INDUSTRIAL MAGNETICS

EST-1961

AG-01A

LIFTING MAGNET RFQ FORM

APPLICATION SPECIFICATIONS

1. Load Size

A. Smallest: Length_____ Width_____ Material Thickness_____ Weight_____

Largest: Length_____ Width_____ Material Thickness_____ Weight_____

Most Common: Length_____ Width_____ Material Thickness_____ Weight_____

B. Is the part nested next to other parts? Yes____ No____ Layers? Yes____ No____

Is part in a Bin or Container? Yes____ No____ Is the Bin or Container steel? Yes____ No____

What are the dimensions of the Bin or Container? _____

2. Surface Condition of Plate, Tube, Bar, Beam or Parts to be Lifted

Surface condition: Ground____ Rough Machined____ Foundry Finish____ Rough Cast____

Carbon Content of part: Low (0.05-0.29%)____ Moderate (0.30-0.59%)____ High (0.60-0.99%)____

Is lifting surface solid (no holes, slots or ridges)? Yes____ No____ If "No" please explain:_____

_____

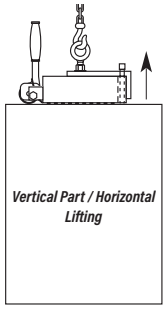
NOTE: Please provide drawings or photos showing where the magnet can contact part.

General Shape & Surface Treatment of part is: (Check all that apply.)

Flat Steel____ Formed Part___ Round___ Perforated___

Dry_____ Oily/Wet___ Paint/Plating? Yes____ No___ If "Yes"; Thickness_____

Does the finish or surface require protection? Yes___ No__



Vertical Part / Horizontal Lifting

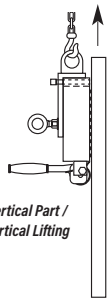
3. Lifting Methods

A. Which of the three illustrations best describe your lifting application(s)?

Horizontal Part / Horizontal Lift____

Vertical Part / Vertical Lift____

Vertical Part / Horizontal Lift____

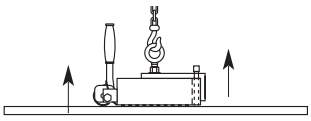


Vertical Part / Vertical Lifting

B. Is the part being rotated from horizontal to vertical or vice versa? Yes____ No_____

C. Cycle Time _____ Cycle Distance_____

D. Single Crane Hook: Yes____ No____ Spreader Bar: Yes____ No____
Fork Lift: Yes____ No____ Other_____



Horizontal Part / Horizon Lifting

E. Hook Height Limitation: Minimum: _____ Maximum: _____

F. Capacity of the Crane or Lifting Device:_____

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APPLICATION SPECIFICATIONS CONTINUED

4. Application & Operator Interface

A. What elevation is the part at the starting point? (Floor, 36" off floor, etc.)

B. How high must the part be lifted?

C. Where is the part being moved to and what is the part being released into/onto? : _____

_____

D. What controls or release mechanism should be included: (Check all that apply)

Pneumatic (PSI) ____	Electric (volts/Hz/ph) ____	Hydraulic: ____
Mechanical Manual ____	Control(s) location: On Board ____	Remote ____
Part present switch ____	Up/Down controls for hoist: ____	Load sensor: ____
Grip/Release of magnet: ____	Tip/Rotate/Pitch part control: ____	
"Dead Man" (two handed operation) switch: ____		Other: ____

E. Sketch a plan view showing part starting elevation location, part release location and where operator is standing relative to the part so proper location of handles and control(s) can be determined.

5. Budget and Time Frame

A. Is this a funded project? Yes___No___B. What is the budget range for this lift device: _____

C. What is the Time Frame for purchase and installation:

NOTE: For the PowerLift® Magnets PNL5000 and PNL6600, an end user signature is required verifying that the lifting application falls within the guidelines found in the table below.

Part Number	Minimum Thickness of Steel to Operate	Minimum Size (footprint) of Steel	Maximum Steel Length	Magnet Weight (lbs)
PNL5000	2"	10" wide x 16" long	10'	276
PNL6600	3"	12" wide x 19" long	10'	485

Company_____

Signature_____ Date_____