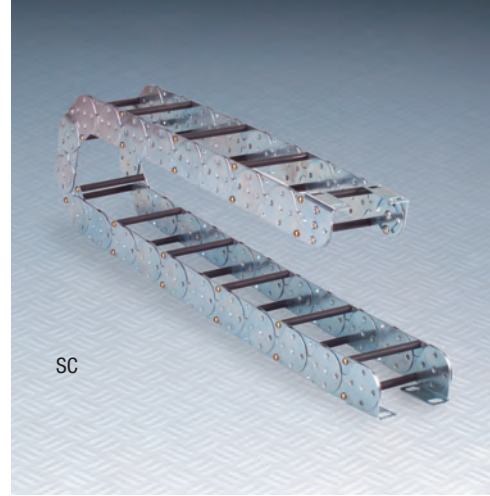


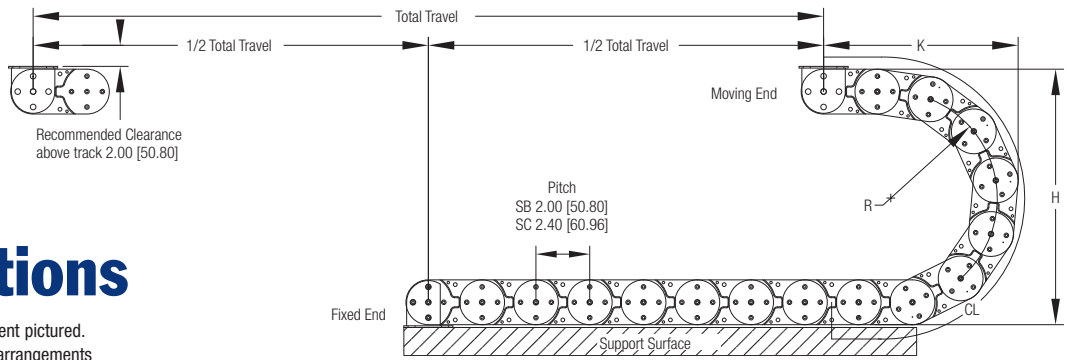
SB



SC

# The SB, SC Series

The SB and SC series are small metallic carriers. Made of Stainless Steel links with aluminum crossbars, the SB and SC carriers are lightweight and excellent choices for mobile construction equipment, machine tools, and medium 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 #: **SB-RB-3.00-55-1-48"**

### SB/SC Series Design Guide

Model#	A INCHES/mm	C INCHES/mm	Weight #/ft./KG/m
SB	CUSTOMER SPECIFIED	A+0.50/12.70	1.08/161
SC	CUSTOMER SPECIFIED	A+0.50/12.70	1.72/256

Cross Bar Styles	RB = Aluminum Round Bar PR = Poly Roller			
SB Height	R	H	K	CL
55	2.06/52.32	5.50/139.70	4.75/120.65	10.50/266.70
SC Height				
75	2.75/69.85	7.50/190.50	6.75/171.45	14.50/368.30
115	4.75/120.65	11.50/292.10	8.75/222.25	21.00/533.40
1325	5.62/142.75	13.25/336.55	9.63/244.60	24.00/609.60

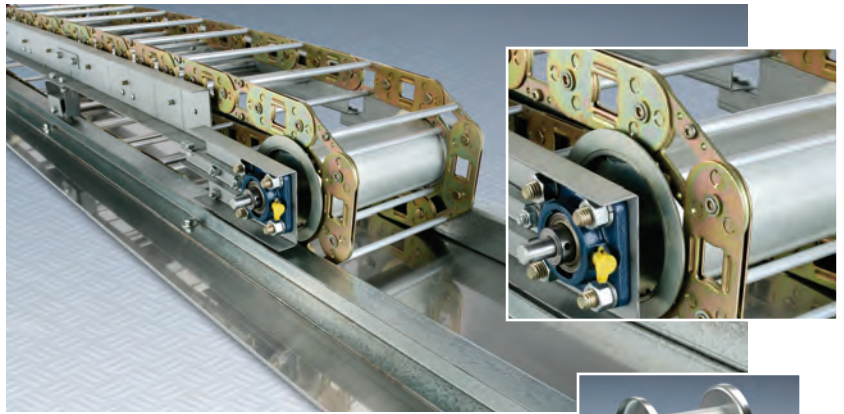


# Long Travel

## Rolling Carriage

A Rolling Carriage is a support system, originally designed for steel carriers 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. Gortrac has also developed carriage systems for plastic carriers that require long travel at high speeds and loads:

- **Lightweight:** Reduced tow forces vs. conventional carriage systems
- **Modular:** Easy to add/remove length
- **Easy assembly:** most components are bolted together
- **Quiet:** Urethane wheels used for low noise
- **Use with plastic or steel track**
- **Track drives/returns carriage** without use of cable
- **Self-guiding** for travels under 50 feet. Guide channel required for travels over 50 feet



## Support Rollers

Stationary support rollers increase travel capability in applications where a carrier's unsupported span is exceeded. These support rollers are heavy duty, height adjustable, and can increase travel up to 4x unsupported capability. One support roller will provide maximum travel 3x the recommended unsupported span. Two support rollers will provide maximum travel 4x the recommended unsupported span. Consult catalog load charts for unsupported span capabilities. Available for both plastic and metal carrier systems.



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

Sample Part #: SRC-RB-5.25-110-3-72" LRC-PR-6.00-200-4-100"

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.