

NYLATRAC® STANDARD

NYLATRAC® STANDARD

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GORTRAC® STEEL

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PLASTIC CARRIERS | NYLATRAC® AND NYLATUBE®

Versatile, user-friendly carrier solutions molded from standard glass-filled nylon or special polymers. These carriers are available in a variety of designs and constructions suited for applications ranging from basic to demanding operation. Durable Nylatrac and Nylatube carriers offer excellent corrosion resistance, and reliable operation in applications requiring high speed/acceleration and/or long travel operation.



NYLATRAC STANDARD

- Plastic solution for light- to medium-duty applications featuring clean, lightweight designs for economical cable/hose management
- Open-style links leave cables/hoses open to regular inspection
- Simple “snap-together” link construction allows easy repair and adjustment of length
- Hinged plastic crossbars provide quick cavity access and easy installation
- Standard sizes available from stock



NYLATRAC MODULAR

- Versatile modular design – easily customized from the widest variety of standard components
- Durable construction from separate glass-reinforced nylon sidebands with locking hubs (replaceable bearings) and multiple lockout points (for incredible strength), joined by top and bottom crossbars or lids
- Enclosed-style designs (with snap-in plastic or bolted aluminum lid armor plates) offer additional protection where needed
- Widest variety of crossbars, most available in custom widths and in plastic or aluminum styles



NYLATUBE STANDARD

- Completely enclosed plastic solution for light- to medium-duty applications featuring clean, lightweight designs for economical cable/hose management
- Enclosed-style links protect cables/hoses from dirt and debris
- Simple “snap-together” link construction allows easy repair and adjustment of length
- Hinged plastic lids (KOE and KLE Series) allow quick cavity access and easy installation
- Standard sizes available from stock

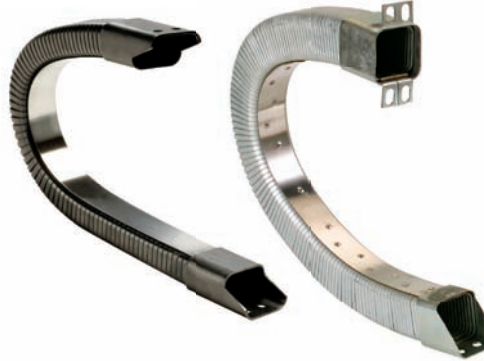
METAL CARRIERS | GORTRAC® AND GORTUBE®

Durable alternative to plastic solutions for heavy-duty or unique and challenging applications. Innovative Gortrac carriers provide superior strength-to-weight ratios and maximum unsupported spans. Fully-enclosed Gortube carriers offer the best protection from hot and abrasive elements and liquids, and can operate at faster speeds and accelerations.



GORTRAC STEEL

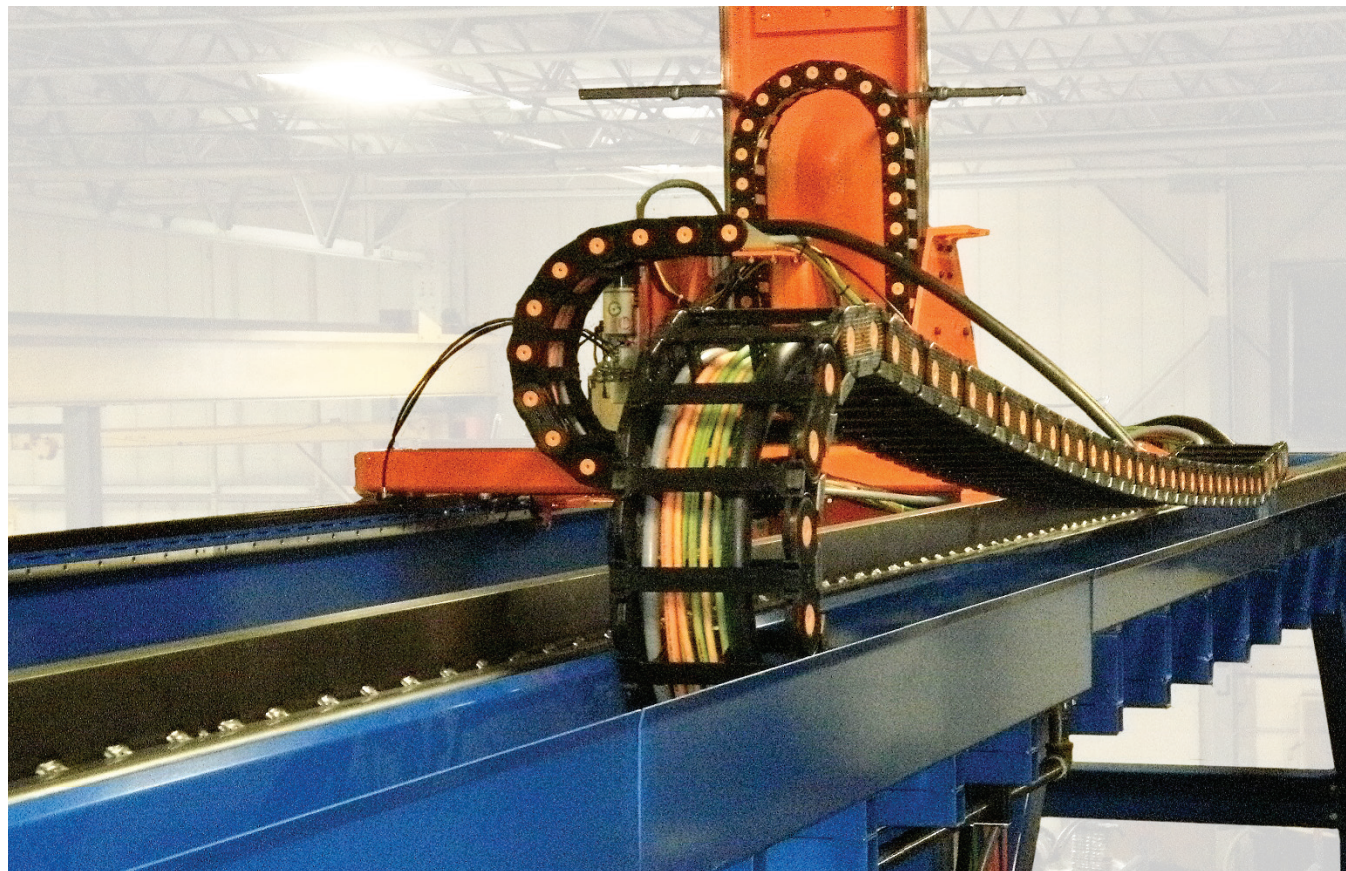
- Excellent load-bearing and unsupported travel capability (depending on carrier load)
- Longer travels can be achieved with Gortrac Long Travel Support Systems (pages 102-105)
- Unique, patented link designs reduce parts and simplify construction while providing the strongest carriers, at lighter weights, relative to size
- Manufactured from plated or stainless steel – our zinc dichromate plating process offers 70% better corrosion resistance than standard zinc plating
- Open-style, self-cleaning designs allow dirt and debris to be expelled from the carrier, and leave cables/hoses open to regular inspection
- Enclosed-style designs (with bolted aluminum lid armor plates) protect cables/hoses from heavy abrasive and hot chip loads



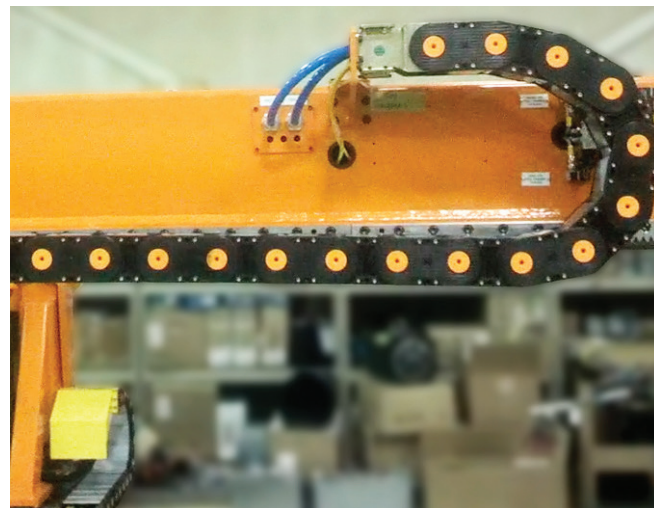
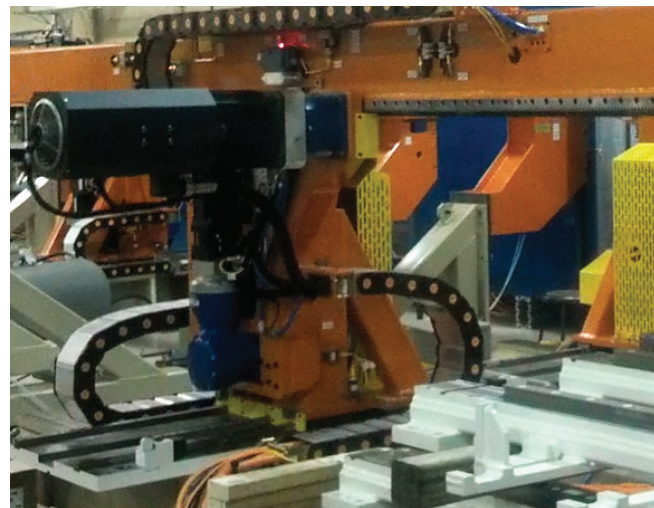
GORTUBE STEEL

- Conduit-style galvanized steel tube fully encloses cables/hoses to resist hot chips, swarf, cutting oils and lubricants
- Smooth, low-noise operation; suitable for faster speeds and accelerations
- Construction options for high temperatures, corrosive environments, or multi-axis and rotational applications
- Optional black oxide finish
- Wide range of sizes – 24 different size/radius combinations

PLASTIC CARRIERS | APPLICATION EXAMPLES



Nylatrac® Modular TS and TSC carriers installed on custom pick-and-place equipment provide cable/hose management for long travel and three axis of operation.

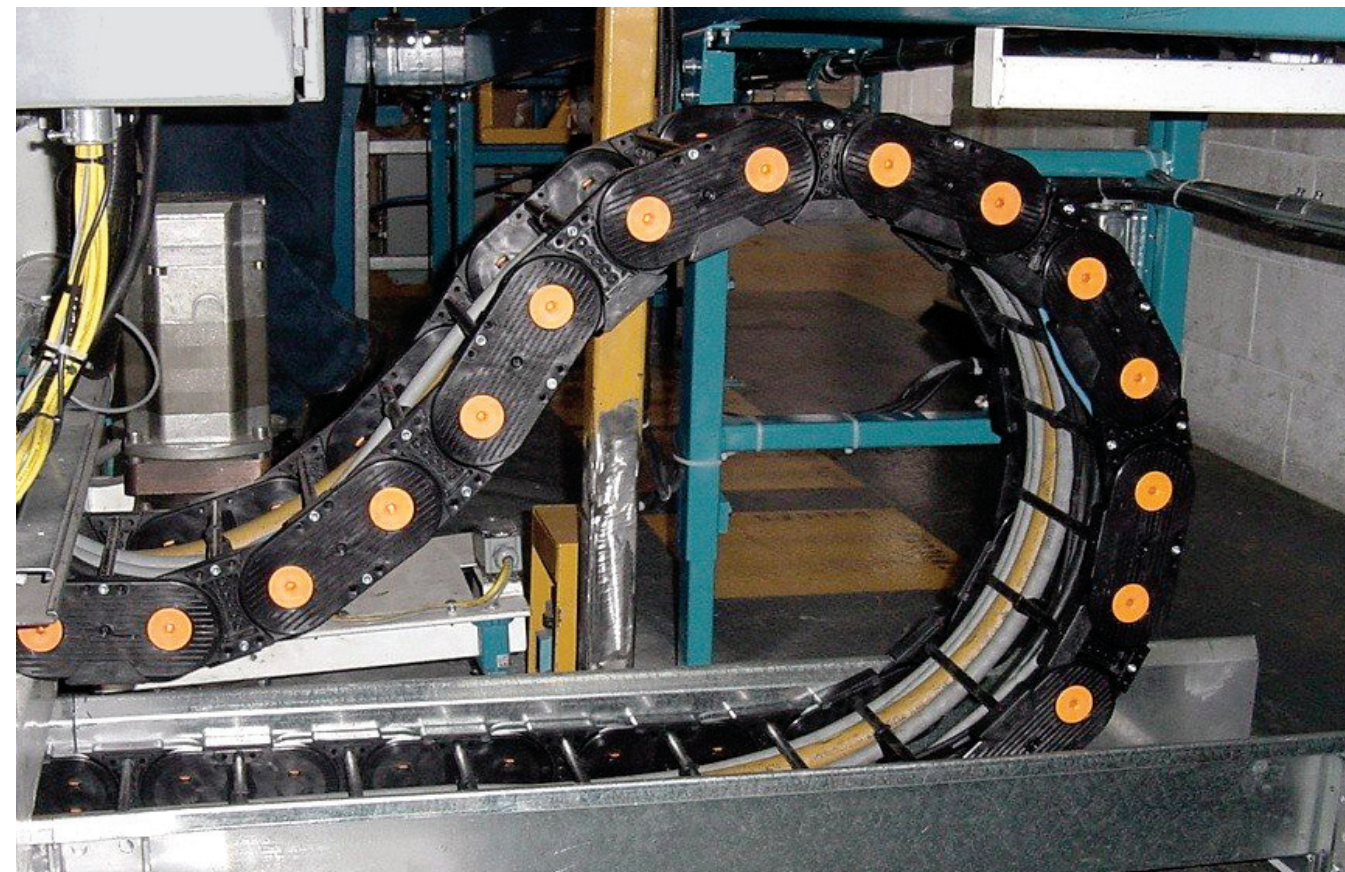


Nylatrac Modular TS carriers protect cables/hoses in multiple directions on high-speed servo-driven press transfer automation equipment. Bolted aluminum armor plates shield the utility package from debris in a metal stamping environment.

PLASTIC CARRIERS | APPLICATION EXAMPLES

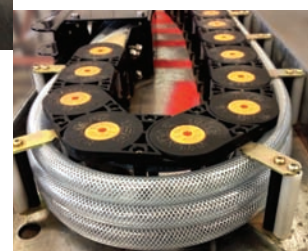


Nested Nylatrac® Modular TL carriers operate fully submerged at an entertainment attraction. These carriers are designed for rotational and long travel in a side-mounted configuration.



In this low-mount gliding application, decreased tow force is achieved with a Nylatrac Modular TS carrier with low-friction modular sliders. Low mounts are used in carrier designs for increased load/travel capability.

PLASTIC CARRIERS | APPLICATION EXAMPLES



Nylatrac® Modular TSC carriers manage the cables and hoses connected to a Roboleo automated milking robot. Cavity separators placed every link prevent the hoses from sagging, and replaceable modular sliders on the side-mounted carrier protect link side bands from excessive wear.

A long travel side-mounted TSC carrier (shown at the right) is customized with window extenders equipped with double poly rollers to accommodate hoses along outer radius while keeping cables organized within inner radius due to link height restriction.

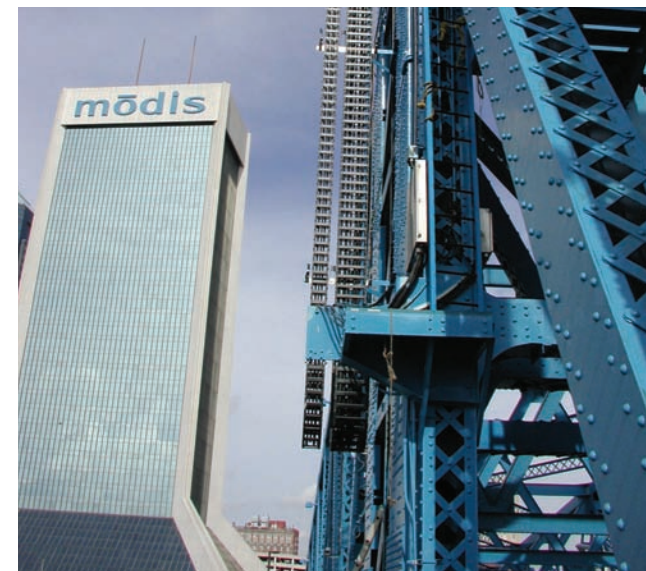


Nylatrac Modular TL carriers designed for long travel on a multi-axis riveting machine. The open-style carrier (lower left) is equipped with aluminum flat bars and low-friction modular sliders in a lowered mounting height configuration. The enclosed-style carrier (upper right) shields cables from ejected rivet heads and debris with heavy-duty bolt-in aluminum armor plates.

PLASTIC CARRIERS | APPLICATION EXAMPLES

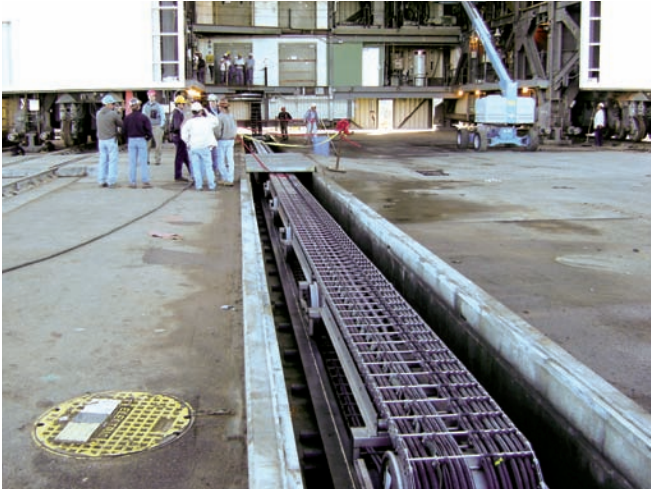


A complete cable carrier system designed by Dynatect includes a high-velocity rolling carriage and Nylatrac® Modular TL carriers to achieve long travel in a steel mill.

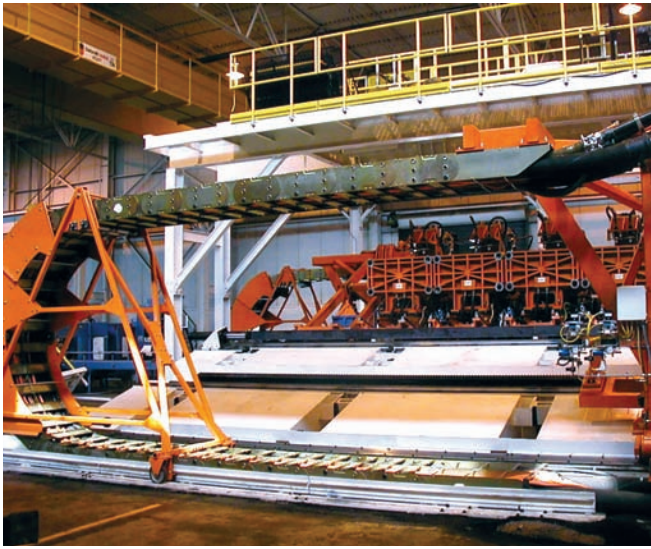
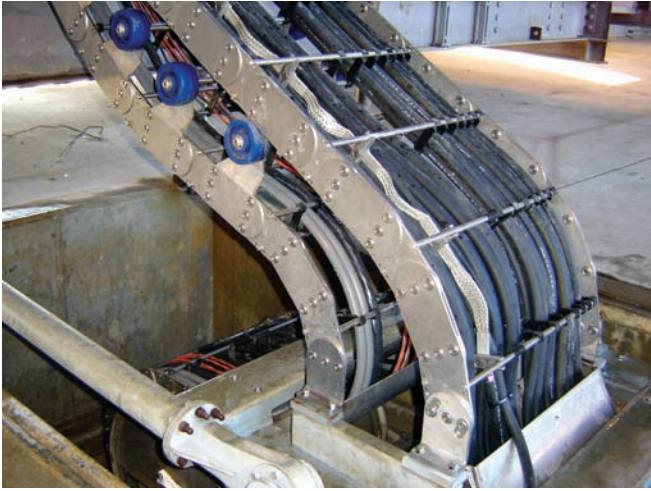


Nylatrac Modular TL carriers, with anodized aluminum crossbars for added strength in heavy wind conditions, maintain the lines for electric and hydraulic controls on a vertical lift bridge. Shown: The Main Street Bridge in Jacksonville, Florida.

METAL CARRIERS | APPLICATION EXAMPLES



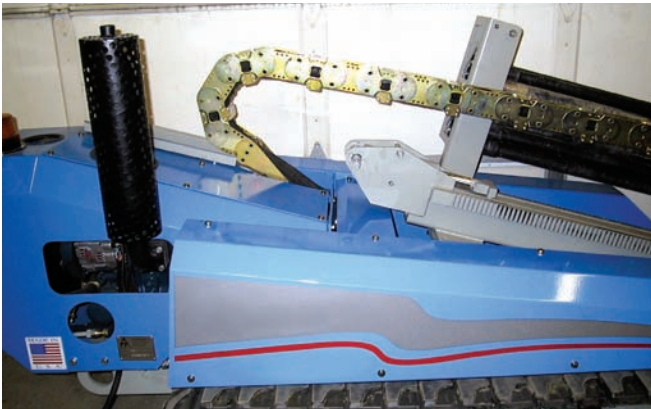
Custom stainless steel Gortrac® LRC carrier system with rolling carriage for a rocket launch system in California. Driven end modified for customer's application requirements.



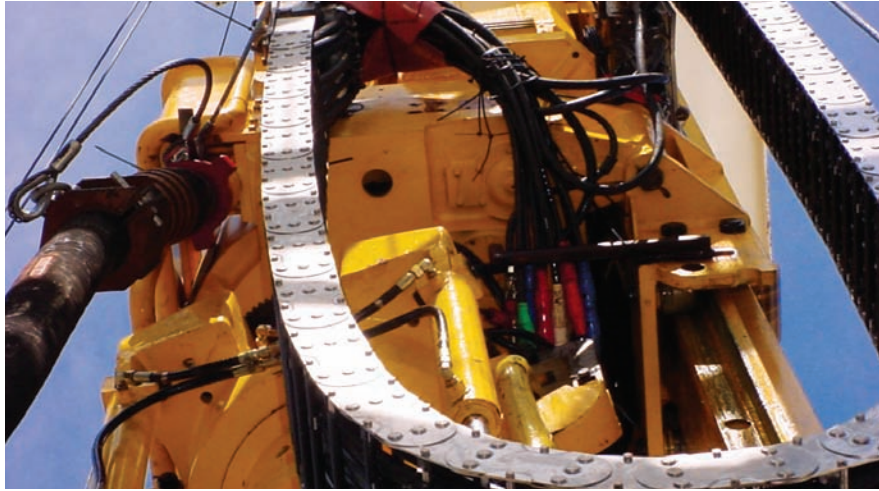
Blow-molding application with Gortrac steel XL carrier with patented "Walker" support system to reduce shock load by preventing link lock-out.



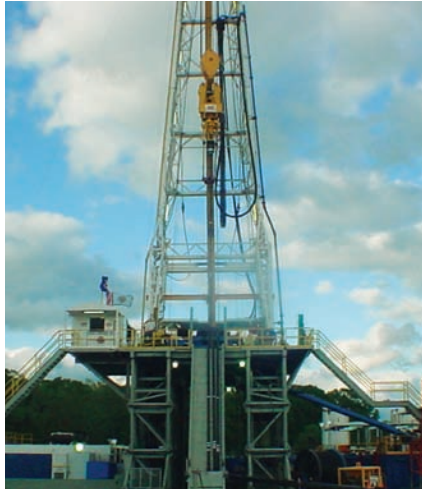
Gortrac steel SRC carrier with window extenders on underground boring equipment.



METAL CARRIERS | APPLICATION EXAMPLES



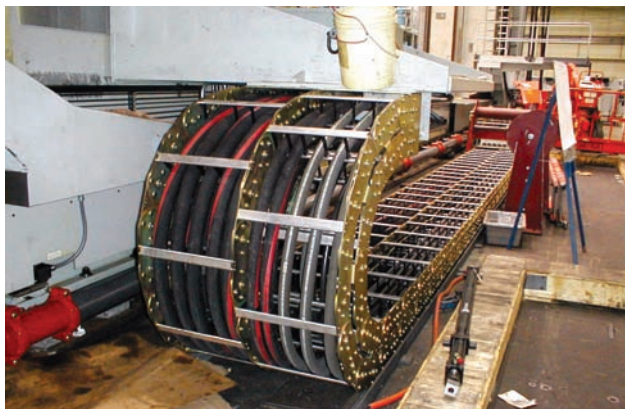
Custom 91-foot long Gortrac® stainless steel LRC carrier maintains cables and hoses on an oil rig platform. Dynatect supplies many custom engineered carrier systems to the oil and gas industry.



Custom 24-inch Gortrac steel XL carrier for paper converting application. XL side links can be delivered in virtually any size.



Enclosed-style Gortrac steel XL carrier in steel cable heat-treating application for unsupported long travel. Armor plates protect cables in aggressive environments.



Nested Gortrac steel XL carrier system used on a large machining center for the aerospace industry.

HOW TO SIZE YOUR CARRIER

STEP 1: List all cables and hoses.

STEP 2: Determine minimum cavity height (**dimension B**) by adding a safety factors to the outer diameter of the largest cable or hose.

Safety Factors

- Cables: + 10%
- Hoses: + 20%
- Total ideal fill: 60%

STEP 3: Determine cavity width (**dimension A**) by adding the outer diameters and appropriate safety factors (see Step 2) of all cables and hoses. If using vertical cavity separators, add separator width. If using horizontal cavity dividers, be sure that the same safety factors apply and there is adequate vertical space between dividers. (See page 98 for carrier installation instructions.)

STEP 4: Consult sizing index of the Quick Selection Guide for pre-selection of appropriate series.

- Plastic Carriers Quick Selection Guide: See pages 114-115
- Metal Carriers Quick Selection Guide: See pages 156-157

STEP 5: Check outer width (**dimension C**) and outer height (**dimension D**) dimensions against potential space restrictions.

STEP 6: Select carrier bend radius (**dimension R**) of carrier by consulting cable/hose manufacturer's specifications.

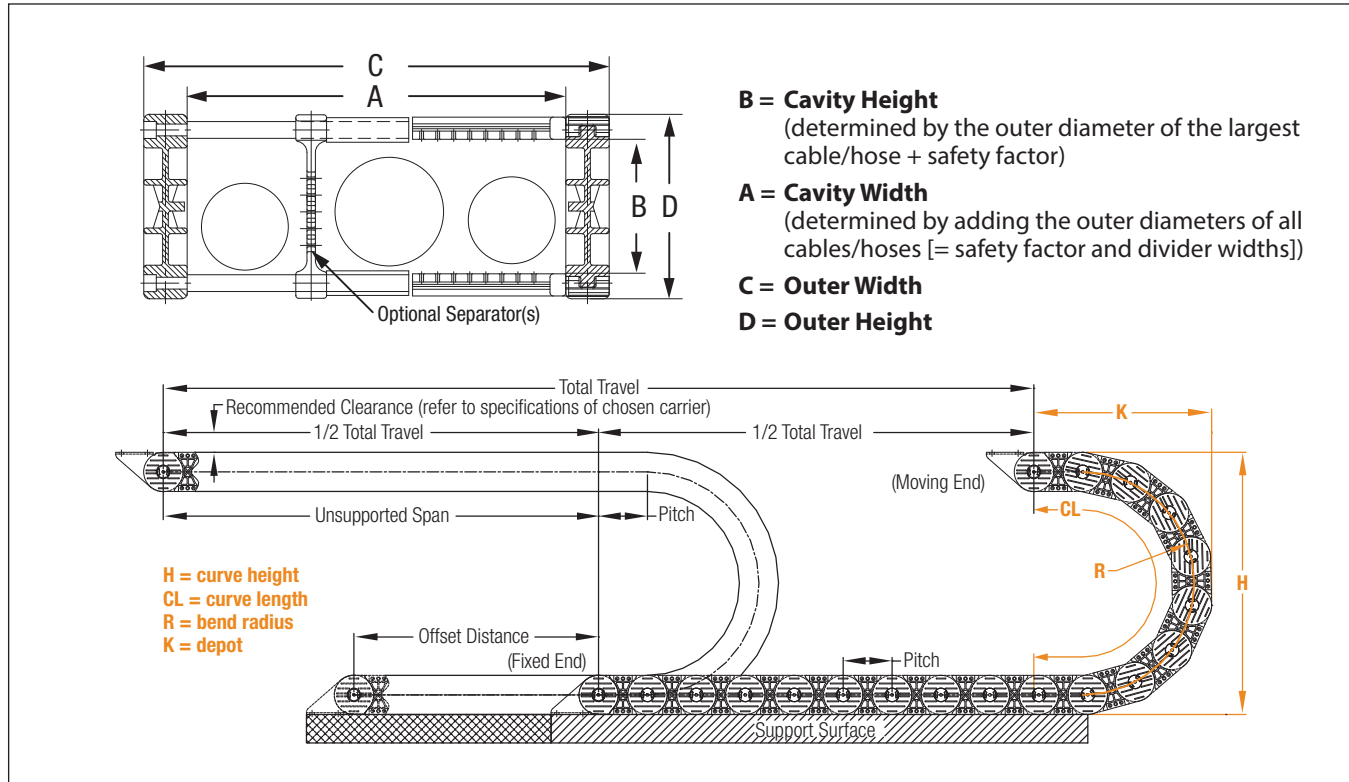
STEP 7: Check depot (**dimension K**) and curve height (**dimension H**) dimensions against potential space restrictions*.

STEP 8: Determine total required machine travel (total travel). To minimize carrier length, fixed end of carrier should be mounted at center of travel, when possible.

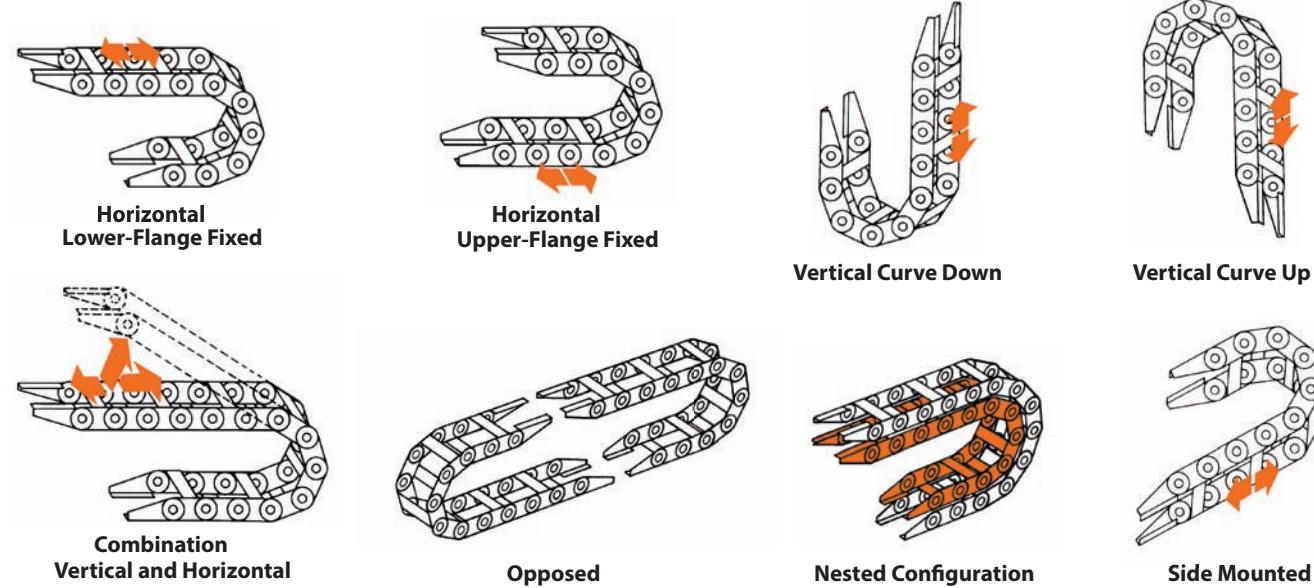
STEP 9: Consult the specifications page for curve length (**dimension CL**) of the chosen carrier.

STEP 10: Calculate Carrier Length:
Carrier Length = (Total machine travel/2) + CL (curve length) + Offset distance from center of travel*

*If fixed end is not mounted at center of travel. For minimum carrier length, moving bracket should be mounted directly above fixed bracket when machine is in center of travel. Offset is the dimension between fixed and moving bracket at center of travel.



TYPICAL APPLICATIONS



TERMS AND DEFINITIONS

Carrier Length = (Total Machine Travel/2) + Curve Length + Offset
For minimum carrier length, moving bracket should be mounted directly above fixed bracket when machine is in center of travel. Offset is the dimension between fixed and moving bracket at center of travel.

Curve Height (H)
The overall height of the carrier at the loop. While (H) is the designed height at the loop, clearance should be provided above the carrier. This will be true of either metal or plastic carrier to account for built-in camber. Gortrac® carriers have a positive camber or pre-tension designed into the links in order to provide additional self-supporting length in horizontally oriented applications. This camber adds to the clearance required above the track. (See "Recommended Clearance" specification). In applications with limited space or non-horizontal orientations, this camber can be reduced or eliminated. For details, including any resulting reductions in unsupported span, please contact your Dynatect representative.

Carrier Bend Radius (R)
Minimum bend radius of the cable and hose carrier should be larger than the recommended bend radius of the stiffest cable or hose installed in the carrier. Consult with cable or hose manufacturer for recommended bend radius.

Curve Length (CL) = (π x Radius 'R') + (Pitch x 2)
Curve length is dependent on radius and link pitch – refer to Series specifications.

Pitch
Refers to the distance between the pivot point centerlines of adjacent links.

Depot (K)
The centerline from the first link pivot point to the end of the carrier in retraction.

Load
The total weight of the cables and hoses within the carrier. This is usually called out in pounds per foot. If hoses will contain liquid, please include that weight.

Maximum Speed
The maximum velocity of the moving end of the carrier during its travel.

Maximum Acceleration
The maximum acceleration of the moving end of the carrier during its travel.

Unsupported Span
Every carrier has an unsupported span. This span is a condition of link construction and the fill weight of the cables and hoses being carried. As the unsupported span of the carrier is exceeded, the carrier begins to sag. Dynatect will recommend proper support guidance when carrier fill weight exceeds its free carrying length. Refer to Series specifications for load charts.

Metal vs. Plastic Carriers
Dynatect offers plastic, metal and hybrid carriers to satisfy the broadest range of applications. In general, use Gortrac steel carriers with elevated operating temperatures or when heavy loads exceed the maximum unsupported travel of plastic carriers. Use Gortrac steel carriers with lower speeds; however, higher speeds have been achieved with control of acceleration and deceleration. Plastic carriers are usually the first choice in applications requiring higher speeds and accelerations and long travel.

Gortrac steel link carriers have the highest strength-to-weight ratio and maximum unsupported span capability. Dynatect offers several lightweight steel carriers that are competitively priced with plastic, while providing significantly greater strength than similar-sized plastic carriers.

Open-Style vs. Enclosed- Style Carriers
Dynatect offers both open and enclosed style options. Open-style carriers provide easy cable/hose inspection, while enclosed-style carriers offer protection from damaging outside elements such as hot chips.

CABLE CLAMPING AND STRAIN RELIEF

Proper installation in conjunction with clamping cables ensure that the proper length of cable stays consistently in the carrier. Cables ideally should ride as close to the neutral axis of the carrier as possible. Cables that are not clamped can either pull against the inner radius, causing jacket and crossbar wear, or; they will pull cables into the carrier causing them to snake and bunch through crossbars at the radius. Cable clamping is recommended at both moving and stationary ends of a carrier; however in applications with high pressure hydraulic hoses, we recommend clamping at moving end of the carrier only.

Dynatect offers a variety of clamp styles and designs, as well as mounting brackets with incorporated strain relief fingers



Gortrac Rail Clamping System

- Can be integrated into most carriers
- Quick installation
- Stackable design provides space efficiency
- Available for 1, 2, or 3 stacked cable configurations
- Custom spacers can be designed to accommodate cables/hoses too small for clamp range
- Clamp material: hot-dipped galvanized steel (stainless steel available upon request)



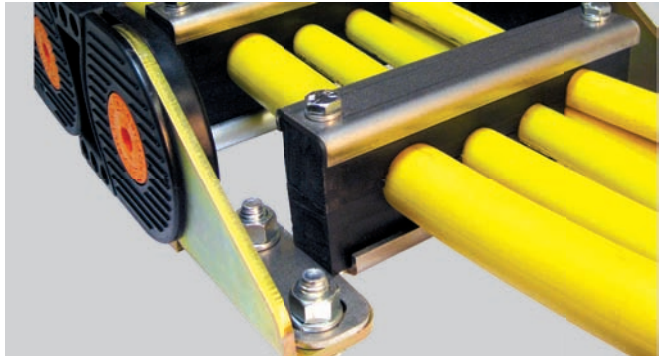
Integrated Strain Relief Mounting Brackets

- Optional on most cable carriers
- Cables secured to tabs using zip ties

for a quick and easy zip tie clamping solution. Standard and custom designs are available. Ready to install assemblies can be shipped complete with cables/hoses and necessary clamping.

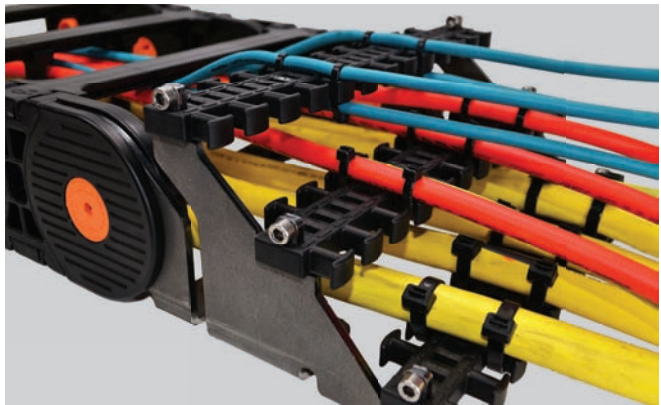
OPTIONS

- Traditional saddle clamps/rail clamping arrangements (see opposite page for specs)
- Custom UHMW clamps
- Zip tie bracket bar
- Strain relief mounting brackets with integral zip tie fingers



Custom UHMW Clamps

- Can be integrated into most carriers
- Quick installation



Zip Tie Bar for Mounting Brackets

- Zip tie bars integrated into mounting brackets
- Tiered structure for easy access
- Double rows of large fingers hold more zip ties
- Anti-slip ridges on bar prevent cable slippage

GORTRAC® RAIL CLAMPING | SPECIFICATIONS

SINGLE STACK CLAMPS

CABLE/HOSE DIAMETER RANGE inches (mm)	OVERALL WIDTH DIM. "O.A." inches (mm)	GORTRAC PART NO.
0.24 (6) - 0.47 (12)	0.61 (16)	HN0003-12.1
0.31 (8) - 0.55 (14)	0.69 (18)	HN0003-14.1
0.31 (8) - 0.63 (16)	0.77 (20)	HN0003-16.1
0.31 (8) - 0.71 (18)	0.85 (22)	HN0003-18.1
0.43 (11) - 0.86 (22)	1.01 (26)	HN0003-22.1
0.67 (17) - 1.02 (26)	1.17 (30)	HN0003-26.1
0.87 (22) - 1.18 (30)	1.32 (34)	HN0003-30.1
0.87 (22) - 1.34 (34)	1.48 (38)	HN0003-34.1
1.10 (28) - 1.50 (38)	1.65 (42)	HN0003-38.1
1.18 (30) - 1.65 (42)	1.81 (46)	HN0003-42.1
1.57 (40) - 1.81 (46)	2.03 (52)	HN0003-46.1
1.65 (42) - 1.97 (50)	2.18 (56)	HN0003-50.1
1.73 (44) - 2.13 (54)	2.34 (60)	HN0003-54.1
1.97 (50) - 2.28 (58)	2.50 (64)	HN0003-58.1
2.13 (54) - 2.52 (64)	2.74 (70)	HN0003-64.1
2.28 (58) - 2.76 (70)	2.97 (76)	HN0003-70.1
2.52 (64) - 2.99 (76)	3.21 (82)	HN0003-76.1
2.76 (70) - 3.23 (82)	3.44 (88)	HN0003-82.1
2.91 (74) - 3.54 (90)	3.76 (96)	HN0003-90.1
3.23 (82) - 3.94 (100)	4.15 (106)	HN0003-100.1
3.70 (94) - 4.33 (110)	4.55 (116)	HN0003-110.1

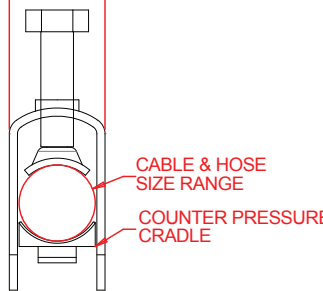
DOUBLE STACK CLAMPS

CABLE/HOSE DIAMETER RANGE inches (mm)	OVERALL WIDTH DIM. "O.A." inches (mm)	GORTRAC PART NO.
0.31 (8) - 0.47 (12)	0.61 (16)	HN0002-12.2
0.39 (10) - 0.55 (14)	0.69 (18)	HN0002-14.2
0.47 (12) - 0.63 (16)	0.77 (20)	HN0002-16.2
0.55 (14) - 0.71 (18)	0.85 (22)	HN0002-18.2
0.63 (16) - 0.86 (22)	1.01 (26)	HN0002-22.2
0.79 (20) - 1.02 (26)	1.22 (31)	HN0002-26.2
0.94 (24) - 1.18 (30)	1.38 (35)	HN0002-30.2
1.02 (26) - 1.34 (34)	1.54 (39)	HN0002-34.2
1.26 (32) - 1.50 (38)	1.71 (44)	HN0002-38.2
1.42 (36) - 1.65 (42)	1.87 (48)	HN0002-42.2
1.50 (38) - 1.81 (46)	2.03 (52)	HN0002-46.2
1.69 (43) - 1.97 (50)	2.18 (55)	HN0002-50.2

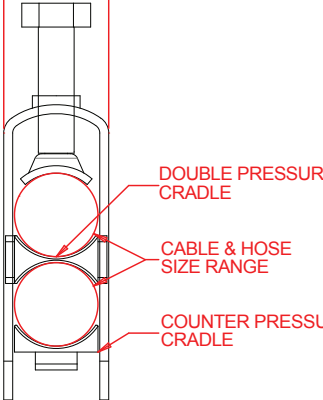
TRIPLE STACK CLAMPS

CABLE/HOSE DIAMETER RANGE inches (mm)	OVERALL WIDTH DIM. "O.A." inches (mm)	GORTRAC PART NO.
0.35 (9) - 0.47 (12)	0.61 (16)	HN0004-12.3
0.47 (12) - 0.55 (14)	0.69 (16)	HN0004-14.3
0.51 (13) - 0.63 (16)	0.83 (21)	HN0004-16.3
0.63 (16) - 0.71 (18)	0.89 (23)	HN0004-18.3
0.71 (18) - 0.79 (20)	0.99 (25)	HN0004-20.3
0.71 (18) - 0.86 (22)	1.06 (27)	HN0004-22.3
0.86 (22) - 1.02 (26)	1.22 (31)	HN0004-26.3
0.94 (24) - 1.10 (28)	1.30 (33)	HN0004-28.3
1.10 (28) - 1.18 (30)	1.38 (35)	HN0004-30.3

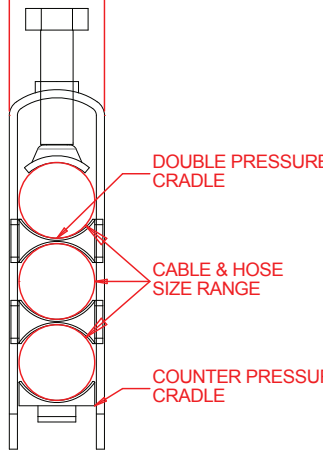
Single Cable Clamp



Double Cable Clamp



Triple Cable Clamp

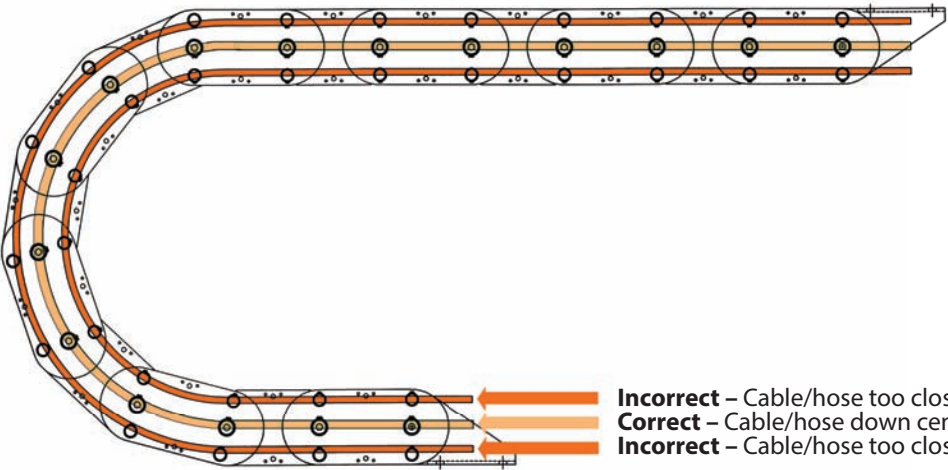


Note: Counter pressure cradles are supplied with all clamps. When clamp rail specified, length is determined by cable carrier width, number of cable clamps and/or customer-specified space requirements.

CABLE/HOSE CARRIER | INSTALLATION GUIDE

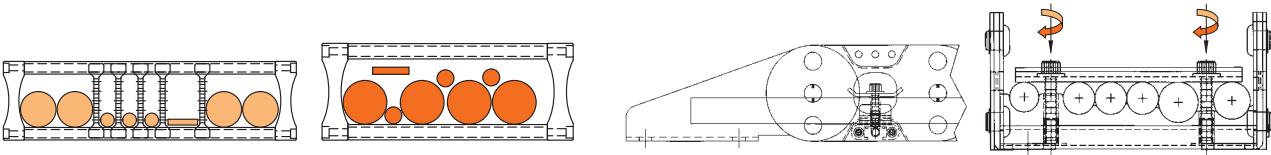
Special care and consideration should be taken while installing cables and hoses. The correct installation of cables and hoses is one of the most important aspects of the entire system. Proper installation will greatly affect the cable

carrier system cycle life, as well as the cycle life of the cables and hoses. The following guidelines should be followed to maximize the life of the cables and cable carrier system.



