Peninsular Sizing Chart

End Angles
MS1 Mount

Date Submitted: ______________  No. of Pages ________
Name:   __________________________________________
Company:  _______________________________________
Fax:       _______________________________________
Phone:  _______________________________________
Email:   _______________________________________

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

□ AIR CYLINDER - Indicate Working Pressure: __________
□ 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: __________
If Hydraulic - Indicate Fluid Type: __________
Is the Cylinder an NFPA Cylinder?  Yes □ No □
Is the Cylinder METRIC?  Yes □ No □
  if METRIC, specify Standard: __________
Does the Cylinder have TIE RODS?  Yes □ No □
End Cap STYLE:  Welded □ Threaded □ Snap Ring □
Cylinder TUBE MATERIAL: __________
Cylinder END CAP MATERIAL: __________
Are PROXIMITY SWITCHES used?  Yes □ No □
BORE Size: __________ STROK 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 Cylinder ACCESSORY Required? (ex. a Rod Clevis):  No □ Yes □ (Indicate Accessory type & provide Dimensions) __________

Indicate any other Special Cylinder Features if applicable. If available, provide Sketches, Engineering Drawings and Photographs of the Cylinder. If applicable, indicate the Mode of Cylinder Failure, Harsh Environmental Factors, Electronic Positioning Devices or any other Pertinent Information regarding the existing Cylinder. For any questions, please call Peninsular Inside Sales at 1 -800-526-7968.

Front End Cap Port / Cushion Adjustment Screw SIDE LOCATION # Diagram

Front

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: __________

Rear

Always view the Cylinder through the Rod End from the Front End Cap side of the Cylinder

Phone (586) 775-7211  •  Toll Free (800) 526-7968  •  Fax (586) 775-4545  •  www.peninsularcylinders.com  •  email: sales@peninsularcylinders.com

Rev. 2/10/2010

Also, fill in the below application data sheet
**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**

<table>
<thead>
<tr>
<th>Date Submitted: ____________________________</th>
<th>Company Name: __________________________________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Business: ____________________________</td>
<td>Contact Name: ____________________________________________________________________________</td>
</tr>
</tbody>
</table>

- **Address:** __________________________________________
- **City:** ___________ State: _______ Zip: ___________
- **Country:** __________________________

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

**CYLINDER SPECIFICATIONS**

<table>
<thead>
<tr>
<th>BORE Size: _____________</th>
<th>STROKE Length: _____________</th>
</tr>
</thead>
</table>

**If Hydraulic - Indicate Working Pressure:** ________________

**PISTON ROD DIAMETER:** _____________

**PISTON ROD THREADS:** Male ☐ Female ☐ Other ☐

**(describe Piston Rod Threads):** ____________________________________________________________________________

**Does the Cylinder have CUSHION(s)?** Yes ☐ No ☐

**If Yes:** FRONT END CAP ☐ REAR END CAP ☐

**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 _____________ 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:** Degrees F. (if applicable) _________
- **Is the temperature constant?** Yes ☐ No ☐

**What is the variable temperature range (if applicable)?** _________ 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)

---

**Phone:** (586) 775-7211  • **Toll Free:** (800) 526-7968  • **Fax:** (586) 775-4545  • **www.peninsularcylinders.com**  • **email:** sales@peninsularcylinders.com

**REV. 2/10/2010 SF-14-R02**