

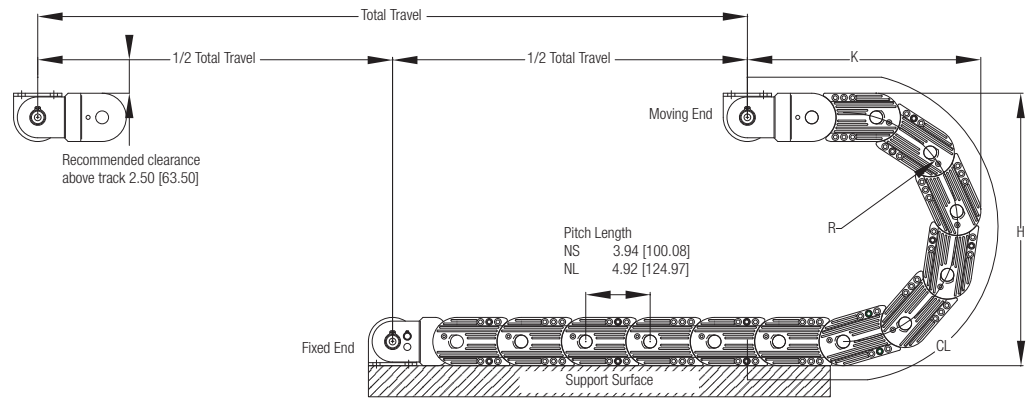


The NS/NL Series

The NS and NL series carriers are medium to large size modular link plastic carriers. The tongue-and-groove design and the aluminum cross bars result in a nearly indestructible cable carrier. The NS and NL are excellent for heavy-duty and long travel applications.

Specifications

Standard Mounting bracket arrangement pictured.
Please consult factory for alternative arrangements



Travel/2 + CL (+ Offset Distance From Center*) = Length

* Gortrac recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

Gortrac® Recommends: 10% Cable Clearance
20% Hose Clearance
60% Maximum Fill

How To Create A Part Number: Model # - Bar Type - Bar Width - Height - Number of Separators - Length"

Sample Part #: **NS-PR-5"**- **147-1-60"**

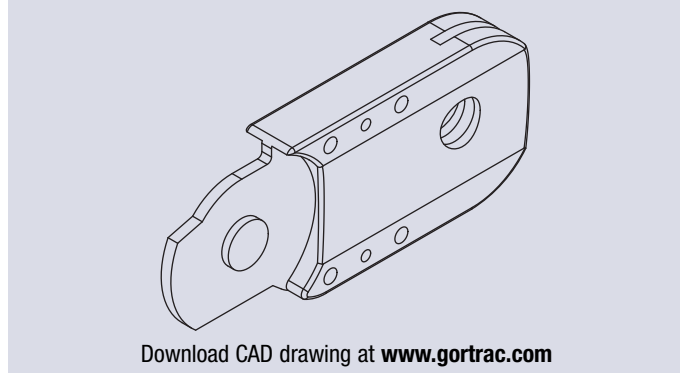
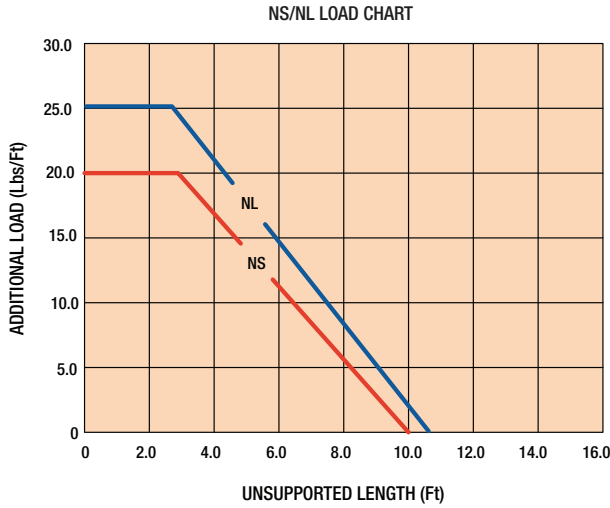
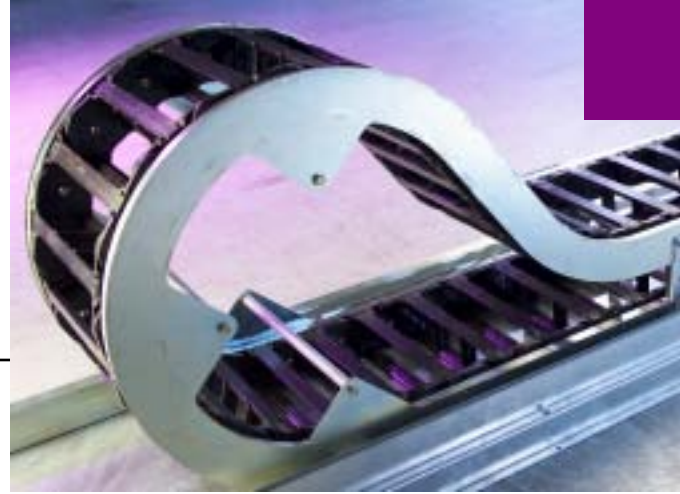
NS/NL Design Guide