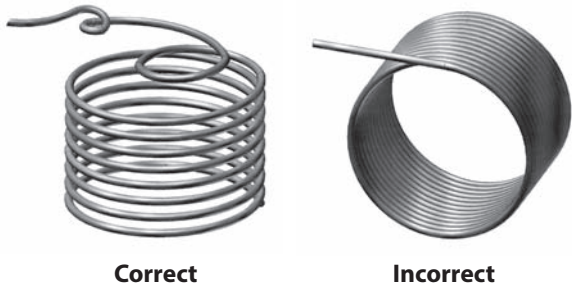
Recommended Cable/Hose Placement

The cables/hoses must not be twisted and should be free of kinks or other irregularities. When stacking cables/hoses, care should be taken to ensure enough slack has been provided to allow cables/hoses to travel freely on top of one another.

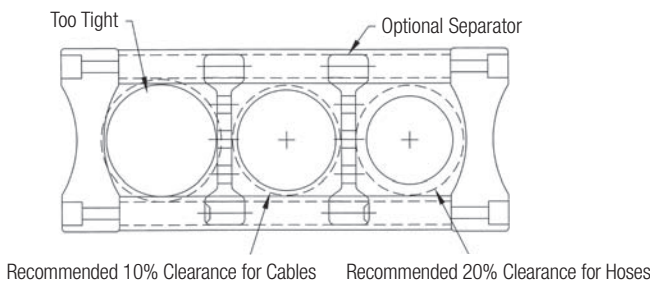


The stacking or direct side-by-side placement of cables and hoses with large cross-sectional differences is not recommended.

All cables and hoses should be secured at both the fixed and moving ends. Please do not pinch the cables/hoses excessively while clamping the ends in place. In applications with high pressure hydraulic hoses, we recommend clamping only at the moving end of the carrier.



Make certain that the cable/hoses are laid into the carrier "twist-free". Cables/hoses supplied in rolls or on roll reels should be unrolled, not pulled sideways or off the top of the coil.



Dynatect recommends a minimal 10% clearance for each cable overall diameter and 20% clearance for each hose overall diameter. (60% total cavity fill optimal)

GORTRAC® | DYNATECT ADVANTAGES ADD VALUE

In addition to providing cable and hose carriers, Dynatect offers complete value-added services and programs for our customers. These services range from basic procurement and installation of cables and hoses into carrier assemblies to process support like Kanban, JIT and vendor-managed

inventory programs, to the design and manufacture of turn-key, engineered assemblies. With six plants in North America and divisions in Asia and Europe, we have the capacity and capabilities to support the requirements of high volume OEM programs, as well as large, complex projects.

PRE-ASSEMBLED CARRIERS

Dynatect can deliver carrier assemblies pre-loaded with cables and hoses or complete harnesses with connectors and fittings for plug-and-play installation. Cables, hoses and fittings can be purchased by Dynatect to your specification or dropped shipped from your vendor. Either way, our installation team will ensure that the final

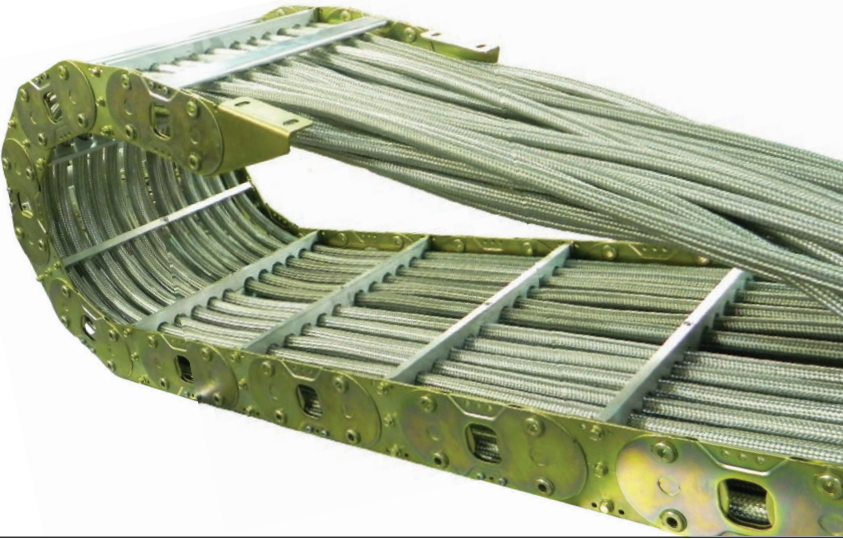
product arrives on your floor correctly and on time. All pre-loaded systems pass through quality and inspection checks as part of the installation process, confirming arrangement, conformance and cut off lengths, before they leave our facilities.



Nylatrac® carrier system pre-loaded on Dynatect-designed reels for quick installation.



Ready-to-install Nylatrac NSB carrier.



Steel SRC carrier pre-loaded with steel hoses.

GORTRAC® | DYNATECT ADVANTAGES ADD VALUE

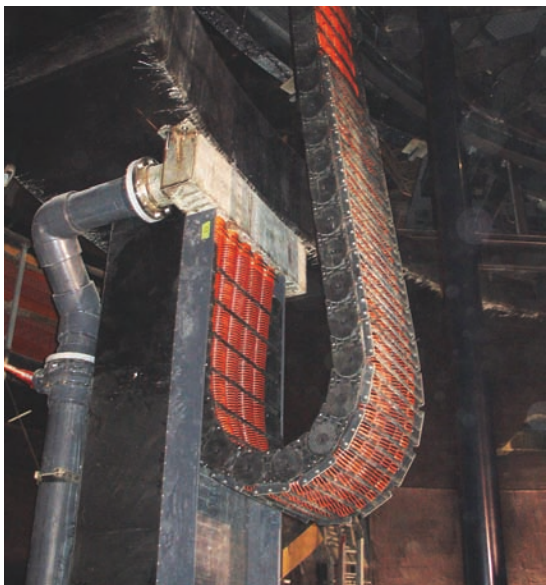
TURN-KEY ENGINEERED ASSEMBLIES

Whether you require a simple modification to a standard mounting bracket for a drop-in replacement, or you would like us to design and deliver a complete, Turn-key engineered assembly, Dynatect has the value-added solution you are looking for. In addition to completely harnessed carrier systems, we can fabricate manifolds and junction boxes, tow arm assemblies, guidance and support systems, safety mechanisms, shrouds and

enclosures, and other associated components. We can also incorporate other Dynatect products such as protective covers, roll-up doors, slip clutches and motors and ball or lead screws into our designs and our network of plants provide a wide range of manufacturing and fabrication capabilities. This vertical integration allows us to provide specialized assemblies cost effectively and on time.

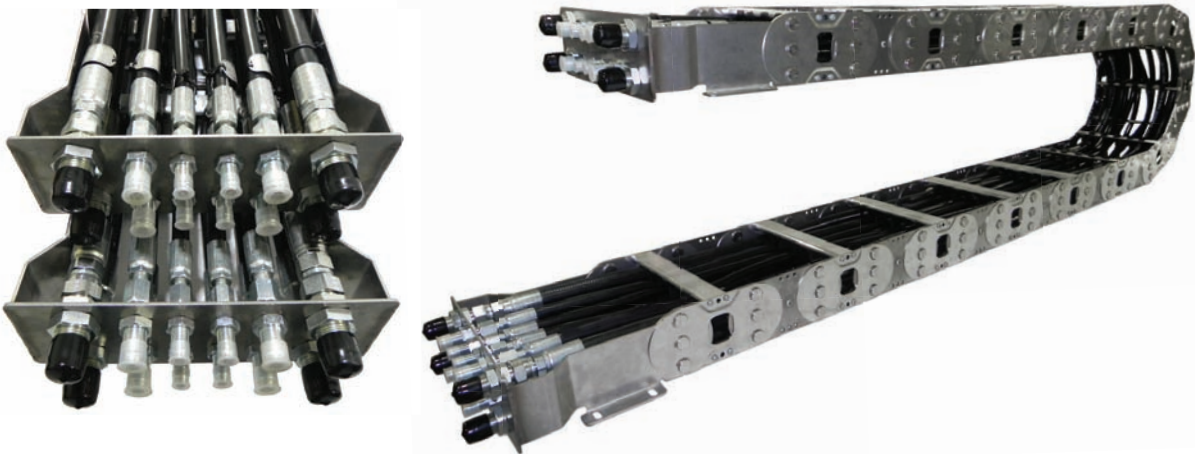


Blow-molding application with steel XL carrier with patented "Walker" support system to reduce shock load by preventing link lock-out.



Dynatect-designed cable carrier, guidance and manifold system for hydraulic cylinder lifting platform in the entertainment industry.

Stainless steel LRC Series carrier, designed for outdoor-duty, supplied with pre-installed cables and hoses and custom mounting brackets with incorporated bulk-head plates.



GORTRAC® | DYNATECT ADVANTAGES ADD VALUE

ORDERING MADE EASY

In addition to delivering complete assemblies, Dynatect offers a variety of services designed to make specification and procurement easier:

- Using our free web conferencing service, we can quickly put together design teams to facilitate solutions to complex opportunities. More than just video conferences, these meeting allow our engineers to share photo, video and documents with your design team in real time. Design and print approvals can be accomplished online, increasing productivity and shortening the design cycle.
- We can customize a Kanban or JIT program to ensure delivery with minimized inventory requirements. We can

also set up a vendor-managed inventory and tool crib replenishment program designed to directly integrate into your manufacturing process.

- We offer educational forums both in person and online designed to improve your assembly and take time and to pass on best practices for cable and hose management and system design. We can also provide on-site installation supervision.

Dynatect has the experience and capabilities to design and deliver a valued-added carrier system for your next application. Let us show you how easy it is. Call us today and ask to speak to one of our application's engineers.



Dynatect can customize a Kanban or JIT program to ensure delivery with minimized inventory requirements.



Nested steel carrier assembly supplied complete with long travel guide trays and trolley system, and custom steel crossbars.



GUIDE TROUGH SYSTEMS | PLASTIC CARRIERS

UNSUPPORTED SPAN IN CARRIER OPERATION

Every cable carrier has an unsupported span. This span is a condition of link construction and the fill weight of the cables and hoses being carried. As the unsupported span of the carrier is exceeded, the carrier begins to sag. In plastic carrier systems, support guidance is required when sag reaches the point where the upper (moving) section of the carrier contacts the lower section.

GUIDE TROUGHS

The most common method of support in plastic carrier applications where unsupported spans are exceeded is to install a guide trough to prevent lateral movement during travel. In a center mounted application, the trough consists of two sections: deep and shallow. As the carrier begins to travel from the retracted position, it initially sags and rides on itself. When the gliding section passes the center point, it transitions to the shallow trough segment.

Features/Benefits:

- Prevents lateral movement during travel
- Modular: Easy to add/remove sections
- Fast, easy assembly
- Designed for center mount, offset mount, or opposed travel

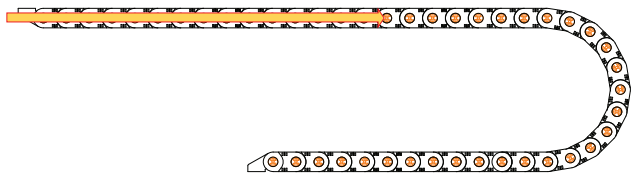


LOWERED MOUNTING HEIGHT

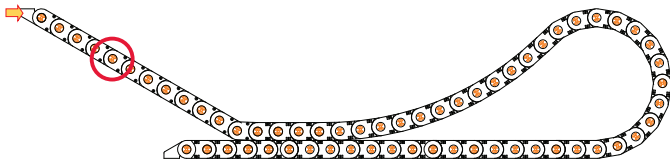
An important consideration for applications requiring plastic carriers in a guide trough is the bending moment that occurs at the moving end as the carrier is pushing, particularly when high velocities/accelerations and heavy fill weights are introduced.

A potential solution for this problem is lowering the mounting height of the carrier, thereby reducing the bending moment. In a lowered mounting height design, the moving end begins gliding immediately as it begins to push. The lowered mounting height is achieved by adding reverse bend links, extending the 'K' dimension of the carrier. Dynatect Engineering can run tow force calculations on an application to determine whether a lowered mounting height is advisable.

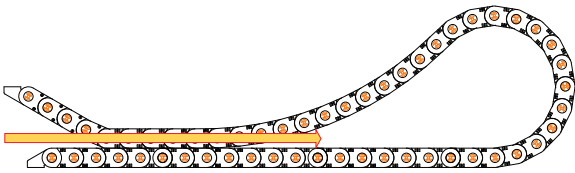
In cases where the moving end cannot be lowered due to application restrictions, a "push plate" may be utilized. If the moving end cannot be mounted at the recommended mounting height, a push plate provides additional support to the carrier system at the bending moment that occurs at the moving end as the carrier is pushing.



When the carrier performs under normal operation without sag, force is applied in a straight trajectory along the moving section.



As sag is introduced, the mass of the carrier falls below the force plane, creating a bending moment on the links at the moving end.

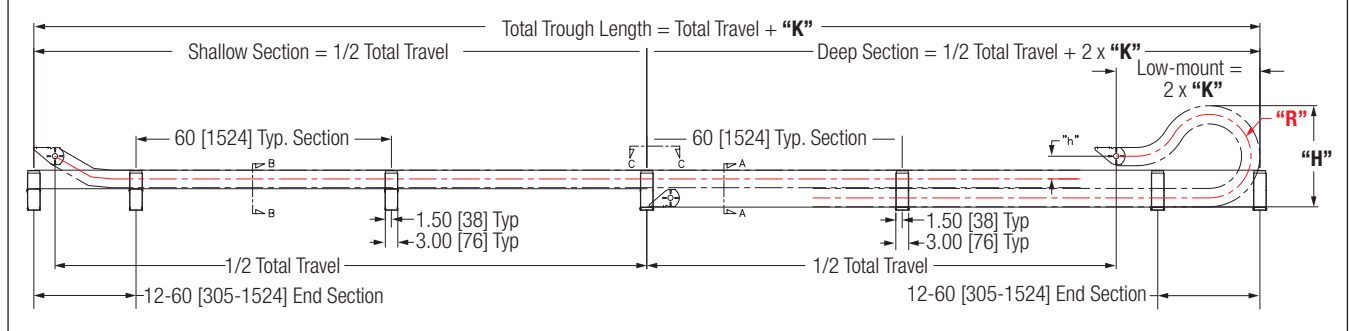


In a long travel carrier system configured for a lowered mounting height, the sag is eliminated, redirecting the force vector back to a straight trajectory. Furthermore, the loading that the carrier introduces as it is dragged over the bottom carrier section is replaced with a more even wear pattern. The force is distributed over the entire system instead of just the first few links at the moving end.

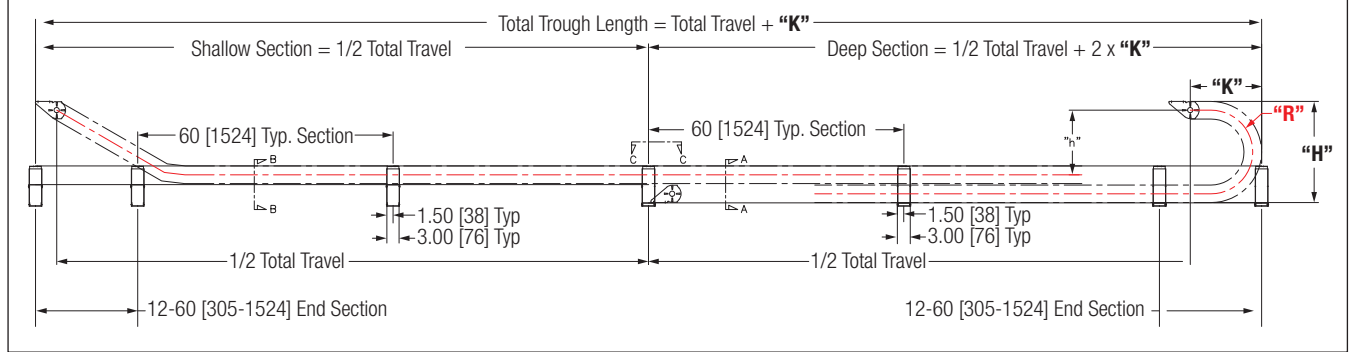
GUIDE TROUGH SYSTEMS | PLASTIC CARRIERS

GUIDE TROUGH SYSTEM (LOWERED MOUNTING HEIGHT)

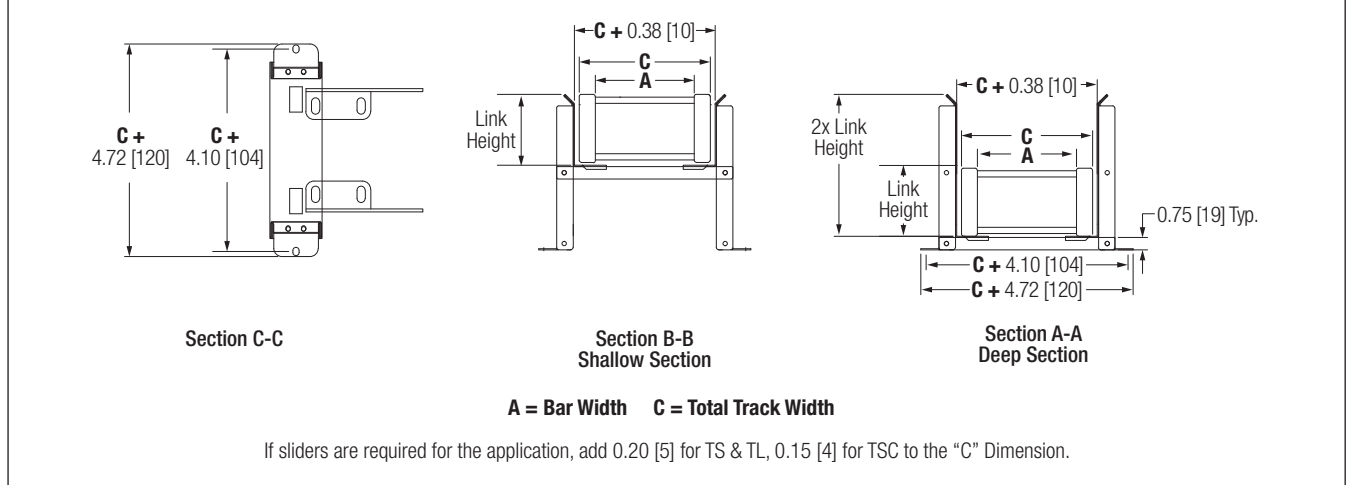
Dimensions in inches (mm)



GUIDE TROUGH SYSTEM (REGULAR MOUNTING HEIGHT)



GUIDE TROUGH SYSTEM END VIEWS



MODULAR LOW-FRICTION SLIDERS

Available on Nylatrac® Modular Series TSC, TS, and TL, modular slider components are often used in long travel applications in which chain bands glide on each other. Sliders are manufactured from special plastic

material that is highly wear resistant and offers extremely good coefficient of friction values. Not only do they reduce tow force and wear, but they are removable and easy to replace.



STATIONARY SUPPORT ROLLERS | PLASTIC AND METAL CARRIERS

STATIONARY SUPPORT ROLLERS

Stationary support rollers are available for unsupported spans that exceed the maximum lengths listed on a specific track series load chart. Available on both plastic carriers and metal carriers.

Support Rollers for Metal Carriers

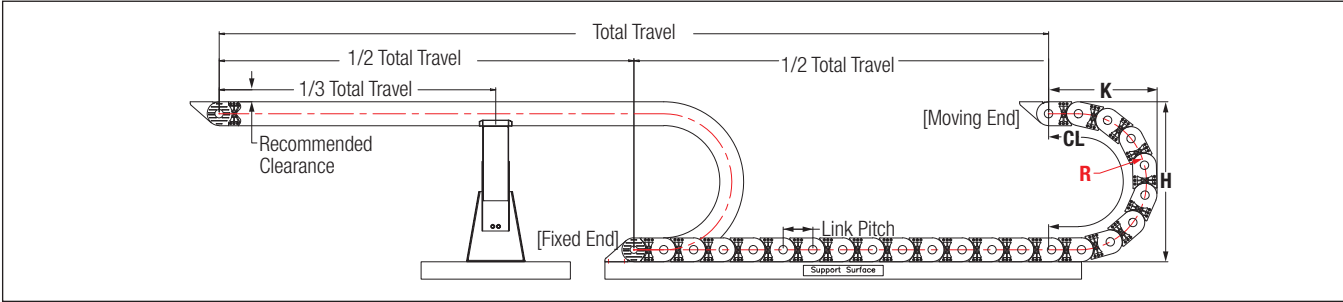
- Single support roller systems provide maximum travel 3 times the recommended travel length (1.5 times unsupported span)
- Double support roller systems provide maximum travel 4 times the recommended travel length (2 times unsupported span)

Support Rollers for Plastic Carriers

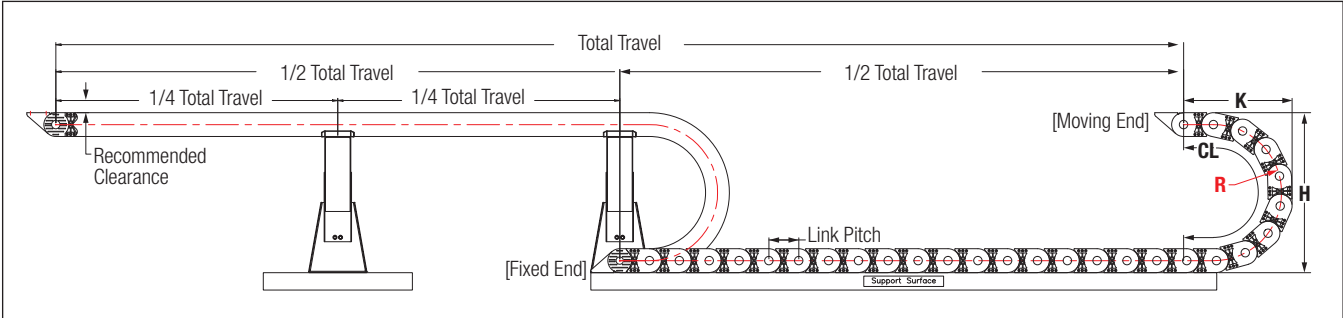
- Single support roller systems provide maximum travel 2.5 times the recommended travel length (1.25 times unsupported span)
- Double support roller systems provide maximum travel 3.5 times the recommended travel length (1.75 times unsupported span)



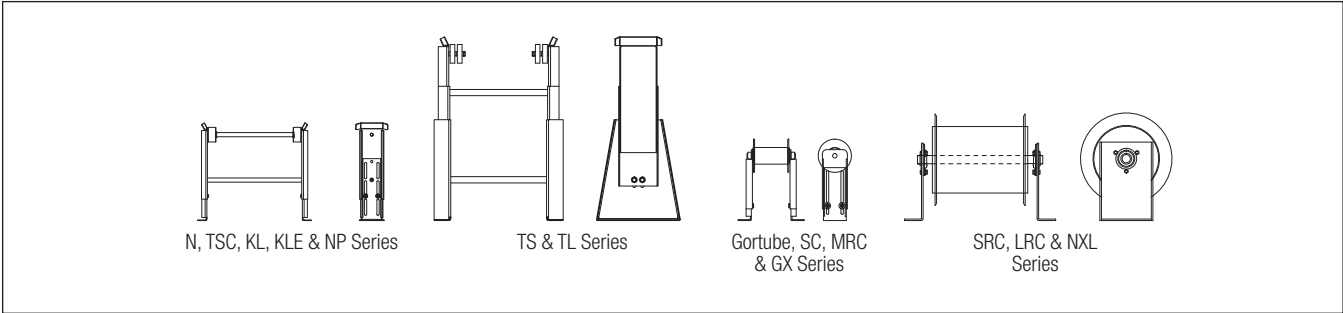
SINGLE SUPPORT ROLLER SYSTEM



DOUBLE SUPPORT ROLLER SYSTEM



SUPPORT ROLLER END VIEWS



ROLLING CARRIAGE SUPPORT SYSTEM | PLASTIC AND METAL CARRIERS

ROLLING CARRIAGE SUPPORT SYSTEM

A rolling style carriage support system is available for high speed and long travel applications when the cable/hose load exceeds the limits available with fixed support rollers or when tow forces exceed the limits available with a traditional gliding application. Rolling carriage support systems consists of rollers, conveyor supports and a moving rail 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. The system can be self-guiding for travels under 50 feet. Guide channel required for travels over 50 feet. Depending on mounting location, a guide channel is recommended for all lengths of carrier travel to prevent outside interference.

Features/Benefits:

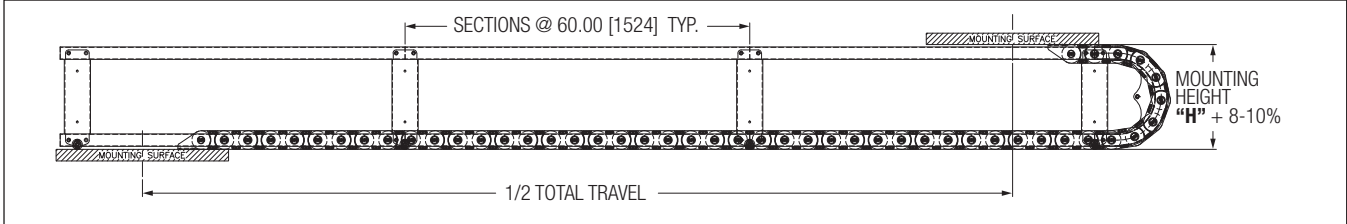
- Lightweight: Reduced tow forces vs. conventional carriage systems
- Modular: Easy to add/remove length
- Easy assembly: Most components are bolted together
- Quiet: Molded nylon wheels used for low noise
- Track drives/returns carriage without use of cable
- Can be used with both metal and plastic carrier systems



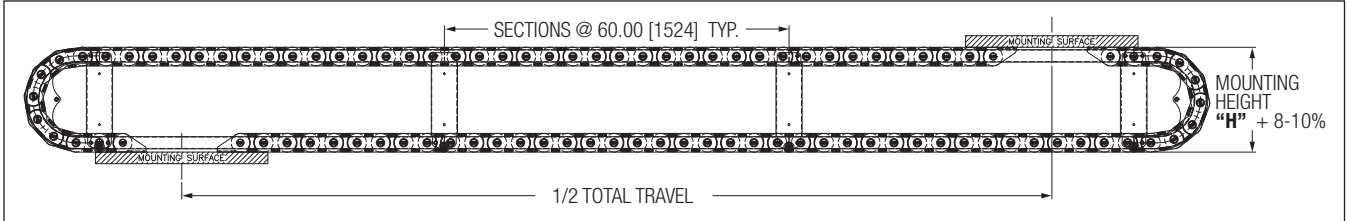
Shown: A customized, low-mounted rolling carriage support system designed to fit a pre-existing mounting envelope.

ROLLING CARRIAGE SYSTEM (SINGLE CARRIER)

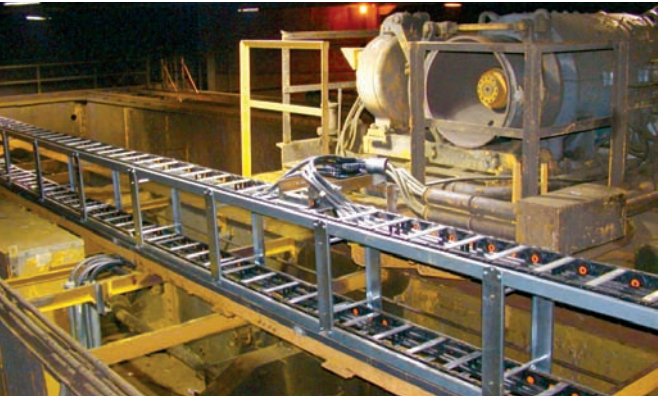
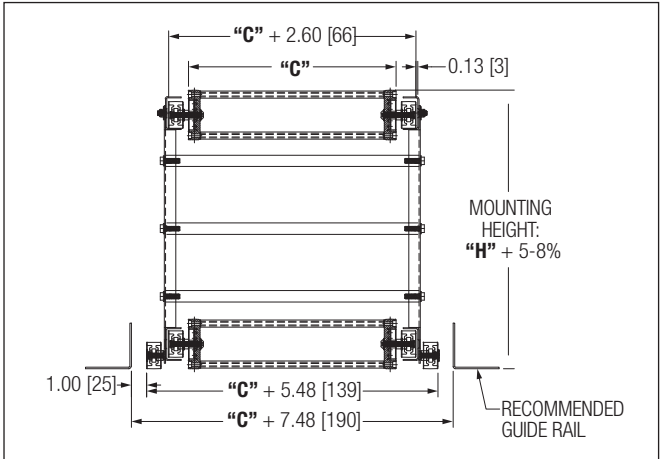
Dimensions in inches (mm)



ROLLING CARRIAGE SYSTEM (OPPOSED)



CARRIAGE VIEW END

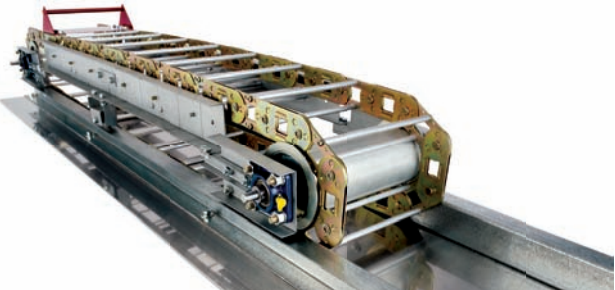


Shown: An opposed rolling carriage with a Nylatrac® Modular carrier (TS Series) designed for high-velocity/long travel in a steel mill.

DRUM-STYLE CARRIAGE SUPPORT SYSTEM | METAL CARRIERS

DRUM STYLE CARRIAGE SUPPORT SYSTEM

A Drum Style carriage support system is available for long travel applications when the cable/hose load and travel exceed the limits available with fixed support rollers. Carriage support systems consists of a moving framework that has major rollers (Drums) at each end and intermediate conveyor supports between the major rollers, which support the cable carrier for the complete length of travel. The entire system rolls on "c"-channels on the floor (or a bridge). Single carrier carriage systems require a return cable assembly. For use with metal carriers only.

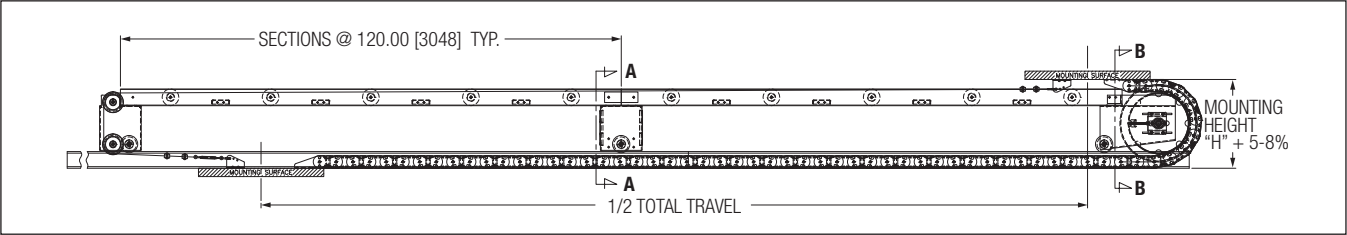


Features/Benefits:

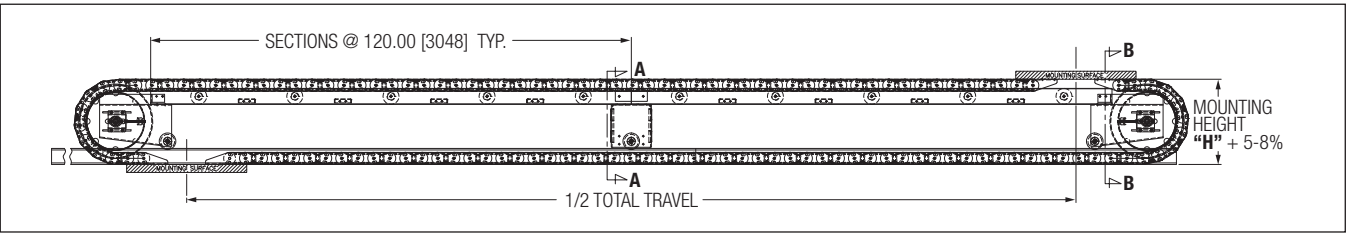
- Robust-designed for heavy-duty operation with steel carriers
- Modular: Easy to add/remove length
- Easy assembly: Most components are bolted together

DRUM STYLE CARRIAGE SYSTEM (SINGLE CARRIER)

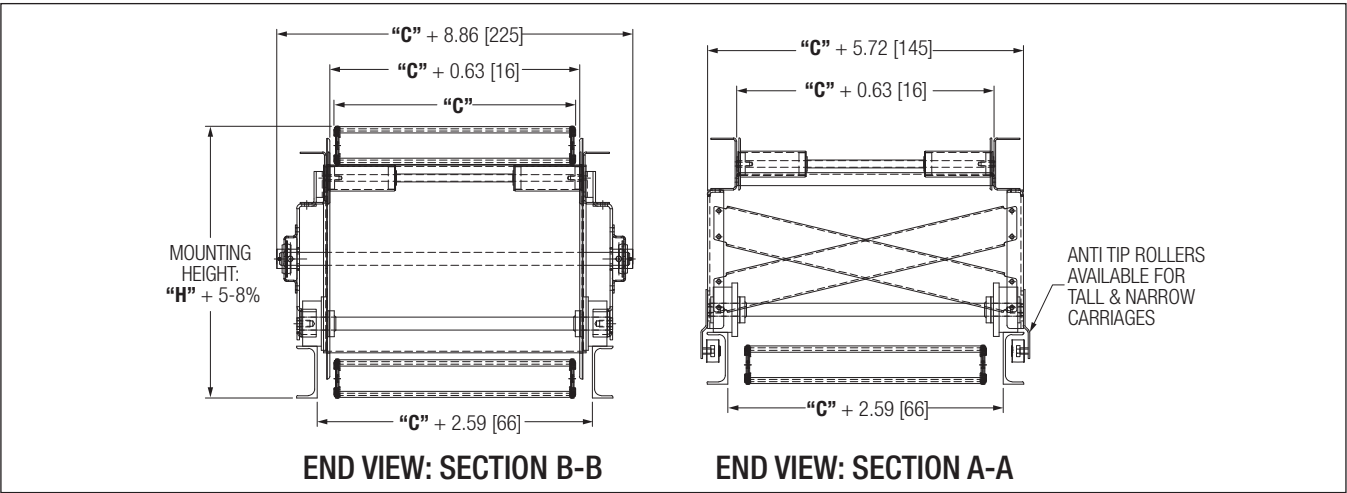
Dimensions in inches (mm)



DRUM STYLE CARRIAGE SYSTEM (OPPOSED)



CARRIAGE END VIEW

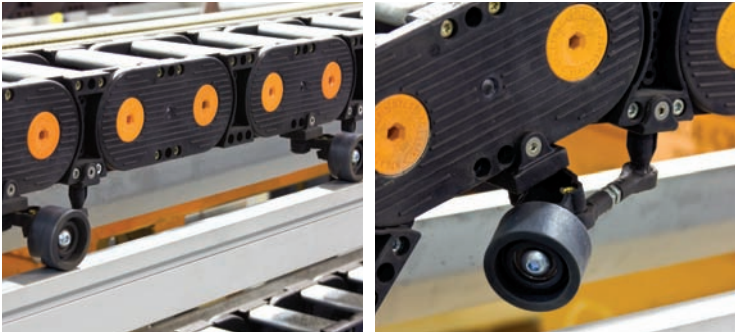


MARATHON™ LONG TRAVEL SUPPORT SYSTEM | PLASTIC CARRIERS

MARATHON LONG TRAVEL SUPPORT SYSTEM

Available on Nylatrac® Modular TS and TL Series plastic carriers, the Marathon system is a custom solution for specialty applications involving high velocities and accelerations. Unlike traditional systems where the carrier glides on itself, the Marathon utilizes a patented retractable roller system that rides on a simple rail system. How it works: Using the carrier's polygonal effect, the rollers are lifted from the guide rail and pulled inward as the links pass through the radius. On the return travel, the roller sets are pushed back out and sit down on the rail providing rolling support through the complete travel.

For additional design considerations, contact Dynatect's Sales Department at 800-298-2066 to discuss your application.



Features/Benefits:

- Reduction of Tow Force up to 90%
- Travel speed up to 5 meters/second
- No gliding friction on carrier links

ROTATIONAL APPLICATIONS

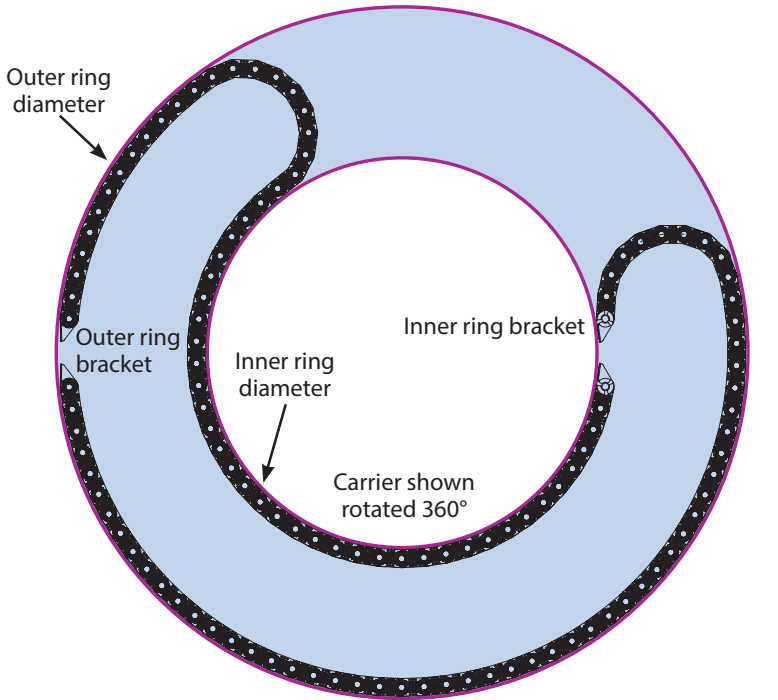
ROTATIONAL APPLICATION

Rotational applications are achieved by running a carrier that has been modified for reverse bending movement on its side. The carrier can be equipped with polymer slide blocks or casters for low-friction gliding. The carrier is also modified to maintain maximum control of travel path.

Design Specifications

The following information is required to design a rotational carrier assembly:

- Degree of rotation
- Inner ring diameter
- Outer ring diameter
- Velocity
- Operating environment and duty cycle
- Fill package
- Mounting location
- Specify which bracket (inner/outer) is rotating



Field Application

An automatic storage/retrieval system (ASRF) at a California winery provided consistent, worry-free operation using a 140-ft long Nylatrac Modular (TL-200) carrier assembly. In this side-mounted rotational application, the carrier incorporates both primary and reverse bend radius links where necessary to provide free movement in both directions. Components and accessories were selected to minimize wear and prevent tangling and corkscrewing of cables. (Equipped with poly roller crossbars, low-friction sliders, cavity separators and cable clamps at each end.)



CABLE/HOSE CARRIERS | QUOTE REQUEST FORM

Date _____ Address _____

Company Name _____ City _____ State/Prov. _____

Contact _____ Country _____ Zip/Postal Code _____

Quantity _____ Telephone _____ Fax _____

Email _____

1. Quote For

☐ New Design: ☐ Specify Gortrac® Part Number: _____ ☐ Dynatect Recommendation* (*please provide design data)

☐ Existing Design: Brand: _____ Part #: _____ Length: _____ ☐ Drawing Provided?

Comments: _____

2. Cables/Hoses

List type of cable(s) and/or hose(s) below.

TYPE OF CABLE/HOSE	OUTSIDE DIAMETER	QUANTITY	MINIMUM BEND RADIUS	WEIGHT/FOOT	COMMENTS

If dimensions A, B, C and D are left blank, Dynatect will determine the correct carrier sizing based on the cables/hoses specified above.

A = Cavity Width:
(determined by adding the outer diameters of all cables/hoses + appropriate safety factors and divider/separator widths)

B = Cavity Height:
(determined by the outer diameter of the largest cable/hose + safety factor)

C = Outer Width:
(please specify any space restrictions)

D = Outer Height:
(please specify any space restrictions)

Cable/Hose Safety Factor:
Cables: +10% Hoses: +20%

Separators? ☐ Yes ☐ No (Quantity: _____)

3. Travel Requirements

Dimensions specified in: ☐ Inches ☐ Millimeters

H = curve height
CL = curve length
R = bend radius
K = depot

Total Travel Length: _____ Will Fixed End be the Center of Travel? ☐ Yes ☐ No (offset distance from center: _____)

Maximum Travel Speed: _____ Acceleration: _____ Duty Cycle: _____

List Space Restrictions (mounting height "H", depot "K"): _____

CABLE/HOSE CARRIERS | QUOTE REQUEST FORM

4. Travel Orientation

☐ Horizontal Lower-Flange Fixed

☐ Horizontal Upper-Flange Fixed

☐ Vertical Curve Down

☐ Vertical Curve Up

☐ Combination Vertical and Horizontal

☐ Opposed

☐ Nested Configuration

☐ Side Mounted

5. Application

Operating Temperature Range: Ambient: _____ Minimum: _____ Maximum: _____

Describe Operating Environment (debris, moisture, chemicals, etc.): _____

Application Details: _____

Material Preference: ☐ Steel ☐ Plastic ☐ No Preference ☐ Other: _____

Style Preference: ☐ Enclosed ☐ Open

6. Bracket Configuration

Note: Default bracket configuration is #1-Inward.

