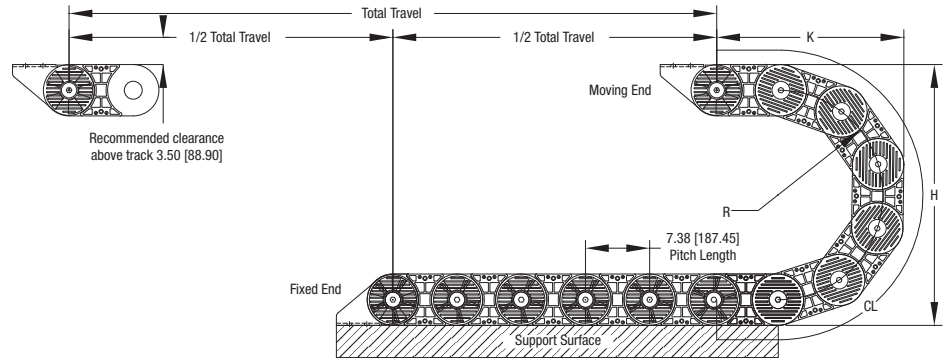


# The NXL Series

The NXL series is a large size modular link plastic carrier. This is a strong carrier with aluminum round bar or C-channel cross bars. The NXL series is excellent for large machine tools, long travel and many heavy-duty industrial 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 #: **NXL-PR-10.00-375-6-140"**

## NXL Series Design Guide

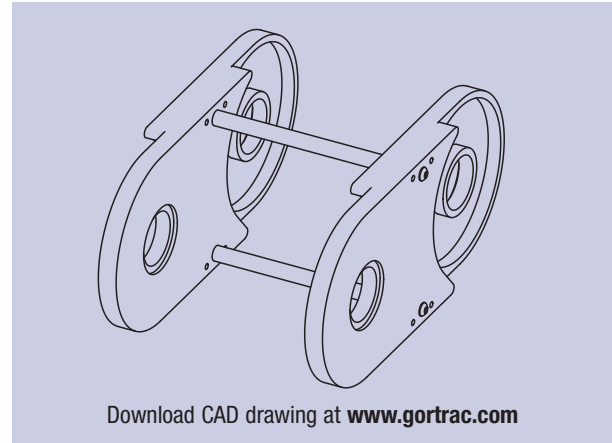
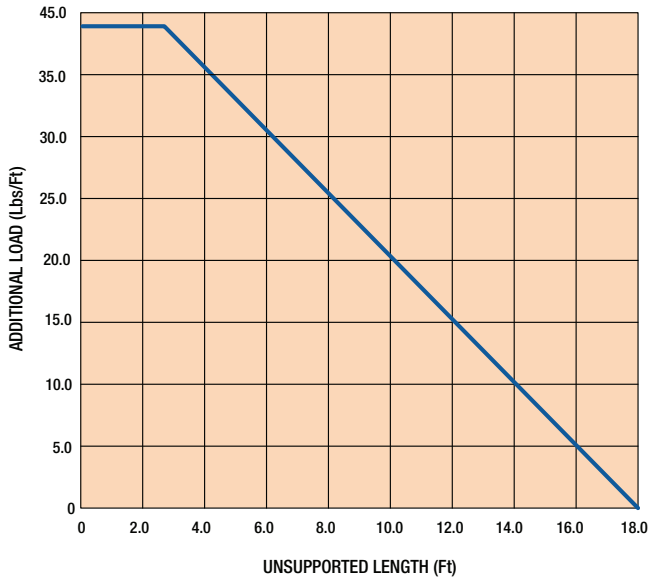
Model#	A INCHES/mm CUSTOMER SPECIFIED	C INCHES/mm CUSTOMER SPECIFIED + 2.50/63.50 MM	Weight #/Ft. KG/m 6.34/9.43	
<b>Cross Bar Styles</b>	AF = Aluminum Flat Bar RB = Aluminum Round Bar PR = Poly Roller CC = C-Channel			
Height	R INCHES/mm	H INCHES/mm	K INCHES/mm	CL INCHES/mm
240	9.05/609.60	24.00/609.60	19.50/495.30	43.00/1092.20
300	12.05/306.07	30.00/762.00	22.50/571.50	52.50/1333.50
375	15.80/401.32	37.50/952.50	26.50/673.10	64.50/1638.30
450	19.55/496.57	45.00/1143.00	30.00/762.00	76.00/1930.40
600	27.05/687.07	60.00/1524.00	37.50/952.50	100.00/2540.00