Model#	A INCHES/mm	C INCHES/mm	Weight #/Ft. KG/m	
NS	CUSTOMER SPECIFIED	A+1.56/39.62	2.00/2.98	
NL	CUSTOMER SPECIFIED	A+1.88/47.75	3.65/5.43	

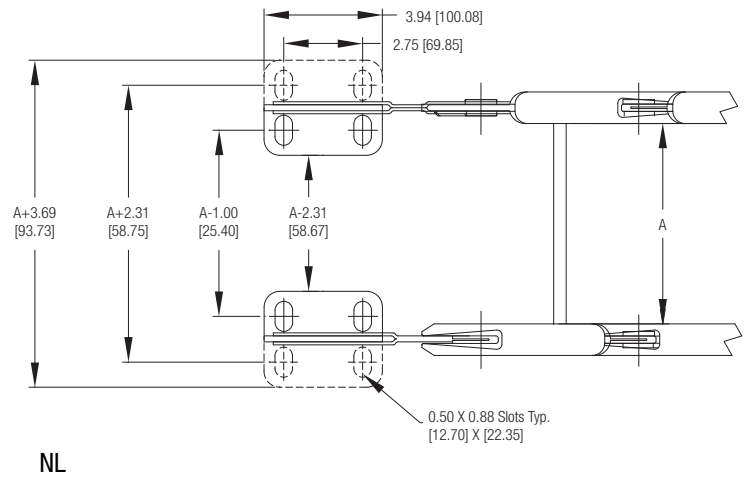
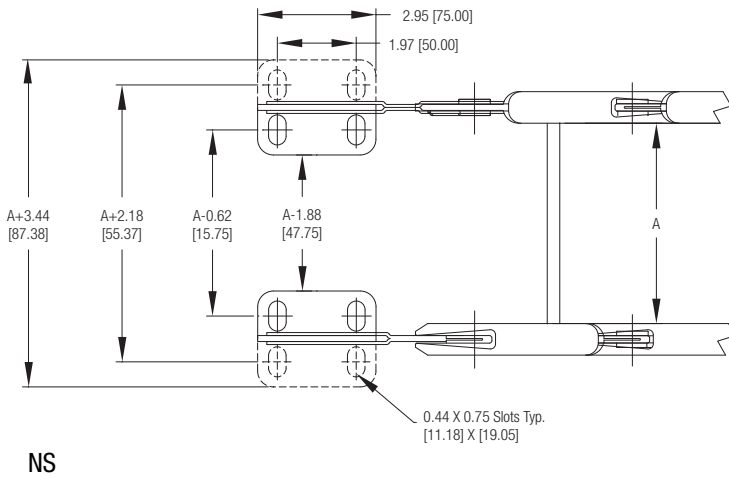
Cross Bar Styles	RB = Aluminum Round Bar (Standard) AF = Aluminum Flat Bar PR = Poly Roller			
Height	R INCHES/mm	H INCHES/mm	K INCHES/mm	CL INCHES/mm
NS				
147	5.90/149.86	14.75/374.65	11.30/287.02	26.40/670.56
170	7.00/177.80	17.00/431.80	12.45/316.23	29.95/760.73
200	8.50/215.90	20.00/508.00	13.95/354.33	34.65/880.11
245	10.75/273.05	24.50/622.30	16.20/411.48	41.70/1,059.18
275	12.25/311.15	27.50/698.50	17.70/449.58	46.40/1,178.56
330	15.00/381.00	33.00/838.20	20.50/520.70	55.00/1,397.00
NL				
200	8.00/203.20	20.00/508.00	15.00/381.00	36.00/914.40
275	11.80/299.72	27.50/698.50	18.75/476.25	47.00/1,193.80
350	15.50/393.70	35.00/889.00	22.50/571.50	59.00/1,498.60
415	18.80/477.52	41.50/1,054.10	25.75/654.05	69.00/1,752.60
525	24.30/617.22	52.50/1,333.50	31.25/793.75	87.00/2,209.80

Rolling Carriage

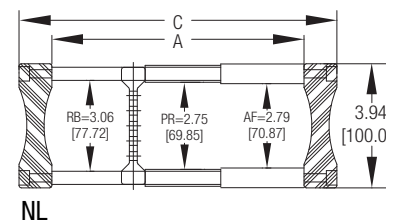
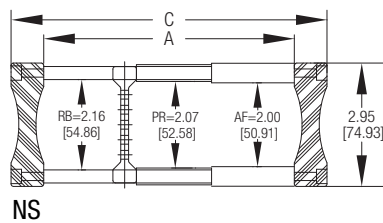
A Rolling Carriage is a support system with travels that exceed the limits available with fixed roller supports, or when there are heavy payloads and/or high velocities present. The carriage system consists of rollers, conveyor supports, and a moving framework that supports the carrier throughout the complete length of travel. The entire system is guided by channels that ensure accuracy and dependability, even at extremely high loads and velocities.