☐ 1

☐ 2

☐ 3

☐ 4

Mounting Holes Inward or Outward of Link:
Fixed End: ☐ In ☐ Out Moving End: ☐ In ☐ Out
☐ Non-Standard Mounting Brackets (provide drawing)

Brackets Inward

Brackets Outward

NYLATRAC® MODULAR | OPEN- & ENCLOSED-STYLE CARRIERS

- Modular design – available in custom widths and easily customized from the widest variety of standard components
- Durable construction from separate glass-reinforced nylon sidebands with locking hubs (replaceable bearings) and multiple lockout points (for added precision and load-bearing capability), joined by top and bottom crossbars or lids
- Enclosed-style designs (with snap-in plastic or bolted aluminum lids) offer additional protection where needed
- Ideal for applications requiring long travel, high speeds/accelerations
- Locking hub design of the TSC, TS, TL and NXL Series allows adjustment of length with a hex wrench



NSB SERIES

Features:

- Smallest link modular carrier
- Tongue-and-groove link design result in a nearly indestructible cable carrier
- Standard construction is round aluminum crossbar
- Customer-specified cavity width

Quick Sizing Reference – inches (mm):

- Link Height: 1.37 (35)
- Link Pitch: 1.97 (50)
- Curve Heights ('H'):
6.17 - 7.50 (157 - 191)

Crossbar Options:

- Bolted aluminum round bar (standard)
- PVC Poly rollers



TSC SERIES

Features:

- Open-style with multiple crossbar options
- Enclosed-style with plastic lids
- Standard and customer-specified cavity widths
- Replaceable modular sliders available for low-friction and reduced tow force
- Window extenders available for additional cavity height

Quick Sizing Reference – inches (mm):

- Link Height: 2.30 (58)
- Link Pitch: 2.64 (67)
- Curve Heights ('H'):
8.20 - 29.86 (208 - 758)

Crossbar Options:

- Snap-in plastic flat bar
- Bolted aluminum round bar
- PVC Poly Rollers
- Bolted aluminum flat bar

Lid Option:

- Snap-in plastic lid



NYLATRAC® MODULAR | OPEN- & ENCLOSED-STYLE CARRIERS



TS SERIES

Features:

- Open-style with multiple crossbar options
- Enclosed-style with plastic or aluminum lids
- Standard and customer-specified cavity widths
- Replaceable modular sliders available for low-friction and reduced tow force
- Window extenders available for additional cavity height

Quick Sizing Reference – inches (mm):

- Link Height: 3.25 (83)
- Link Pitch: 4.06 (103)
- Curve Heights ('H'):
11.00 - 35.50 (279 - 902)

Crossbar Options:

- Snap-in plastic flat bar
- Bolted aluminum round bar
- PVC Poly Rollers
- Bolted aluminum flat bar
- Snap-in aluminum flat bar

Lid Options:

- Snap-in plastic lid
- Bolted aluminum armor plate
- Snap-in aluminum armor plate



TL SERIES

Features:

- Open-style with multiple crossbar options
- Enclosed-style with plastic or aluminum lids
- Standard and customer-specified cavity widths
- Replaceable modular sliders available for low-friction and reduced tow force
- Window extenders available for additional cavity height

Quick Sizing Reference – inches (mm):

- Link Height: 4.13 (105)
- Link Pitch: 5.16 (131)
- Curve Heights ('H'):
15.75 - 53.50 (400 - 1359)

Crossbar Options:

- Snap-in plastic flat bar
- Bolted aluminum round bar
- PVC Poly Rollers
- Bolted aluminum flat bar
- Snap-in aluminum flat bar

Lid Options:

- Snap-in plastic lid
- Bolted aluminum armor plate
- Snap-in aluminum armor plate



NXL SERIES

Features:

- Open-style with multiple crossbar options
- Enclosed-style with aluminum lids
- Customer-specified cavity widths
- Window extenders available for additional cavity height

Quick Sizing Reference – inches (mm):

- Link Height: 5.91 (150)
- Link Pitch: 7.38 (187)
- Curve Heights ('H'):
24.00 - 60.00 (610 - 1524)

Crossbar Options:

- Bolted aluminum round bar
- PVC Poly Rollers
- Bolted aluminum flat bar

Lid Option:

- Bolted aluminum armor plate



NYLATRAC® STANDARD | OPEN-STYLE CARRIERS

- Plastic solutions for light- to medium-duty applications featuring clean, lightweight designs for economical cable management
 - Open-style links leave cables/hoses open to regular inspection
 - Simple “snap-together” link construction allows easy adjustment of length, maintenance and repair
- Hinged plastic crossbars allow quick cavity access and easy installation
 - Standard sizes available from stock
 - Typical applications: robotics, automation, pick-and-place, machine tool, mobile equipment



KO SERIES

Features:

- Smallest accessible standard link
- Hinged crossbars on inside radius
- Integral mounting holes molded into every link (except KO-3) eliminate the need for mounting brackets

Quick Sizing Reference – inches (mm):

- Link Height: 0.39 - 0.87 (10 - 22)
- Link Pitch: 0.59 - 1.18 (15.00 - 30.00)
- Curve Heights (‘H’): 1.57 - 6.38 (40 - 162)



KN SERIES

Features:

- Smallest solid standard link (crossbars do not hinge open)
- Integral mounting holes molded into every link eliminate the need for mounting brackets

Quick Sizing Reference – inches (mm):

- Link Height: 0.59 (15)
- Link Pitch: 0.79 (20)
- Curve Heights (‘H’): 2.00 - 3.00 (51 - 76)



SP SERIES

Features:

- Hinged crossbars on inside (standard) or outside radius
- Strain relief mounting brackets are standard

Quick Sizing Reference – inches (mm):

- Link Height: 1.05 (27)
- Link Pitch Length: 1.20 (30)
- Curve Heights (‘H’): 3.15 - 8.50 (80 - 216)



KS SERIES

Features:

- Hinged crossbars on inside (standard) or outside radius
- Standard one-piece mounting bracket; strain relief brackets optional

Quick Sizing Reference – inches (mm):

- Link Height: 1.38 (35)
- Link Pitch: 1.83 (46)
- Curve Height (‘H’) range: 5.40 - 13.10 (137 - 333)



P/PH SERIES

Features:

- P models – Solid-link design
- PH models – Hinged crossbars on inside (standard) or outside radius
- Large window cavity relative to its overall dimensions

Quick Sizing Reference – inches (mm):

- Link Height: 1.50 (38)
- Link Pitch: 1.50 (38)
- Curve Height (‘H’) range: 4.00 - 10.00 (102 - 254)

NYLATRAC® STANDARD | OPEN-STYLE CARRIERS



NP SERIES

Features:

- Hinged crossbars on inside (standard) or outside radius
- Excellent strength for long travel applications

Quick Sizing Reference – inches (mm):

- Link Height: 2.00 (51)
- Link Pitch: 2.17 (55)
- Curve Height (‘H’) range: 7.00 - 18.00 (178 - 457)



KL SERIES

Features:

- Hinged crossbars on outside radius
- Ideal for long travel applications
- Excellent strength and unsupported span rating

Quick Sizing Reference – inches (mm):

- Link Height: 2.50 (64)
- Link Pitch: 2.62 (67)
- Curve Height (‘H’) range: 8.50 - 26.00 (216 - 660)

NYLATUBE® STANDARD | ENCLOSED-STYLE CARRIERS

- Completely enclosed, plastic solutions for light- to medium-duty applications featuring clean, lightweight designs for economical cable management
 - Enclosed-style links protect cables/hoses from dirt and debris
- Standard sizes available from stock
 - Simple “snap-together” link construction with plastic lids allows easy adjustment of length, maintenance and repair
 - Hinged plastic lids allow quick cavity access and easy installation (KOE and KLE Series)



KOE SERIES

Features:

- Small to medium range of link sizes
- Hinge-open lids on outside radius
- Integral mounting holes molded into every link eliminate the need for mounting brackets

Quick Sizing Reference – inches (mm):

- Link Height: 0.59 - 1.97 (15 - 50)
- Link Pitch: 0.71 - 2.17 (18 - 55)
- Curve Heights (‘H’): 3.00 - 13.80 (76 - 351)



N SERIES

Features:

- Small to large range of link sizes
- Solid, enclosed link design and smooth appearance

Quick Sizing Reference – inches (mm):

- Link Height: 1.38 - 2.95 (35 - 75)
- Link Pitch: 1.38 - 2.56 (35 - 65)
- Curve Height (‘H’) range: 8.00 - 26.60 (203 - 676)



KLE SERIES

Features:

- Medium size link available in 3 standard widths (3", 4.5", 7")
- Hinge-open lids on outside radius
- Designed for superior durability – excellent for heavy-duty and long travel applications

Quick Sizing Reference – inches (mm):

- Link Height: 2.50 (64)
- Link Pitch: 2.13 (54)
- Curve Height (‘H’) range: 10.00 - 6.00 (254 - 660)

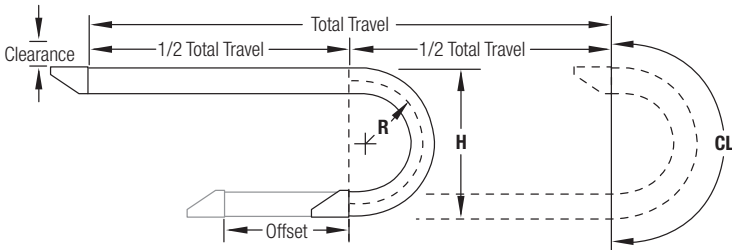
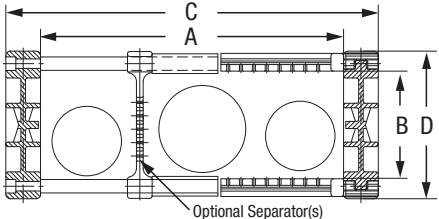
PLASTIC CARRIERS | QUICK SELECTION GUIDE

MODEL NO.	INNER HEIGHT Dimension B inches (mm)	INNER WIDTH RANGE Dimension A inches (mm)	OUTER HEIGHT Dimension D inches (mm)	OUTER WIDTH RANGE Dimension C inches (mm)	LINK PITCH inches (mm)	MINIMUM BENDING RADIUS Dimension R inches (mm)	MOUNTING HEIGHT RANGE Dimension H inches (mm)	MAXIMUM UNSUPPORTED SPAN feet	SEPARATORS AVAILABLE	PAGE NUMBER(S)	MODEL NO.
NYLATRAC® OPEN-STYLE PLASTIC CARRIERS											
K00	.28 (7)	.28 (7)	.39 (10)	.47 (12)	.59 (15)	.59 (15)	1.57 (40)	1.5	No	122-123	K00
K0	.39 (10)	.39 (10)	.59 (15)	.60 (15.)	.79 (20)	1.20 (30)	3.00 (76)	1.75	No	122-123	K0
K02 / K03 / K04	.38 (10)	.97 (25) - 1.87 (47)	.59 (15)	1.47 (37) - 2.36 (60)	.79 (20)	.70 (18) - 1.20 (30)	2.00 (51) - 3.00 (76)	1.75	No	122-123	K02 / K03 / K04
K20 / K30	.71 (18)	.98 (25) - 1.42 (36)	.87 (22)	1.49 (38) - 1.89 (48)	1.18 (30)	1.57 (40) - 2.57 (65)	3.02 (92) - 6.48 (162)	3.25	No	122-123	K20 / K30
KN	.40 (10)	.97 (25) - 1.87 (47)	.59 (15)	1.48 (38) - 2.36 (60)	.79 (20)	.70 (17.78) - 1.20 (30)	2.00 (51) - 3.00 (76)	1.75	No	124-125	KN
SP	.78 (20)	.59 (15) - 4.00 (102)	1.05 (27)	1.05 (27) - 4.46 (113)	1.20 (30)	1.05 (27) - 3.73 (95)	3.15 (80) - 8.50 (216)	3	✓	126-127	SP
KS	1.06 (27)	1.00 (25) - 4.00 (102)	1.37 (35)	1.56 (40) - 4.56 (116)	1.80 (46)	2.02 (51) - 5.87 (149)	5.40 (137) - 13.00 (330)	3.8	✓	128-129	KS
P/PH	P 1.33 (34)/PH 1.32 (34)	1.25 (32) - 4.00 (102)	1.50 (38)	1.72 (44) - 4.47 (114)	1.50 (38)	1.25 (32) - 4.25 (108)	4.00 (102) - 10.00 (254)	P 3.5 / PH 3.25	No	130-131	P / PH
NP	1.54 (39)	2.00 (51) - 6.00 (152)	2.00 (51)	2.63 (67) - 6.63 (168)	2.17 (55)	2.50 (64) - 7.87 (200)	7.00 (178) - 18.00 (457)	5.25	✓	132-133	NP
KL	1.75 (44)	3.00 (76) - 7.00 (178)	2.50 (64)	3.75 (95) - 7.75 (197)	2.62 (67)	3.00 (76) - 11.75 (298)	8.50 (216) - 26.00 (660)	7	✓	133-135	KL
NSB*	.62 (16) - .73 (19)	Customer Specified	1.38 (35)	Specified Width + .94 (24)	1.97 (50)	2.39 (61) - 3.06 (78)	6.19 (157) - 7.63 (194)	4	✓	136-137	NSB*
TSC-F (Standard Width)	1.65 (42)	2.18 (55) - 5.97 (152)	2.30 (58)	Specified Width + .85 (22)	2.64 (67)	2.95 (75) - 13.78 (350)	8.20 (208) - 29.86 (758)	7.5	✓	138-139	TSC-F (Standard Width)
TSC*	1.52 (39) - 1.65 (42)	Customer Specified	2.30 (58)	Specified Width + .85 (22)	2.64 (67)	2.95 (75) - 13.78 (350)	8.20 (208) - 29.86 (758)	7.5	✓	138-139	TSC*
TS-F (Standard Width)	2.31 (59)	2.93 (74) - 13.57 (345)	3.25 (82)	4.45 (113) - 15.09 (383)	4.06 (103)	3.88 (99) - 16.13 (410)	11.00 (279) - 35.50 (902)	12.5	✓	140-141	TS-F (Standard Width)
TS*	2.13 (54) - 2.38 (60)	Customer Specified	3.25 (82)	Specified Width + 1.52 (39)	4.06 (103)	3.88 (99) - 16.13 (410)	11.00 (279) - 35.50 (902)	12.5	✓	140-141	TS*
TL-F (Standard Width)	3.01 (76)	3.93 (100) - 13.63 (346)	4.13 (105)	5.87 (149) - 15.57 (395)	5.16 (131)	5.81 (148) - 24.69 (627)	15.75 (400) - 53.50 (1359)	14.75	✓	142-143	TL-F (Standard Width)
TL*	2.88 (73) - 3.05 (78)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)	5.81 (148) - 24.69 (627)	15.75 (400) - 53.50 (1359)	14.75	✓	142-143	TL*
NXL*	3.94 (100) - 4.77 (121)	Customer Specified	5.91 (150)	Specified Width + 2.50 (64)	7.38 (187)	9.05 (230) - 27.05 (687)	24.00 (610) - 60.00 (1524)	18	✓	144-145	NXL*

*Multiple crossbar styles available – see specification page for options and inner height (dimension 'B').

NYLATUBE® ENCLOSED-STYLE PLASTIC CARRIERS											
KOE1	.39 (10)	.95 (24)	.59 (15)	1.42 (36)	.71 (18)	1.18 (30) - 1.97 (50)	3.00 (76) - 4.50 (114)	2	No	146-147	KOE1
KOE3	.83 (21)	1.34 (34)	1.18 (30)	1.97 (50)	1.38 (35)	2.36 (60) - 3.94 (100)	5.90 (150) - 13.00 (330)	2.5	No	146-147	KOE3
KOE4	1.18 (30)	1.89 (48)	1.58 (40)	2.44 (62)	1.77 (45)	2.95 (74.93) - 5.91 (150)	7.50 (20) - 13.40 (340)	5	No	146-147	KOE4
KOE5	1.50 (38)	1.89 (48)	1.97 (50)	2.56 (65)	2.17 (55)	3.94 (101) - 5.91 (150)	9.90 (251) - 13.80 (351)	7	No	146-147	KOE5
KOE6	1.50 (38)	5.28 (134)	1.97 (50)	5.91 (150)	2.17 (55)	3.94 (101) - 5.91 (150)	9.90 (251) - 13.80 (351)	7	No	146-147	KOE6
N1 / N2 / N3	.90 (23)	.90 (23) - 2.48 (63)	1.38 (35)	1.38 (35) - 2.95 (75)	1.38 (35)	3.30 (84) - 5.91 (150)	8.00 (203) - 13.20 (335)	N1 2.75 / N2 3 / N3 4	No	148-149	N1 / N2 / N3
N4 / N5 / N6	1.34 (34)	1.42 (36) - 5.35 (136)	1.97 (50)	1.97 (50) - 5.91 (150)	1.97 (50)	3.94 (100) - 7.87 (200)	9.80 (249) - 17.70 (450)	N4 5 / N5 5.25 / N6 5.5	No	148-149	N4 / N5 / N6
N8	2.24 (57)	5.28 (134)	2.95 (75)	5.91 (150)	2.56 (65)	5.91 (150) - 11.81 (300)	14.80 (376) - 26.60 (676)	6.1	No	148-149	N8
KLE	1.76 (45)	3.00 (76) - 7.00 (178)	2.50 (64)	3.75 (95.25) - 7.75 (197)	2.13 (54)	3.75 (95) - 11.75 (298)	10.00 (254) - 26.00 (660)	7	No	150-151	KLE
NYLATRAC ENCLOSED-STYLE PLASTIC CARRIERS											
TSC-PL (Plastic Lid)	1.65 (42)	Customer Specified	2.30 (58)	Specified Width + .85 (22)	2.64 (67)	4.92 (125) - 13.78 (350)	12.14 (308) - 29.86 (758)	7.5	✓	138-139	TSC-PL (Plastic Lid)
TS-PL (Plastic Lid)	2.13 (54)	Customer Specified	3.25 (83)	Specified Width + 1.52 (39)	4.06 (103)	6.81 (173) - 16.13 (410)	16.88 (429) - 35.50 (902)	12.5	✓	140-141	TS-PL (Plastic Lid)
TS-AP (Aluminum Lid)	2.22 (56)	Customer Specified	3.25 (83)	Specified Width + 1.52 (39)	4.06 (103)	6.81 (173) - 16.13 (410)	16.88 (429) - 35.50 (902)	12.5	✓	140-141	TS-AP (Aluminum Lid)
TL-PL (Plastic Lid)	2.88 (73)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)	7.94 (202) - 24.69 (627)	20.00 (508) - 53.50 (1359)	14.75	✓	142-143	TL-PL (Plastic Lid)
TL-AP (Aluminum Lid)	2.96 (75)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)	7.94 (202) - 24.69 (627)	20.00 (508) - 53.50 (1359)	14.75	✓	142-143	TL-AP (Aluminum Lid)
NXL-AP (Aluminum Lid)	4.16 (106)	Customer Specified	5.91 (150)	Specified Width + 2.50 (64)	7.38 (187)	12.05 (306) - 27.05 (687)	30.00 (762) - 60 (1524)	18	✓	144-145	NXL-AP (Aluminum Lid)

B = Cavity Height (determined by the outer diameter of the largest cable/hose + safety factor)
A = Cavity Width (determined by adding the outer diameters of all cables/hoses [= safety factor and divider widths])
C = Outer Width
D = Outer Height



Visit [Dynatect.com](https://www.dynatect.com) for 2D and 3D drawings.

CROSSBARS STYLES AND OPTIONS



Snap-in plastic flat bar



Hinged plastic crossbars

PLASTIC CROSSBARS

- Lightweight, low cost option
- Many models available with snap-in or hinge crossbars for quick installation and easy maintenance
- Hinge crossbars provide either top and/or bottom link access – available on KO, SP, KS, PH, NP and KL Series
- Snap-in crossbars – available on TSC, TS and TL Series
- Custom widths available on TS and TL Series
- Denoted "F" for standard widths, or "PS" for custom widths in part identification number



Aluminum round bar



Bolted aluminum flat bar

ALUMINUM CROSSBARS

- Excellent low-friction, high-strength alternative to standard plastic bars
- Provided in customer-specified cavity widths
- Bolt-in flat bar design offers maximum torsional stability
- Snap-in flat bar design allows quick cavity access
- Flat crossbar styles: denoted "AF" (bolted), or "AFS" (snap-in) in part identification number
- Round crossbar styles: denoted "RB" in part id. no.
- Available on NSB, TSC, TS, TL, and NXL Series



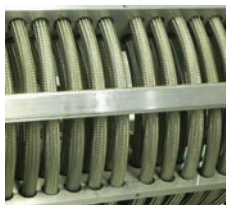
Poly roller over bolted aluminum round bar



Poly roller separator

PVC POLY ROLLERS

- Provide a low-friction, mechanical wear surface ideal for hoses and soft-jacketed cables
- Can be added to crossbars, vertical separators or horizontal dividers using round bars
- Denoted "PR" in part identification number
- Available on NSB, TSC, TS, TL and NXL Series



Aluminum machined bar



Plastic block style machined bar

MACHINED CABLE/HOSE BARS

- Optimal placement - ensures each cable/hose rides neutral axis of carrier
- Minimal wear - prolongs jacket and conductor life of cables/hoses
- Available in aluminum or plastic block-style crossbars
- Custom-bored to specific cable/hose diameters
- Available on TSC, TS, TL and NXL Series

WINDOW EXTENDERS, LIDS, CABLE/HOSE SLEEVES



Round bar window extender with poly rollers



Custom formed window extender

WINDOW EXTENDERS

- Provide extra interior space in many standard link sizes
- Available in both standard and custom configuration
- Utilize various crossbar styles (flat, round, poly rollers [L] and custom formed [R])
- Can be easily added to most carriers
- Available on NSB, TSC, TS, TL and NXL Series



Bolted aluminum lids



Snap-in aluminum lids

ARMOR PLATE STYLE ALUMINUM LIDS

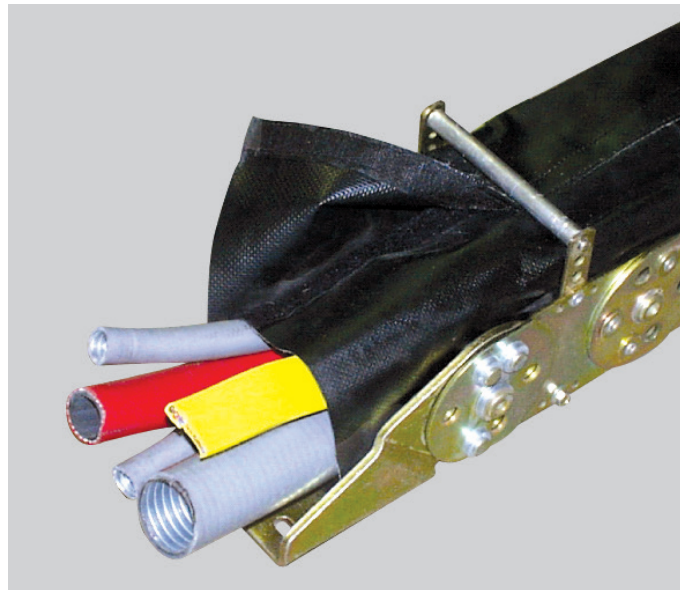
- Offer maximum protection against hot chips and heavy debris
- Ideal for severe and challenging applications (e.g., machine tools, mills, foundries)
- Easy-access snap-in or heavy-duty bolted construction
- Available on TS, TL and NXL Series



Snap-in plastic lids

PLASTIC LIDS

- A lightweight, easy-access alternative to heavy-duty aluminum lids.
- Ideal for applications where dust and debris are present
- Lids width is customer-specified
- Snap-in design allows cavity access with tip of a screwdriver
- Available on TSC, TS, and TL Series



CABLE/HOSE SLEEVES

- Simple, reliable and cost-effective method to protect dynamic cables and hoses, either in a carrier or by themselves
- Available with zipper, or hook and loop fasteners
- Wide variety of materials for diverse application requirements
- Provides protection from elements (ozone, heat and liquids)
- Increases machine operator protection
- Applications: Hydraulic hose containment, protection of highly sensitive cables, electrical noise interference, aesthetic enhancement

SEPARATORS, CABLE/HOSE CLAMPS, BRACKETS



CAVITY SEPARATION

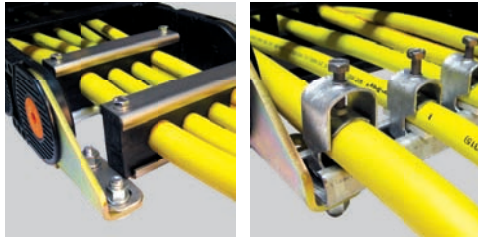
In applications with multiple cables and hoses, cavity separation is a simple, cost-effective method for preventing wear and entanglement. To achieve optimal separation, it is important that each individual compartment be less than twice the height of the cables/hoses inside. This will prevent them from crossing over each other and twisting. Proper separation reduces jacket wear and the potential for cables to corkscrew. Cavity separation can be achieved with simple, snap in vertical separators, or through a more sophisticated horizontal divider or shelving system that will optimize cavity space. The Dynatect Engineering Department can design a cavity separation system that is ideal for your specific application.



VERTICAL SEPARATORS

- Provide multiple compartments within a single link*
- Snap or bolt into carrier crossbars
- Available variety of styles, including stationary and rolling designs
- Can be installed every link, or staggered for economy
- Available on most carriers

*When sizing compartments, Dynatect recommends a safety factor of an additional 10% for cables and 20% for hoses.

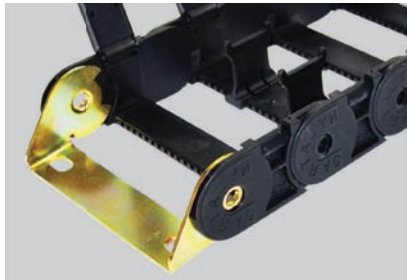


Custom UHMW Clamp Gortrac Rail Clamping System

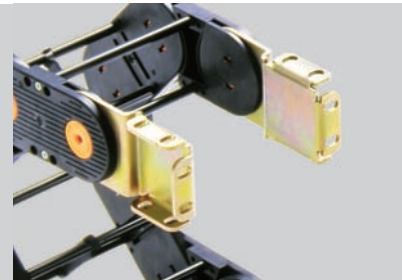
CABLE/HOSE CLAMPS

- Extend cable/hose life - relieves strain
- Standard and custom designs available
- Fast and simple installation in virtually any application
- Installation at both moving and stationary ends of a carrier recommended
- High pressure hose clamping requirements can be accommodated

See pages 96-97 for more information and specifications.



Standard One-Piece Bracket



Universal Mounting Bracket



Standard Two-Piece Bracket



Strain Relief Bracket



Zip Tie Bar for Mounting Brackets

- Zip tie bars integrated into mounting brackets
- Tiered structure for easy access
- Easily removable clamping bars
- Double rows of large fingers hold more zip ties
- Anti-slip ridges on bar prevent cable slippage
- Available on TSC, TS, TL and NXL Series carriers

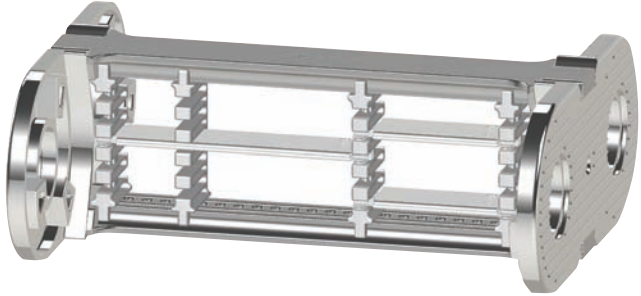
Note: Custom mounting brackets can be provided for drop-in replacement on all carrier brands.

MODULAR SHELVING

TS/TL SERIES HORIZONTAL SHELVING SYSTEM*

- Strong, flexible components easily arranged for optimum cable/hose organization
- No tools required to adjust or remove dividers
- Vertical separators may be locked in place, for use in side-mount applications
- Floating separators can be positioned laterally without tools while horizontal dividers remain stationary
- Available on TS and TL Series models with standard snap-in plastic or flat aluminum crossbars, and aluminum armor plates

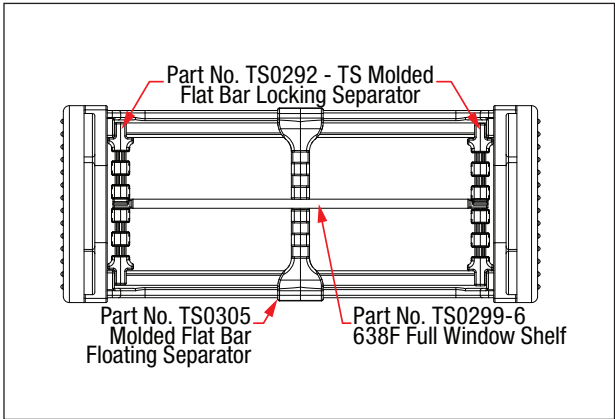
*See shelving specifications below.



TS SHELVING PART NUMBERS

PART NO.	DESCRIPTION	USABLE WINDOW WIDTH inches (mm)
TS0299-3	293F Full Window Shelf	2.20 (56)
TS0299-5	480F Full Window Shelf	4.07 (103)
TS0299-6	638F Full Window Shelf	5.64 (143)
TS0299-7	762F Full Window Shelf	6.89 (175)
TS0299-9	1169F Full Window Shelf	10.95 (278)
TS0292	Molded Flat Bar Locking Shelving Sep.	-
TS0305	Molded Flat Bar Floating Shelving Sep.	-
TS0293	Alum. Flat Bar and Plastic Lid Locking Shelving Sep.	-
TS0301	Alum. Flat Bar and Plastic Lid Floating Shelving Sep.	-

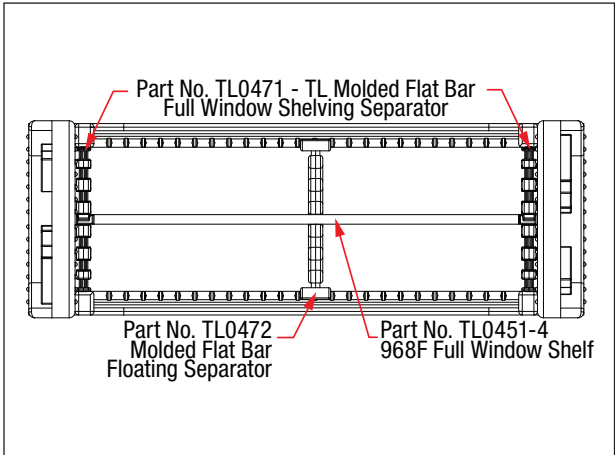
TS CROSS SECTION EXAMPLE



TL SHELVING PART NUMBERS

PART NO.	DESCRIPTION	USABLE WINDOW WIDTH inches (mm)
TL0451-1	394F Full Window Shelf	3.28 (83)
TL0451-2	466F Full Window Shelf	4.00 (102)
TL0451-3	789F Full Window Shelf	7.23 (184)
TL0451-4	968F Full Window Shelf	9.03 (229)
TL0451-5	1184F Full Window Shelf	11.18 (284)
TL0471	Molded Flat Bar Full Window Shelving Sep.	-
TL0450	Molded Flat Bar Locking Shelving Sep.	-
TL0472	Molded Flat Bar Floating Shelving Sep.	-
TL0452	Alum. Flat Bar and Plastic Lid Locking Shelving Sep.	-
TL0475	Alum. Flat Bar and Plastic Lid Locking Shelving Sep.	-

TL CROSS SECTION EXAMPLE



STANDARD NYLATRAC®/NYLATUBE® | MATERIAL PROPERTIES

CHEMICAL RESISTANCE OF DURETHAN® POLYAMIDE RESINS

MEDIA	RATING	MEDIA	RATING	MEDIA	RATING
Acetic Acid, 5%	o	Formaldehyde, 10% in Water	+	Phosphoric Acid, 30%	–
Acetic Acid, 30%	–	Formic Acid, 30%	–	Potassium Carbonate (potash), Saturated Solution	+
Acetone	+	Formic Acid, Concentrated	–	Potassium Cyanide, Saturated Solution	+
Ammonia, 10%	+	Freon** 11/12 Refrigerant (1/1), Under Pressure at 73°F	+	Potassium Dichromate, Saturated Solution	o
Ammonia, Concentrated	+	Fuel Oil, Heavy	+	Potassium Hexacyanoferrate (III), Saturated Solution	+
Ammonium Nitrate, Saturated Solution	+	Fuel Oil, Light	+	Potassium Metabisulfite, 40 g/l in Water	+
Ammonium Sulfate, Saturated Solution	+	Fuel Oil, Medium	+	Potassium Perchlorate, 2% in Water	o
Amyl Acetate	+	Gasohol	o	Potassium Permanganate, 10% in Water	–
Aniline	o	Gasoline	+	Propane Gas	+
Basic Chrome Sulfate, Concentrated	+	Glycerol	+	Propyl Alcohol	+
Baysilone® Fluid M 1000	+	Glycol	+	Rapeseed Oil	+
Beer (lager) at 32°F	+	Grapefruit Juice, Unsweetened at 35°F	+	Raspberry Juice (sweetened), Commercial	+
Benzene	+	Hydrochloric Acid, 1%	–	Sea Water	+
Benzyl Alcohol, 100%	–	Hydrochloric Acid, 10%	–	Silicofluoric Acid, 30%	–
Benzyl Benzoate, 100%	o	Hydrochloric Acid, Concentrated	–	Silver Nitrate, 10%	+
Blood (ox blood) at 35°F	+	Hydrofluoric Acid, 40%	–	Sodium Bicarbonate (soda), Saturated Solution	+
Borax*, Saturated Solution	+	Hydrogen Chloride Gas	–	Sodium Chloride (table salt), Saturated Solution	+
Brake Fluid, AT	+	Hydrogen Peroxide, 10%	–	Sodium Hypochlorite	–
Brandy, Commercial	+	Hydrogen Peroxide, 30%	–	Sodium Soap Fat	+
Butane Gas	+	Hydrogen Sulfide	+	Sodium Sulfide, Saturated Solution	+
Butanol, 100%	+	Iodine, Tincture, Commercial	–	Sodium Thiosulfate (fixing bath), 200 g/l	+
Butyric Acid, Concentrated	o	Isopropyl Alcohol	+	Soil Bacterial Culture (anaerobic)	+
Calcium Chloride, Saturated Solution in Water	+	Jet Fuel, 1P4	+	Soil Mildew	+
Calcium Hydroxide (suspension), 30%	+	Lactic Acid, 10% in Water	+	Spinning Bath Acid	–
Calcium Soap Fat, Pure	+	Laundry Soap Solution, 1% in Water at 158°F	+	Stannous Chloride, Saturated Solution	–
Camphor Oil, 100%	+	Margarine	+	Sugar Beet Syrup	+
Carbon Dioxide	+	Menthol, 90% in Denatured Alcohol	+	Sugar Solution, Saturated	+
Carbon Disulfide	+	Mesamoll PVC Plasticizer	+	Sulfur Dioxide, Dry, Saturated Atmosphere	+
Carbon Tetrachloride	+	Metasystox*** Insecticide, 0.5% in Water	+	Sulfuric Acid, 10%	–
Caustic Soda Solution, 10%	+	Metasystox*** Insecticide, Concentrated	+	Sulfuric Acid, 30%	–
Caustic Soda Solution, Concentrated	+	Methyl Alcohol, Pure	o	Sulfurous Acid, 10%	o
Chlorine Gas, Dry – Chlorobenzene	+	Methyl Amine, 30% in Water	+	Tallow, Beef, Commercial	+
Chloroform	o	Methylene Chloride	o	Tartaric Acid, 10% in Water	+
Citric Acid, 10%	+	Milk, Whole	+	Tetraethyl Lead, 5% in Aliphatic Hydrocarbons, bp 212° - 284°F	+
Coal Gas	+	Mineral Water, Commercial	+	Thionyl Chloride, 100%	–
Copper Sulfate, Saturated Solution	+	Naphthene Basic Oil (lubricant)	+	Toluene	+
Cyclohexanol	+	Nekal**** BX Wetting Agent, 2% in Water	+	Trichloroethyl Phosphate	–
Cyclohexanone	+	Nitric Acid, 1%	–	Trichloroethylene	+
Dibutyl Phthalate	+	Nitric Acid, 50%	–	Tricresyl Phosphate (low ortho content)	+
Diesel Oil	+	Oleic Acid, Commercial	+	Triethanolamine	o
Dinonyl Phthalate	+	Oxalic Acid, 10% in Water	o	Urea, Saturated Solution	+
Diocetyl Phthalate	+	Oxygen (3 bar)	–	Urine	+
Ether	+	Ozone (at 2 x 10-6 parts ozone to 1 part air)	–	Vinyl Chloride, Under Pressure at Room Temperature	+
Ethyl Acetate	+	Paraffin Basic Oil (lubricant)	+	Water (distilled) at 68°F	+
Ethyl Alcohol	+	Perchloric Acid, 10% in Water	–	Water (distilled) at 158°F	+
Ethylene Chloride	+	Petroleum Ether	+	Water (distilled) at 194°F	+
Ethylene Glycol	+	Petroleum Spirit (for dry cleaning), bp 212° - 284°F	+	Wine, Commercial	+
Ferric Chloride, Saturated Solution (neutral)	+	Phenyl Ethyl Alcohol, 100%	o	Wood Turpentine, bp 302° - 338°F	+
Fish Liver Oil	+	Phosphoric Acid, 10%	o		

Ratings: + Resistant o Limited Resistance – Not Resistant

Note: Unless otherwise noted, all data were determined at 73°F (23°C).

Durethan® is a registered trademark of LANXESS Corporation.

* Borax is a registered trademark of U.S. Borax Inc.

** Freon is a registered trademark of E.I. duPont de Nemours and Co.

*** Metasystox is a registered trademark of Chemagro Corporation.

**** Nekal is a registered trademark of I.G. Farbenindustrie/Aktiengesellschaft.

STANDARD NYLATRAC®/NYLATUBE® | MATERIAL PROPERTIES

The standard material of impact modified, glass-reinforced plastic offers durability and high speed capability. Most carriers are also available in specialty materials for challenging applications with diverse demands, such as extremely low wear, severe temperatures and environments, unique chemical resistance, specialty flammability ratings and explosion proof-requirements.

- Standard Color: Black
- Admissible Operating Temperatures: -40° F to +250° F (-40° C to +121° C)
- Short Term Temperature Limit: +392°F (+200°C)

PROPERTY	TEST METHOD	UNITS	VALUE	
			ENGLISH	(METRIC)
MECHANICAL PROPERTY				
Tensile Strength at Yield	D 638	PSI (Mpa)	26,227	(181)
Tensile Elongation at Yield	D 638	%	3	(3)
Flexural Strength	D 790	PSI (Mpa)	40,600	(280)
Flexural Modulus	D 790	PSI (Mpa)	1,204,000	(8,295)
Impact Strength, Notched Izod	D 256	ft-lb/in (J/m)	3	(160)
FLAMMABILITY				
UL94 Flame Class (0.059" thickness)	UL 94	HB (HB)	94	(94)
ELECTRICAL PROPERTY				
Surface Resistivity	IEC 60093	ohm	1.0E + 14	(1.0E + 14)
Volume Resistivity	IEC 60093	ohm-in (ohm-m)	3.9E + 14	(1.0E + 13)
GENERAL PHYSICAL PROPERTIES				
Specific Gravity	D 792	—	1.36	(1.36)
Density	D 792	lb/cu in (kg/cu m)	0.049	(1,356)
Specific Volume	D 792	cu in/lb (cu m/kg)	20.4	(7.4E -4)
Melting Point	D 789	°F (°C)	500	(260)
Equilibrium Moisture (73°F) @ 50% RH	—	%	2.1	(2.1)
Saturation Moisture	—	%	7.0	(7.0)

KO SERIES | NYLATRAC® STANDARD (open-style carriers)



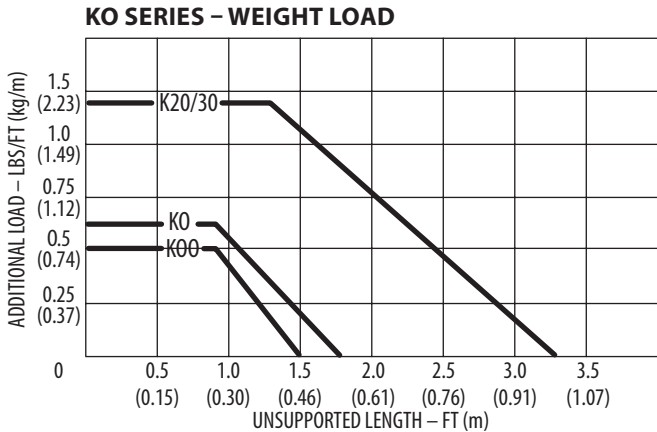
Specify part number with dashes	Model	Height	Length
Example: KO3-3-14	KO3	3	14"

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
K00	0.28 (7)	0.47 (12)	0.47 (12)	0.04 (0.06)
K0*	0.39 (10)	0.60 (15)	0.59 (15)	0.10 (0.15)
K02	0.97 (25)	1.47 (37)	1.18 (30)	0.14 (0.21)
K03	1.54 (39)	2.04 (52)	1.80 (46)	0.18 (0.27)
K04	1.87 (47)	2.36 (60)	2.16 (55)	0.20 (0.30)
K20	0.98 (25)	1.50 (38)	1.22 (31)	0.22 (0.33)
K30	1.42 (36)	1.89 (48)	1.61 (41)	0.25 (0.37)

*Does not hinge open – requires plastic mounting brackets (all other KO Series carriers have brackets built into links).

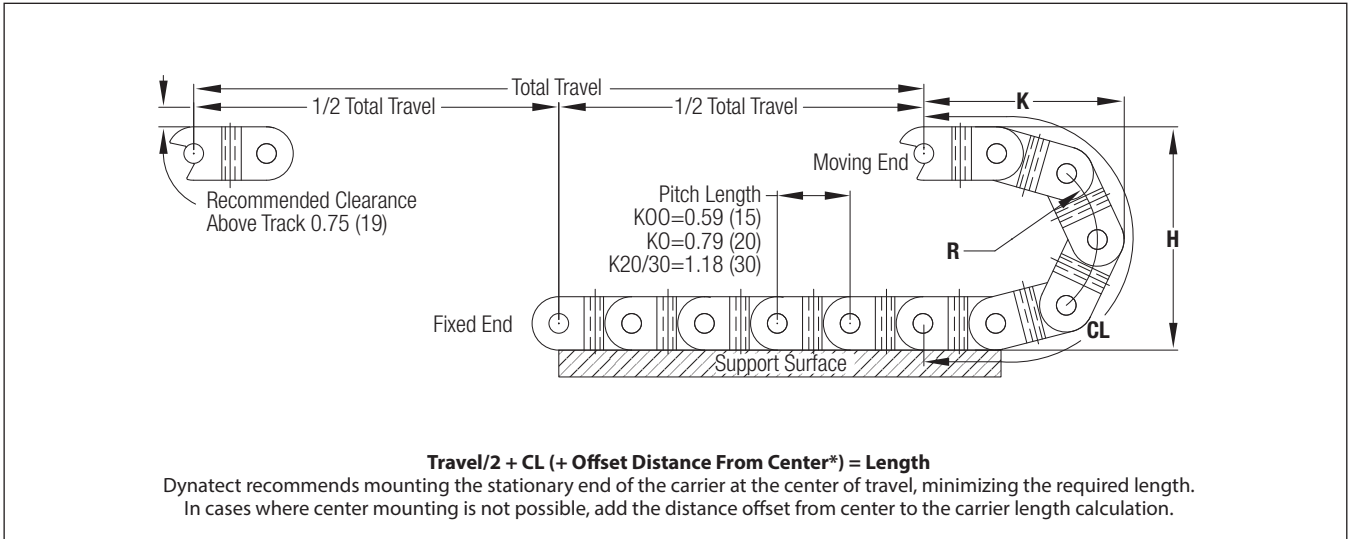
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
K00 - 15	0.59 (15)	1.57 (40)	1.42 (36)	3.04 (77)
K0 - 3	1.20 (30)	3.00 (76)	2.50 (64)	5.35 (136)
K02/K03/K04 - 2	0.70 (18)	2.00 (51)	2.00 (51)	3.77 (96)
K02/K03/K04 - 3	1.20 (30)	3.00 (76)	2.50 (64)	5.35 (136)
K20/K30 - 4	1.57 (40)	3.62 (92)	3.25 (83)	7.29 (85)
K20/K30 - 6	2.57 (65)	6.38 (162)	4.50 (114)	10.43 (265)



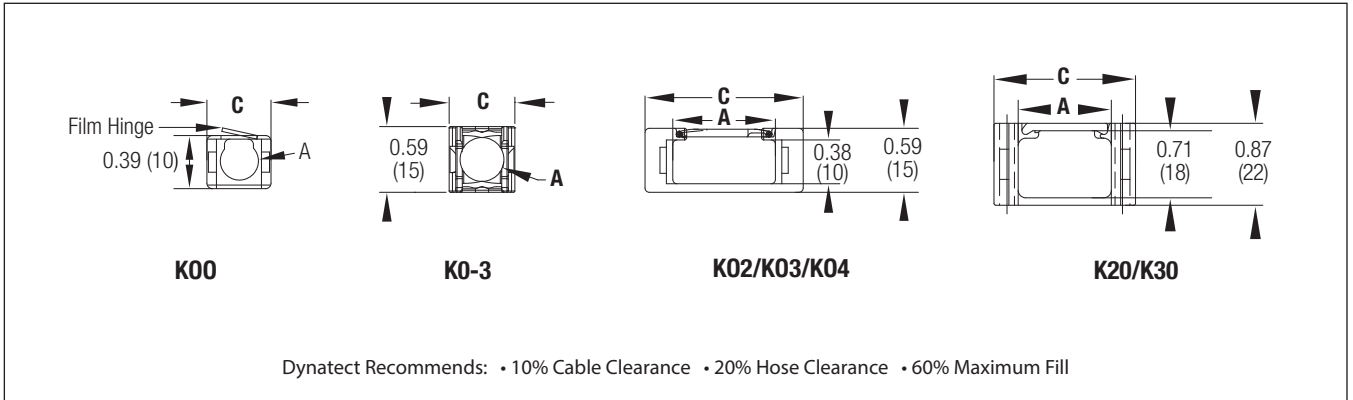
KO SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

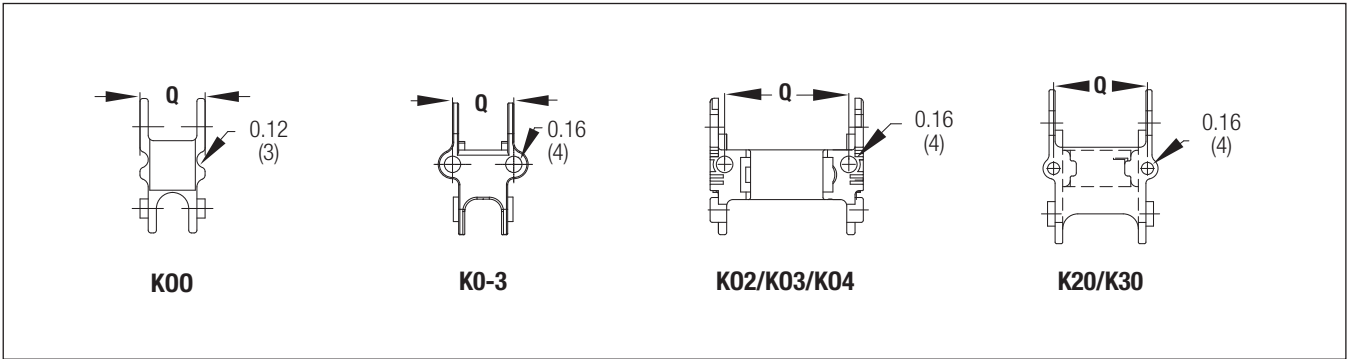
Dimensions in inches (mm)



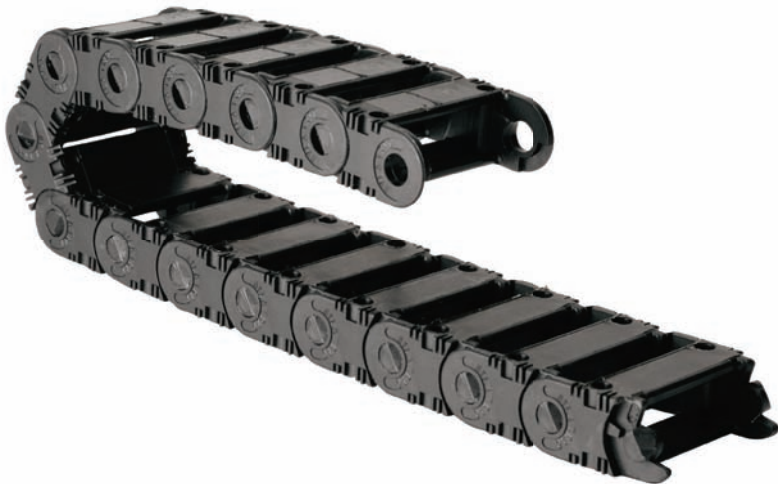
CARRIER CROSS SECTION



TOP VIEW: MOUNTING HOLE DIMENSIONS



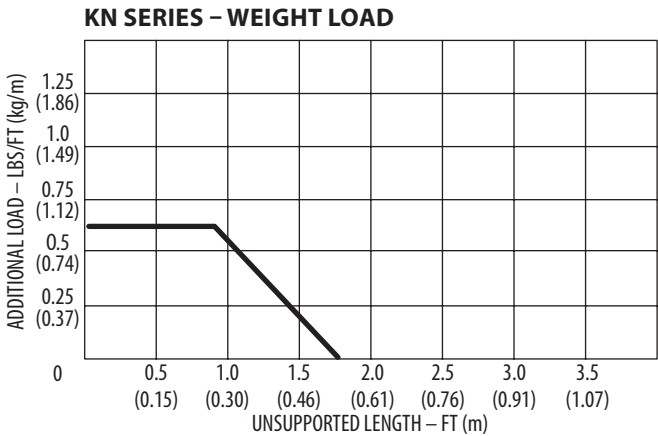
KN SERIES | NYLATRAC® STANDARD (open-style carriers)



Specify part number with dashes	Model	Height	Length
Example: KN2-3-18	KN2	3	18"

SPECIFICATIONS

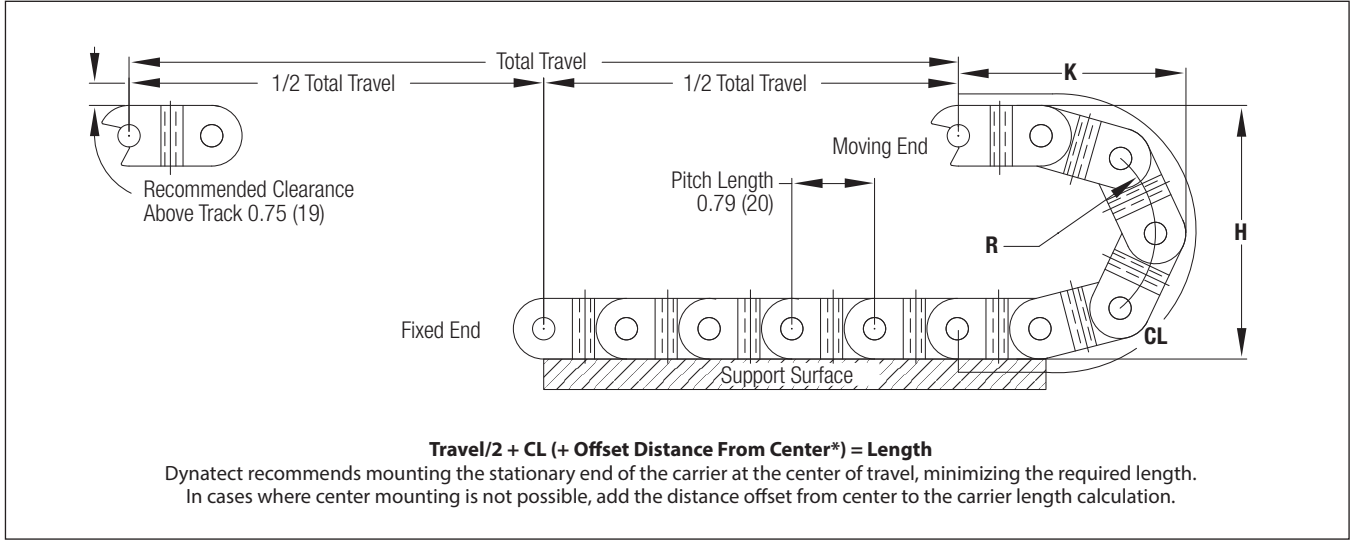
MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
KN2	0.97 (25)	1.47 (37)	1.18 (30)	0.14 (0.21)
KN3	1.54 (39)	2.03 (52)	1.80 (46)	0.18 (0.27)
KN4	1.87 (47)	2.36 (60)	2.16 (55)	0.20 (0.30)
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
2	0.70 (18)	2.00 (51)	2.00 (51)	3.77 (96)
3	1.20 (30)	3.00 (76)	2.50 (64)	5.35 (136)



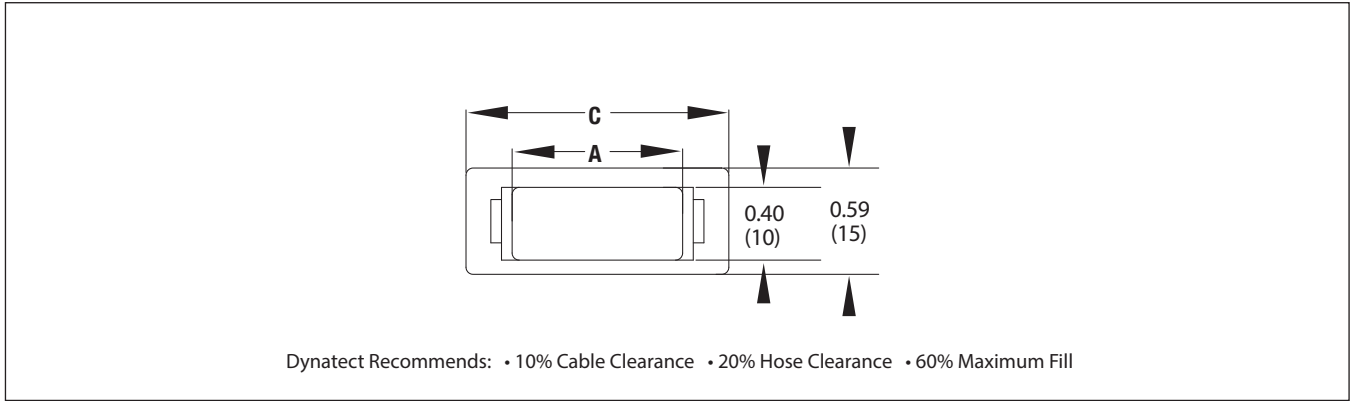
KN SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

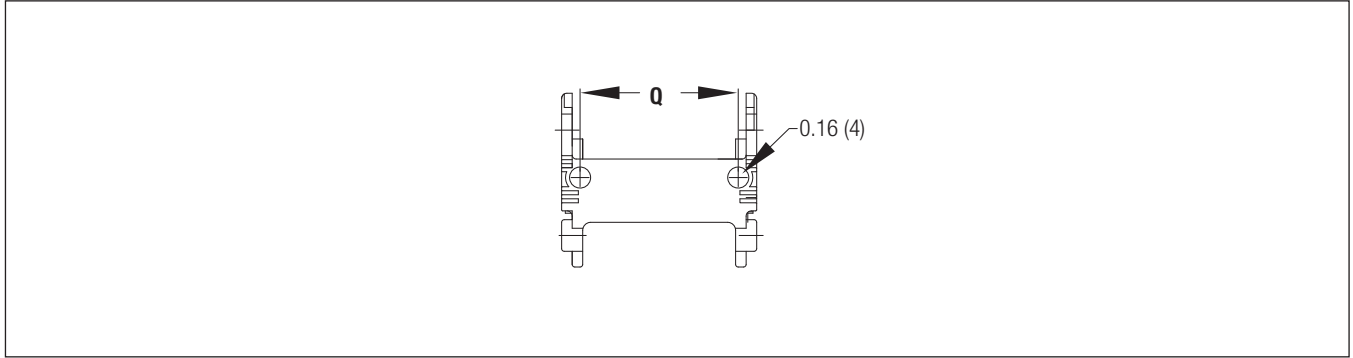
Dimensions in inches (mm)



CARRIER CROSS SECTION



TOP VIEW: MOUNTING HOLE DIMENSIONS



SP SERIES | NYLATRAC® STANDARD (open-style carriers)



Shown with hinged bars on inner radius.

