (if Yes, explain) __________________________
- Is Side Load Present? Yes ☐ No ☐ (if Yes, explain) __________________________ Side Load Weight: _________ lbs.

**What are the Environmental Conditions that the Cylinder is Subjected to?**

- Temperature at the Cylinder (if applicable) is _________ Degrees F. Is the temperature constant? Yes ☐ No ☐
- What is the variable temperature range (if applicable)? from: _________ Minimum Degrees F to _________ Maximum Degrees F.
- Cylinder Environment conditions: Corrosive Chemicals present ☐ Abrasives present ☐ Water present ☐ Outdoors ☐
- Other (please explain): __________________________

**What is the Application or Special Requirements?**

- Are there any optional features applicable to this cylinder? Yes ☐ No ☐ If yes, please explain: __________________________
- What industry is the cylinder used in? __________________________
- What type of machine is the cylinder used on? __________________________
- What is the present problem/failure mode? __________________________

- Is a Cylinder ACCESSORY Required? (ex. a Rod Clevis): No ☐ Yes ☐ (indicate the type of Accessory __________________________ & provide Dimensions on Page 10)

**Describe Application and/or Draw a Sketch of the Cylinder Within the Application.**

Draw any Special Features Contained on this Cylinder (attach drawing if necessary) __________________________