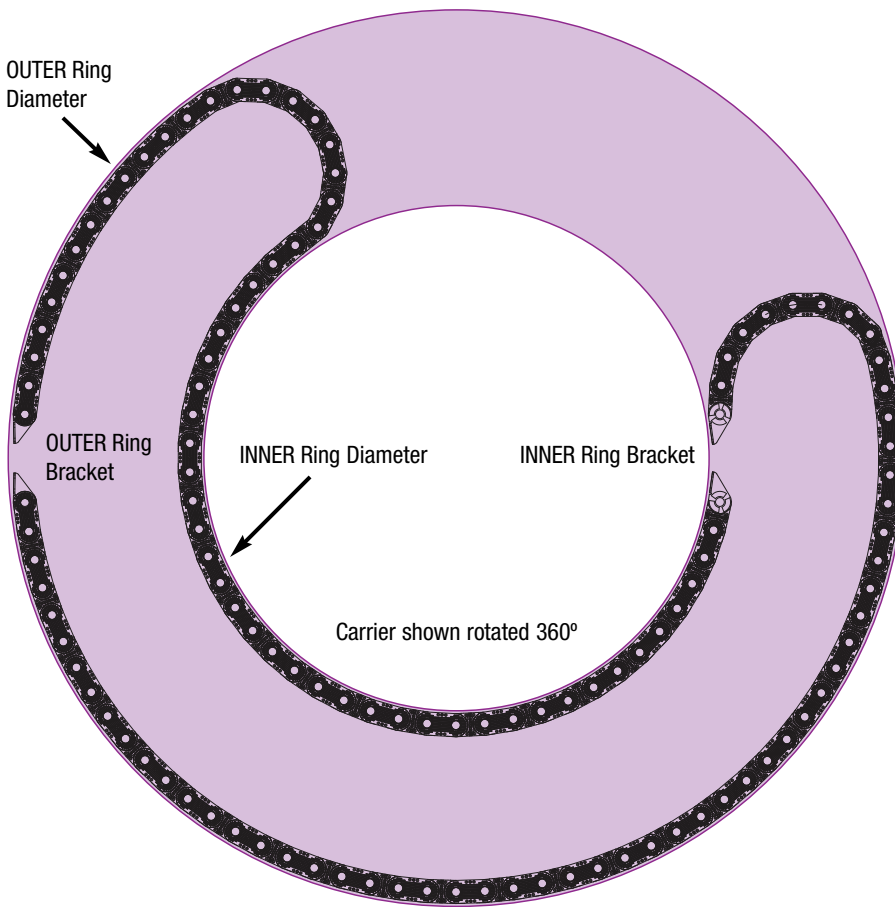
Top View Mounting Hole Dimensions



Carrier Cross Sectional View



Window extenders are available for both NS and NL



Rotational Application

Rotary applications are achieved by running a carrier that has been modified for reverse bending movement on its side. The carrier is equipped with polymer slide blocks or casters for low-friction gliding. The reverse bend is achieved by insert molding or through machining at specific points along the travel to maintain maximum control of the carrier's travel path.

Please complete the information required below to design a rotary application.

Degree of Rotation: _____

Inner Ring Diameter: _____

Outer Ring Diameter: _____

Velocity: _____

Duty Cycle: _____

Fill Package: _____

Please specify which bracket is rotating:

INNER OUTER

How to Order

Travel/2 + Curve Length (+ Offset Distance From Center*) = Length

* Gortrac recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

Gortrac® Recommends: 10% Cable Clearance
20% Hose Clearance
60% Maximum Fill

How To Create A Part Number: Model - Bar Width (PR, AF & RB Style Bars only) - Height - # of Separators - Length"

Sample Part #: Sample Part #: **TL466F-160-1-100"** **TLPR-8"-200-1-100"**

1. Determine Gortrac cross section desired. Allow 10% clearance over OD's of enclosed cable and 20% over OD's of hoses to prevent binding.

2. Choose radius (Use manufacturer's suggested cable/hose radius).

3. Determine total track length. See the formula above. If fixed flange is not mounted in center of travel, please send a sketch or drawing.

If Gortrac Part Number is known:

Gortrac Part #: _____

Bracket Information (See Page 7 — Standard arrangement and orientation is 1 + IN)
Please check your **arrangement** and **orientation** selection below:

1 2 3 4 IN OUT

If carrier parameters are known:*

Carrier Radius Preferred: _____

Gortrac Model #: _____

Acceleration: _____ Feet/Sec.² Maximum Machine Travel Speed: _____ Feet/Sec.

Frequency of Travel: _____ Cycles/Hour Total Machine Travel: _____ Inches

Gortrac Length (see the formula above): _____

Cable/Hose Load: _____ Operating Temperature: _____ ° F

Environment: _____

If you are currently using another cable carrier, please specify:*

Model #: _____ Length/# of Links: _____

Contact information:

Date: _____ For Quotation Only: _____

Date Required: _____ Quantity: _____

Order Number: _____

Company Name: _____

Attention: _____

Address: _____

City: _____ State/Prov: _____

Country: _____

Zip/Postal Code: _____

Telephone: _____

Fax: _____

E-Mail: _____

Please fax this completed form to the number listed below.

*More information may be required. A Gortrac representative may contact you.