Specify part number with dashes Example: SP300-5-inner-1-24-STRAIN #1	Model	Height	Location of Hinged Bars	Separators	Length	Bracket Arrangement*
	SP300	5	inner	1	24"	STRAIN # 1

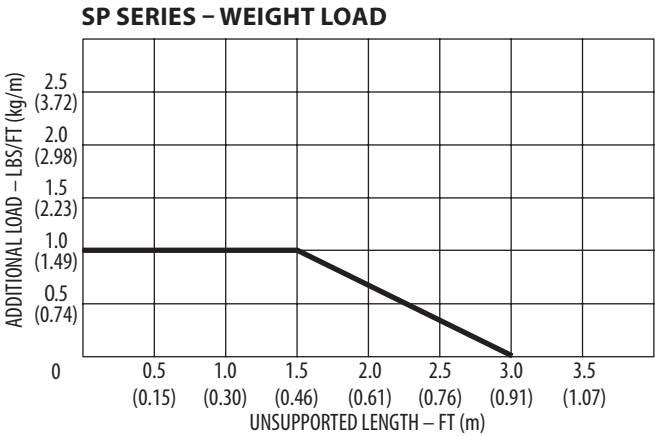
*Strain relief brackets are standard.

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
SP059	0.59 (15)	1.05 (27)	One Slot	0.20 (0.30)
SP100	1.00 (25)	1.46 (37)	0.59 (15)	0.20 (0.30)
SP150	1.50 (38)	1.96 (50)	0.94 (24)	0.23 (0.34)
SP200	2.00 (51)	2.46 (62)	1.44 (37)	0.26 (0.39)
SP250	2.50 (64)	2.96 (75)	1.94 (49)	0.28 (0.42)
SP300	3.00 (76)	3.46 (88)	2.44 (62)	0.29 (0.43)
SP400	4.00 (102)	4.46 (113)	3.44 (87)	0.36 (0.54)

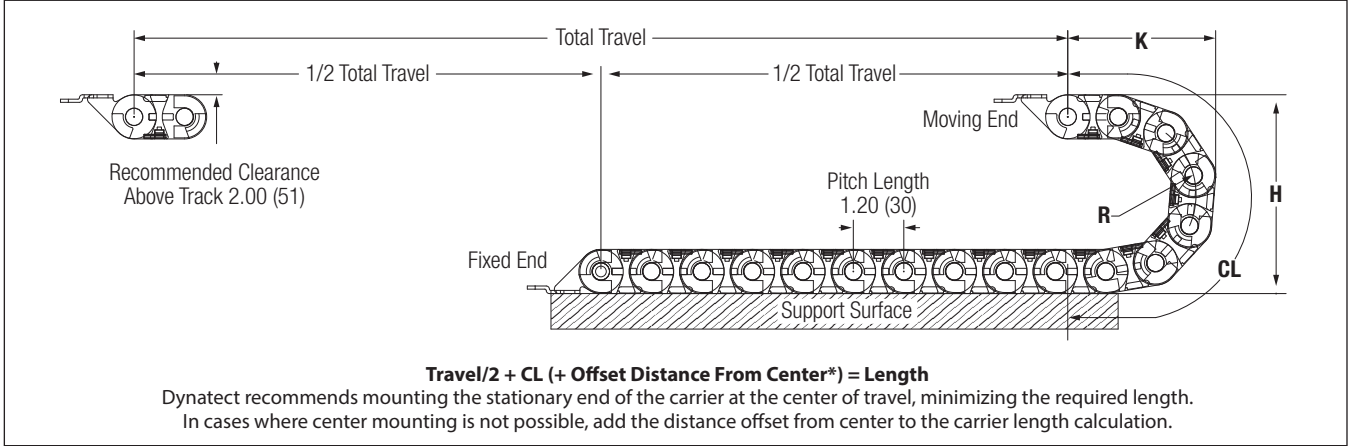
Note: Hinged bars available on inner (standard) or outer radius. Please specify when ordering.

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
3	1.05 (27)	3.15 (80)	2.78 (70)	5.70 (145)
4	1.48 (37)	4.00 (102)	3.21 (81)	7.03 (179)
5	1.85 (47)	4.75 (121)	3.58 (91)	8.21 (209)
7	2.85 (72)	6.75 (171)	4.58 (116)	11.35 (288)
85	3.73 (95)	8.50 (216)	5.46 (139)	14.10 (358)

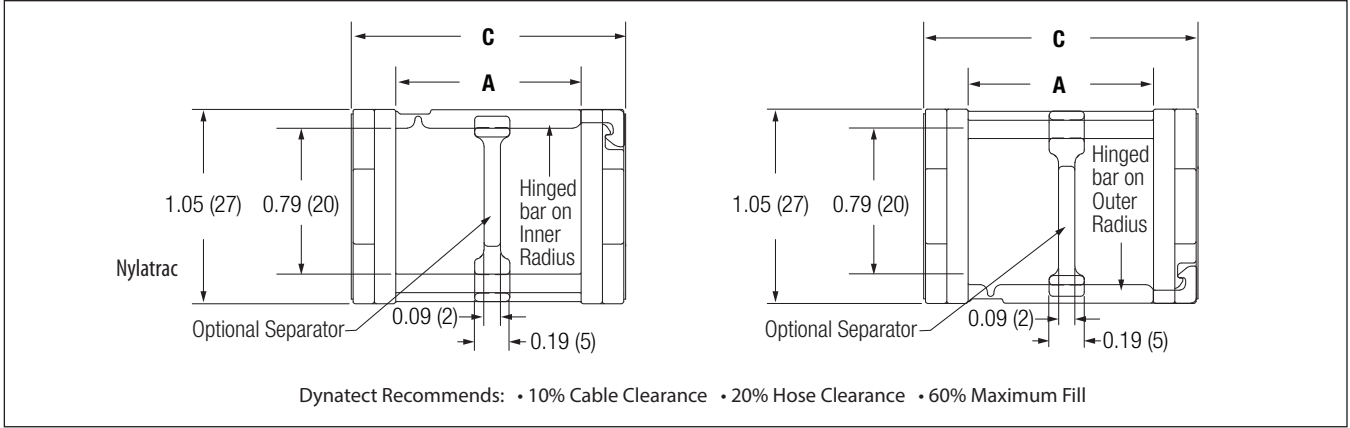


SP SERIES | NYLATRAC® STANDARD (open-style carriers)

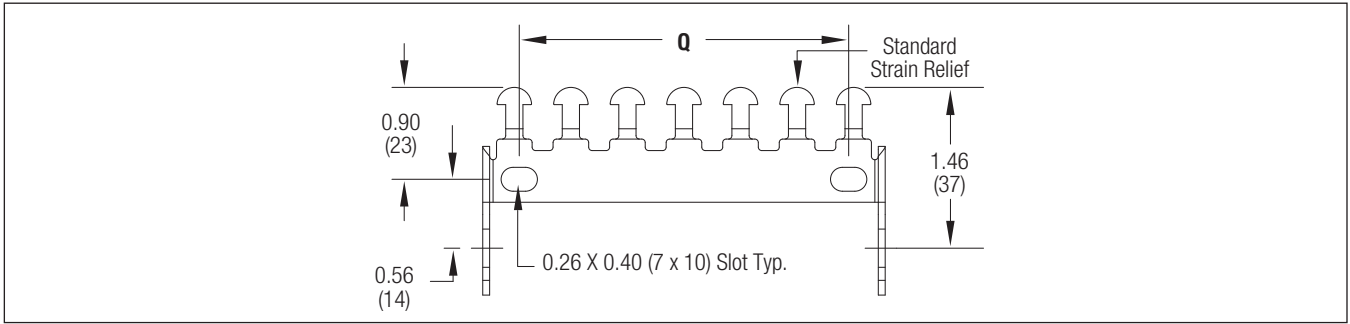
CARRIER SIDE VIEW



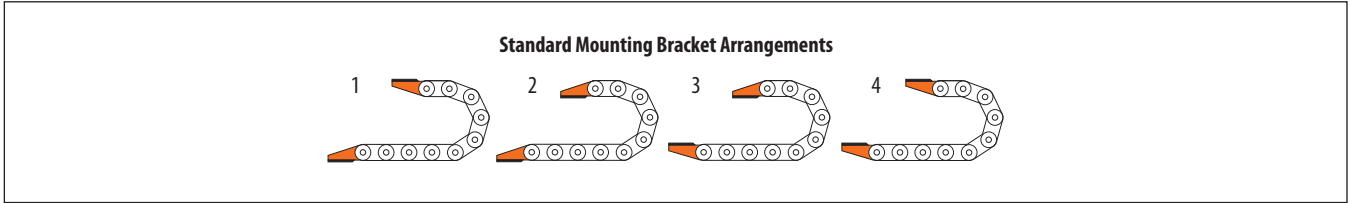
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



KS SERIES | NYLATRAC® STANDARD (open-style carriers)



Shown with hinged bars on inner and outer radius.

Specify part number with dashes Example: KS225-54-inner-1-48-STD #1	Model	Height	Location of Hinged Bars	Separators	Length	Bracket Arrangement*
	KS225	54	inner	1	48"	STD # 1

*Strain relief brackets are optional. To add strain relief brackets, specify as "STRAIN" + arrangement # (1-4).

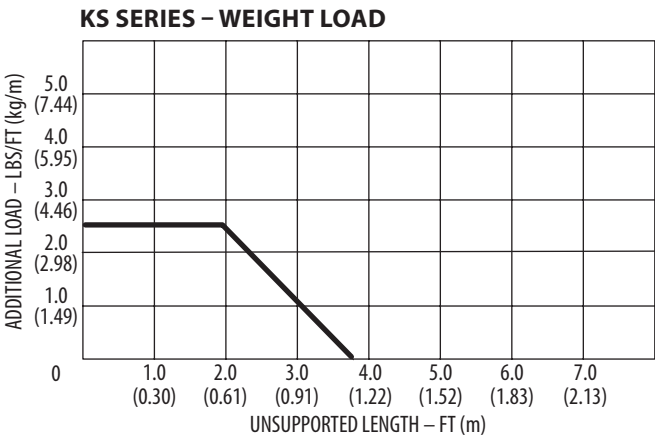
SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
KS100	1.00 (25)	1.52 (39)	0.68 (17)	0.40 (0.60)
KS150	1.50 (38)	2.02 (51)	0.84 (21)	0.44 (0.65)
KS225	2.25 (57)	2.77 (70)	1.66 (42)	0.51 (0.76)
KS300	3.00 (76)	3.52 (89)	2.41 (61)	0.54 (0.80)
KS400	4.00 (102)	4.52 (115)	3.41 (86)	0.60 (0.89)

Note: Hinged bars available on inner or outer radius. Please specify when ordering. (Hinged bars on inner radius is standard.)

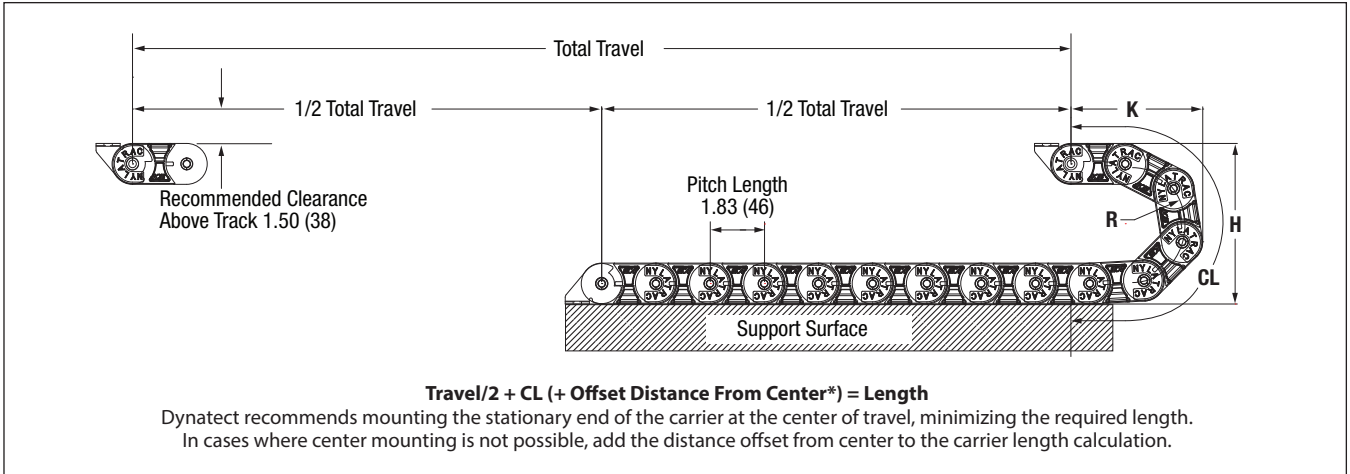
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
54	2.01 (51)	5.40 (137)	4.56 (116)	9.97 (253)
7*	2.81 (71)	7.00 (178)	5.38 (137)	12.49 (317)
73	2.95 (75)	7.28 (185)	5.32 (135)	12.78 (324)
85	3.69 (94)	8.75 (222)	6.25 (159)	15.23 (387)
11	5.00 (127)	11.38 (289)	7.56 (192)	19.36 (492)
13	5.86 (149)	13.10 (333)	8.37 (213)	21.99 (559)

*Low camber. Consult factory for unsupported span length.

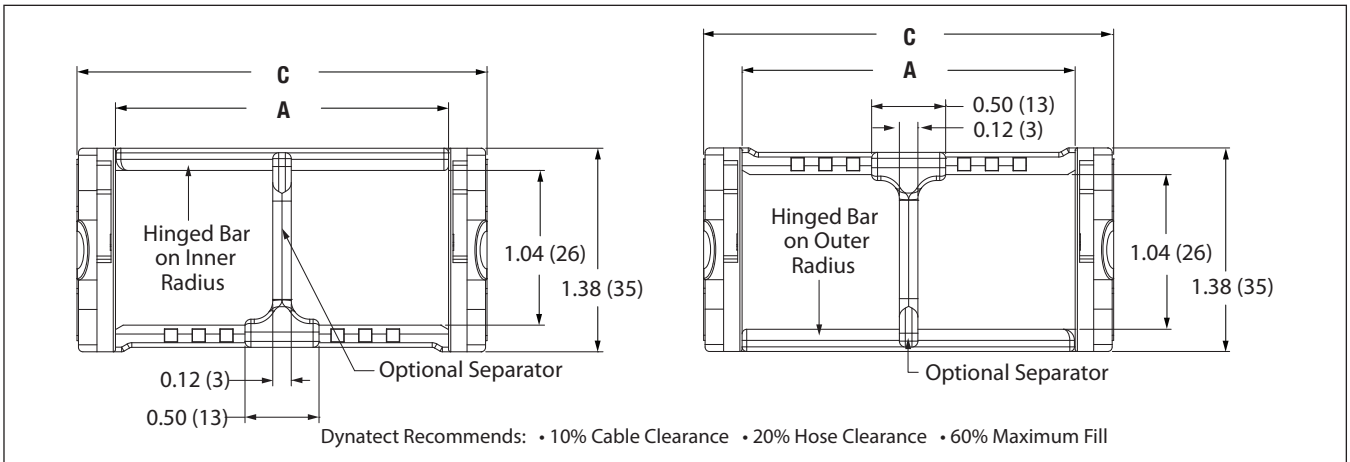


KS SERIES | NYLATRAC® STANDARD (open-style carriers)

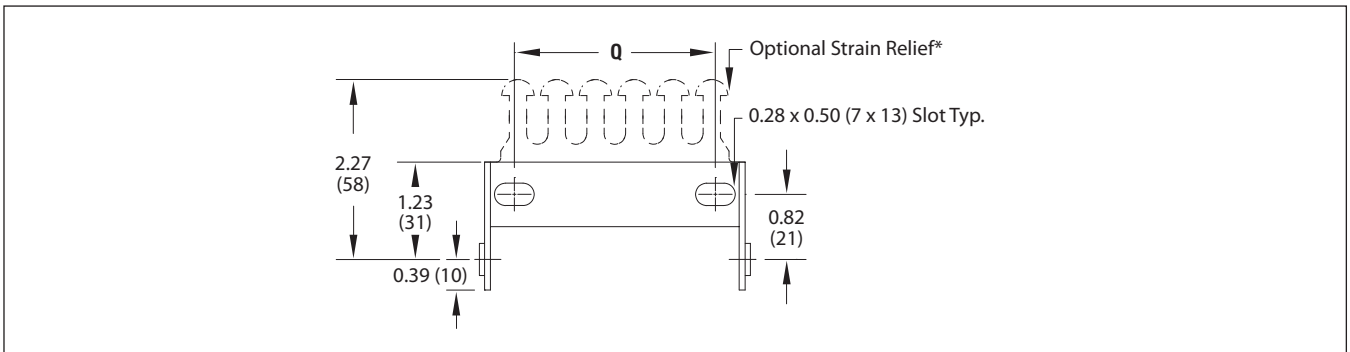
CARRIER SIDE VIEW



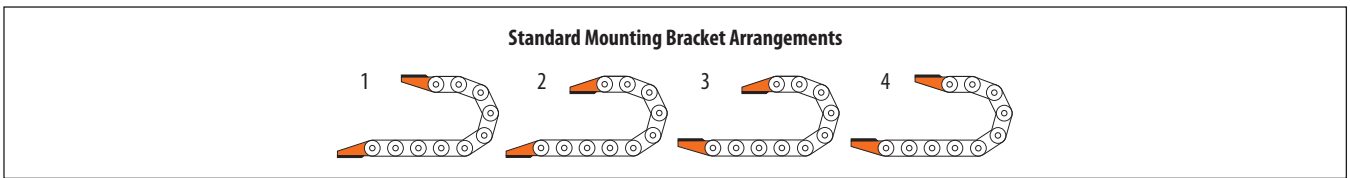
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



P/PH SERIES | NYLATRAC® STANDARD (open-style carriers)



Specify part number with dashes Example: PH2-5-inner-36-#1 IN	Model	Height	Location of Hinged Bars	Length	Bracket Arrangement*
	PH2	5	inner	36"	#1 IN

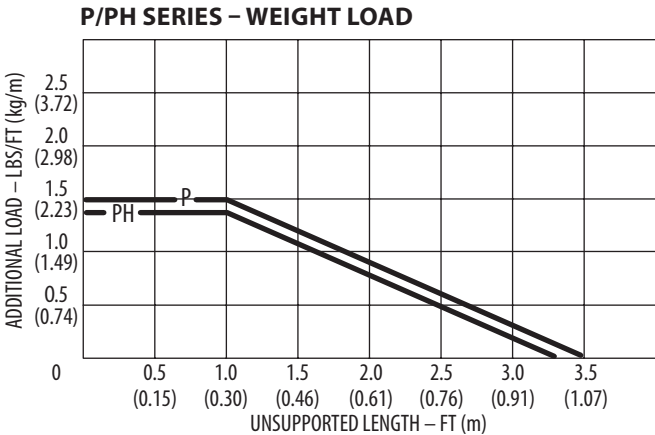
*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

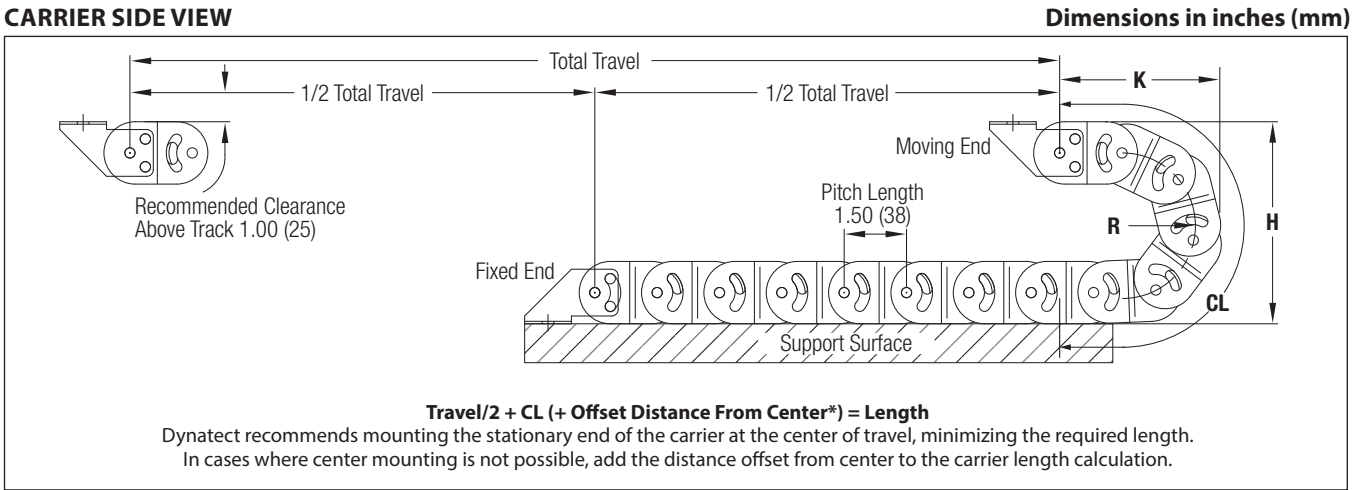
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
P1	1.25 (32)	1.72 (44)	0.35 (0.52)
PH1*	1.25 (32)	1.72 (44)	0.35 (0.52)
P2	2.50 (64)	2.97 (75)	0.41 (0.61)
PH2*	2.50 (64)	2.97 (75)	0.41 (0.61)
P3	4.00 (102)	4.47 (114)	0.49 (0.73)
PH3*	4.00 (102)	4.47 (114)	0.49 (0.73)

*PH Series crossbars hinge open on both left and right sides for directional opening. Please specify inner or outer radius for hinged bars. (Inside radius is standard.)

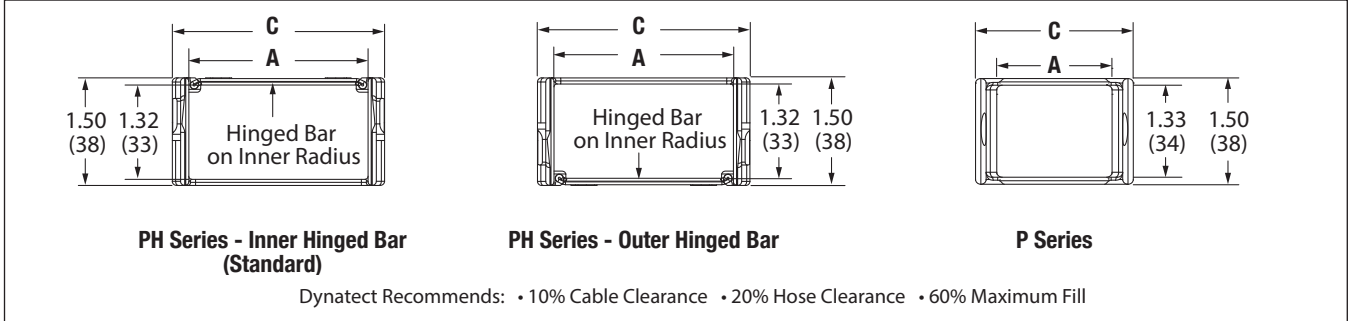
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
4	1.25 (32)	4.00 (102)	3.41 (87)	6.69 (170)
5	1.75 (44)	5.00 (127)	4.00 (102)	9.00 (229)
10	4.25 (108)	10.00 (254)	6.50 (165)	16.50 (419)



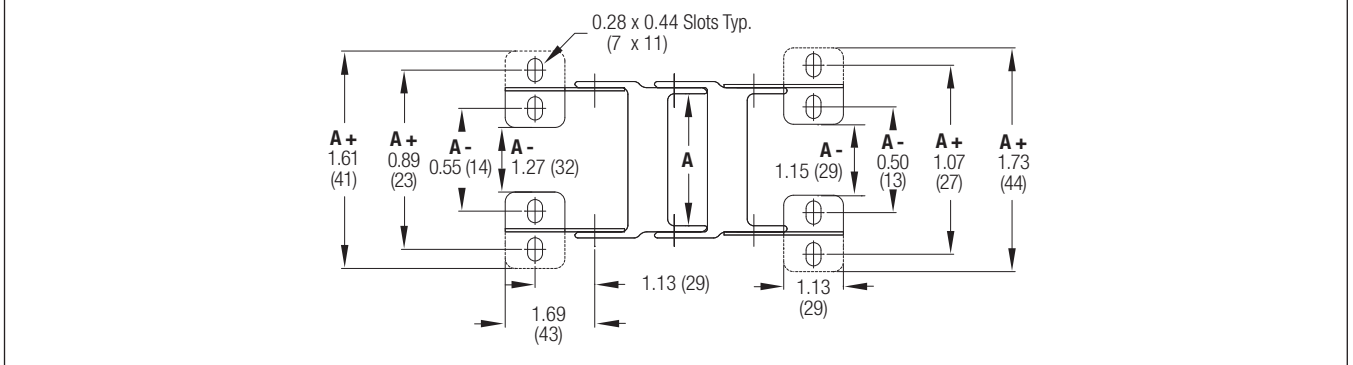
P/PH SERIES | NYLATRAC® STANDARD (open-style carriers)



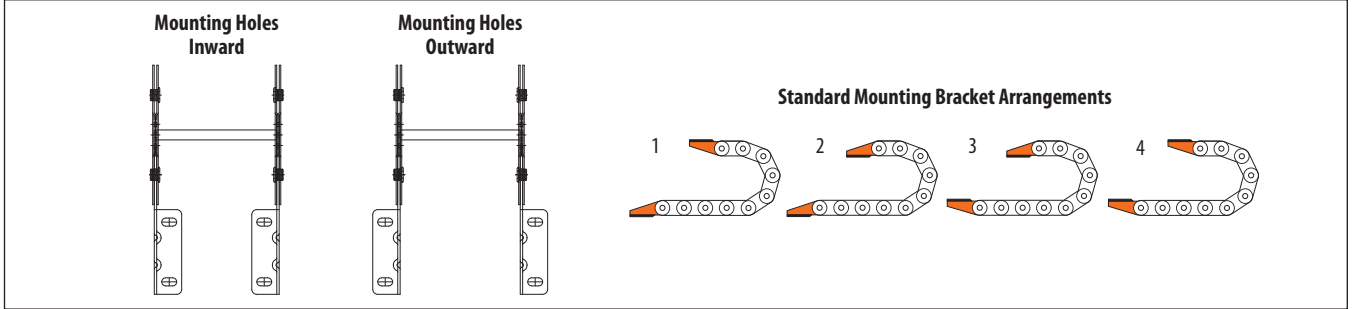
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



NP SERIES | NYLATRAC® STANDARD (open-style carriers)



Specify part number with dashes Example: NP200-7-inner-0-36-STRAIN #1	Model	Height	Location of Hinged Bars	Separators	Length	Bracket Arrangement*
	NP200	7	inner	0	36"	STRAIN #1

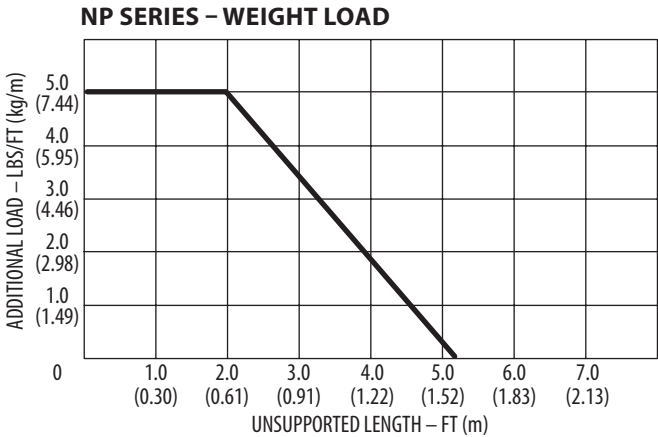
*Strain relief brackets are standard.

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
NP200	2.00 (51)	2.63 (67)	1.19 (30)	0.72 (1.07)
NP250	2.50 (64)	3.13 (80)	1.69 (43)	0.74 (1.10)
NP300	3.00 (76)	3.63 (92)	2.19 (56)	0.78 (1.15)
NP400	4.00 (102)	4.63 (118)	3.19 (81)	0.85 (1.26)
NP500	5.00 (127)	5.63 (143)	4.19 (106)	0.95 (1.41)
NP600	6.00 (152)	6.63 (168)	5.19 (132)	1.03 (1.54)

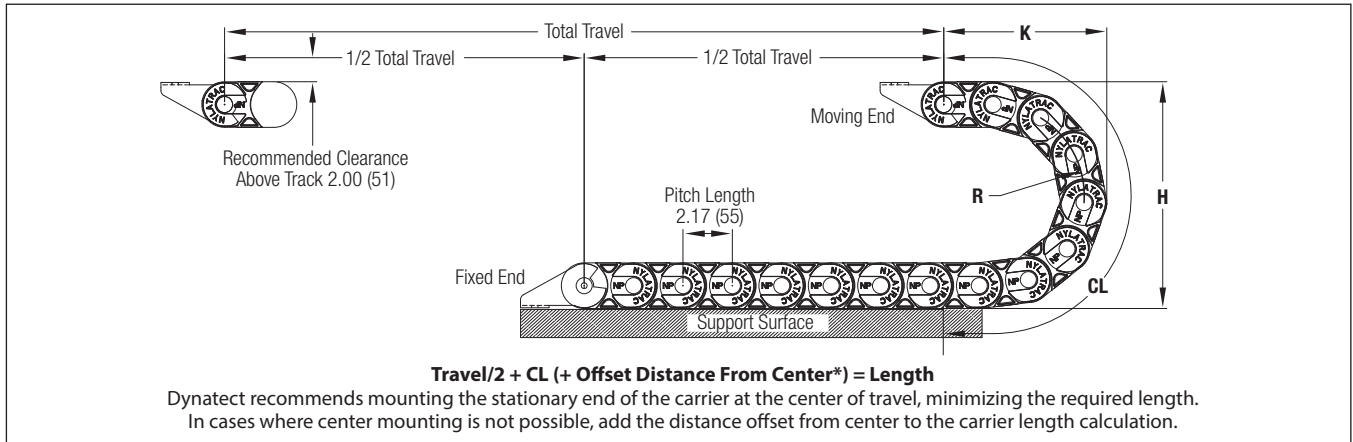
Note: Hinged bars available on inner or outer radius. Please specify when ordering. (Hinged bars on inner radius is standard.)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
7	2.50 (64)	7.00 (178)	5.67 (144)	12.18 (309)
8	2.95 (75)	7.90 (201)	6.12 (155)	13.59 (345)
10	3.94 (100)	9.88 (251)	7.11 (180)	16.70 (424)
12	4.92 (125)	11.84 (301)	8.09 (205)	19.78 (502)
14	5.91 (150)	13.82 (351)	9.07 (230)	22.87 (581)
18	7.87 (200)	18.00 (457)	11.04 (280)	29.04 (738)

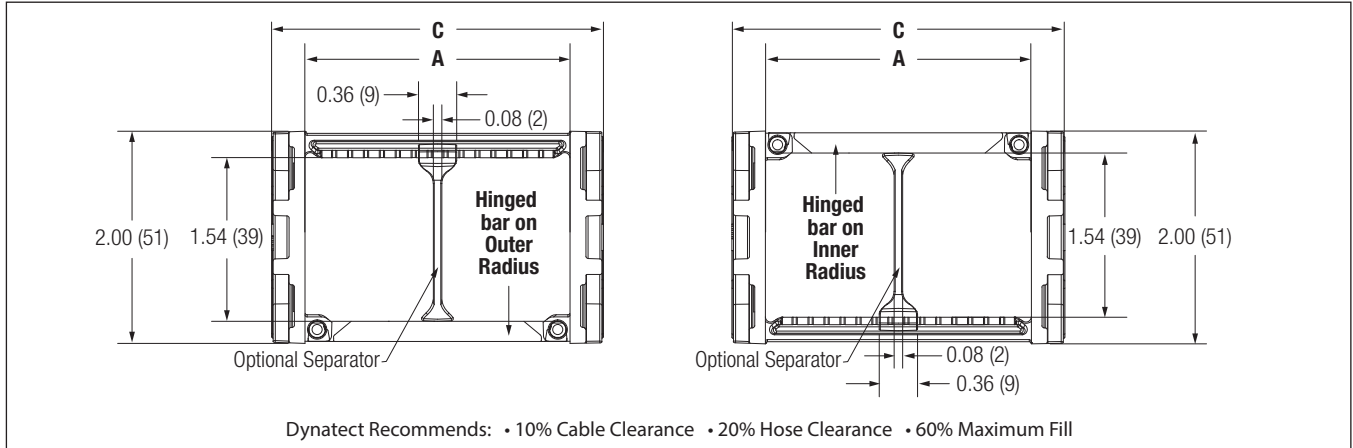


NP SERIES | NYLATRAC® STANDARD (open-style carriers)

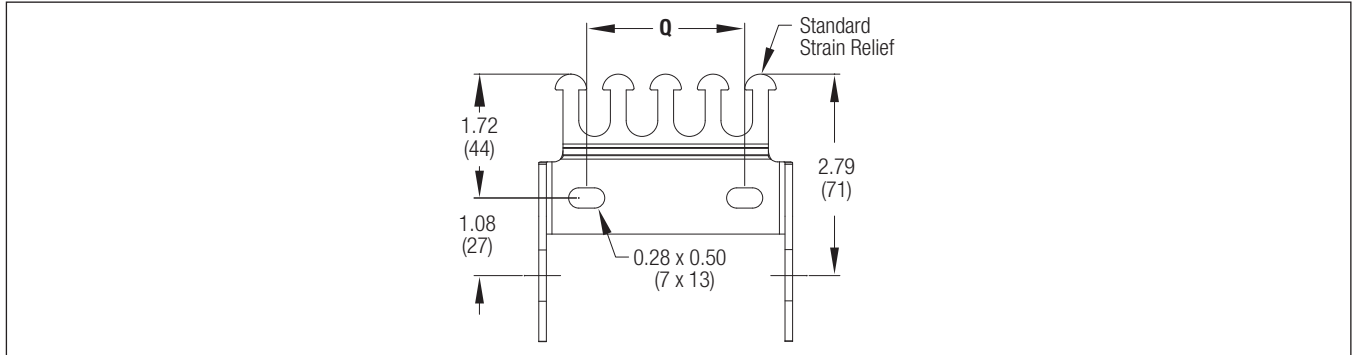
CARRIER SIDE VIEW



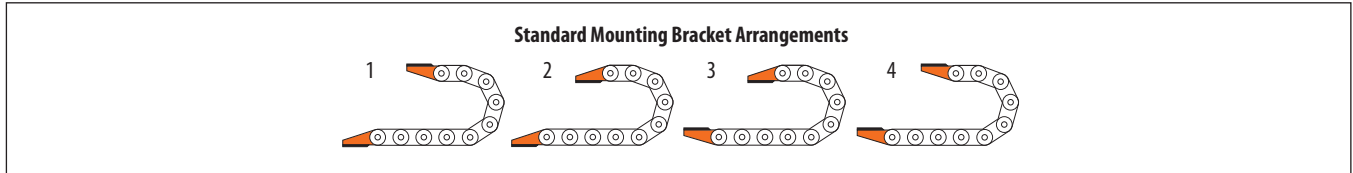
CARRIER CROSS SECTION



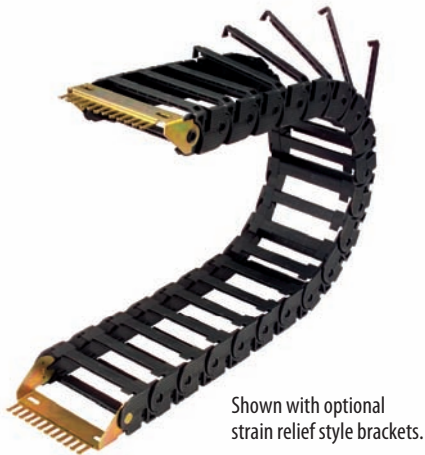
TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



KL SERIES | NYLATRAC® STANDARD (open-style carriers)



Shown with optional strain relief style brackets.



NEW!
KL1 available with optional single-piece cavity divider.

Specify part number with dashes Example: KL3-18-2-60-STD #1	Model	Height	Separators	Length	Bracket Arrangement*
	KL3	18	2	60"	STD #1

*Strain relief brackets are optional.

SPECIFICATIONS

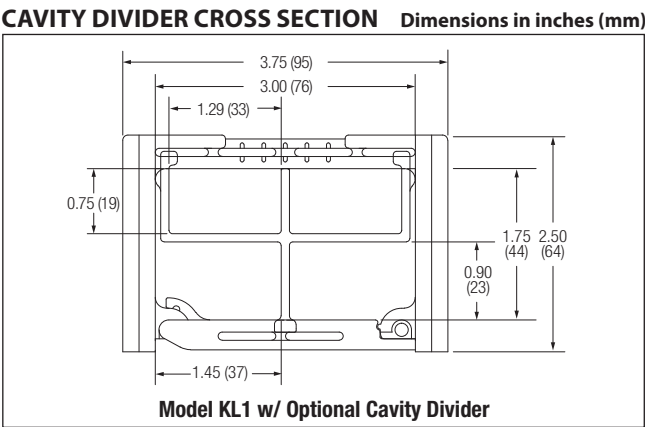
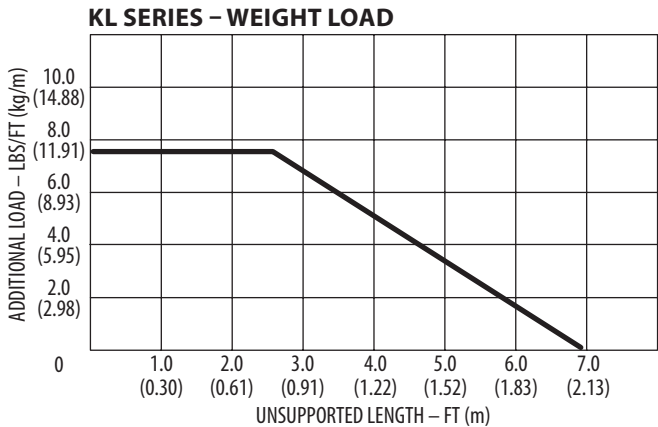
MODEL NO.	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
KL200*	2.00 (51)	2.75 (70)	1.05 (27)	1.00 (1.49)
KL1**	3.00 (76)	3.75 (95)	1.88 (48)	0.98 (1.46)
KL2	4.50 (114)	5.25 (133)	3.38 (86)	1.11 (1.65)
KL3	7.00 (178)	7.75 (197)	5.88 (149)	1.48 (2.20)

*New model: KL200-10 or KL200-15 – hinged bars available on inside (standard) or outside radius. When specifying, please note preferred location of hinged bars.

**KL1 – optional single-piece cavity divider available.

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
10*	3.75 (95)	10.00 (254)	7.59 (193)	16.80 (427)
15*	6.25 (159)	15.00 (381)	10.08 (256)	24.70 (627)
85	3.00 (76)	8.50 (216)	6.88 (175)	14.68 (373)
12	4.75 (121)	12.00 (305)	8.63 (219)	20.18 (513)
14	5.75 (146)	14.00 (356)	9.63 (244)	23.31 (592)
18	7.75 (197)	18.00 (457)	11.60 (295)	29.50 (749)
26	11.75 (298)	26.00 (660)	15.60 (396)	42.18 (1071)

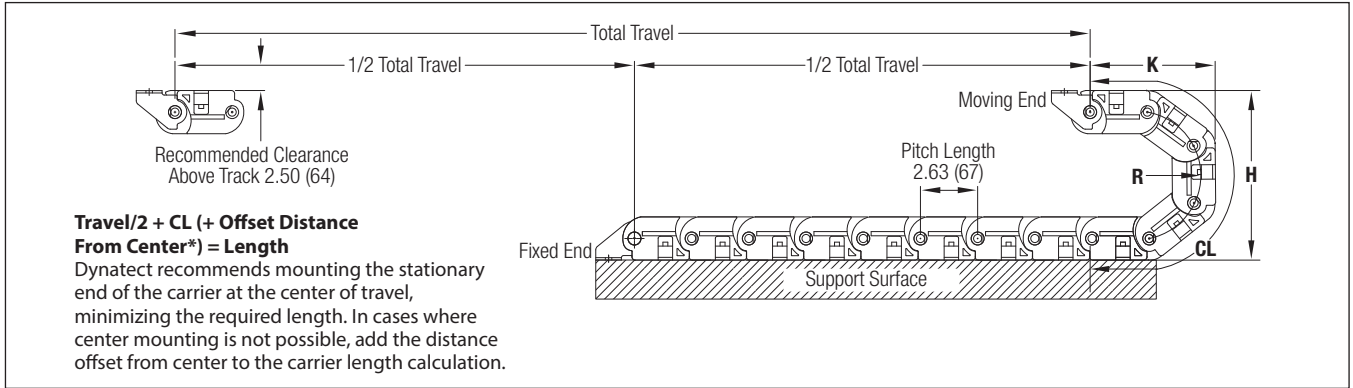
*10 and 15 Height No. with KL200 model only (KL200-10 or KL200-15).



