Lifting Magnet RFQ Form

Application Specifications

AUTOMATION

AG-01A

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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____

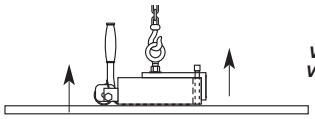
3. Lifting Methods

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

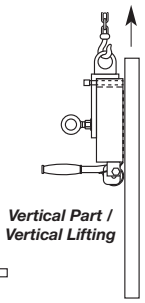
Horizontal Part / Horizontal Lift____

Vertical Part / Vertical Lift____

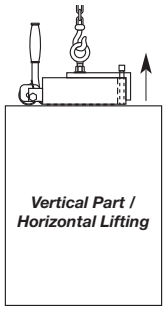
Vertical Part / Horizontal Lift____



Horizontal Part / Horizon Lifting



Vertical Part / Vertical Lifting



Vertical Part / Horizontal 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_____

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

F. Capacity of the Crane or Lifting Device:_____

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? _____

CONTINUED ON NEXT PAGE

Internal Use

Type of magnet(s) recommended:_____ Qty:_____

Spreader Beam: Yes_____ No_____

Comments/Concerns:_____

_____

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Application Specifications Continued

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_____

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