



TSAP



TLAP



NXLAP

# The TSAP, TLAP, NXLAP Series

TSAP, TLAP and NXLAP are large-scale modular enclosed plastic carriers constructed from standard components. This versatile product series features removable aluminum or plastic armor plates, available in custom widths. Tough but lightweight, the TSAP, TLAP and NXLAP Series carriers are an excellent choice for heavy duty as well as long travel applications.

## Specifications

See TS Series (pages 40-41) and TL Series (pages 42-43) and NXL Series (pages 44-45) for complete carrier specification guides.

### 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 Width - Height - Number of Separators - Length"

Sample Part #: **TSAP-6"-5.4-1-60"** (Aluminum Lid)      **TSPL-6"-5.4-1-60"** (Plastic Lid)

## TSAP/TLAP/NXLAP Series Design Guide

### Model#

Aluminum Lid  
TSAP  
TLAP  
NXLAP

See TS Series (pages 40-41) for complete carrier specification guides.  
See TL Series (pages 42-43) for complete carrier specification guides.  
See NXL Series (pages 44-45) for complete carrier specification guides.

### Plastic Lid

TSPL  
TLPL  
NXLPL

See TS Series (pages 40-41) for complete carrier specification guides.  
See TL Series (pages 42-43) for complete carrier specification guides.  
See NXL Series (pages 44-45) for complete carrier specification guides.

### Height

TSAP/TSPL  
TLAP/TLPL  
NXLAP/NXLPL

See TS Series (pages 40-41) for complete carrier specification guides.  
See TL Series (pages 42-43) for complete carrier specification guides.  
See NXL Series (pages 44-45) for complete carrier specification guides.

Note: Armor plates are not available for TS110, TS140, TL160 and NXL240.

## Aluminum Lids

Armor plate style aluminum lids offer maximum protection against hot chips and heavy debris. Available in both easy access snap-in and heavy-duty bolted construction, Armor plate lids are ideal for severe and challenging applications, such as machine tools, mills, and foundries.

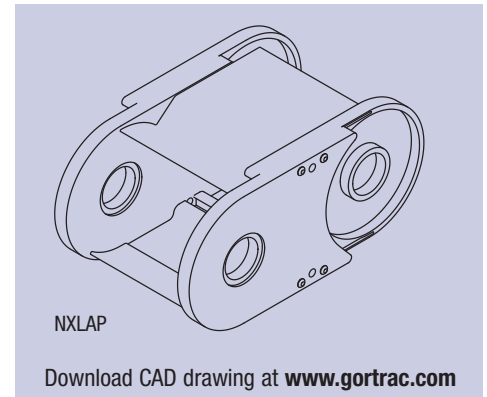
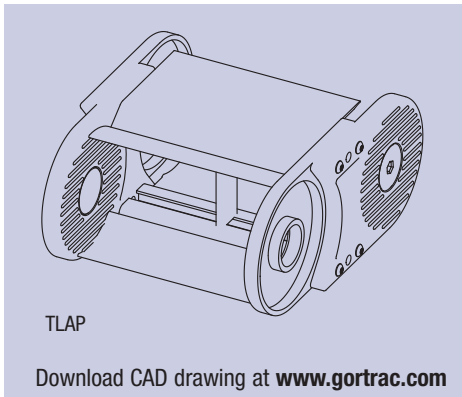
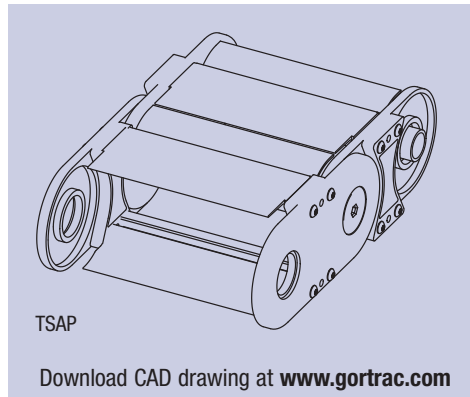


## Plastic Lids

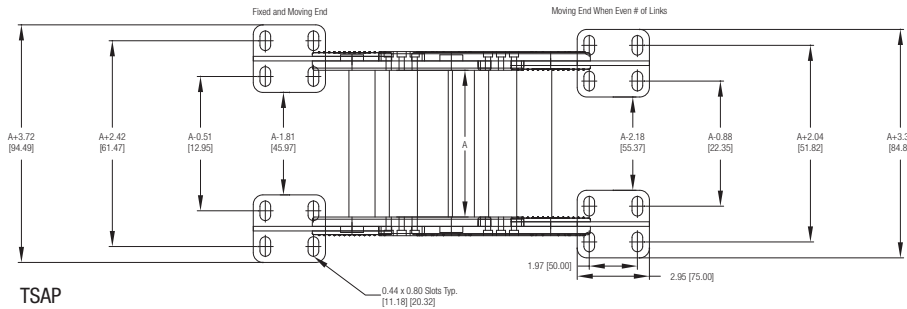
Plastic lids offer a lightweight, easy access alternative to heavy duty aluminum armor plates. Available in a wide range of sizes, their aesthetically pleasing look and ease of access make plastic lids an excellent choice for applications where dust and debris are present.