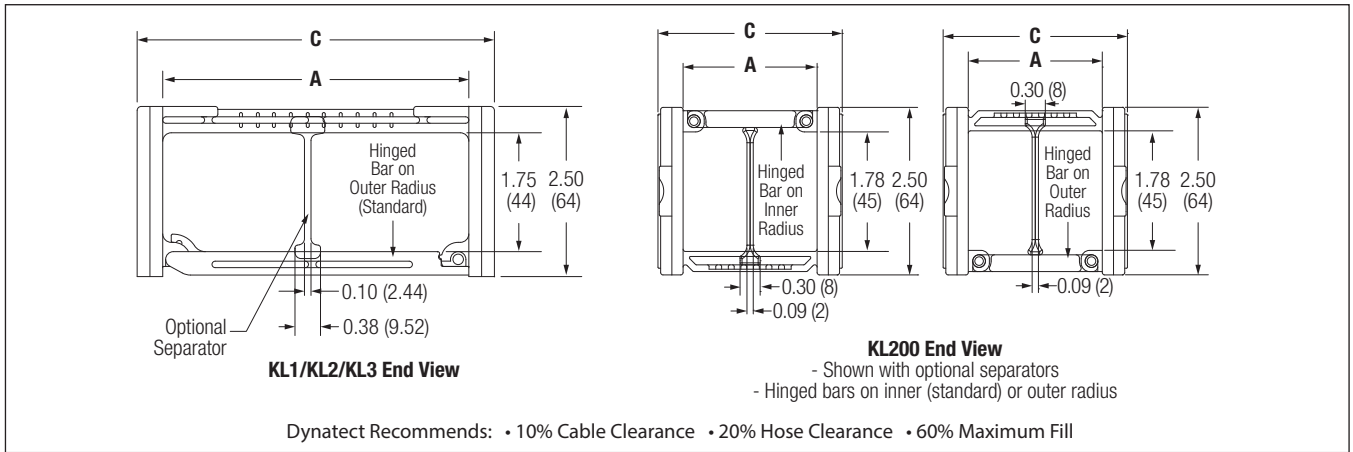
KL SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

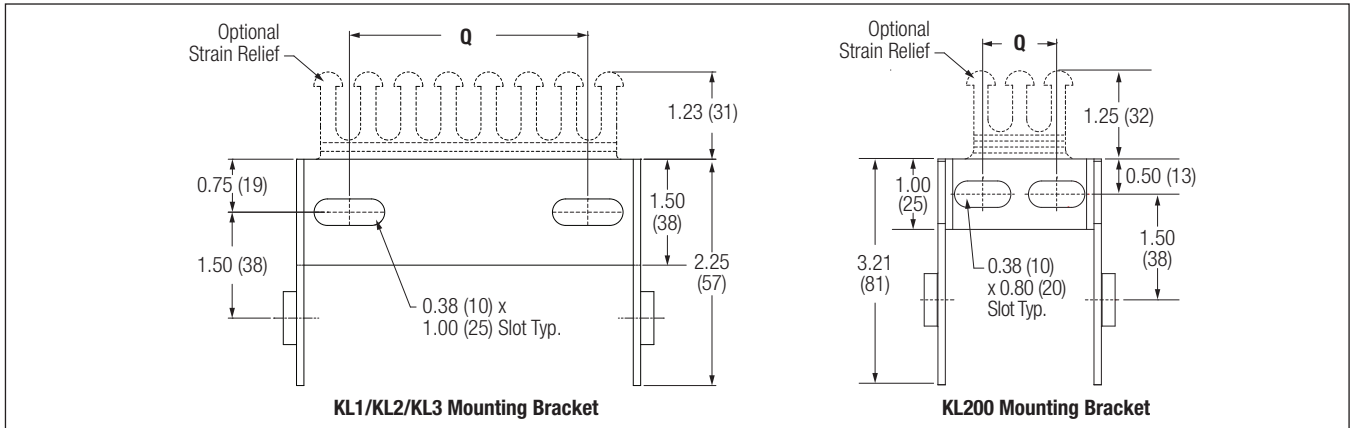
Dimensions in inches (mm)



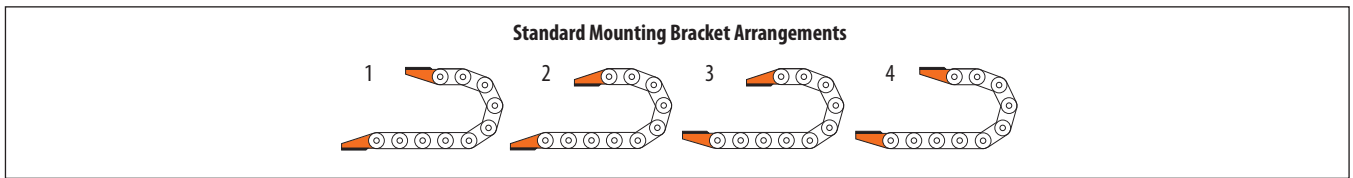
CARRIER CROSS SECTION



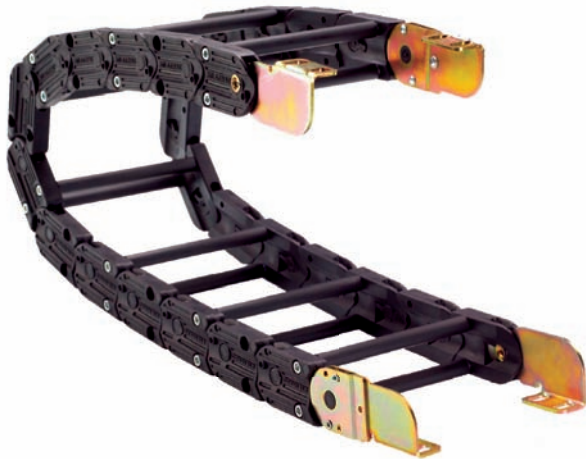
TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



NSB SERIES | NYLATRAC® MODULAR (open-style carriers)



Specify part number with dashes Example: NSB-PR-4.50-55-1-72-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	NSB	PR	4.50"	55	1	72"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

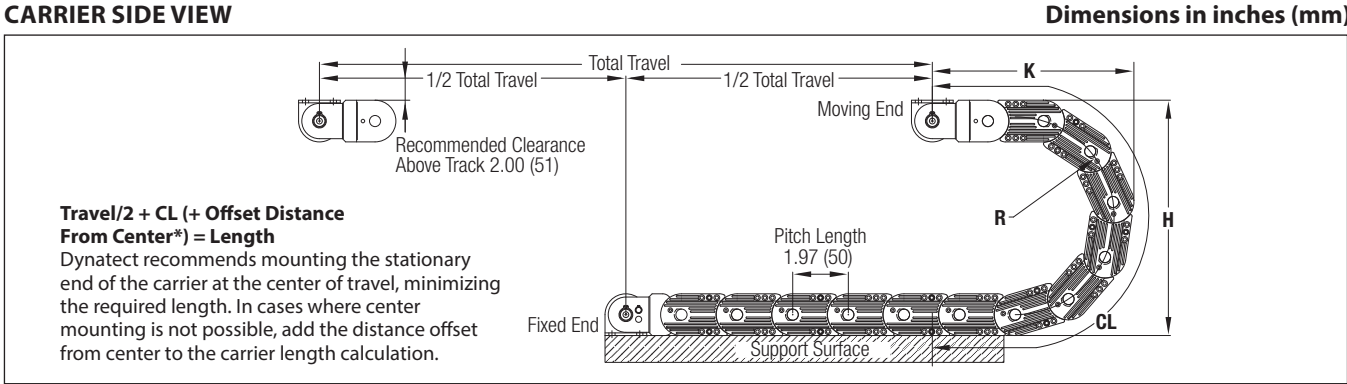
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
NSB	Customer Specified	A + 0.94 (24)	0.70 (1.04)

Crossbar Styles:
RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar

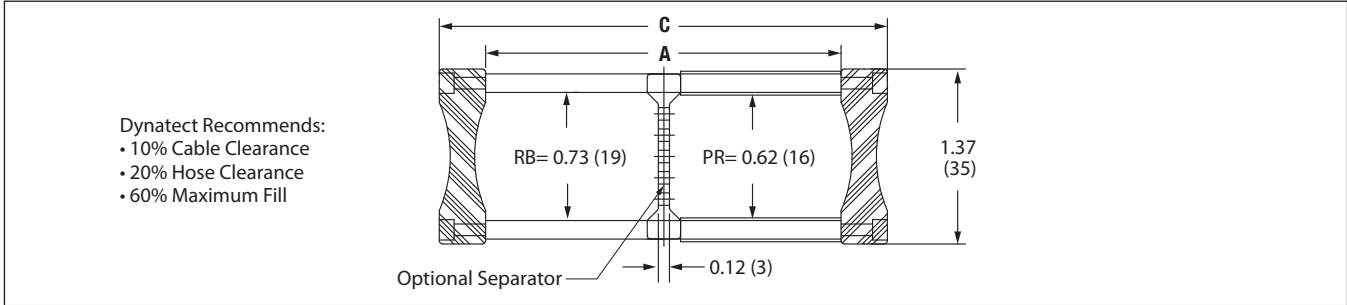
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
55	2.39 (61)	6.17 (157)	5.13 (130)	11.50 (292)
75	3.06 (78)	7.50 (191)	5.88 (149)	13.75 (349)



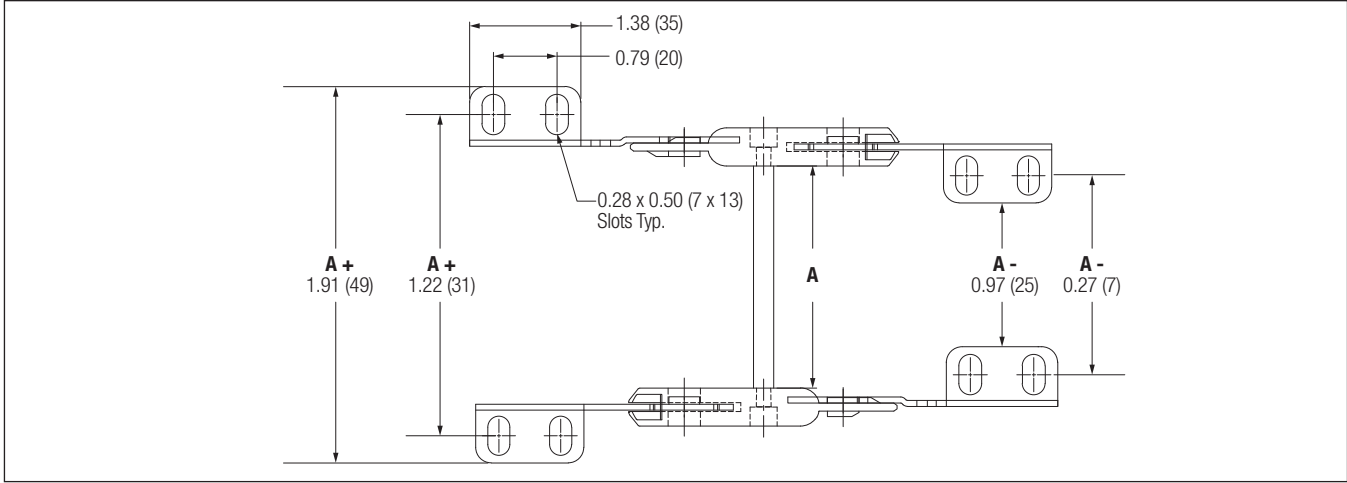
NSB SERIES | NYLATRAC® MODULAR (open-style carriers)



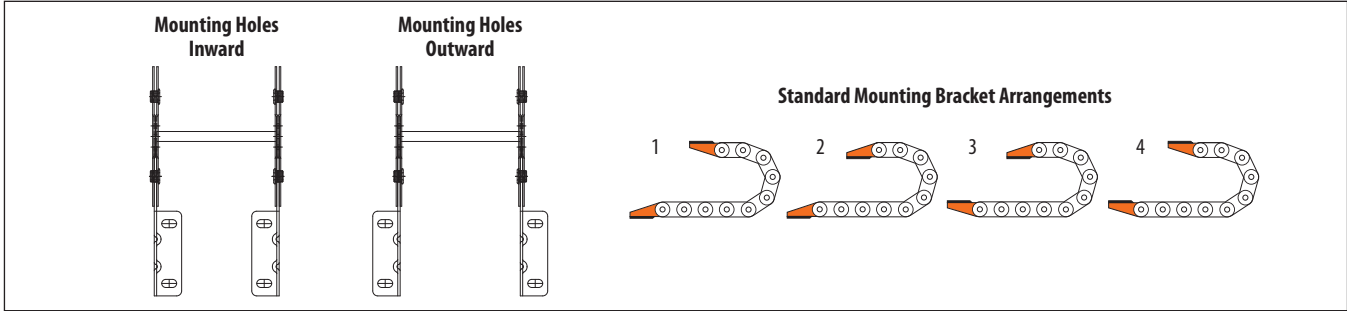
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



TSC SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

Specify part number with dashes Example: TSC415-F-80-1-72-#1 IN	Model	Bar Style	Bar Width* (inches)	Height	Separators	Length	Bracket Arrangement**
	TSC415	F	(n/a)	80	1	72"	#1 IN

*Does not apply to 'F' style bar. **Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TSC218-F	2.18 (55)	3.03 (77)	1.09 (1.62)
TSC317-F	3.17 (81)	4.02 (102)	1.12 (1.67)
TSC368-F	3.68 (94)	4.53 (115)	1.14 (1.70)
TSC415-F	4.15 (105)	5.00 (127)	1.16 (1.73)
TSC513-F	5.13 (130)	5.98 (152)	1.19 (1.77)
TSC554-F	5.54 (141)	6.39 (162)	1.20 (1.79)
TSC597-F	5.97 (152)	6.82 (173)	1.20 (1.79)
TSC998-F	9.98 (253)	10.83 (275)	1.90 (2.83)
TSC-PR	Customer Specified	A + 0.85 (22)	0.88 (1.31)
TSC-RB	Customer Specified	A + 0.85 (22)	0.82 (1.22)
TSC-AF	Customer Specified	A + 0.85 (22)	1.15 (1.71)
TSC-PL***	Customer Specified	A + 0.85 (22)	1.47 (2.19)



Note: Modular low-friction sliders are optional.

Crossbar Styles (Top and Bottom):

F = Snap-In Plastic Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
AF = Bolted Aluminum Flat Bar PL = Plastic Lid (Enclosed-Style Carrier)

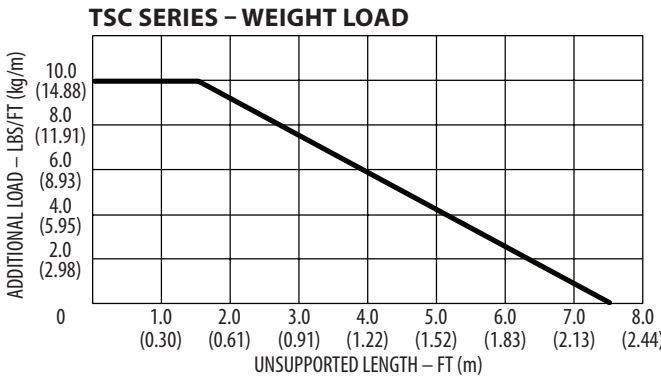
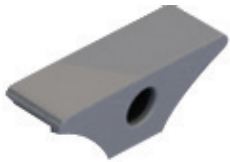
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
80***	2.95 (75)	8.20 (208)	6.74 (171)	14.24 (362)
100***	3.94 (100)	10.18 (259)	7.73 (196)	17.43 (443)
115***	4.52 (115)	11.34 (288)	8.31 (211)	19.28 (490)
120	4.92 (125)	12.14 (308)	8.71 (221)	20.58 (523)
140	5.91 (150)	14.12 (359)	9.70 (246)	23.69 (602)
160	6.69 (170)	15.68 (398)	10.48 (266)	26.16 (665)
180	7.87 (200)	18.04 (458)	11.66 (296)	29.89 (759)
200	8.46 (215)	19.22 (488)	12.25 (311)	31.72 (806)
220	9.84 (250)	21.98 (558)	13.63 (346)	38.74 (984)
260	11.81 (300)	25.92 (658)	15.60 (396)	42.31 (1075)
300	13.78 (350)	29.86 (758)	17.57 (446)	48.51 (1232)

***Plastic lids not available on 80, 100 or 115 height. Optional modular sliders not available on 80 or 100 height.

MODULAR LOW-FRICTION SLIDERS

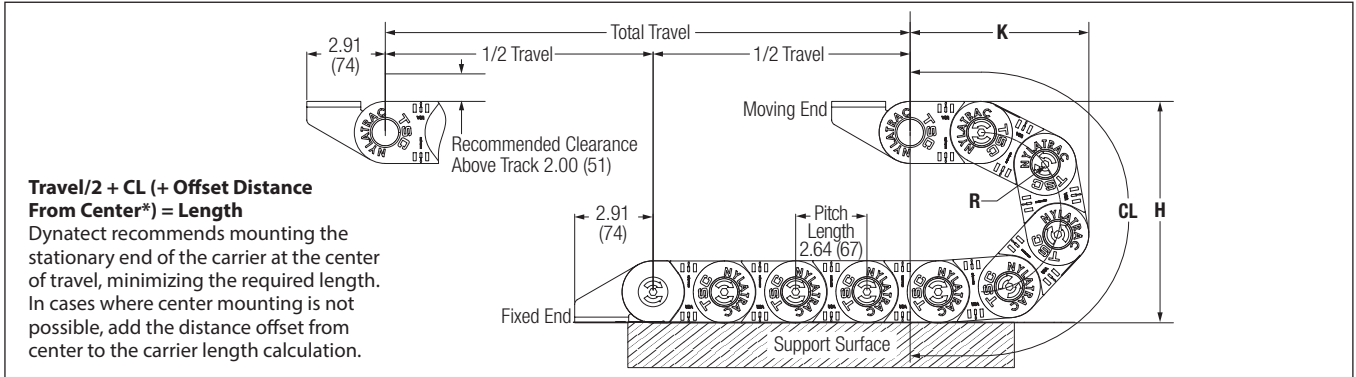
Modular sliders are often used in long travel applications in which chain bands glide on each other. Sliders are manufactured from special plastic material that is wear-resistant and provides a low coefficient of friction. Not only do they reduce tow force and wear, but they are removable and easy to replace.

When adding sliders to TSC Series, add 0.15" (4 mm) to overall track width ('C' dimension).

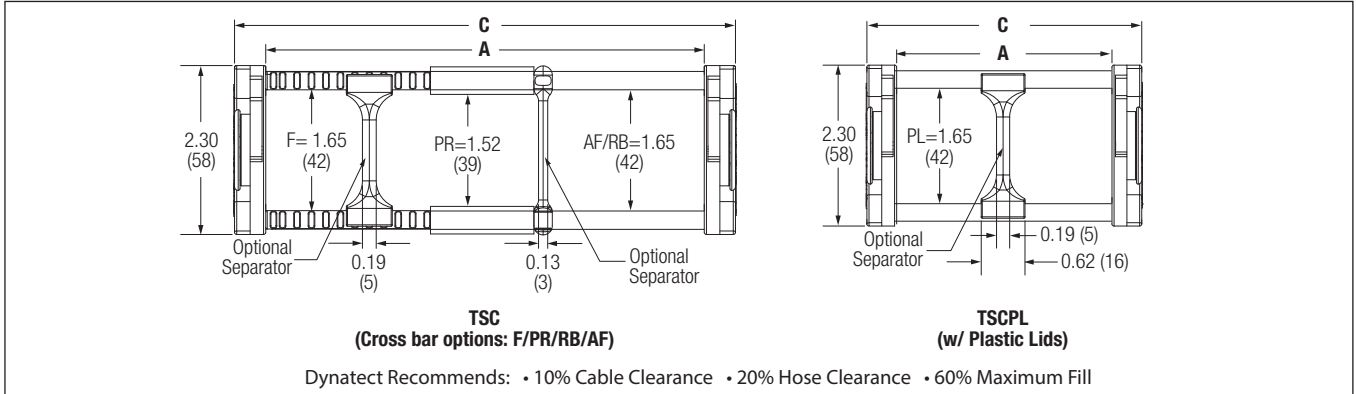


TSC SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

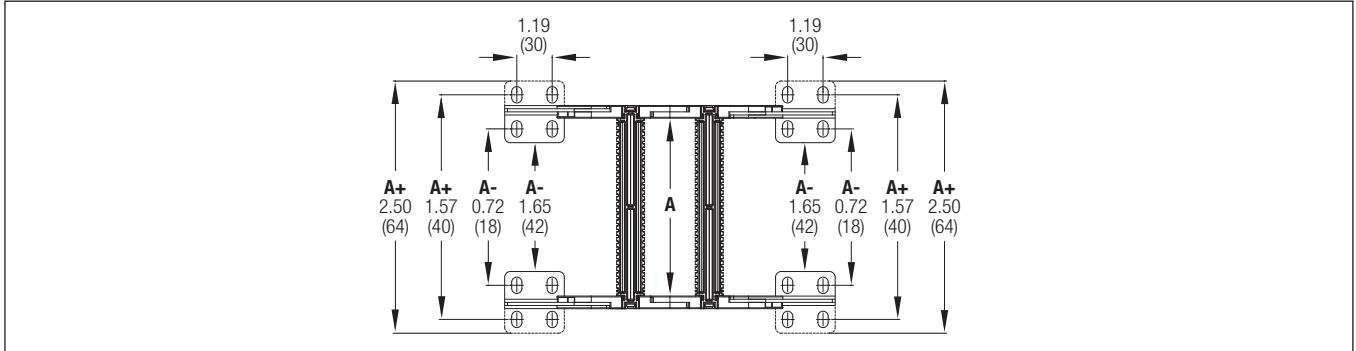
CARRIER SIDE VIEW



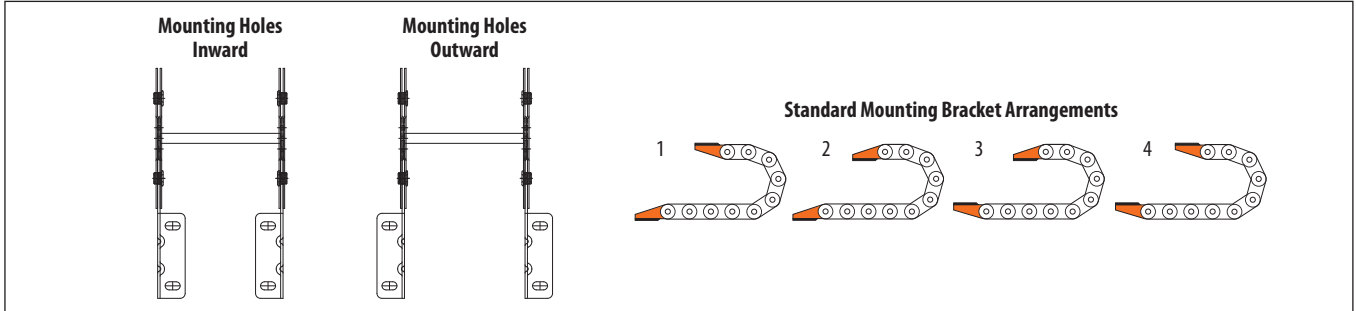
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



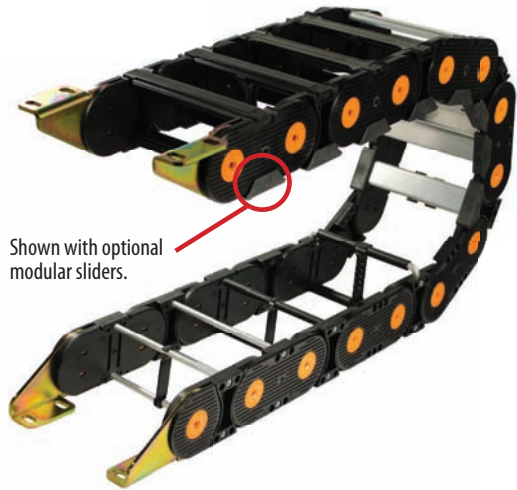
TS SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

Specify part number with dashes Example: TS-RB-3.25-110-1-72-#1 IN	Model	Bar Style	Bar Width*	Height	Separators	Length	Bracket Arrangement**
	TS	RB	3.25"	110	1	72"	#1 IN

*Does not apply to 'F' style bar. **Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TS293-F	2.93 (74)	4.45 (113)	2.40 (3.57)
TS387-F	3.87 (98)	5.35 (136)	2.50 (3.72)
TS480-F	4.80 (122)	6.33 (161)	2.60 (3.87)
TS638-F	6.36 (162)	7.89 (200)	2.70 (4.02)
TS762-F	7.62 (194)	9.14 (232)	2.80 (4.17)
TS805-F	8.05 (205)	9.57 (243)	2.85 (4.25)
TS980-F	9.79 (249)	11.32 (288)	2.90 (4.32)
TS1101-F	11.01 (280)	12.53 (318)	2.95 (4.39)
TS1148-F	11.48 (292)	13.00 (330)	3.00 (4.46)
TS1169-F	11.68 (297)	13.21 (336)	3.00 (4.46)
TS1357-F	13.57 (345)	15.09 (383)	3.10 (4.61)
TS-PS	Customer Specified	A + 1.52 (39)	3.31 (4.92)
TS-RB / TS-PR	Customer Specified	A + 1.52 (39)	TS-RB = 2.45 (3.65) / TS-PR = 2.69 (4.00)
TS-AF / TS-AFS	Customer Specified	A + 1.52 (39)	TS-AF = 4.93 (7.34) / TS-AFS = 4.81 (7.16)
TS-PL / TS-AP	Customer Specified	A + 1.52 (39)	TS-PL = 4.33 (6.44) / TS-AP = 6.39 (9.51)



Shown with optional modular sliders.

Crossbar Styles (Top and Bottom):

F / PS = Snap-In Plastic Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
AF = Bolted Aluminum Flat Bar AFS = Snap-In Aluminum Flat Bar
PL = Plastic Lid (Enclosed-Style Carrier) AP = Aluminum Armor Plate (Enclosed-Style Carrier)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
110***	3.88 (99)	11.00 (279)	9.56 (243)	20.30 (516)
140***	5.38 (137)	14.00 (356)	11.06 (281)	25.01 (635)
170	6.81 (173)	16.88 (429)	12.50 (318)	29.53 (750)
200	8.31 (211)	19.88 (505)	14.00 (356)	34.24 (870)
245	10.56 (268)	24.38 (619)	16.25 (413)	41.31 (1049)
275	12.13 (308)	27.50 (699)	17.81 (452)	46.22 (1174)
360	16.13 (410)	35.50 (902)	21.81 (554)	58.78 (1493)

***The following options are not available with 110 and 140 curve heights: modular sliders, aluminum armor plates, plastic lids.

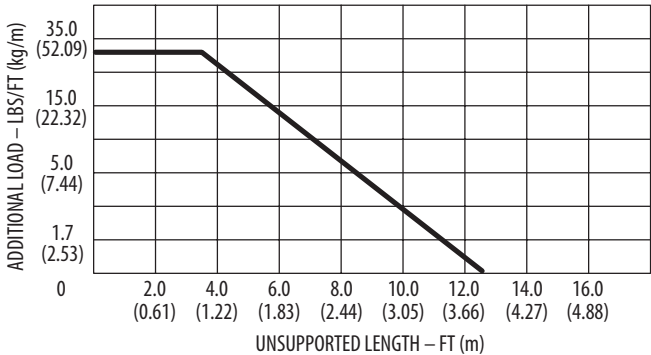
MODULAR LOW-FRICTION SLIDERS

Modular sliders are often used in long travel applications in which chain bands glide on each other. Sliders are manufactured from special plastic material that is wear-resistant and provides a low coefficient of friction. Not only do they reduce tow force and wear, but they are removable and easy to replace.

When adding sliders to TS Series, add 0.20" (5 mm) to overall track width ('C' dimension).

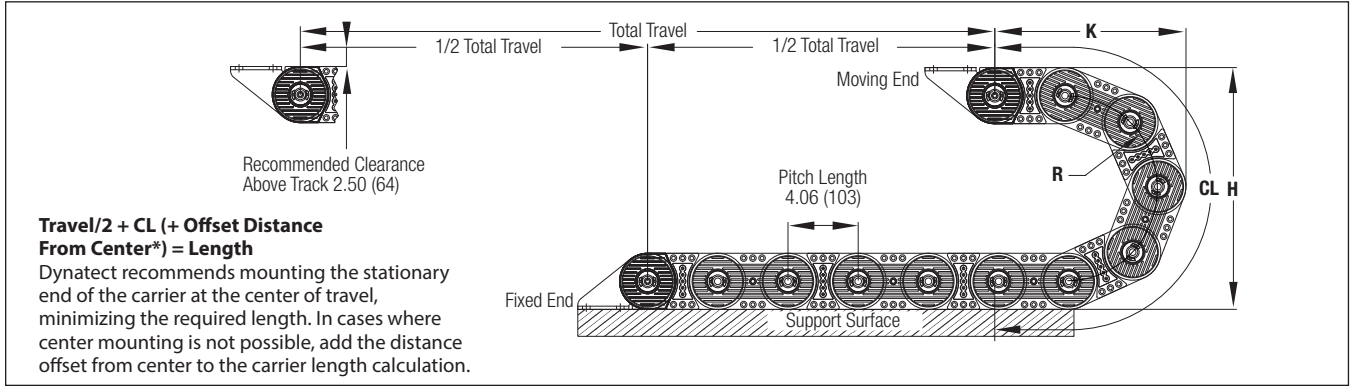


TS SERIES – WEIGHT LOAD

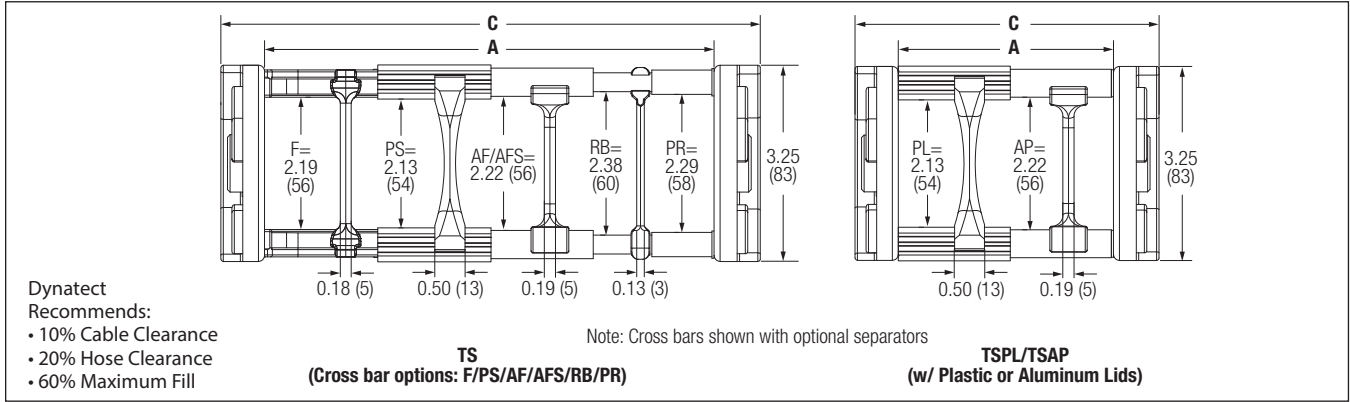


TS SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

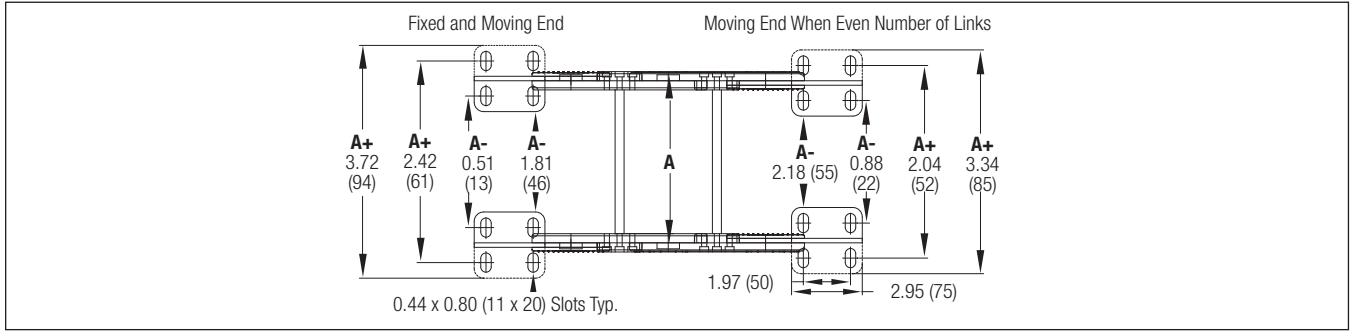
CARRIER SIDE VIEW



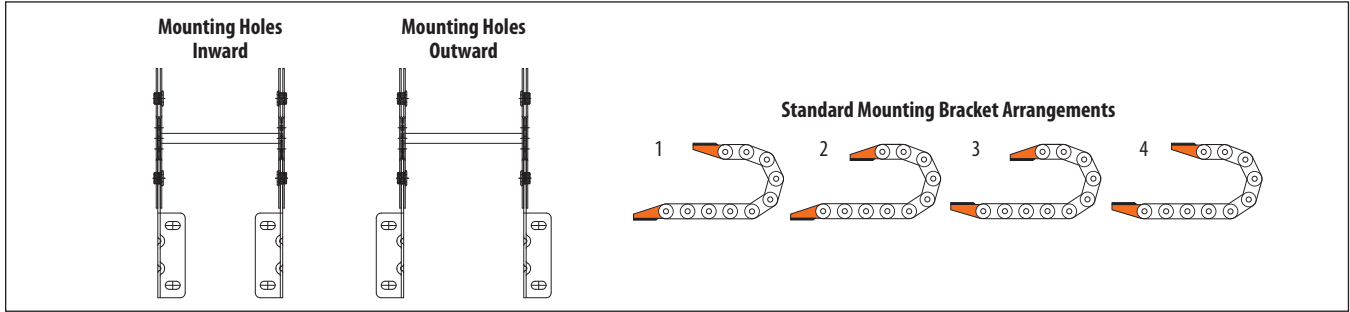
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



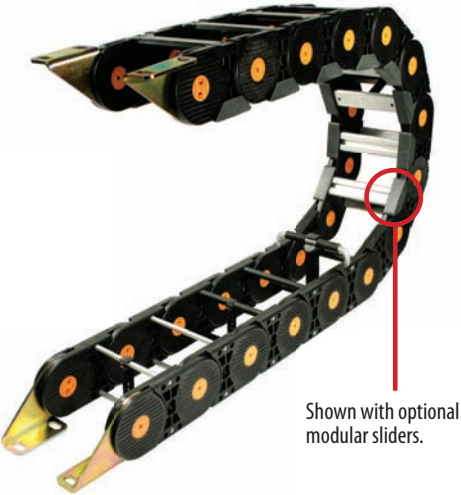
TL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

Specify part number with dashes Example: TL-AFS-4.25-275-1-60-#3 OUT	Model	Bar Style	Bar Width*	Height	Separators	Length	Bracket Arrangement**
	TL	AFS	4.25"	275	1	60"	#3 OUT

*Does not apply to 'F' style bar. **Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TL394F	3.94 (100)	5.87 (149)	2.80 (4.17)
TL466F	4.66 (118)	6.59 (168)	2.85 (4.24)
TL573F	5.73 (146)	7.67 (195)	2.90 (4.32)
TL789F	7.88 (200)	9.82 (249)	2.95 (4.39)
TL968F	9.68 (246)	11.62 (295)	3.00 (4.46)
TL1184F	11.84 (300)	13.77 (350)	3.05 (4.54)
TL1363F	13.63 (346)	15.57 (395)	3.10 (4.61)
TS-PS	Customer Specified	A + 1.94 (49)	4.03 (5.99)
TL-RB / TL-PR	Customer Specified	A + 1.94 (49)	TL-RB = 3.42 (5.09) / TL-PR = 3.72 (5.54)
TL-AF / TL-AFS	Customer Specified	A + 1.94 (49)	TL-AF = 5.21 (7.76) / TL-AFS = 5.12 (7.62)
TL-PL / TL-AP	Customer Specified	A + 1.94 (49)	TL-PL = 5.21 (7.75) / TL-AP = 7.56 (11.25)



Shown with optional modular sliders.

Crossbar Styles (Top and Bottom):

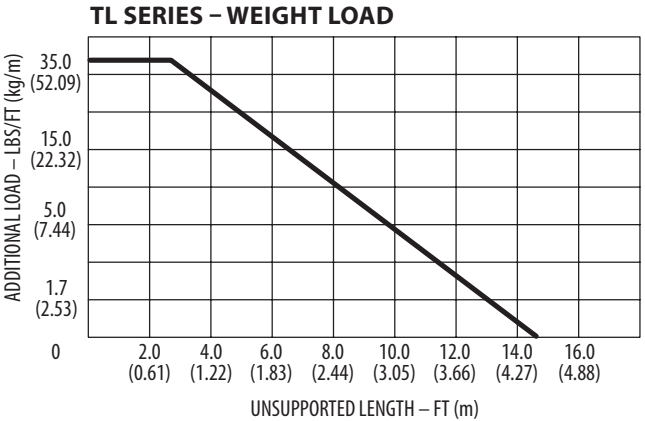
F / PS = Snap-In Molded Plastic Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
AF = Bolted Aluminum Flat Bar AFS = Snap-In Aluminum Flat Bar
PL = Plastic Lid (Enclosed-Style Carrier) AP = Aluminum Armor Plate (Enclosed-Style Carrier)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
160*	5.81 (148)	15.75 (400)	14.50 (368)	28.25 (718)
200	7.94 (202)	20.00 (508)	16.70 (424)	35.25 (895)
237	9.81 (249)	23.75 (603)	18.50 (470)	41.00 (1041)
275	11.75 (298)	27.63 (702)	20.50 (521)	47.00 (1194)
350	15.63 (397)	35.38 (899)	24.40 (620)	59.00 (1499)
415	18.94 (481)	42.00 (1067)	27.70 (704)	69.50 (1765)
525	24.69 (627)	53.50 (1359)	33.40 (848)	87.50 (2223)

*The following options are not available with the 160 curve height: modular sliders, aluminum armor plates, plastic lids.

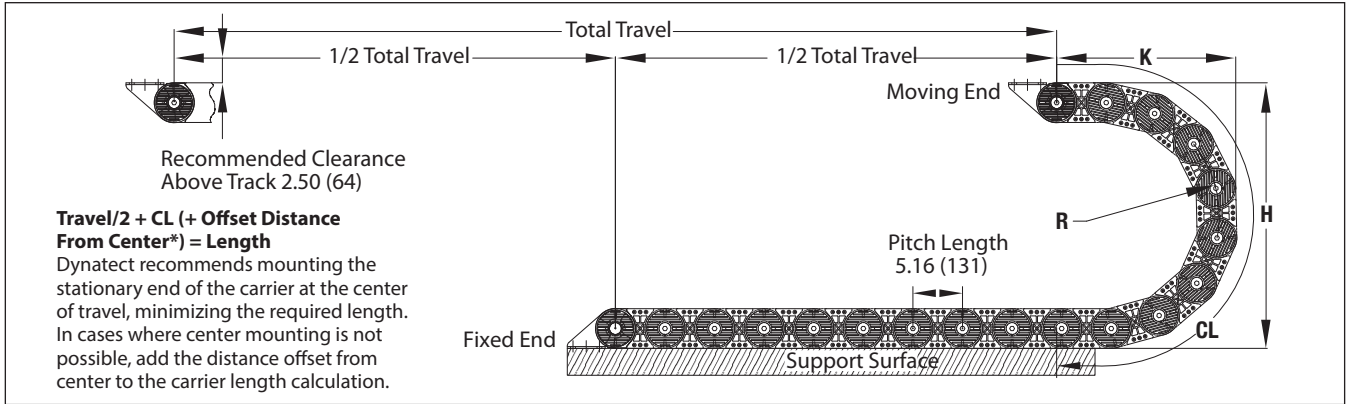
MODULAR LOW-FRICTION SLIDERS

Modular sliders are often used in long travel applications in which chain bands glide on each other. Sliders are manufactured from special plastic material that is wear-resistant and provides a low coefficient of friction. Not only do they reduce tow force and wear, but they are removable and easy to replace. When adding sliders to TL Series, add 0.20" (5 mm) to overall track width ('C' dimension).

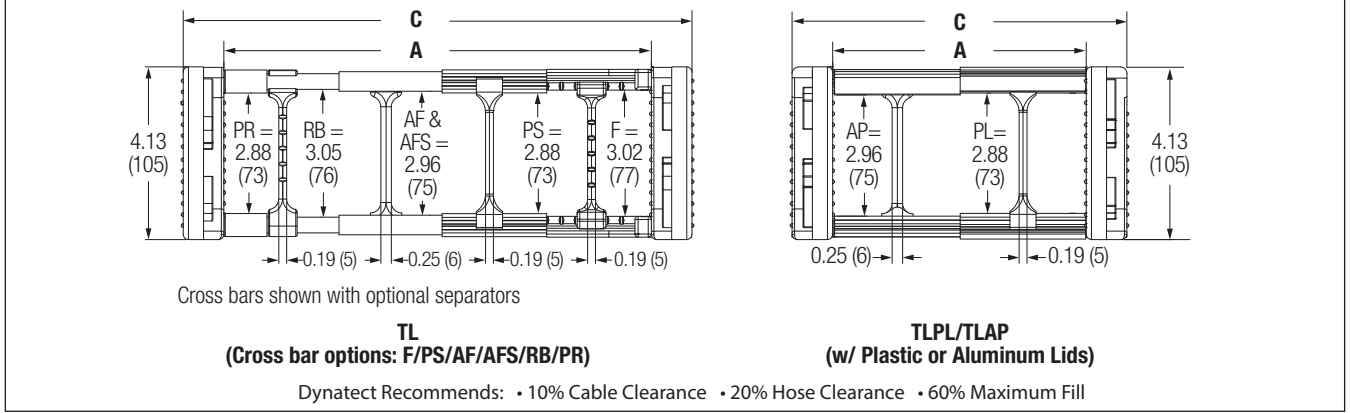


TL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

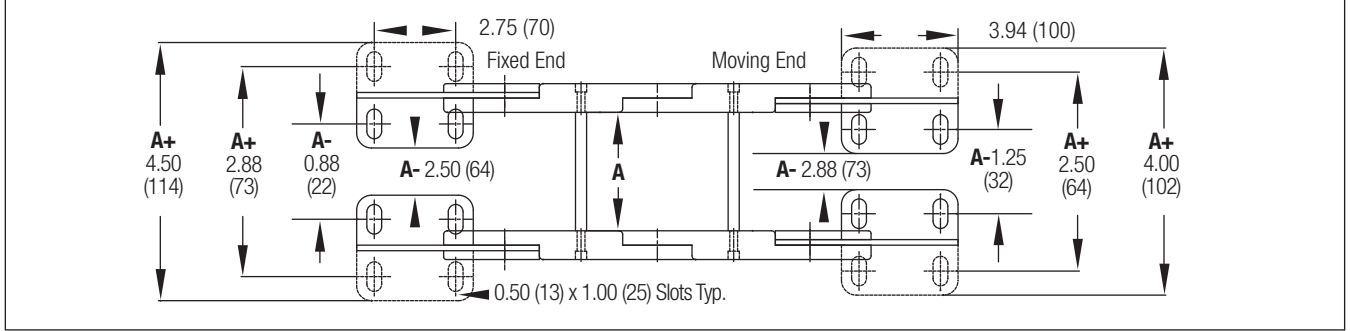
CARRIER SIDE VIEW



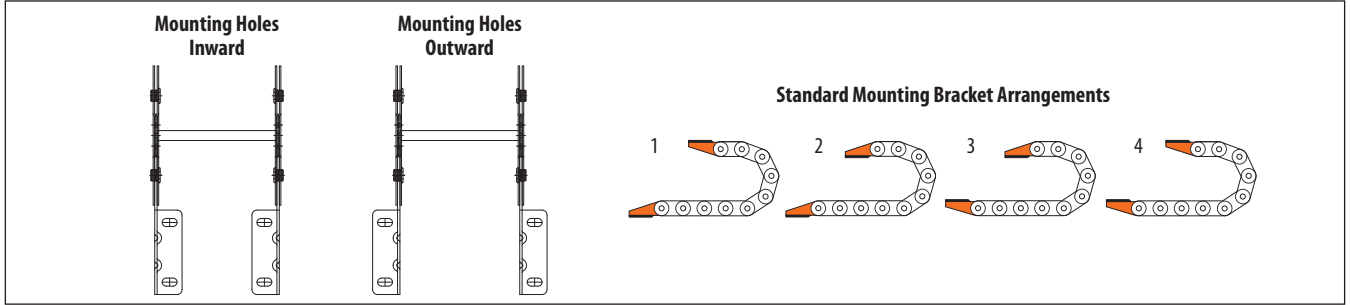
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



NYL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)



Specify part number with dashes Example: NXL-PR-5.00-375-1-120-#2 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	NXL	PR	5.00"	375	1	120"	#2 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

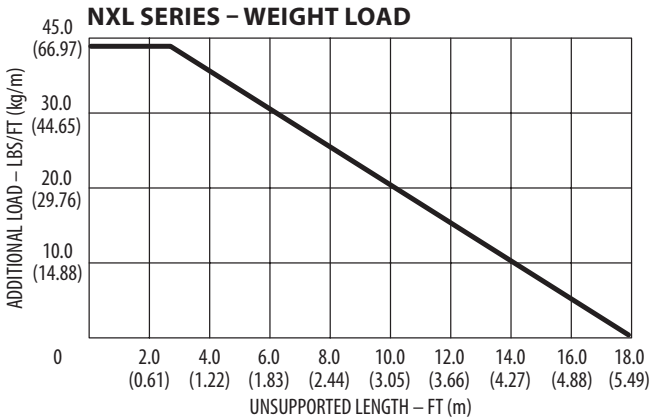
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
NXL-CC/AF/PR/RB	Customer Specified	A + 2.50 (64)	6.34 (9.43)
NXL-AP	Customer Specified	A + 2.50 (64)	10.40 (—)

Crossbar Styles:

AF = Bolted Aluminum Flat Bar RB = Bolted Aluminum Round Bar
PR = Poly Roller over Bolted Aluminum Round Bar AP = Aluminum Armor Plate (Enclosed-Style Carrier)

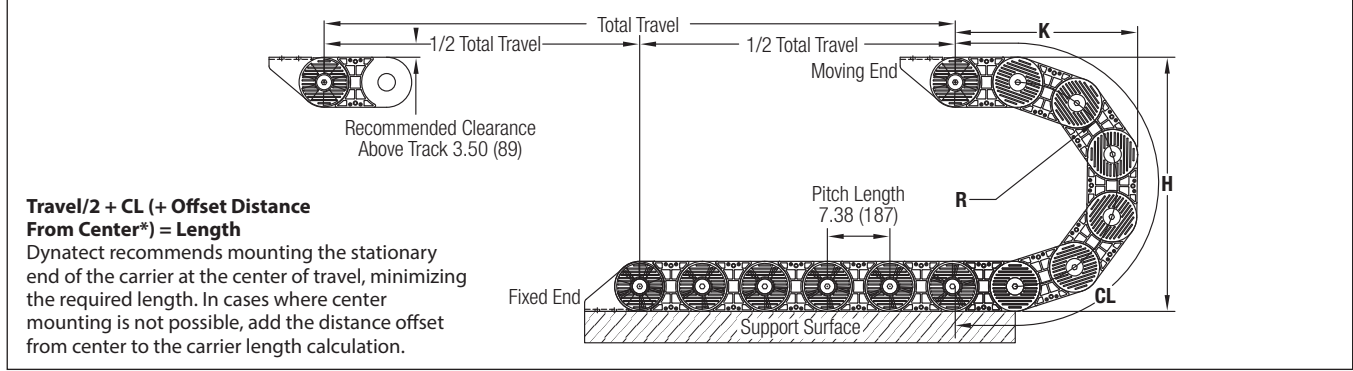
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
240*	9.05 (230)	24.00 (610)	19.50 (495)	43.00 (1092)
270*	10.42 (265)	26.75 (679)	21.00 (533)	47.50 (1207)
300	12.05 (306)	30.00 (762)	22.50 (572)	52.50 (1334)
375	15.80 (401)	37.50 (953)	26.50 (673)	64.50 (1638)
410	17.55 (446)	41.00 (1041)	28.00 (711)	70.00 (1778)
450	19.55 (497)	45.00 (1143)	30.00 (762)	76.00 (1930)
600	27.05 (687)	60.00 (1524)	37.50 (953)	100.00 (2540)

*Aluminum armor plates are not available on 240 and 270 height.