# Aluminum Crossbars

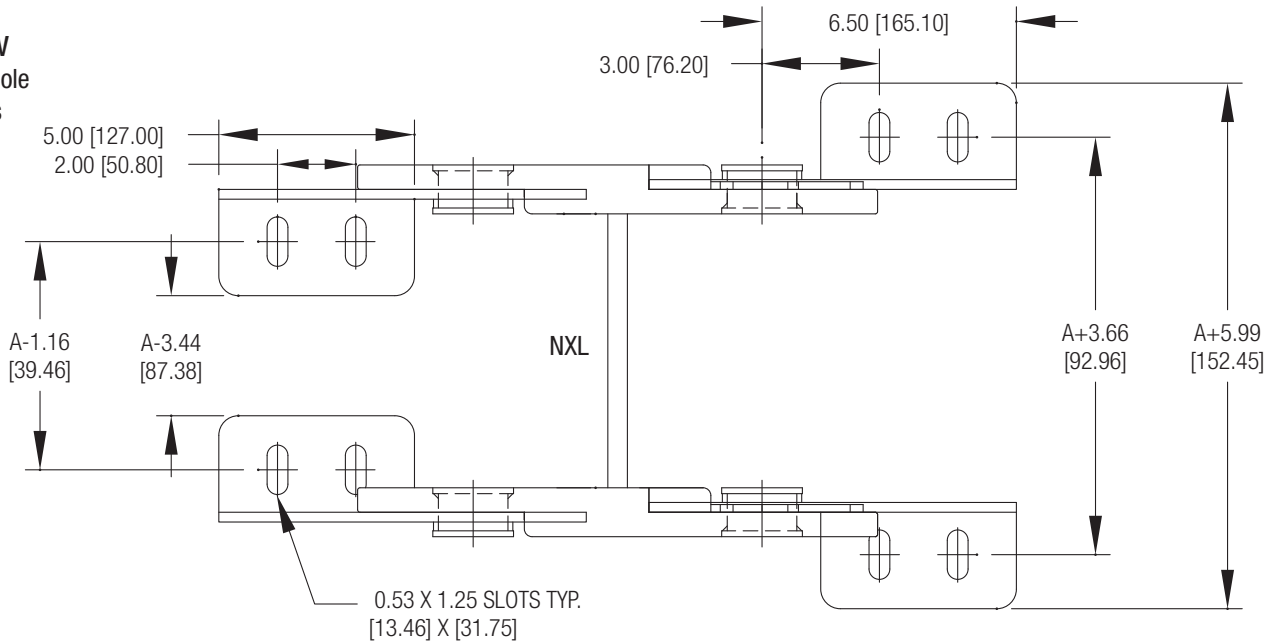
Available in both flat (pictured) and round construction, these bars offer an excellent, low-friction, high-strength alternative to standard plastic bars. Their bolt-in design offers maximum torsional stability, as well as quick and easy link access for installation and maintenance.



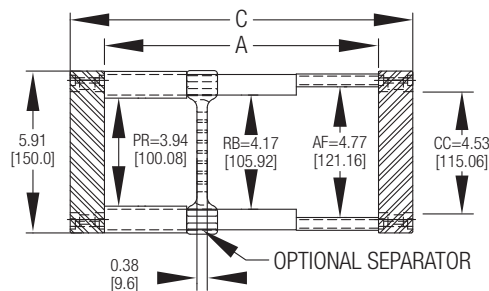
NXL SERIES LOAD CHART

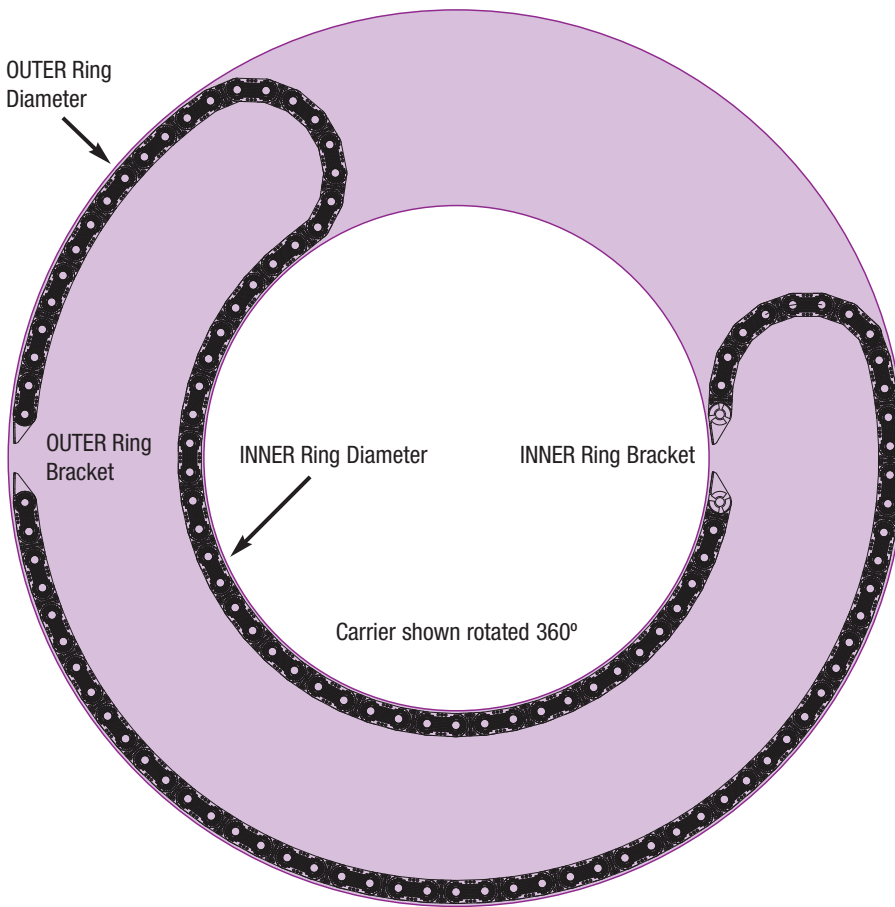


## Top View Mounting Hole Dimensions



## Carrier Cross Sectional View





## 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.<sup>2</sup> 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.