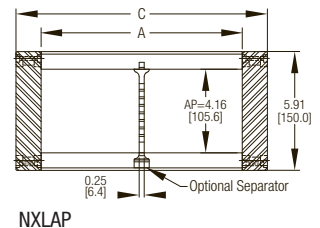
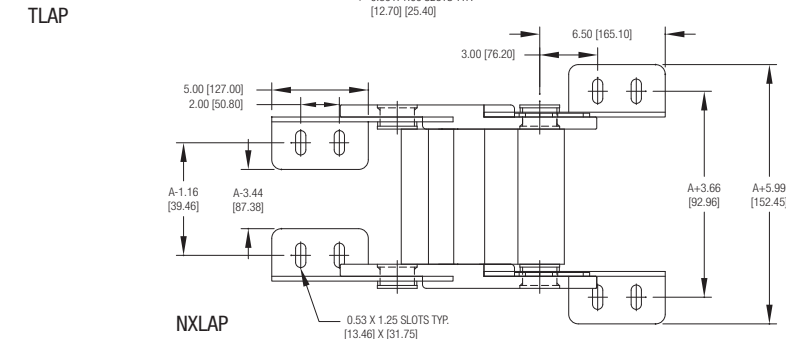
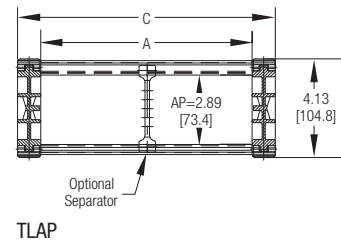
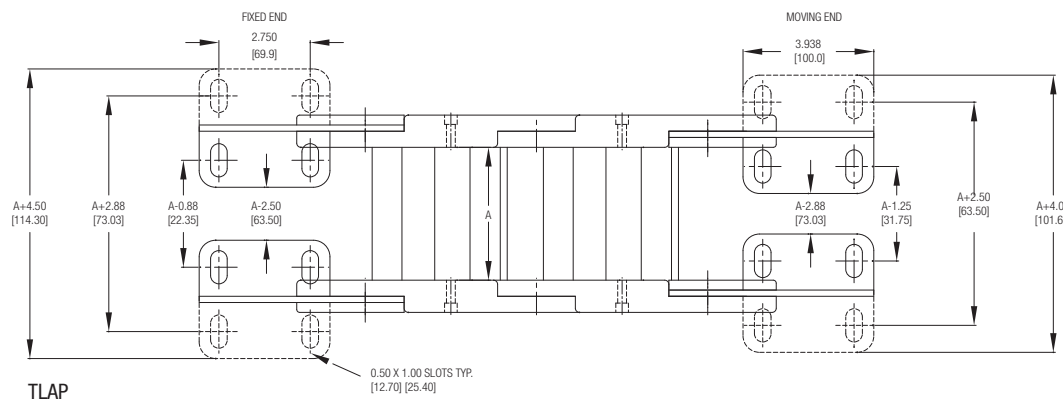
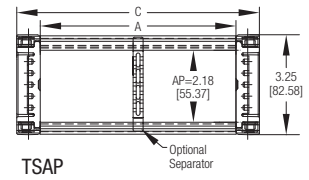
See TS Series (pages 40-41) for Load Charts.  
 See TL Series (pages 42-43) for Load Charts.  
 See NXL Series (pages 44-45) for Load Charts.



### Top View Mounting Hole Dimensions



### Carrier Cross Sectional View





# Armor Plate Options

## Aluminum Lids

Armor plate style aluminum lids offer maximum protection against hot chips and heavy debris. Available in both easy access snap-in and heavy-duty bolted construction, armor plate lids are ideal for severe and challenging applications, such as machine tools, mills, and foundries.



## Plastic Lids

Plastic lids offer a lightweight, easy access alternative to heavy-duty aluminum armor plates. Available in a wide range of sizes, their aesthetically pleasing look and ease of access make plastic lids an excellent choice for applications where dust and debris are present.

# 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 - Height - Number of Separators - Length"**

Sample Part #: **TSAP-6"-5.4-1-60"**      **TSPL-6"-5.4-1-60"**

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.