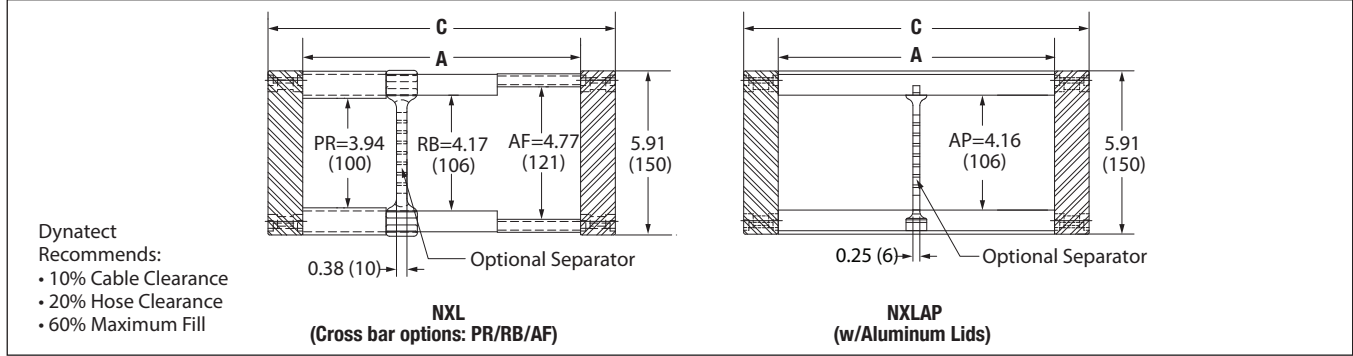


NYL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

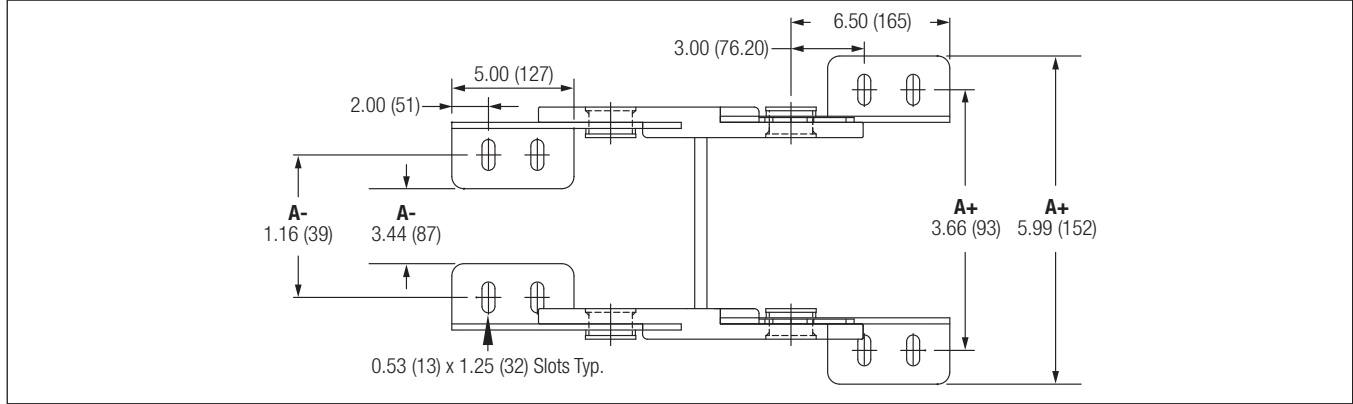
CARRIER SIDE VIEW



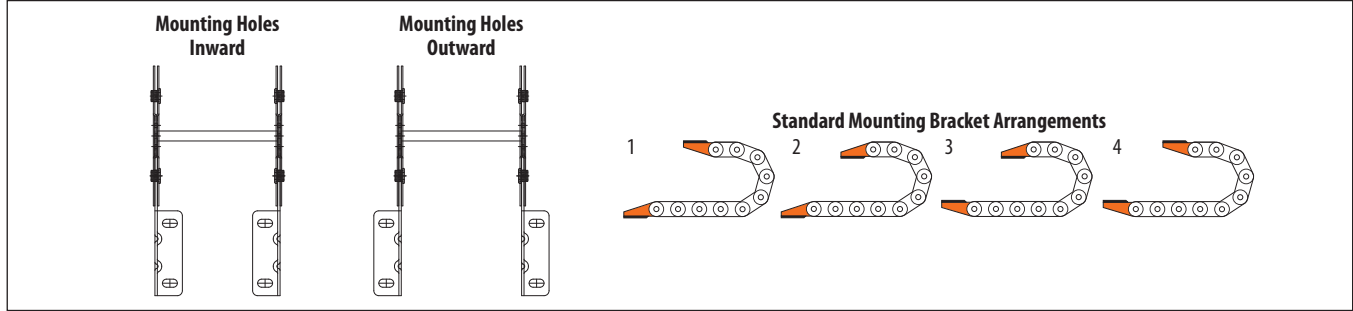
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



KOE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)



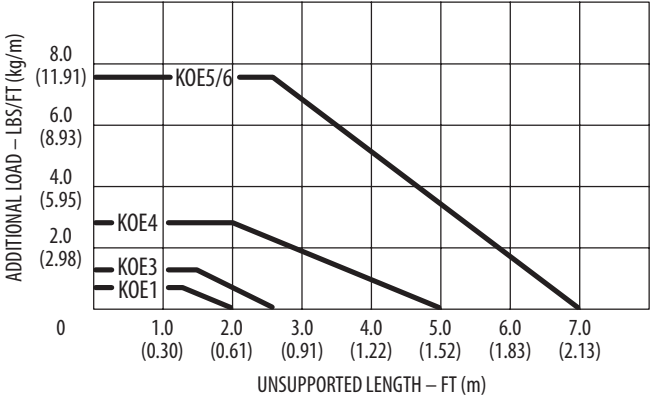
Specify part number with dashes Example: KOE1-30-12	Model	Height	Length
	KOE1	30	12"

SPECIFICATIONS

MODEL NO.	A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	Q inches (mm)	M inches (mm)	WEIGHT lb/ft (kg/m)
KOE1	0.95 (24)	0.39 (10)	1.42 (36)	0.59 (15)	1.18 (30)	0.16 (4)	0.19 (0.28)
KOE3	1.34 (34)	0.83 (21)	1.97 (50)	1.18 (30)	1.60 (41)	0.19 (5)	0.44 (0.65)
KOE4	1.89 (48)	1.18 (30)	2.44 (62)	1.58 (40.13)	2.13 (54)	0.19 (5)	0.61 (0.91)
KOE5	1.89 (48)	1.50 (38)	2.56 (65)	1.97 (50)	2.17 (55)	0.23 (6)	0.87 (1.29)
KOE6	5.28 (134)	1.50 (38)	5.91 (150)	1.97 (50)	5.51 (140)	0.23 (6)	1.28 (1.90)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
KOE1 - 30	1.18 (30)	3.00 (76)	2.20 (56)	5.10 (130)
KOE1 - 45	1.97 (50)	4.50 (114)	3.00 (76)	7.60 (193)
KOE3 - 60	2.36 (60)	5.90 (150)	3.80 (96)	10.20 (259)
KOE3 - 90	2.95 (75)	9.10 (231)	4.90 (124)	12.00 (305)
KOE3 - 130	3.94 (100)	13.00 (330)	5.90 (150)	15.10 (384)
KOE4 - 75	2.95 (75)	7.50 (191)	5.50 (140)	12.80 (325)
KOE4 - 95	3.94 (100)	9.50 (241)	6.50 (165)	15.90 (404)
KOE4 - 130	5.91 (150)	13.40 (340)	8.50 (216)	22.10 (561)
KOE5 - 10	3.94 (100)	9.90 (251)	7.10 (180)	16.70 (424)
KOE5 - 14	5.91 (150)	13.80 (351)	9.10 (231)	22.90 (582)
KOE6 - 10	3.94 (100)	9.90 (251)	7.10 (180)	16.70 (424)
KOE6 - 14	5.91 (150)	13.80 (351)	9.10 (231)	22.90 (582)

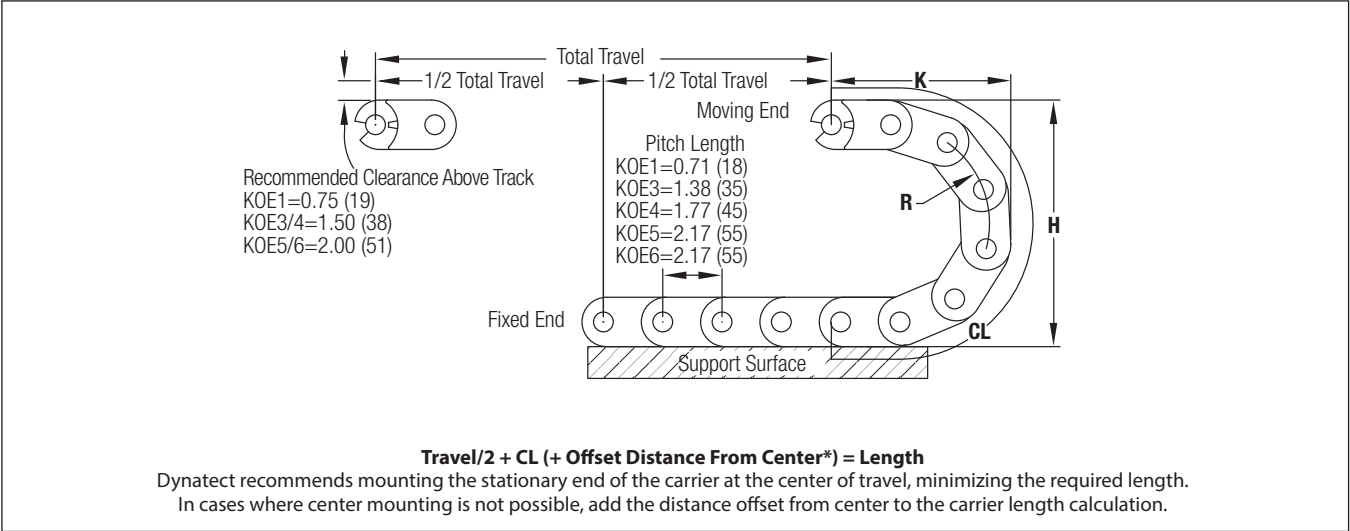
KOE SERIES – WEIGHT LOAD



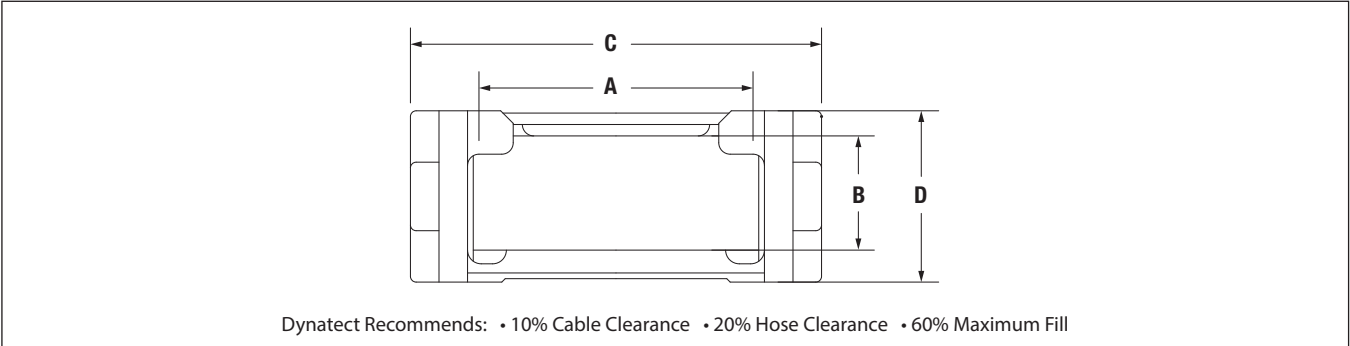
KOE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

CARRIER SIDE VIEW

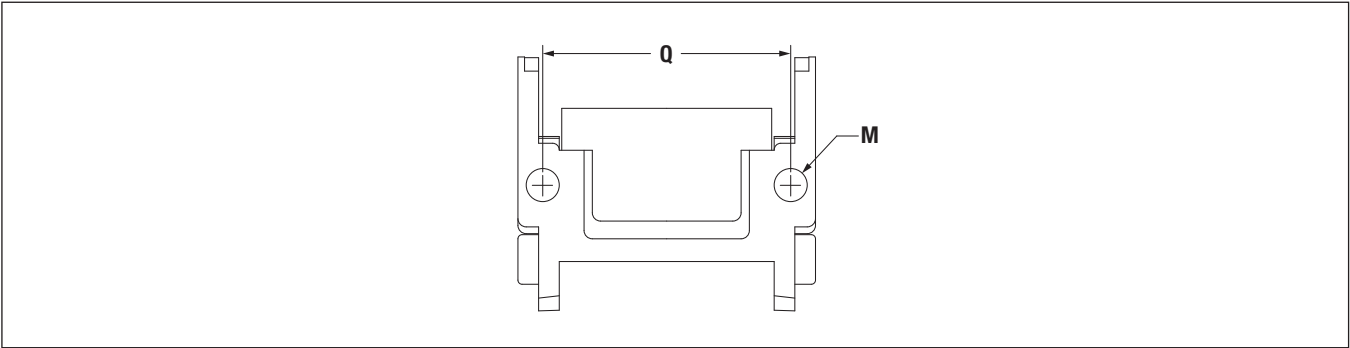
Dimensions in inches (mm)



CARRIER CROSS SECTION



TOP VIEW: MOUNTING HOLE DIMENSIONS



N SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

Specify part number with dashes Example: N4-10-30-A/B	Model	Height	Length	Flange Arrangement*
	N4	10	30"	A/B

*Specify for each: fixed end/moving end.

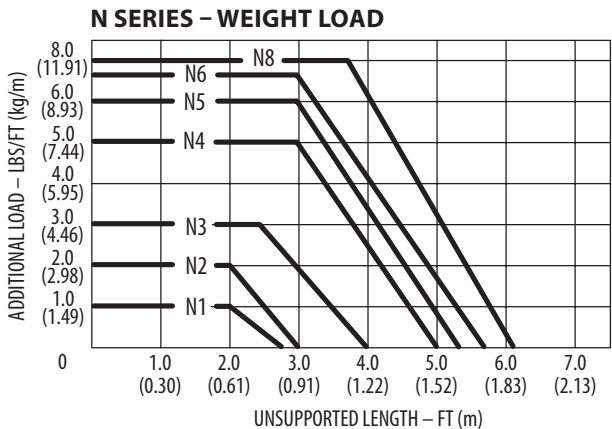
SPECIFICATIONS

MODEL NO.	A inches (mm)	A1 inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	WEIGHT lb/ft (kg/m)
N1	0.90 (23)	—	0.90 (23)	1.38 (35)	1.38 (35)	0.50 (0.74)
N2	1.34 (34)	—	0.90 (23)	1.97 (50)	1.38 (35)	0.60 (0.89)
N3-D*	2.48 (63)	1.18 (30)	0.90 (23)	2.95 (75)	1.38 (35)	0.80 (1.19)
N4	1.42 (36)	—	1.34 (34)	1.97 (50)	1.97 (50)	0.80 (1.19)
N5	3.39 (86)	—	1.34 (34)	3.94 (100)	1.97 (50)	1.20 (1.79)
N5-D*	3.39 (86)	1.63 (41)	1.34 (34)	3.94 (100)	1.97 (50)	1.20 (1.79)
N6-D*	5.35 (136)	2.62 (67)	1.34 (34)	5.91 (150)	1.97 (50)	1.70 (2.53)
N8	5.28 (134)	—	2.24 (57)	5.91 (150)	2.95 (75)	2.20 (3.27)

*Designates divided carrier.

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
N1 - 8	3.30 (84)	8.00 (203)	5.40 (137)	13.20 (335)
N1 - 13	5.91 (150)	13.20 (335)	8.00 (203)	21.30 (541)
N2 - 8	3.30 (84)	8.00 (203)	5.40 (137)	13.20 (335)
N2 - 13	5.91 (150)	13.20 (335)	8.00 (203)	21.30 (541)
N3 - 8D*	3.30 (84)	8.00 (203)	5.40 (137)	13.20 (335)
N3 - 13D*	5.91 (150)	13.20 (335)	8.00 (203)	21.30 (541)
N4 - 10	3.94 (100)	9.80 (249)	7.00 (178)	16.30 (414)
N4 - 18	7.87 (200)	17.70 (450)	10.70 (272)	28.70 (729)
N5 - 10	3.94 (100)	9.80 (249)	7.00 (178)	16.30 (414)
N5 - 10D*	3.94 (100)	9.80 (249)	7.00 (178)	16.30 (414)
N5 - 18	7.87 (200)	17.70 (450)	10.70 (272)	28.70 (729)
N5 - 18D*	7.87 (200)	17.70 (450)	10.70 (272)	28.70 (729)
N6 - 10D*	3.94 (100)	9.80 (249)	7.00 (178)	16.30 (414)
N6 - 18D*	7.87 (200)	17.70 (450)	10.70 (272)	28.70 (729)
N8 - 15	5.91 (150)	14.80 (376)	10.00 (254)	23.70 (602)
N8 - 27	11.81 (300)	26.60 (676)	15.90 (404)	42.20 (1072)

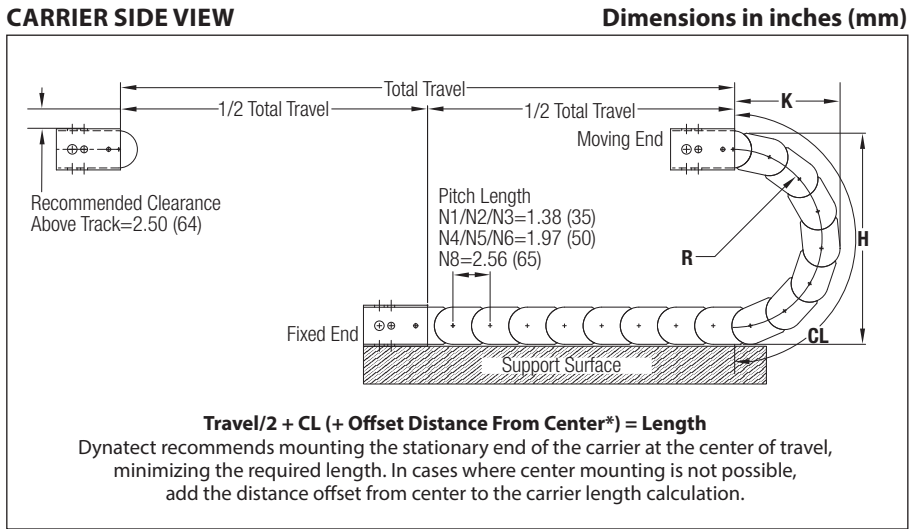
*Designates divided carrier.



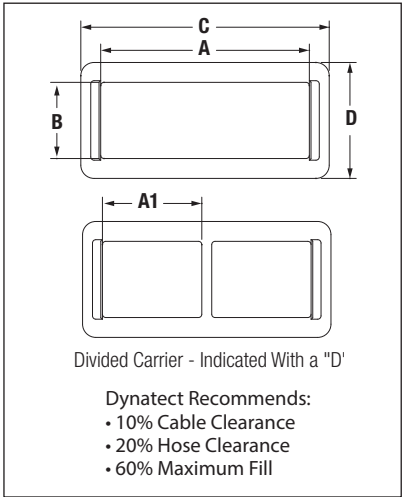
N3-8 with End Flanges: Type B/Type A

N SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

CARRIER SIDE VIEW



CARRIER CROSS SECTION



MOUNTING FLANGE OPTIONS

Standard Flange					
Type A Flange					
Type B Flange					
FLANGE TYPE/ MODEL	C1 inches (mm)	D1 inches (mm)	Q inches (mm)	T inches (mm)	S inches (mm)
Standard / N1	1.59 (40)	1.54 (39)	1 hole	—	—
Standard / N2	2.13 (54)	1.54 (39)	0.79 (20)	—	—
Standard / N3	3.11 (79)	1.54 (39)	1.77 (45)	—	—
Standard / N4	2.13 (54)	2.13 (54)	0.79 (20)	—	—
Standard / N5	4.09 (104)	2.13 (54)	2.76 (70)	—	—
Standard / N6	6.06 (154)	2.13 (54)	4.72 (120)	—	—
Standard / N8	6.06 (154)	3.11 (79)	4.72 (120)	—	—
Type A / N1	1.59 (40)	1.54 (39)	1 hole	2.49 (63)	3.18 (81)
Type A / N2	2.13 (54)	1.54 (39)	0.79 (20)	2.49 (63)	3.18 (81)
Type A / N3	3.11 (79)	1.54 (39)	1.77 (45)	2.49 (63)	3.18 (81)
Type A / N4	2.13 (54)	2.13 (54)	0.79 (20)	3.09 (79)	3.78 (96)
Type A / N5	4.09 (104)	2.13 (54)	2.76 (70)	3.14 (80)	3.83 (97)
Type A / N6	6.06 (154)	2.13 (54)	4.72 (120)	3.14 (80)	3.77 (96)
Type A / N8	6.06 (154)	3.11 (79)	4.72 (120)	4.07 (103)	4.76 (121)
Type B / N1	1.59 (40)	1.54 (39)	2.49 (63)	—	3.18 (81)
Type B / N2	2.13 (54)	1.54 (39)	3.12 (79)	—	3.81 (97)
Type B / N3	3.11 (79)	1.54 (39)	4.14 (105)	—	4.83 (123)
Type B / N4	2.13 (54)	2.13 (54)	3.09 (78)	—	3.78 (96)
Type B / N5	4.09 (104)	2.13 (54)	5.09 (129)	—	5.78 (147)
Type B / N6	6.06 (154)	2.13 (54)	7.04 (179)	—	7.73 (196)
Type B / N8	6.06 (154)	3.11 (79)	7.05 (179)	—	7.71 (196)

KLE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)



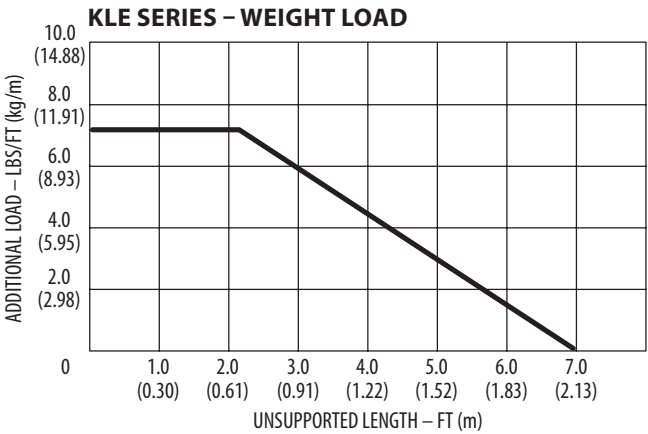
Specify part number with dashes Example: KLE1-10-36-STD/A	Model	Height	Length	Flange Arrangement*
	KLE1	10	36"	STD/A

*Specify for each: fixed end/moving end.

SPECIFICATIONS

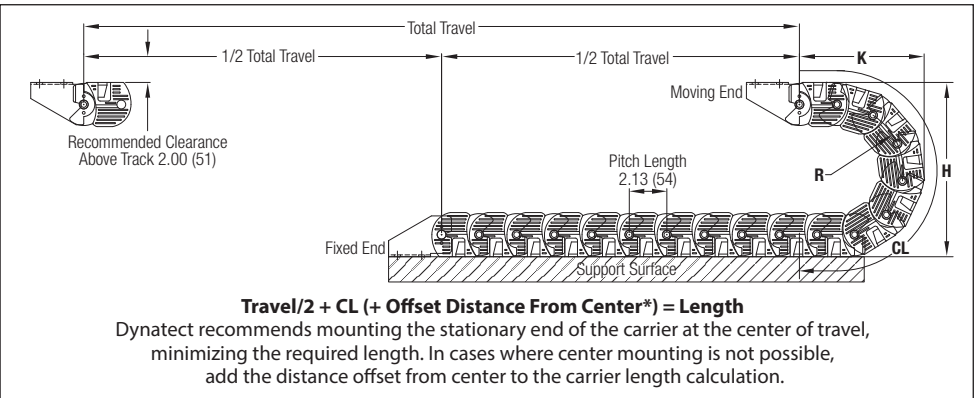
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
KLE1	3.00 (76)	3.75 (95)	1.25 (1.86)
KLE2	4.50 (114)	5.25 (133)	1.88 (2.80)
KLE3	7.00 (178)	7.75 (197)	2.92 (4.34)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
10	3.75 (95)	10.00 (254)	7.13 (181)	14.88 (378)
12	4.75 (121)	12.00 (305)	8.13 (207)	19.13 (486)
14	5.75 (146)	14.00 (356)	9.13 (232)	21.25 (540)
18	7.75 (197)	18.00 (457)	11.13 (283)	27.63 (702)
26	11.75 (298)	26.00 (660)	15.13 (384)	40.38 (1026)



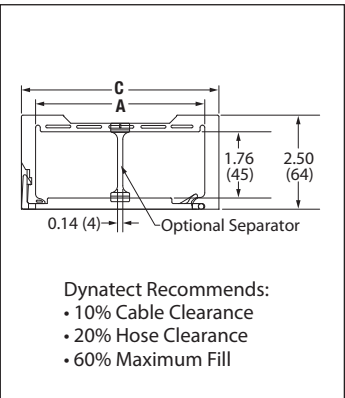
KLE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

CARRIER SIDE VIEW



Dimensions in inches (mm)

CARRIER CROSS SECTION



MOUNTING FLANGE OPTIONS

FLANGE DIMENSIONS	Q inches (mm)	C1 inches (mm)	C2 inches (mm)	F1* inches (mm)	G1* inches (mm)	F2* inches (mm)	G2* inches (mm)
KLE1	1.19 (30)	3.58 (91)	3.38 (86)	4.57 (116)	5.24 (133)	4.35 (110)	5.04 (128)
KLE2	1.97 (50)	5.05 (128)	4.88 (124)	6.02 (153)	6.71 (170)	5.85 (149)	6.54 (166)
KLE3	3.94 (100)	7.58 (192)	7.38 (178)	8.55 (217)	9.24 (235)	8.35 (212)	9.04 (230)

*Dimensions for optional Type B Flange with "ears".

GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS

Gortrac steel carriers are ideal for unique and challenging applications, elevated operating temperatures, and maximum unsupported spans. As the industry leader in metal carrier innovation, Dynatect offers constructions suitable for both heavy “mill-duty” operation, as well as surprisingly lightweight designs without compromising strength.

- Excellent load-bearing and unsupported travel capability (depending on carrier load)
- Longer travels can be achieved with Gortrac Long Travel Support Systems (pages 102-105)
- Unique, patented link designs reduce parts and simplify construction while providing the strongest carriers, at lighter weights, relative to size
- Manufactured from plated or stainless steel – our zinc dichromate plating process offers 70% better corrosion resistance than standard zinc plating

- Open-style, self-cleaning designs allow dirt and debris to be expelled from the carrier, and leave cables/hoses open to regular inspection
- Enclosed-style designs (with bolted aluminum lid armor plates) protect cables/hoses from heavy abrasive and hot chip loads
- Typical applications: mobile construction equipment, cranes, manlifts, aerial work platforms, mill and foundry duty heavy machinery, paper converting equipment, and refining equipment
- Standard pin and snap ring construction of SX, SRC, LRC, XL and XX Series allows adjustment of length with a snap ring tool. Snap ring kits for GX and MRC carriers are available upon request for length modification or repair.



SA SERIES

Features:

- Standard construction: stainless steel link with double locking points and integral flat crossbars
- Custom option: zinc-dichromate plated steel
- Unique one-piece link design results in surprisingly lightweight carrier
- Integral flat crossbars provide added strength

- Self-cleaning link design expels debris from critical areas of the link during operation
- Small curve height

Quick Sizing Reference – inches (mm):

- Link Height: 1.00 (25)
- Link Pitch: 1.25 (32)
- Curve Height (‘H’): 3.50 (89)



SB/SC SERIES

Features:

- Standard construction: stainless steel sidebands with round aluminum crossbars
- Custom option: zinc-dichromate plated stainless steel sidebands
- Lightweight carrier provides unsupported spans superior to plastic
- Unlimited cavity width flexibility

Crossbar Option:

- PVC Poly rollers

Quick Sizing Reference – inches (mm):**SB Series**

- Link Height: 1.38 (35)
- Link Pitch: 2.00 (51)
- Curve Height (‘H’): 5.50 (140)

Quick Sizing Reference – inches (mm):**SC Series**

- Link Height: 2.00 (51)
- Link Pitch: 2.40 (61)
- Curve Heights (‘H’): 7.50 – 13.25 (191 – 337)

GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS



MRC SERIES

Features:

- Standard construction: zinc-dichromate plated steel sidebands with round aluminum crossbars
- Patented half shear lockout link system simplifies construction by reducing parts
- Unlimited cavity width flexibility
- Non-essential center portions of the link that are not exposed to strain have been removed to further reduce weight

Crossbar Options:

- Bolted aluminum flat bar
- PVC poly rollers
- Easy-out aluminum round bar

Quick Sizing Reference – inches (mm):

- Link Height: 2.00 (51)
- Link Pitch: 3.00 (76)
- Curve Heights (‘H’): 7.50 – 17.00 (191 – 432)



GX SERIES

Features:

- Standard construction: zinc-dichromate plated steel link with double locking points and integral flat crossbars alternating top/bottom every other link
- Unique, one-piece link design results in surprisingly lightweight carrier
- Integral flat crossbars provide added strength
- Priced competitively with plastic systems but significantly stronger and longer unsupported span
- Patented half shear lockout system simplifies construction and reduces parts

Crossbar Options:

- Bolted aluminum round bars
- PVC poly rollers

Quick Sizing Reference – inches (mm):

- Link Height: 2.00 (51)
- Link Pitch: 2.50 (64)
- Curve Heights (‘H’): 6.00 – 13.25 (152 – 337)



SX SERIES

Features:

- Standard construction: zinc-dichromate plated steel sidebands with two locking points and round aluminum crossbars
- Self-cleaning link design expels debris from critical areas of the link during operation
- Unlimited cavity width flexibility

Crossbar Options:

- Bolted aluminum flat bar
- Snap-in aluminum flat bar
- PVC poly rollers
- Easy-out aluminum round bar

Quick Sizing Reference – inches (mm):

- Link Height: 3.20 (81)
- Link Pitch: 4.00 (102)
- Curve Heights (‘H’): 10.13 – 27.31 (257 – 694)

GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS



SRC SERIES

Features:

- Standard construction: zinc-dichromate plated steel sidebands with flat aluminum crossbars
- Custom option: stainless steel
- Patented half shear lockout link system simplifies construction by reducing parts
- Unlimited cavity width flexibility
- Non-essential center portions of the link that are not exposed to strain have been removed to further reduce weight
- Available as enclosed-style carrier with bolted aluminum armor plates (side bands are provided without openings)

Crossbar Options:

- Bolted aluminum flat bar
- Bolted aluminum round bar
- PVC Poly rollers
- Easy-out aluminum round bar
- Custom-machined cable/hose bar

Lid Option:

- Bolted aluminum armor plate

Quick Sizing Reference – inches (mm):

- Link Height: 3.00 (76)
- Link Pitch: 4.00 (102)
- Curve Heights ('H'): 11.00 – 27.50 (279 – 699)



LRC SERIES

Features:

- Standard construction: zinc-dichromate plated steel sidebands with flat aluminum crossbars
- Custom option: stainless steel
- Patented half shear lockout link system simplifies construction by reducing parts
- Unlimited cavity width flexibility
- Non-essential center portions of the link that are not exposed to strain have been removed to further reduce weight
- Available as enclosed-style carrier with bolted aluminum armor plates (side bands are provided without openings)

Crossbar Options:

- Bolted aluminum flat bar
- Bolted aluminum round bar
- PVC Poly rollers
- Easy-out aluminum round bar
- Custom-machined cable/hose bar

Lid Option:

- Bolted aluminum armor plate

Quick Sizing Reference – inches (mm):

- Link Height: 4.00 (102)
- Link Pitch: 5.00 (127)
- Curve Heights ('H'): 15.00 – 52.50 (381 – 1334)

GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS



XL SERIES

Features:

- Standard construction: zinc-dichromate plated steel sidebands with 4 locking points and round aluminum crossbars
- Custom option: stainless steel; heavy "mill-duty" construction
- Unlimited cavity width flexibility
- Available as enclosed-style carrier with bolted aluminum armor plates (XL6)

Crossbar Options:

- Bolted aluminum round bar
- Bolted aluminum flat bar
- PVC Poly rollers
- Custom machined cable/hose bar
- Custom formed steel channel flat bar

Lid Option (XL6 Models):

- Bolted aluminum armor plate

Quick Sizing Reference – inches (mm): XL6

- Link Height: 5.91 (150)
- Link Pitch: 7.38 (188)
- Curve Heights ('H'): 26.00 – 65.00 (660 – 1651)

Quick Sizing Reference – inches (mm): XL8

- Link Height: 7.87 (200)
- Link Pitch: 9.33 (237)
- Curve Heights ('H'): 29.00 – 80.00 (737 – 2032)

Quick Sizing Reference – inches (mm): XL10

- Link Height: 9.84 (250)
- Link Pitch: 11.67 (296)
- Curve Heights ('H'): 48.00 – 80.00 (1219 – 2032)



XX SERIES **NEW!**

Features:

- Standard construction: zinc-dichromate plated steel sidebands with 3 locking points and round aluminum crossbars
- Self-cleaning link design expels debris from critical areas of the link during operation
- Unlimited cavity width flexibility

Crossbar Options:

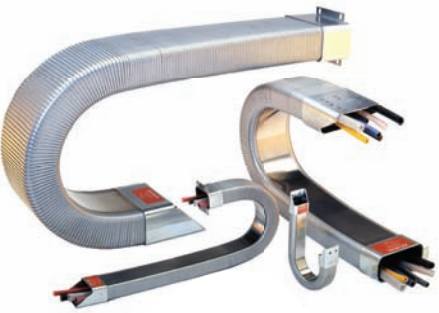
- Bolted aluminum round bar
- Bolted aluminum flat bar
- PVC Poly rollers
- Custom-machined cable/hose bar
- Custom formed steel channel flat bar

Quick Sizing Reference – inches (mm):

- Link Height: 6.00 (152)
- Link Pitch: 7.38 (187)
- Curve Heights ('H'): 26.00 – 60.00 (660 – 1524)

GORTUBE® STEEL | ENCLOSED-STYLE CARRIERS

Fully-enclosed Gortube carriers offer the best protection from hot and abrasive elements and liquids, and can operate at faster speeds and accelerations.



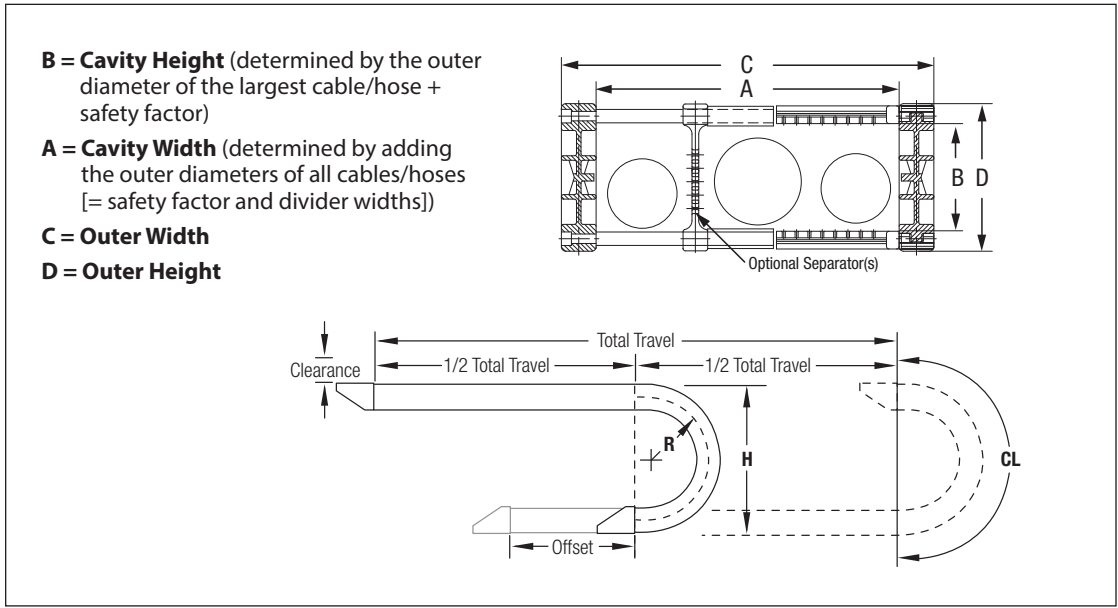
Features:

- Conduit-style galvanized steel tube fully encloses cables/hoses to resist hot chips, swarf, cutting oils and lubricants
- Smooth, low-noise operation; suitable for fast speeds and accelerations

- Construction options for high temperature, corrosive environments, or multi-axis and rotational applications
- Optional black oxide finish
- Wide range of sizes – 24 different size/radius combinations

METAL CARRIERS | QUICK SELECTION GUIDE

MODEL NO.	INNER HEIGHT Dimension B inches (mm)	INNER WIDTH RANGE Dimension A inches (mm)	OUTER HEIGHT Dimension D inches (mm)	OUTER WIDTH RANGE Dimension C inches (mm)	LINK PITCH inches (mm)	MINIMUM BENDING RADIUS Dimension R inches (mm)	MOUNTING HEIGHT RANGE Dimension H inches (mm)	MAXIMUM UNSUPPORTED SPAN feet	SEPARATORS AVAILABLE	PAGE NUMBER(S)	MODEL NO.
GORTRAC® OPEN-STYLE METAL CARRIERS											
SA	.89 (22)	Customer Specified	1.00 (25)	1.29 (33)	1.25 (32)	1.25 (32)	3.50 (89)	6.2	No	162-163	SA
SB*	.62 (16) - .75 (19)	Customer Specified	1.38 (35)	Specified Width + .50 (13)	2.00 (51)	2.06 (52)	5.50 (140)	7	✓	164-165	SB*
SC*	1.21 (31) - 1.38 (35)	Customer Specified	2.00 (51)	Specified Width + .50 (13)	2.40 (61)	2.75 (70) - 5.62 (143)	7.50 (191) - 13.25 (337)	10.5	✓	164-165	SC*
MRC*	1.08 (27) - 1.25 (32)	Customer Specified	2.00 (51)	Specified Width + .62 (16)	3.00 (76)	2.75 (70) - 7.50 (191)	7.50 (191) - 17.00 (432)	15.8	✓	166-167	MRC*
GX*	1.51 (38) - 1.70 (43)	2.25 (57) - 7.00 (178)	2.00 (51)	2.69 (68) - 7.44 (189)	2.50 (64)	2.00 (51) - 5.63 (143)	6.00 (152) - 13.25 (337)	FB 11.8 / RB 12.75	No	168-169	GX*
SX*	1.76 (45) - 2.00 (51)	Customer Specified	3.20 (81)	Specified Width + .58 (15)	4.00 (102)	3.47 (88) - 12.06 (306)	10.13 (257) - 27.31 (694)	21.25	✓	170-171	SX*
SRC*	1.76 (45) - 1.97 (50)	Customer Specified	3.00 (76)	Specified Width + .69 (18)	4.00 (102)	4.00 (102) 12.25 (311)	11.00 (279) - 27.50 (699)	21.75	✓	172-173	SRC*
LRC*	2.76 (70) - 2.97 (75)	Customer Specified	4.00 (102)	Specified Width + .69 (18)	5.00 (127)	5.50 (140) - 24.25 (616)	15.00 (381) - 52.50 (1334)	24	✓	172-173	LRC*
XL6*	3.86 (98) - 4.08 (104)	Customer Specified	5.91 (150)	Specified Width + 1.25 (32)	7.38 (188)	10.05 (255) - 29.55 (750)	26.00 (660) - 65.00 (1651)	31.5	✓	176-177	XL6*
XX6*	4.18 (106) - 4.40 (112)	Customer Specified	6.00 (152)	Specified Width + 0.81 (21)	7.38 (188)	10.00 (254) - 27.00 (686)	26.00 (660) - 60.00 (1524)	28	✓	174-175	XX6*
XL8*	5.82 (148) - 6.05 (154)	Customer Specified	7.87 (200)	Specified Width + 1.25 (32)	9.33 (237)	10.57 (268) - 36.07 (916)	29.00 (737) - 80.00 (2032)	35	✓	178-179	XL8*
XL10*	8.09 (206) - 8.32 (211)	Customer Specified	9.84 (250)	Specified Width + 1.25 (32)	11.67 (296)	19.08 (485) - 35.08 (891)	48.00 (1219) - 80.00 (2032)	40	✓	178-179	XL10*
*Multiple crossbar styles available – see specification page for options and inner height (dimension 'B').											
GORTRAC ENCLOSED-STYLE METAL CARRIERS											
SRC-AP (Aluminum Armor Plate)	1.76 (45)	Customer Specified	3.00 (76)	Specified Width + .69 (18)	4.00 (102)	5.25 (133) - 12.25 (311)	13.50 (343) - 27.50 (699)	21.25 ft	✓	172-173	SRC-AP (Aluminum Armor Plate)
LRC-AP (Aluminum Armor Plate)	2.76 (70)	Customer Specified	4.00 (102)	Specified Width + .69 (18)	5.00 (127)	8.00 (203) - 24.25 (616)	20.00 (508) - 52.50 (1334)	24 ft	✓	172-173	LRC-AP (Aluminum Armor Plate)
XL6-AP (Aluminum Armor Plate)	4.17 (106)	Customer Specified	5.91 (150)	Specified Width + 1.25 (32)	7.38 (188)	15.80 (401) - 29.55 (750)	37.50 (953) - 65.00 (1651)	31.5 ft	✓	176-177	XL6-AP (Aluminum Armor Plate)
GORTUBE® ENCLOSED-STYLE METAL CARRIERS											
Gortube (Various)	.62 (16) - 4.02 (102)	.90 (23) - 8.35 (121)	.79 (20) - 4.33 (110)	1.18 (30) - 8.66 (220)	n/a	1.80 (46) - 13.80 (351)	4.40 (112) - 30.70 (780)	Varies	No	180-183	Gortube (Various)



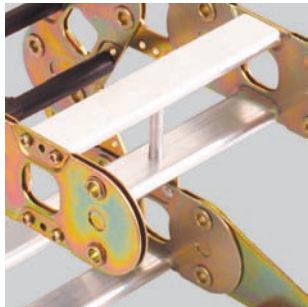
CONSTRUCTION	STANDARD OPERATING TEMPERATURES	
	MINIMUM	MAXIMUM
Glass-filled nylon	-40°F (-40°C)	250°F (121°C)
Plated steel	-40°F (-40°C)	140°F (160°C)
All stainless steel	-40°F (-40°C)	617°F (325°C)
Stainless steel with aluminum crossbars	-13°F (-25°C)	482°F (250°C)
Stainless steel with nylon components	-40°F (-40°C)	250°F (121°C)
Plated steel with nylon components	-40°F (-40°C)	140°F (60°C)
Gortube	32°F (0°C)	212°F (100°C)

Visit [Dynatect.com](https://www.dynatect.com) for 2D and 3D drawings.

