

# Monocarrier Specification Sheet For New Applications

Customer Name:

Date:

Customer POC:

PO Number:

Customer Phone:

Customer Email:

Application:

ex: machine tool, transport, etc



Phone: 1-800-255-4773  
Fax: (317)738-5050

### Speed and Travel:

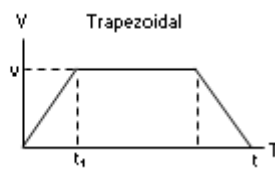
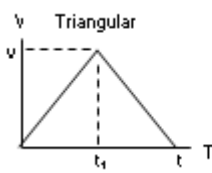
Stroke:  mm

Stroke Time (t):  sec

Max Speed:  m/min

Acceleration:  m/s<sup>2</sup>

Ramp Time (t1):  sec



### Duty Cycle:

Life Expectation:  (Years)

Cycles Per Hour:

Operating Hours:  (Per Day)

Operating Days:  (Per Year)

### Environment:

Temperature Range:  deg C  
 deg F

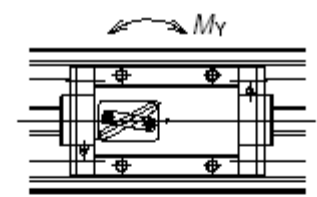
- General Industry
- Wash Down
- Clean Room
- Vacuum
- Outside Use
- Splash
- Corrosive
- High Humidity
- Contaminated
- Food/Medical

Other Comments:

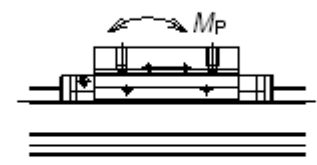
### Load Conditions:

Mounting Position:   
(Horizontal/Vertical)

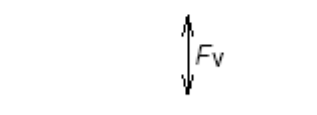
Moment (Yaw):  N-m



Moment (Pitch):  N-m

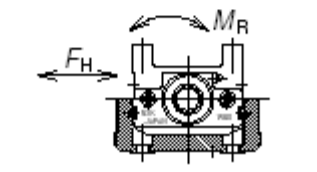


Moment (Roll):  N-m



Vertical Force:  N

Horizontal Force:  N



Application Details (Please enter any other special considerations not covered):

# Monocarrier Sizing Specification Sheet

Customer Name:

Date:

Customer POC:

PO Number:

Customer Phone:

Customer Email:



Application:

ex: machine tool, transport, etc

Phone: 1-800-255-4773

Fax: (317)738-5050

Series:  MCM  MCH

Size:

Stroke:  mm

Accuracy Grade:  H or P

Lead:  mm

Sliders:  1 or 2

Grease:  AS2 (Standard)  LG2

Surface Treatment:  Fluoride Low Temperature Chrome is

Part Number:

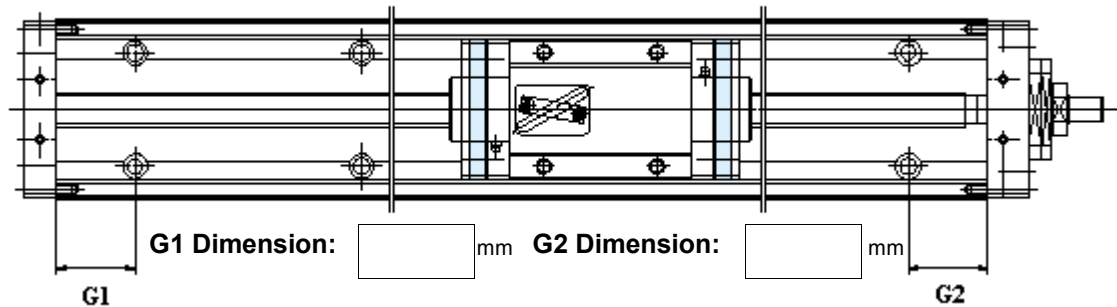
Quantity:

Comments:

**Accessories:**

- |   |   |
|---|---|
| <input type="checkbox"/> NPN Proximity Sensors  | <input type="checkbox"/> Motor Bracket                                  |
| <input type="checkbox"/> Normally Closed (NC)   | <input type="checkbox"/> NEMA 17  |
| <input type="checkbox"/> Normally Open (NO)     | <input type="checkbox"/> NEMA 23  |
| <input type="checkbox"/> 1 NC and 2 NO          | <input type="checkbox"/> 1/4" Shaft <input type="checkbox"/> 3/8" Shaft |
| <input type="checkbox"/> NPN Photo Sensor       | <input type="checkbox"/> NEMA 34  |
| <input type="checkbox"/> Sensor Rail            | <input type="checkbox"/> 3/8" Shaft <input type="checkbox"/> 1/2" Shaft |
| <input type="checkbox"/> Monocarrier Cover Unit | <input type="checkbox"/> Other (Please provide drawing)                 |

**Additional Details (Motor brand, Number of sensors, etc.):**





## NSK Monocarrier Explanation of Terms

### MCM Accuracy:

Grade Stroke (mm)	High grade (H)			Precision (P)			
	Repeatability	Running parallelism (vertical)	Backlash	Repeatability	Positioning accuracy	Running parallelism (vertical)	Backlash
50	± 10	14	20 or less	± 3	20	8	3 or less
100							
150							
200							
250							
300		16					
400							
500		20					
600							
700		23					
800							
900							
1000				35	15		

### MCH Accuracy:

Grade Stroke (mm)	High grade (H)			Precision (P)						
	Repeatability	Running parallelism (vertical)	Backlash	Repeatability	Positioning accuracy	Running parallelism (vertical)	Backlash			
~150	± 10	14	20 or less	± 3	20	8	3 or less			
200										
300		16								
400										
500		20								
600										
700		23								
800										
900										
1000								35	15	
1100								40	20	
1200										