CROSSBARS, WINDOW EXTENDERS, ARMOR PLATES



Aluminum round bar



Bolted aluminum flat bar

ALUMINUM CROSSBARS

- Excellent low-friction, high-strength alternative to standard plastic bars
- Provided in customer-specified cavity widths
- Bolt-in flat bar design offers maximum torsional stability
- Snap-in flat bar design allows quick cavity access
- Available on SX, SRC, LRC, XX and XL Series



PVC Poly Roller over bolted aluminum round bar



Bolted separator with PVC Poly Roller

PVC POLY ROLLERS

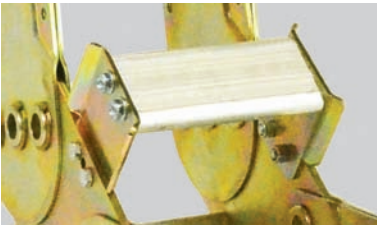
- Provide a low-friction, mechanical wear surface ideal for hoses and soft-jacketed cables
- Can be added to crossbars, vertical separators or horizontal dividers using round bars
- Available on any carrier utilizing aluminum round bars

CROSSBARS, WINDOW EXTENDERS, ARMOR PLATES



E-Z OUT CROSSBARS

- Boltless, snap-out removal system using innovative spring-loaded pin design
- Offers quick interior accessibility
- Works with aluminum round bars
- Poly rollers can be incorporated for lower wear requirements
- Available on MRC, SX, SRC and LRC Series carriers



WINDOW EXTENDERS

- Provide extra interior space in many standard link sizes
- Available in both standard and custom configuration
- Utilize various crossbar styles (flat, round, poly rollers and custom formed)
- Can be easily added to most carriers



ARMOR PLATE STYLE ALUMINUM LIDS

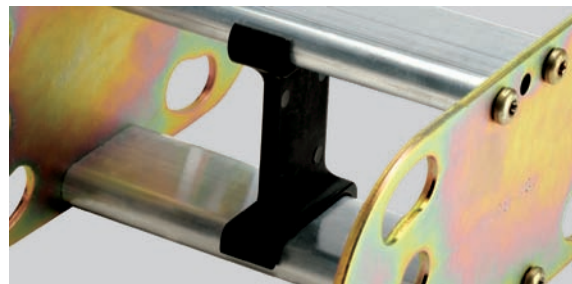
- Offer maximum protection against hot chips and heavy debris
- Ideal for severe and challenging applications (e.g., machine tools, mills, foundries)

SEPARATORS, CABLE/HOSE SLEEVES, MACHINED CABLE/HOSE BARS



CAVITY SEPARATION

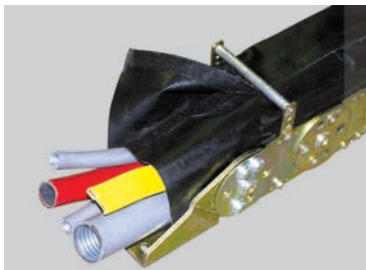
In applications with multiple cables and hoses, cavity separation is a simple, cost-effective method for preventing wear and entanglement. To achieve optimal separation, it is important that each individual compartment be less than twice the height of the cables/hoses inside. This will prevent them from crossing over each other and twisting. Proper separation reduces jacket wear and the potential for cables to corkscrew. Cavity separation can be achieved with simple, snap in vertical separators, or through a more sophisticated horizontal divider or shelving system that will optimize cavity space. The Dynatect Engineering Department can design a cavity separation system that is ideal for your specific application.



VERTICAL SEPARATORS

- Provide multiple compartments within a single link*
- Snap or bolt into carrier crossbars
- Available variety of styles, including stationary and rolling designs
- Can be installed every link, or staggered for economy
- Available on most carriers

*When sizing compartments, Dynatect recommends a safety factor of an additional 10% for cables and 20% for hoses.



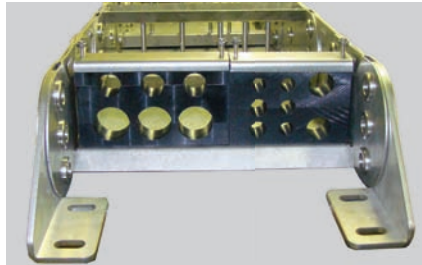
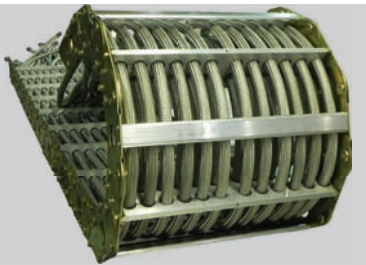
CABLE/HOSE SLEEVES

- Simple, reliable and cost-effective method to protect dynamic cables and hoses, either in a carrier or by themselves
- Available with zipper, or hook and loop fasteners
- Wide variety of materials for diverse application requirements
- Provides protection from elements (ozone, heat and liquids)
- Increases machine operator protection
- Applications: Hydraulic hose containment, protection of highly sensitive cables, electrical noise interference, aesthetic enhancement



MACHINED CABLE/HOSE BARS

- Optimal placement – ensures each cable/hose rides neutral axis of carrier
- Minimal wear – prolongs jacket and conductor life of cables/hoses
- Available in aluminum (pictured) or plastic block-style crossbars
- Custom-bored to specific cable/hose diameters



CABLE/HOSE CLAMPS, BRACKET OPTIONS



Custom UHMW Clamp

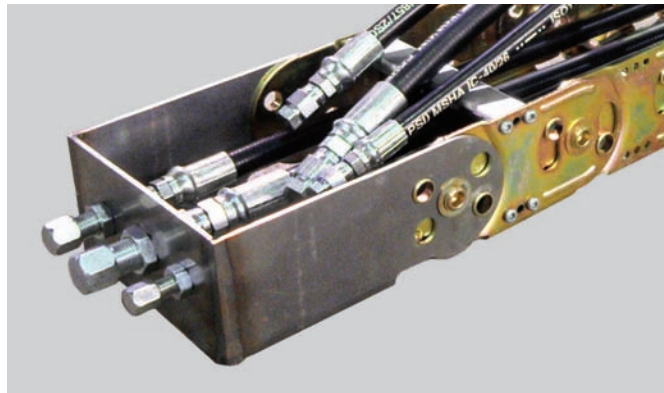


Gortrac Rail Clamping System

CABLE/HOSE CLAMPS

- Extend cable/hose life - relieves strain
- Standard and custom designs available
- Fast and simple installation in virtually any application
- High pressure hose clamping requirements can be accommodated
- Gortrac Rail Clamping System
- Custom UHMW clamps available

See pages 96-97 for more information and specifications.

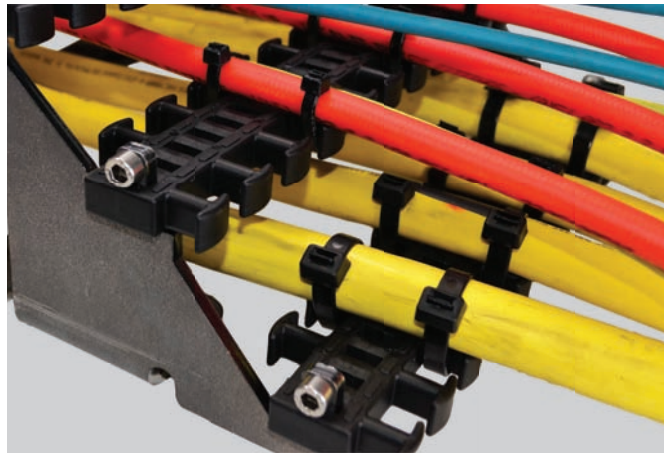


Custom mounting bracket with integrated bulk-head plate

MOUNTING OPTIONS

In addition to standard brackets, Dynatect offers other styles of brackets and options to simplify installation.

- Custom mounting brackets can be provided for drop-in replacement on all carrier brands
- Universal brackets are available
- Brackets with zip tie bars can be added to SRC, LRC, SX and XL6 Series models (see below)



ZIP TIE MOUNTING BAR

- Zip tie bars integrated into mounting brackets
- Tiered structure for easy access
- Easily removable clamping bars
- Double rows of large fingers hold more zip ties
- Anti-slip ridges on bar prevent cable slippage
- Available on SRC, LRC, SX and XL6 Series carriers

SA SERIES | GORTRAC® STEEL (open-style carriers)



NEW – SMALLEST STEEL CARRIER CURVE HEIGHT OF ONLY 3.5 INCHES (89mm)!

Key Features:

- Great for small O.D. wire management in high temperature applications such as thermal couple wires
- Self-cleaning link design expels debris from critical areas of the link during operation
- Standard construction is stainless steel. (Plated steel can be custom ordered)

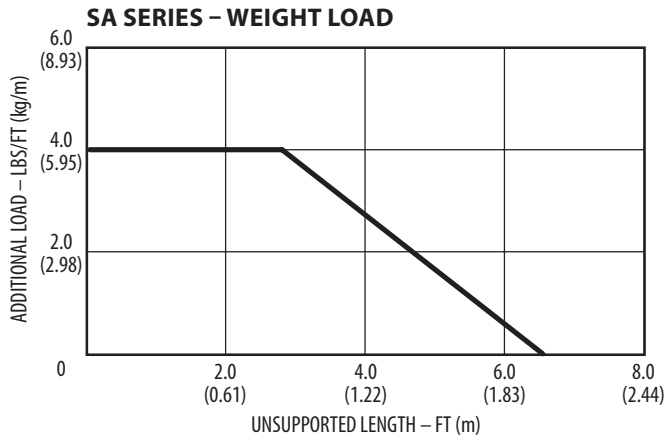
Specify part number with dashes	Model	Height	Length	Bracket Arrangement*
Example: SA1-35-15-#1 IN	SA1	35	15"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

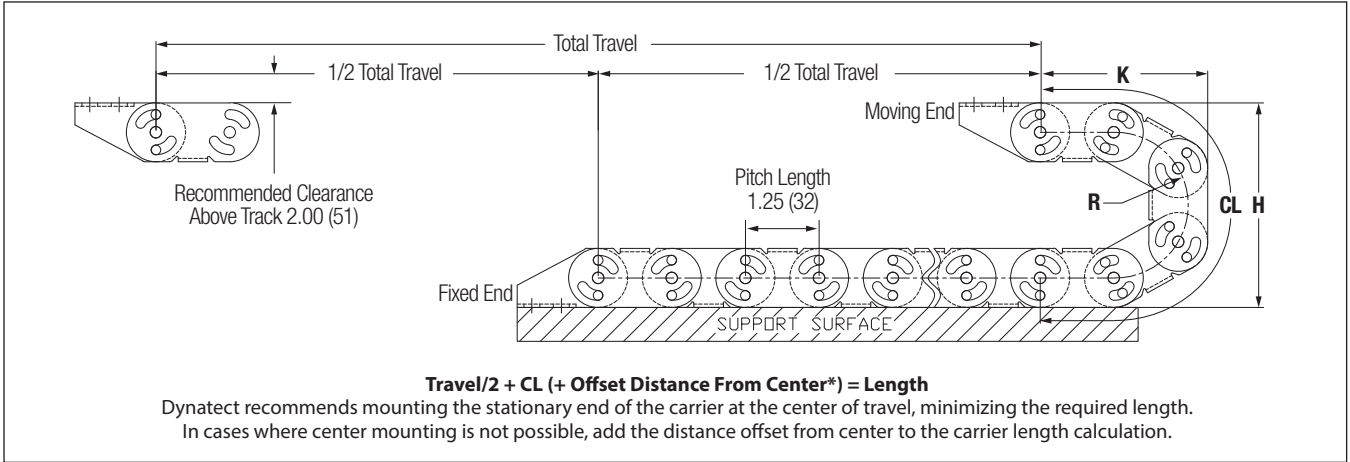
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
SA1	0.94 (24)	1.29 (33)	0.70 (1.04)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
35	1.25 (32)	3.50 (89)	3.00 (76)	6.43 (163)

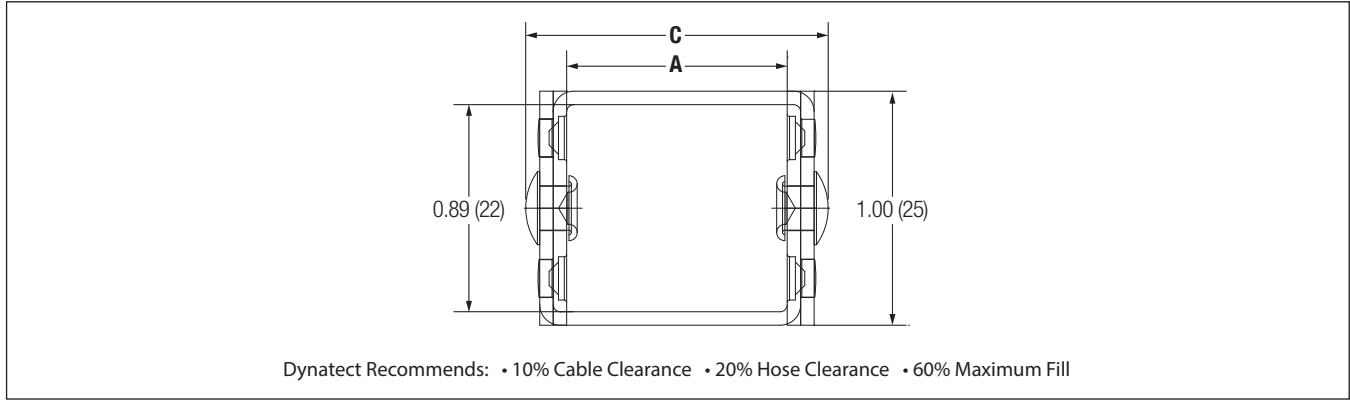


SA SERIES | GORTRAC® STEEL (open-style carriers)

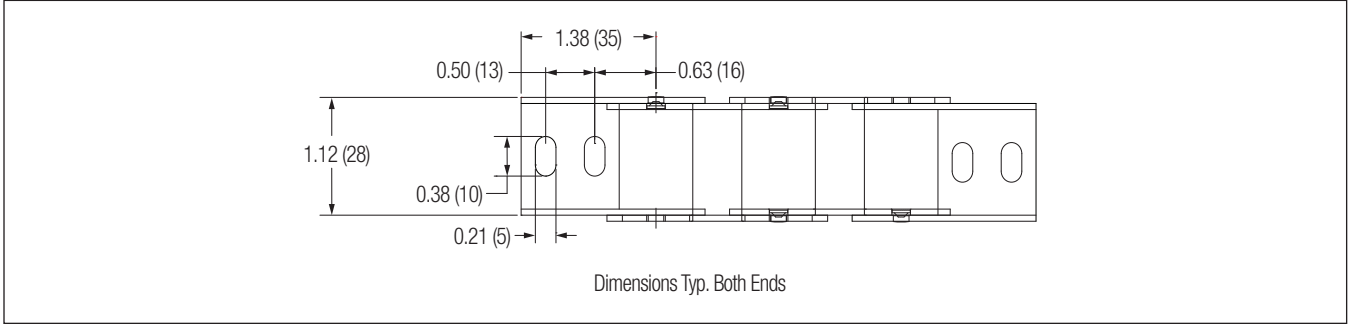
CARRIER SIDE VIEW



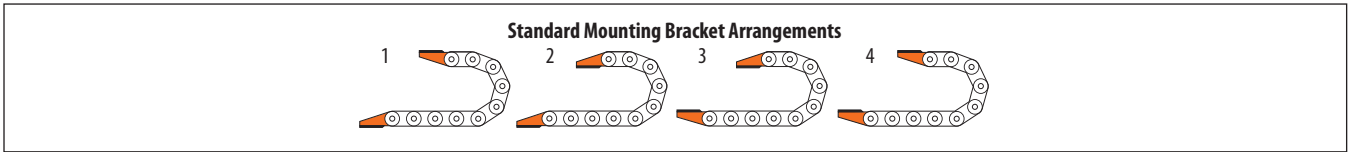
CARRIER CROSS SECTION



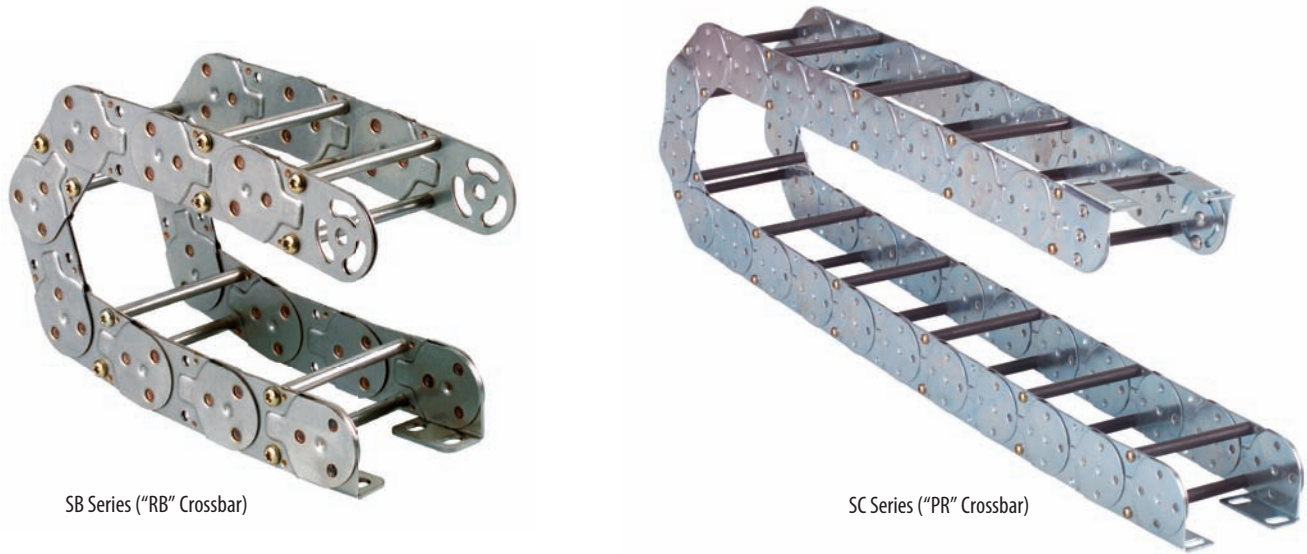
TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



SB/SC SERIES | GORTRAC® STEEL (open-style carriers)



Specify part number with dashes Example: SB-RB-3.00-55-1-48-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	SB	RB	3.00"	55	1	48"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

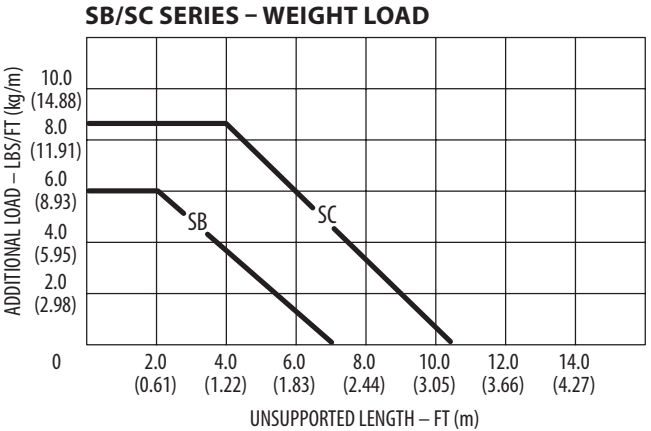
SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
SB	Customer Specified	A + 0.50 (13)	1.08 (1.61)
SC	Customer Specified	A + 0.50 (13)	1.72 (2.56)

Crossbar Styles:

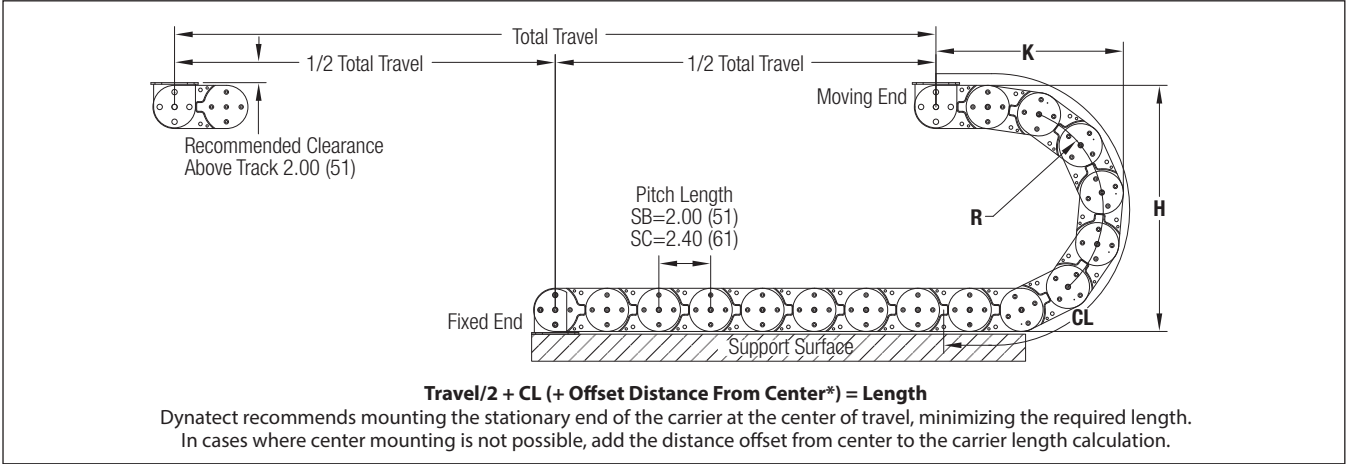
RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
SB – 55	2.06 (52)	5.50 (140)	4.75 (121)	10.50 (267)
SC – 75	2.75 (70)	7.50 (191)	6.75 (171)	14.50 (368)
SC – 115	4.75 (121)	11.50 (292)	8.75 (222)	21.00 (533)
SC – 1325	5.62 (143)	13.25 (337)	9.63 (245)	24.00 (610)

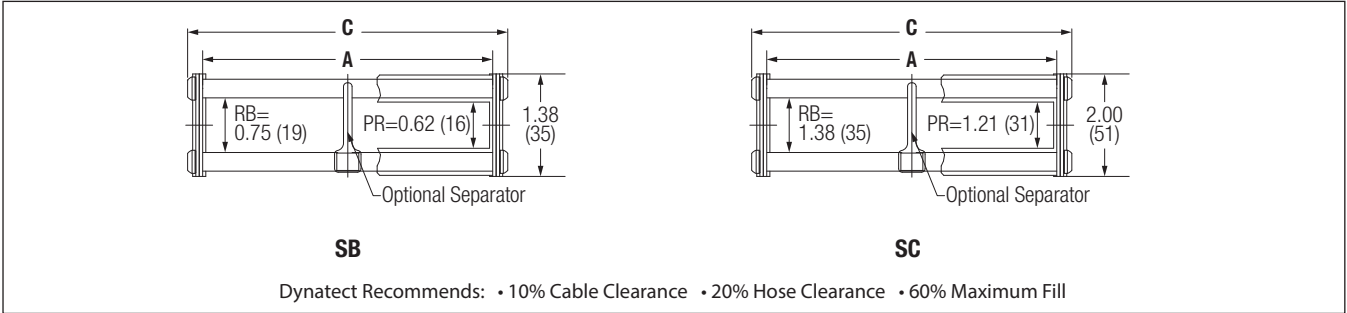


SB/SC SERIES | GORTRAC® STEEL (open-style carriers)

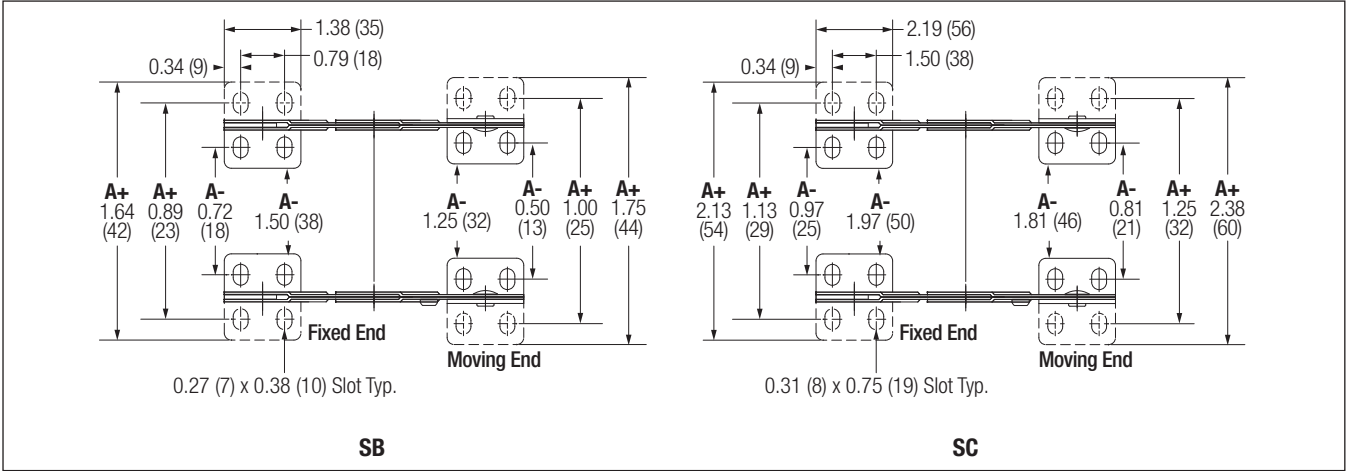
CARRIER SIDE VIEW



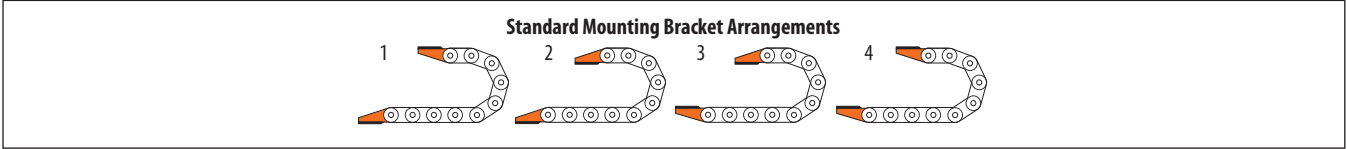
CARRIER CROSS SECTION



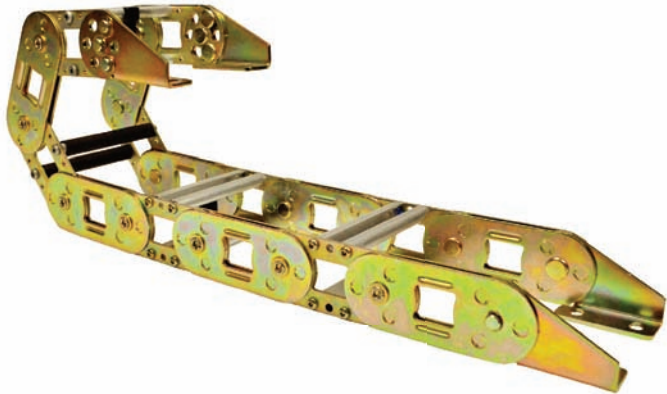
TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



MRC SERIES | GORTRAC® STEEL (open-style carriers)



Specify part number with dashes Example: MRC-AF-4.00-75-1-90-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	MRC	AF	4.00"	75	1	90"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

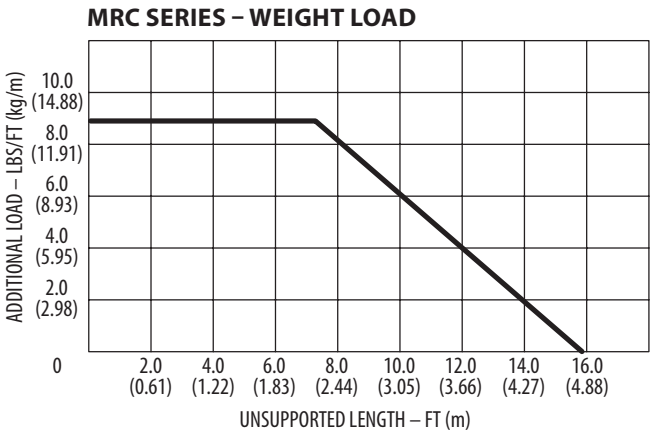
SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
MRC	Customer Specified	A + 0.62 (16)	2.95 (4.39)

Crossbar Styles:

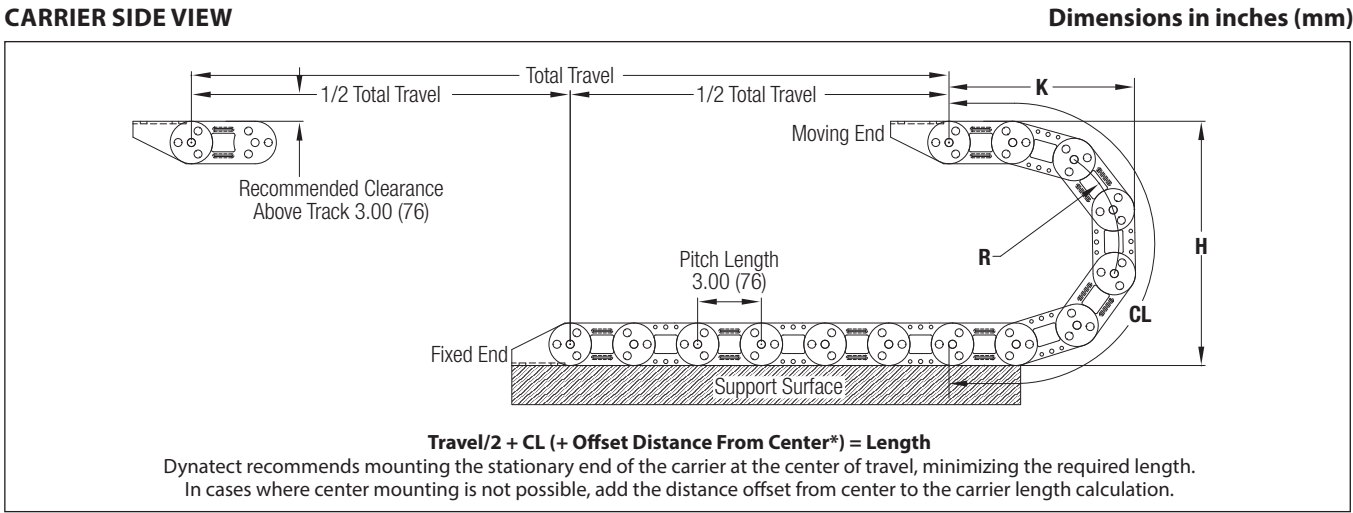
RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar AF = Bolted Aluminum Flat Bar

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
75	2.75 (70)	7.50 (191)	7.00 (178)	14.50 (368)
115	4.75 (121)	11.50 (292)	8.00 (229)	21.00 (533)
1325	5.63 (143)	13.25 (337)	9.75 (248)	23.50 (597)
170	7.50 (191)	17.00 (432)	11.75 (298)	29.50 (749)

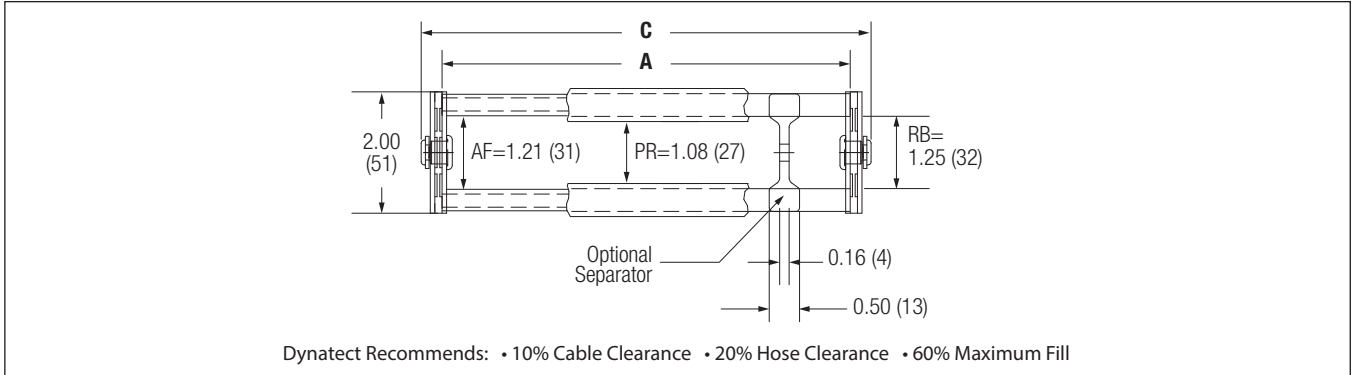


MRC SERIES | GORTRAC® STEEL (open-style carriers)

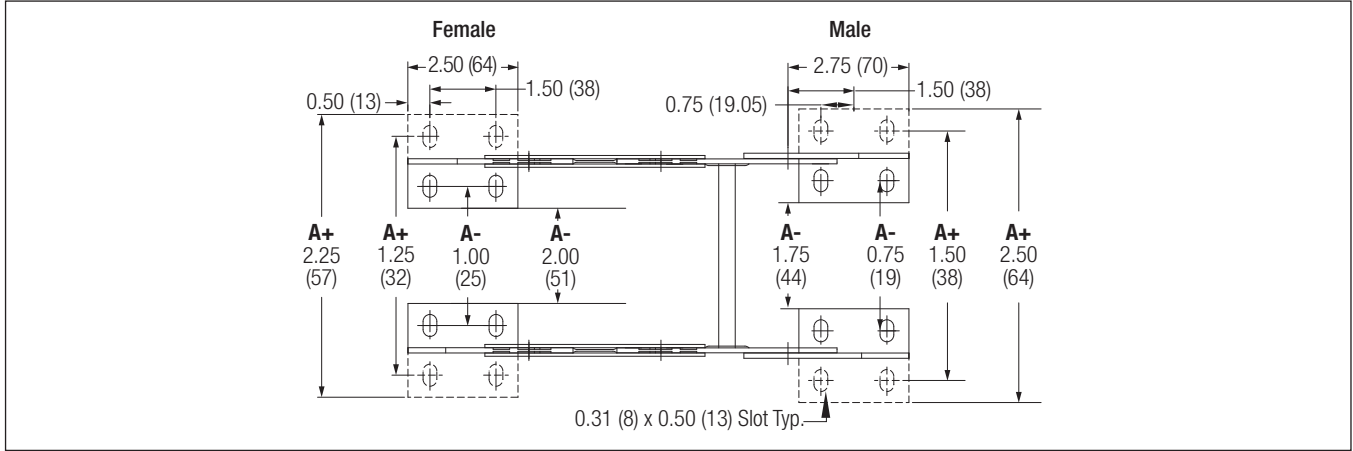
CARRIER SIDE VIEW



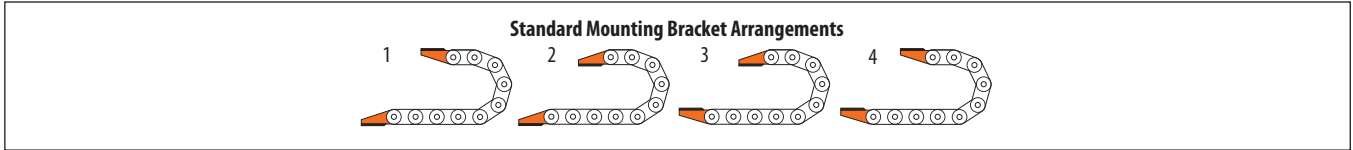
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



GX SERIES | GORTRAC® STEEL (open-style carriers)



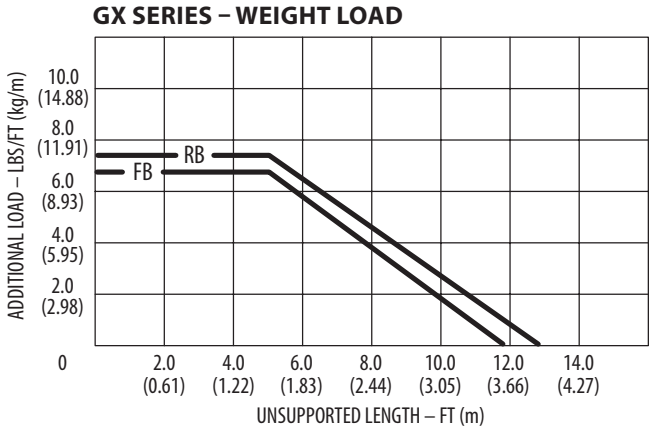
Specify part number with dashes Example: GX225-FB-60-35-#1 IN	Model	Bar Style*	Height	Length	Bracket Arrangement**
	GX225	FB	60	35"	#1 IN

*Crossbar options: 1) FB = steel crossbar alternating inside/outside radius (standard construction).
2) RB/PR = aluminum round bar 'RB'/poly roller 'R' on inside radius (optional construction).
**Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

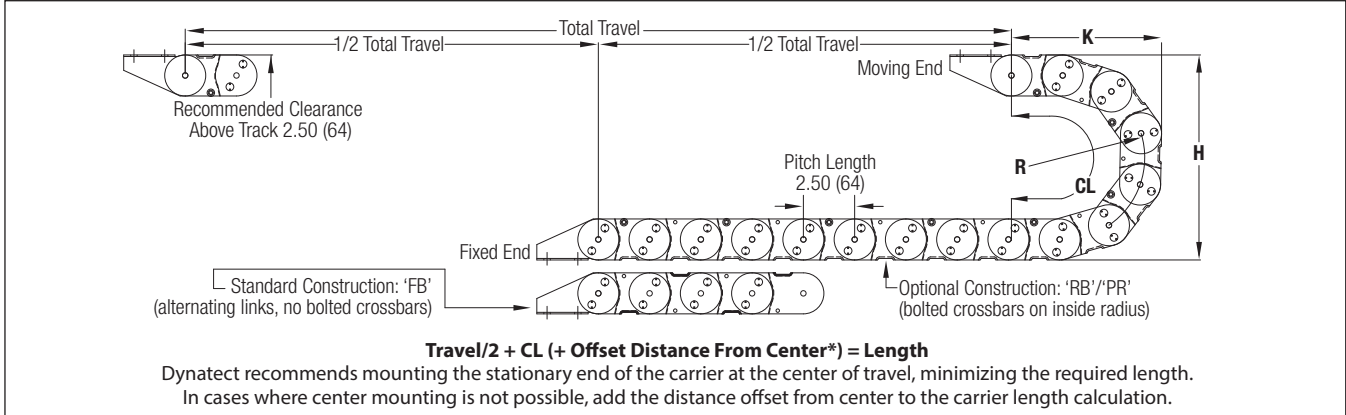
MODEL NO.	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
GX225	2.25 (57)	2.69 (68)	1.80 (2.68)
GX300	3.00 (76)	3.44 (87)	1.90 (2.83)
GX450	4.50 (114)	4.94 (125)	2.00 (2.98)
GX550	5.50 (140)	5.94 (151)	2.10 (3.12)
GX700	7.00 (178)	7.44 (189)	2.20 (3.27)

Crossbar Styles: FB = Alternating Link Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar				
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
60	2.00 (51)	6.00 (152)	5.50 (140)	11.28 (287)
75	2.75 (70)	7.50 (191)	6.25 (159)	13.64 (346)
100	4.00 (102)	10.00 (254)	7.50 (191)	17.57 (446)
1325	5.63 (143)	13.25 (337)	9.13 (232)	22.69 (576)

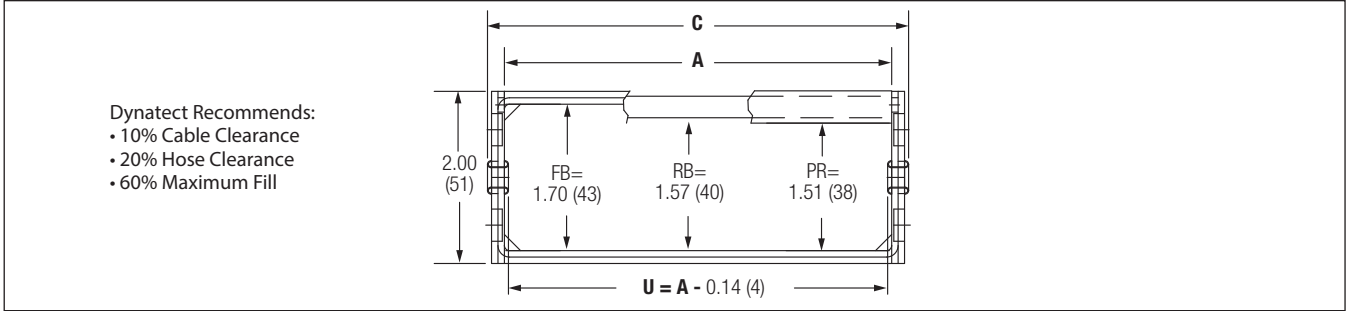


GX SERIES | GORTRAC® STEEL (open-style carriers)

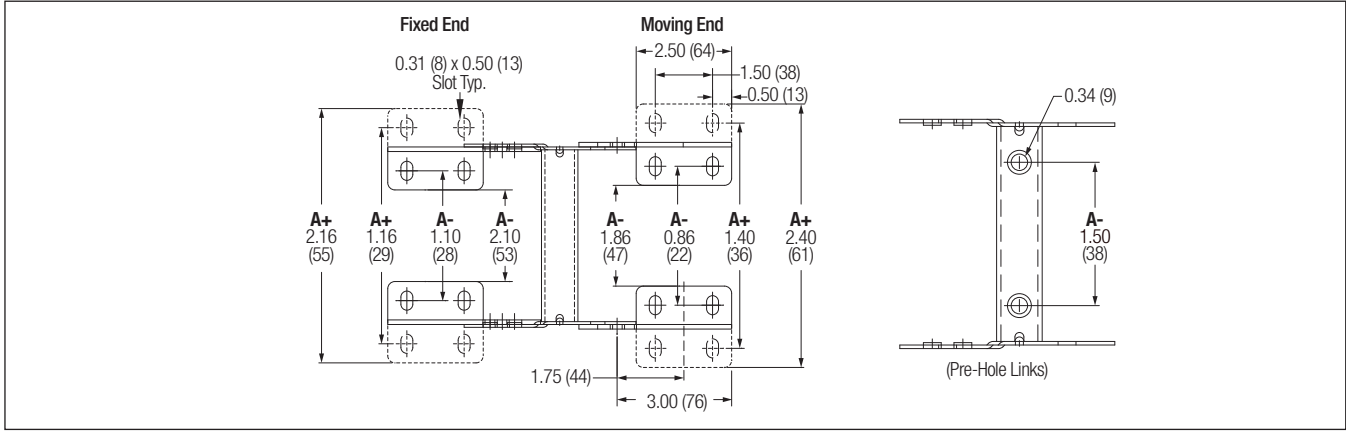
CARRIER SIDE VIEW



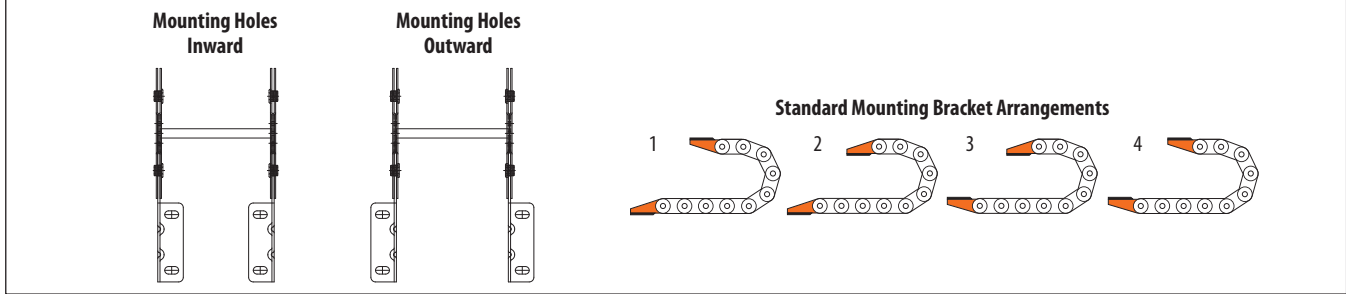
CARRIER CROSS SECTION



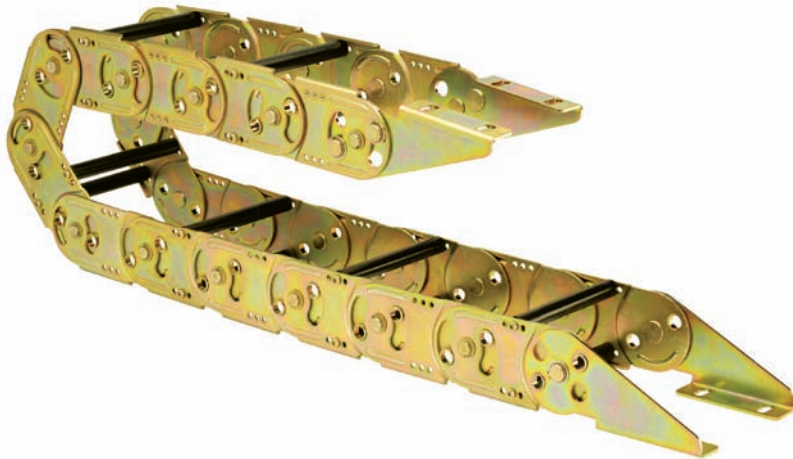
TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



SX SERIES | GORTRAC® STEEL (open-style carriers)



Specify part number with dashes Example: SX-RB-3.25-170-1-120-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	SX	RB	3.25"	170	1	120"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

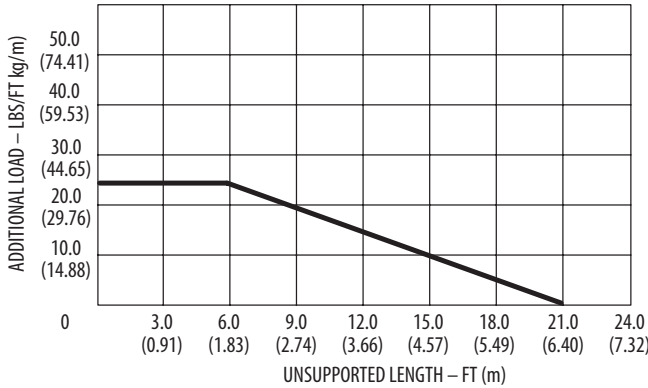
MODEL NO.	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
SX	Customer Specified	A + 0.58 (15)	A - 0.47 (12)	4.6 (6.85)

Crossbar Styles:

AF = Bolted Aluminum Flat Bar AFS = Snap-In Aluminum Flat Bar
RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar

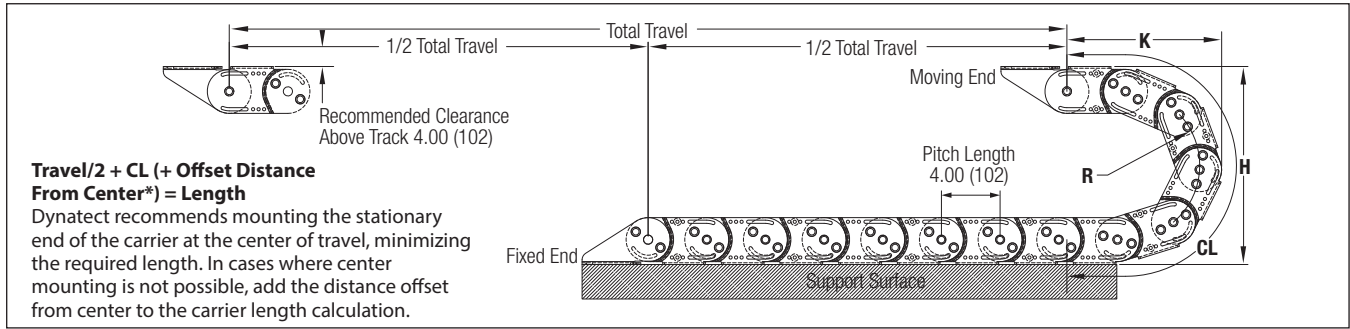
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
110	3.47 (88)	10.13 (257)	9.16 (233)	18.90 (480)
135	4.87 (124)	12.93 (328)	10.56 (268)	23.29 (592)
170	6.78 (172)	16.75 (425)	12.47 (317)	29.29 (744)
200	8.34 (212)	19.87 (505)	14.03 (356)	34.19 (868)
245	10.59 (269)	24.37 (619)	16.28 (414)	41.25 (1048)
275	12.06 (306)	27.31 (694)	17.75 (451)	45.87 (1165)

SX SERIES – WEIGHT LOAD

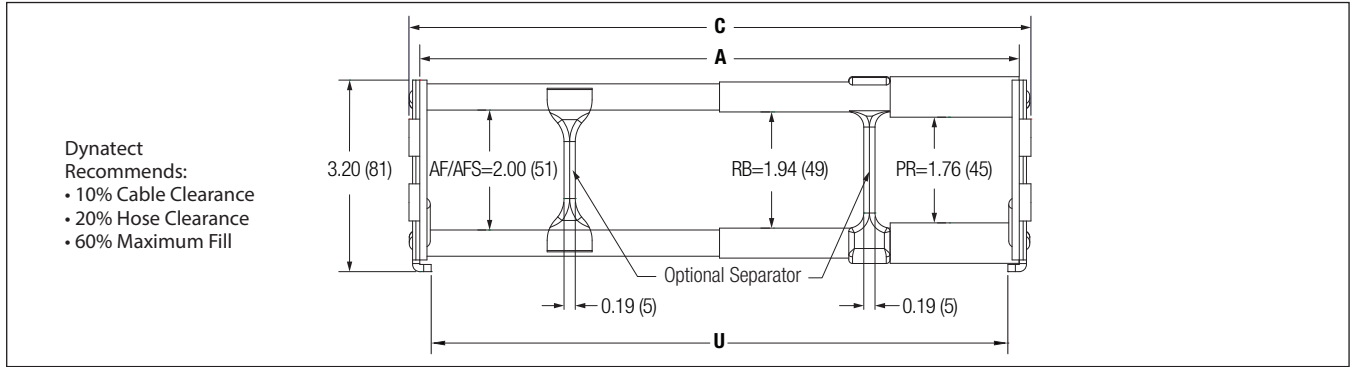


SX SERIES | GORTRAC® STEEL (open-style carriers)

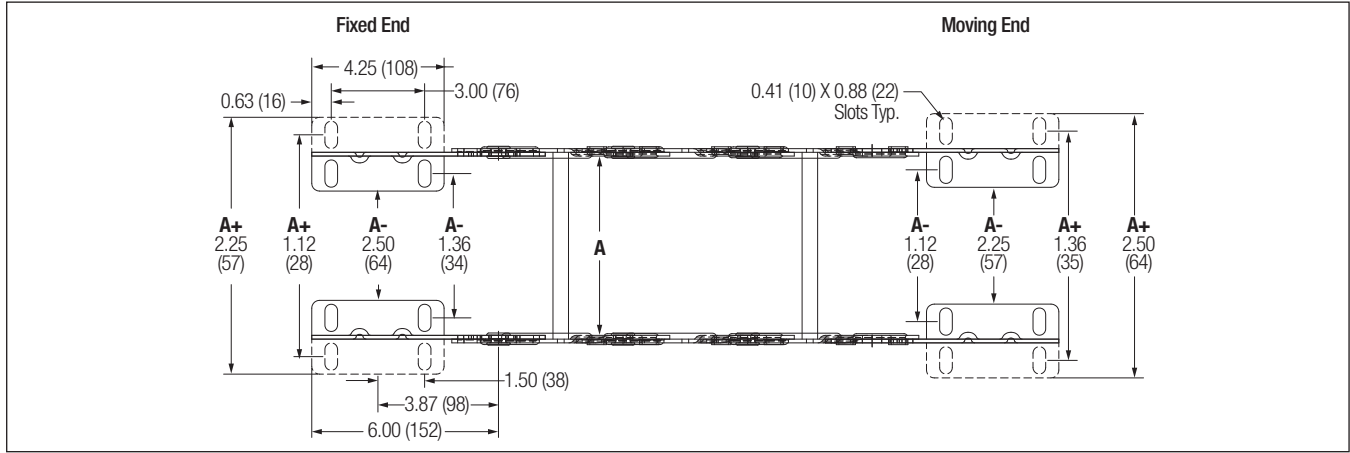
CARRIER SIDE VIEW



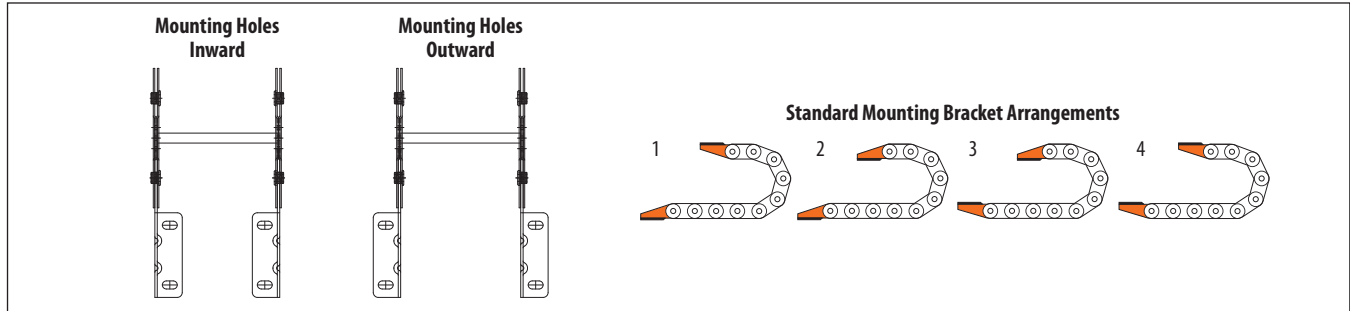
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



SRC/LRC SERIES | GORTRAC® STEEL (open- & enclosed-style carriers)



Specify part number with dashes Example: SRC-RB-5.25-110-2-72-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
	SRC	RB	5.25"	110	2	72"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
SRC	Customer Specified	A + 0.69 (17)	A - 0.28 (7)	5.00 (7.44)
LRC	Customer Specified	A + 0.69 (17)	A - 0.40 (10)	6.00 (8.93)

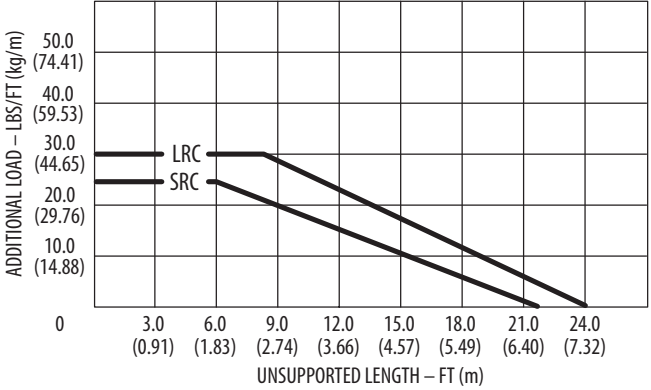
Crossbar Styles:

AF = Bolted Aluminum Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
MC = Machined Carrier Bar (Custom) AP = Bolted Aluminum Armor Plate (Enclosed-Style Carrier)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
SRC-110*	4.00 (102)	11.00 (279)	9.50 (241)	20.56 (522)
SRC-135	5.25 (133)	13.50 (343)	10.75 (273)	24.49 (922)
SRC-170	7.00 (178)	17.00 (432)	12.50 (318)	29.98 (761)
SRC-200	8.50 (216)	20.00 (508)	14.00 (356)	34.69 (881)
SRC-245	10.75 (273)	24.50 (622)	16.25 (413)	41.76 (1061)
SRC-275	12.25 (311)	27.50 (699)	17.75 (451)	46.47 (1180)
LRC-150*	5.50 (140)	15.00 (381)	12.50 (318)	27.27 (693)
LRC-200	8.00 (203)	20.00 (508)	15.00 (381)	35.12 (892)
LRC-275	11.75 (298)	27.50 (699)	18.75 (476)	46.90 (1191)
LRC-3125	13.63 (346)	31.25 (794)	20.63 (524)	52.78 (1341)
LRC-350	15.50 (394)	35.00 (889)	22.50 (572)	58.67 (1490)
LRC-415	18.75 (476)	41.50 (1054)	25.75 (654)	68.88 (1749)
LRC-525	24.25 (616)	52.50 (1334)	31.25 (794)	86.15 (2188)

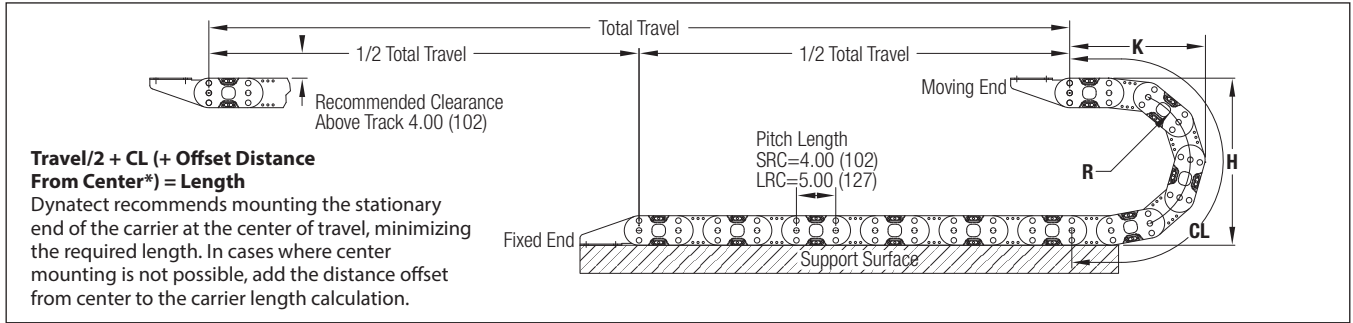
*Armor plates are not available with the 110 (SRC-110) and 150 (LRC-150) curve heights.

SRC/LRC SERIES – WEIGHT LOAD

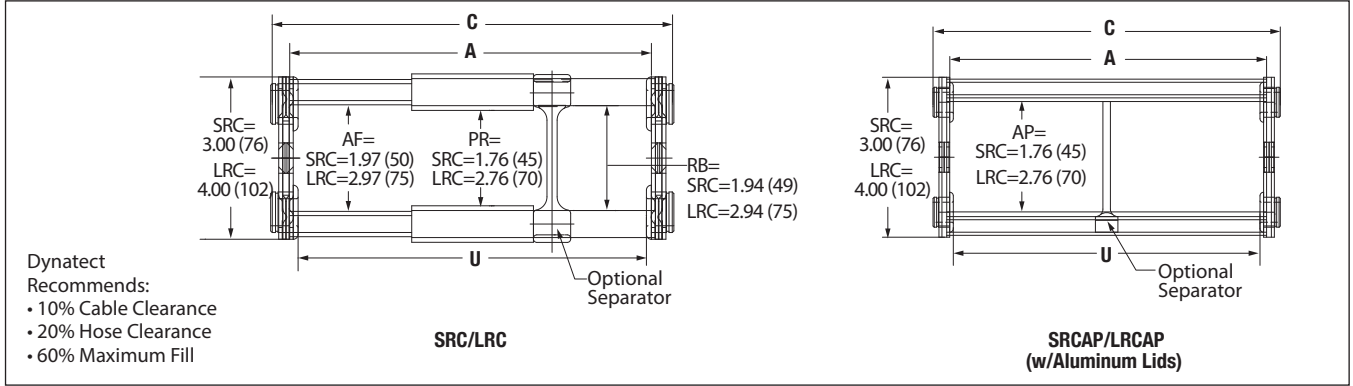


SRC/LRC SERIES | GORTRAC® STEEL (open- & enclosed-style carriers)

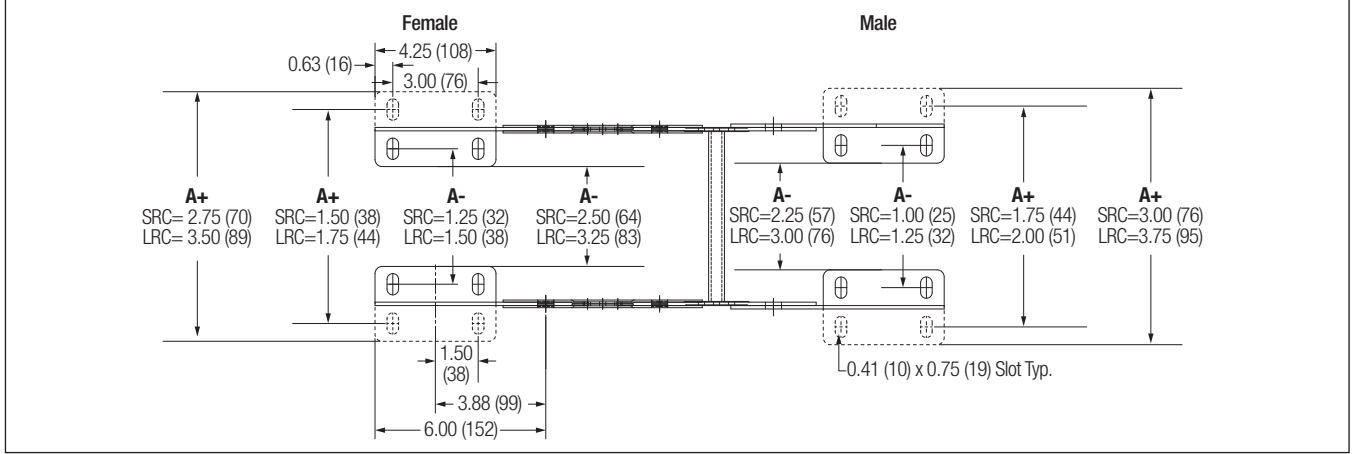
CARRIER SIDE VIEW



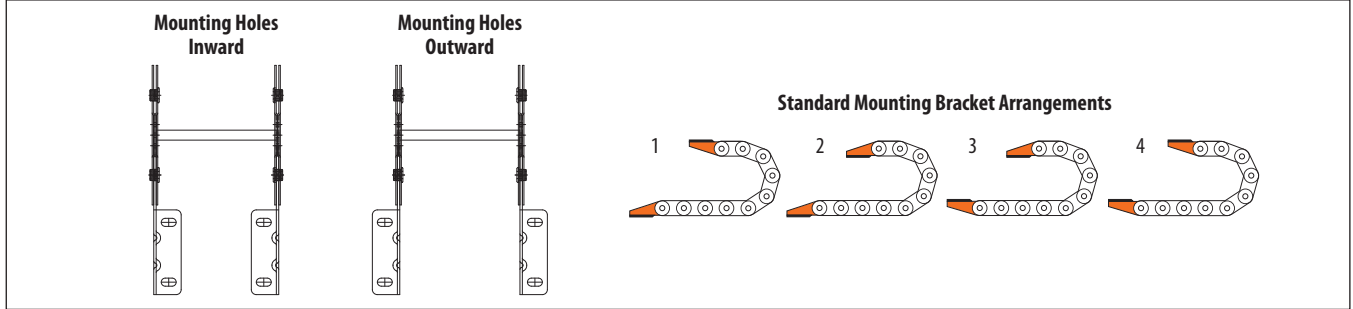
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



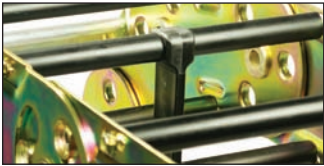
BRACKET ARRANGEMENTS



XX SERIES | GORTRAC® STEEL (open-style carriers)



Aluminum Round Bar (XX6-RB)



Poly Roller over Round Bar (XX6-PR)



Aluminum Flat Bar (XX6-AF)

Specify part number with dashes	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement*
Example: XX6-RB-6.25-470-1-144-#1 IN	XX6	RB	6.25"	470	1	144"	#1 IN

*Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

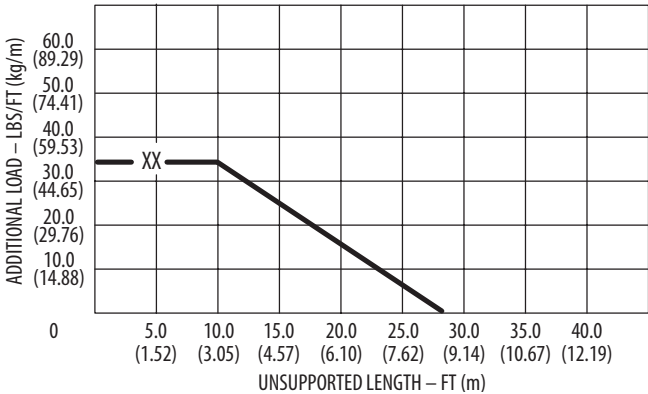
MODEL NO.	A inches (mm)	C inches (mm)	U (USABLE CAVITY WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XX6	Customer Specified	A + 0.81 (21)	A - 0.38 (10)	13.00 (19.35)

Crossbar Styles:

AF = Bolted Aluminum Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
MC = Machined Carrier Bar (Custom) FC = Formed Channel Bar (Custom)

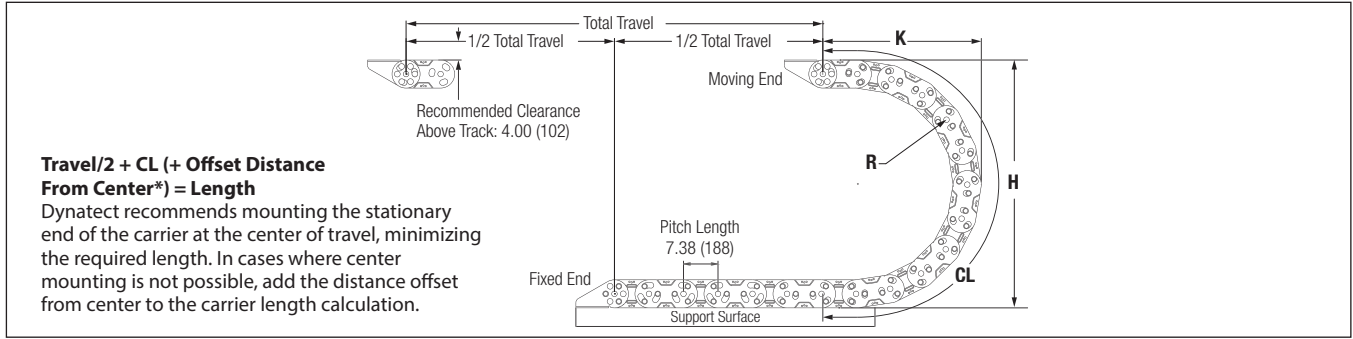
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
260	10.00 (254)	26.00 (660)	20.36 (517)	45.46 (1155)
375	15.75 (400)	37.50 (953)	25.95 (659)	63.79(1620)
470	20.50 (521)	47.00 (1194)	30.73 (780)	78.81 (2002)
530	23.50 (597)	53.00 (1346)	33.88 (861)	88.28 (2242)
600	27.00 (686)	60.00 (1524)	37.31 (948)	99.32 (2523)

XX SERIES – WEIGHT LOAD

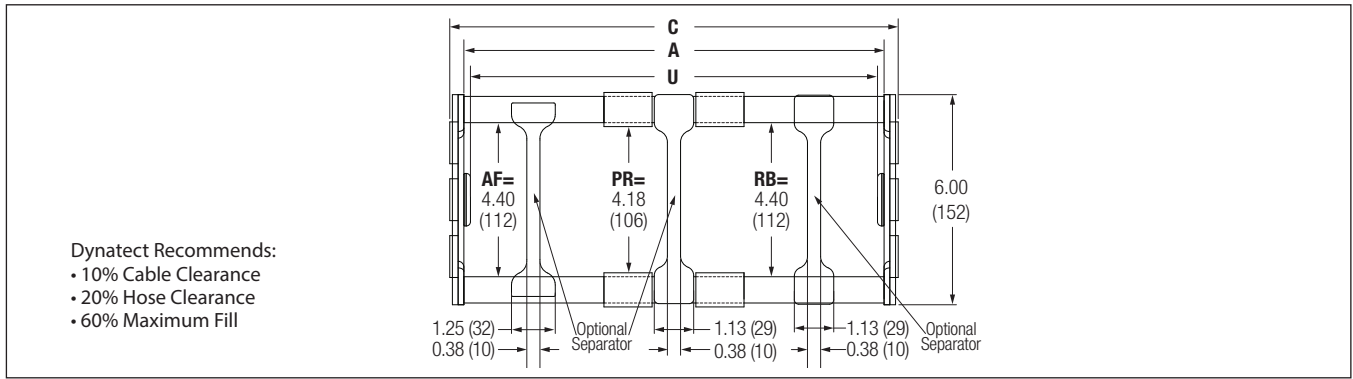


XX SERIES | GORTRAC® STEEL (open-style carriers)

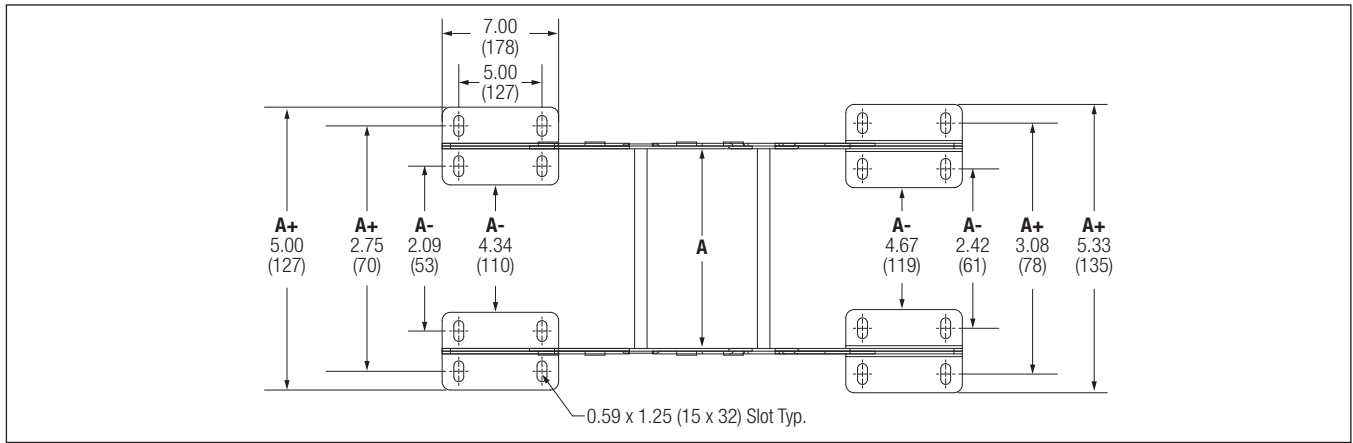
CARRIER SIDE VIEW



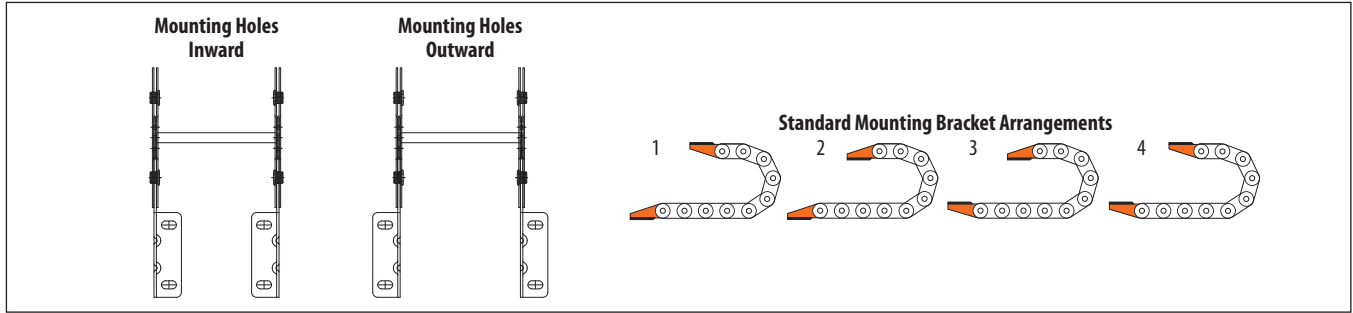
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



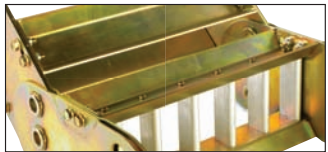
XL SERIES* (XL6) | GORTRAC® STEEL (open- & enclosed-style carriers)



Poly Roller over Aluminum Bar



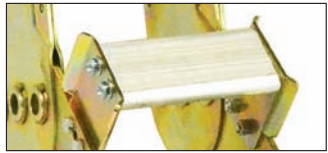
Aluminum Flat Bar



Custom Formed Channel Bar



Aluminum Armor Plates



Custom Window Extender with Aluminum Flat Bar

Specify part number with dashes Example: XL6-AF-5.25-470-2-111-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement**
XL6-AF-5.25-470-2-111-#1 IN	XL6	AF	5.25"	470	2	111"	#1 IN

*XL6 – See pages 178-179 for XL8 and XL10 larger cavity heights. **Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XL6	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	20.00 (29.76)

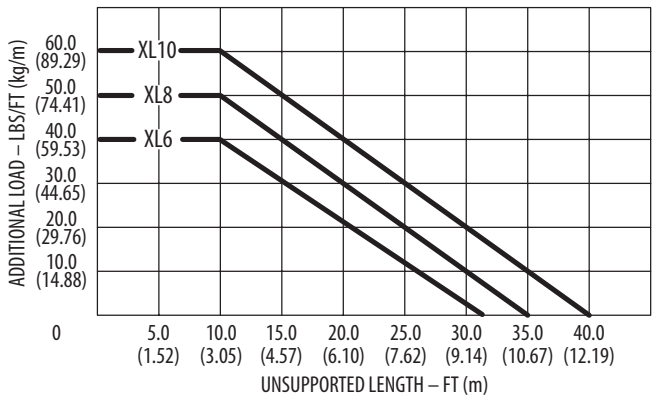
Crossbar Styles:

AF = Bolted Aluminum Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
MC = Machined Carrier Bar (Custom) FC = Formed Channel Bar (Custom) AP = Bolted Aluminum Armor Plate (Enclosed-Style Carrier)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
260*	10.05 (255)	26.00 (660)	20.38 (518)	46.31 (1176)
375	15.80 (401)	37.50 (953)	26.13 (664)	64.36 (1635)
470	20.55 (522)	47.00 (1194)	30.88 (784)	79.28 (2014)
530	23.55 (598)	53.00 (1346)	33.88 (861)	88.70 (2253)
650	29.55 (750)	65.00 (1651)	39.88 (1013)	107.54 (2731)

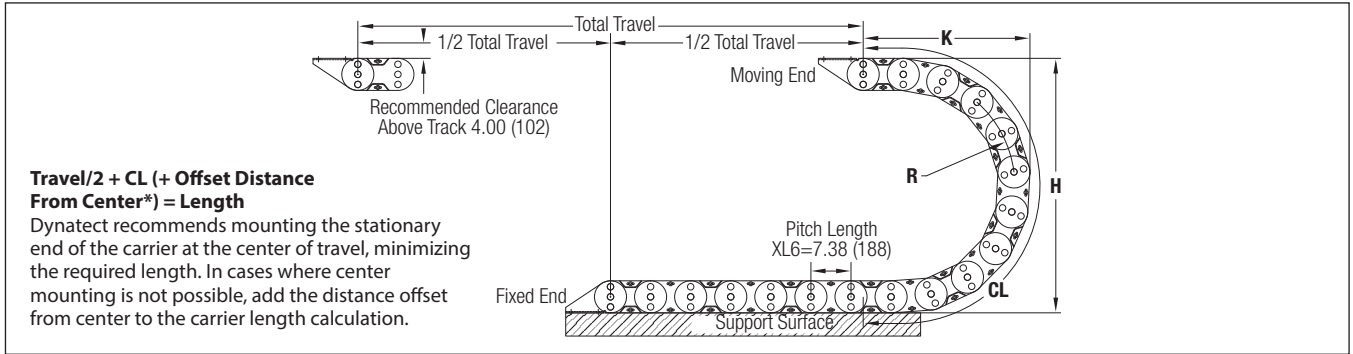
*Armor plates are not available with the 260 curve height (XL6-260).

XL SERIES – WEIGHT LOAD

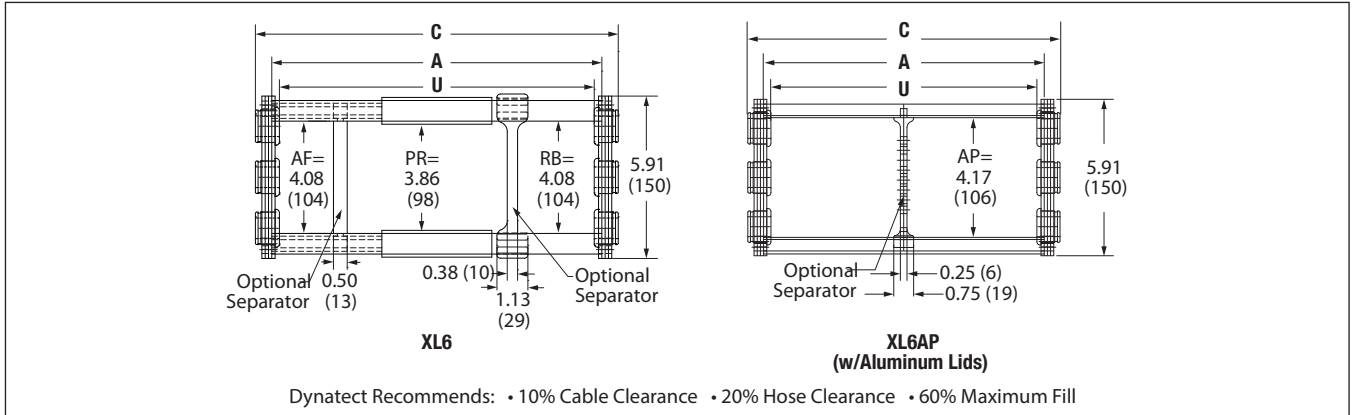


XL SERIES* (XL6) | GORTRAC® STEEL (open- & enclosed-style carriers)

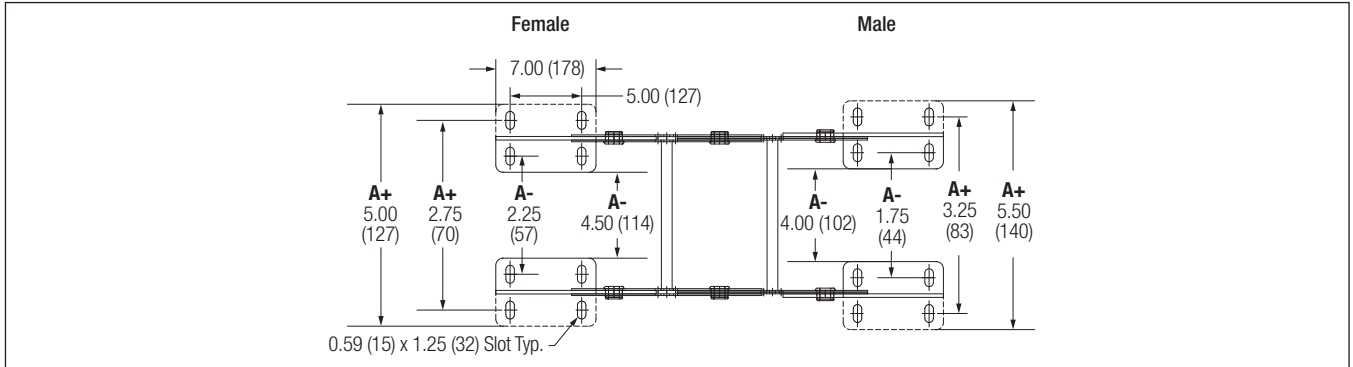
CARRIER SIDE VIEW



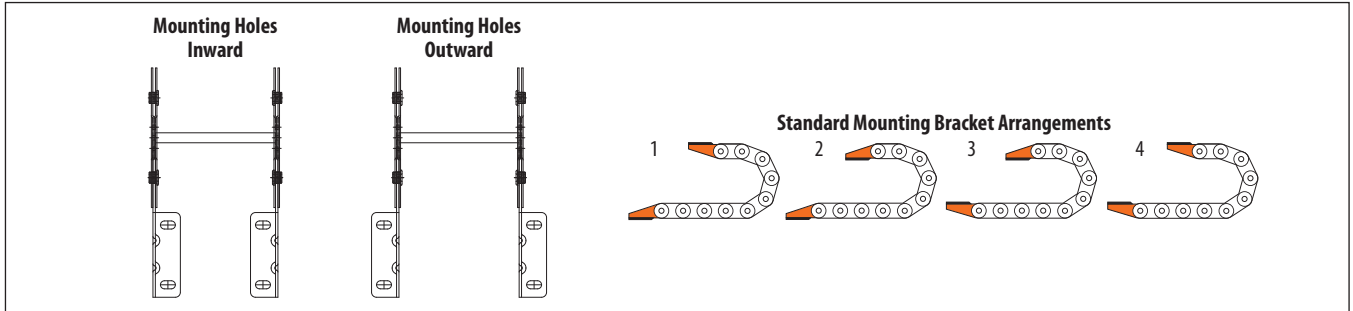
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



XL SERIES* (XL8/XL10) | GORTRAC® STEEL (open-style carriers)



Specify part number with dashes Example: XL8-AF-10.25-540-4-60-#1 IN	Model	Bar Style	Bar Width	Height	Separators	Length	Bracket Arrangement**
	XL8	AF	10.25"	540	4	60"	#1 IN

*XL8 and XL10 – See pages 176-177 for XL6 smaller cavity height. **Specify bracket flange: inward (IN) or outward (OUT).

SPECIFICATIONS

MODEL NO.	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XL8	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	28.00 (41.66)
XL10	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	32.00 (47.62)

Crossbar Styles:

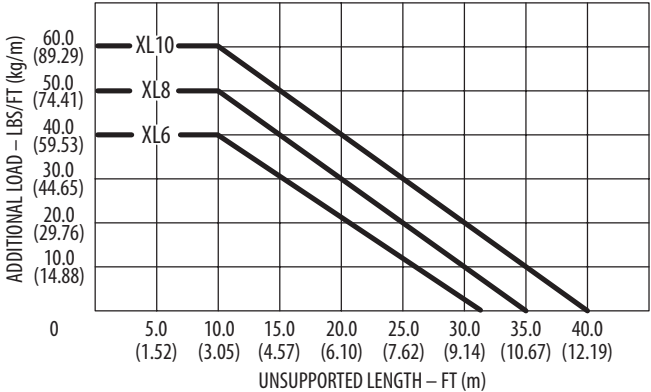
AF = Bolted Aluminum Flat Bar RB = Bolted Aluminum Round Bar PR = Poly Roller over Bolted Aluminum Round Bar
MC = Machined Carrier Bar (Custom) FC = Formed Channel Bar (Custom)

HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
XL8 - 290	10.57 (268)	29.00 (737)	23.83 (605)	51.84 (1317)
XL8 - 330	12.57 (319)	33.00 (838)	25.83 (656)	58.12 (1476)
XL8 - 470	19.57 (497)	47.00 (1194)	32.83 (834)	80.10 (2035)
XL8 - 540	23.07 (586)	54.00 (1372)	36.33 (923)	91.09 (2314)
XL8 - 800	36.07 (916)	80.00 (2032)	49.33 (1253)	131.91 (3351)
XL10 - 480	19.08 (485)	48.00 (1219)	35.66 (906)	82.23 (2114)
XL10 - 600	25.08 (637)	60.00 (1524)	41.66 (1058)	102.07 (2593)
XL10 - 800	35.08 (891)	80.00 (2032)	51.66 (1312)	133.47 (3390)



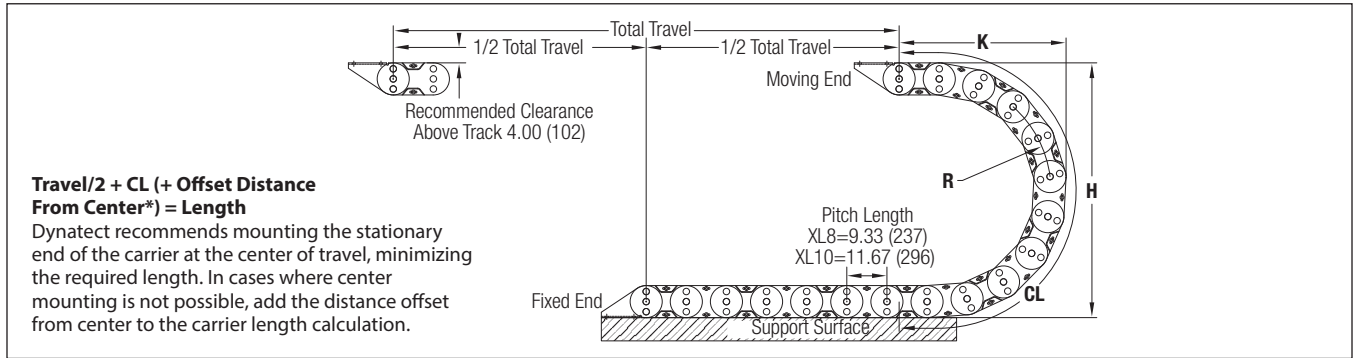
Shown: 24" steel XL carrier for paper converting application. XL side links can be provided in custom sizes.

XL SERIES – WEIGHT LOAD

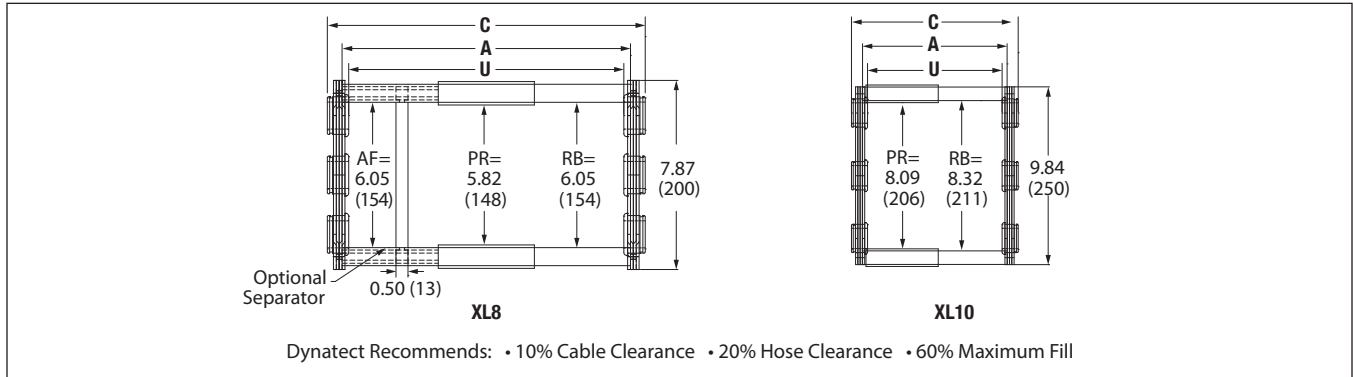


XL SERIES* (XL8/XL10) | GORTRAC® STEEL (open-style carriers)

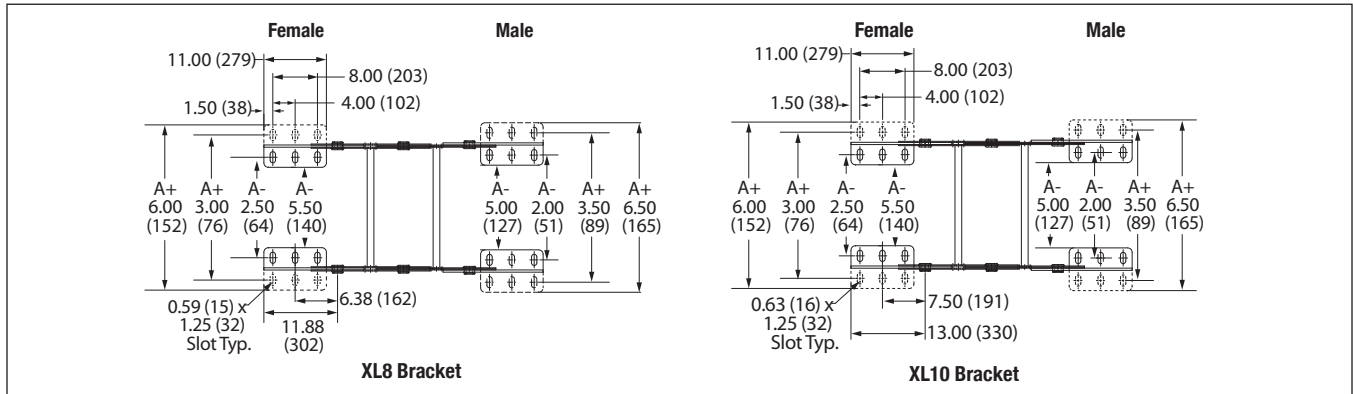
CARRIER SIDE VIEW



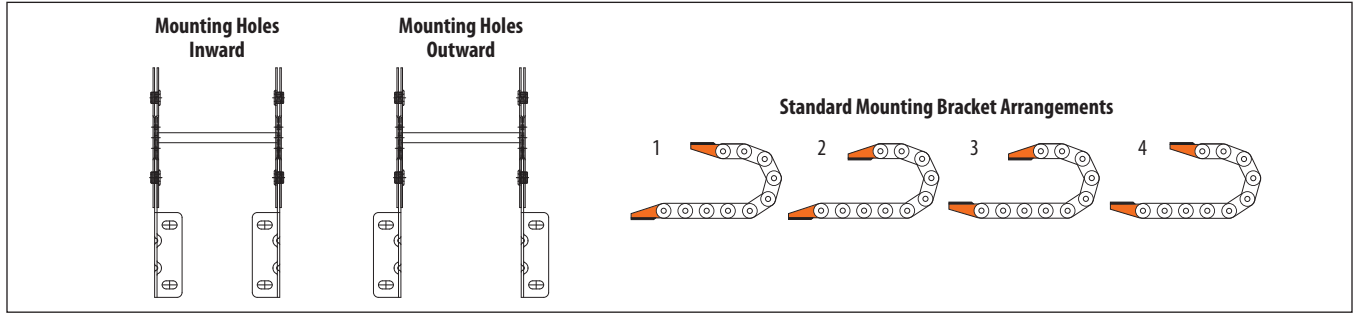
CARRIER CROSS SECTION



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



GORTUBE® SERIES | STEEL (enclosed-style carriers)

Specify part number with dashes Example: C1-9-36-STD#1/STD#1	Model	Height	Length	Flange Arrangement*
	C1	9	36"	STD#1/STD#1

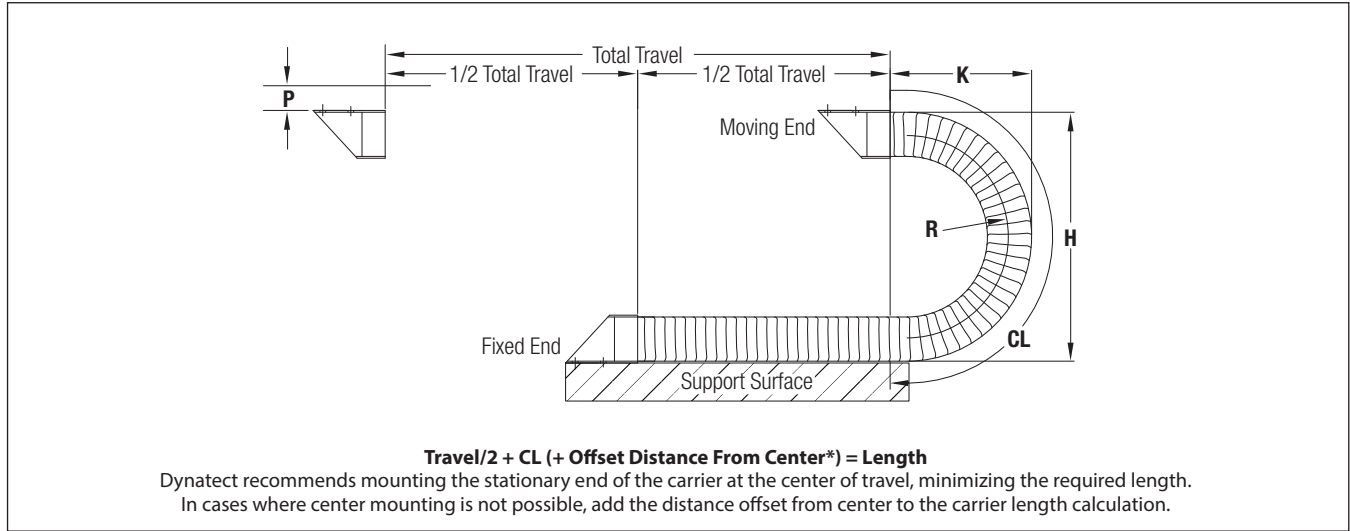
*Specify for each: fixed end/moving end. See pages 182-183 for flange options.

SPECIFICATIONS

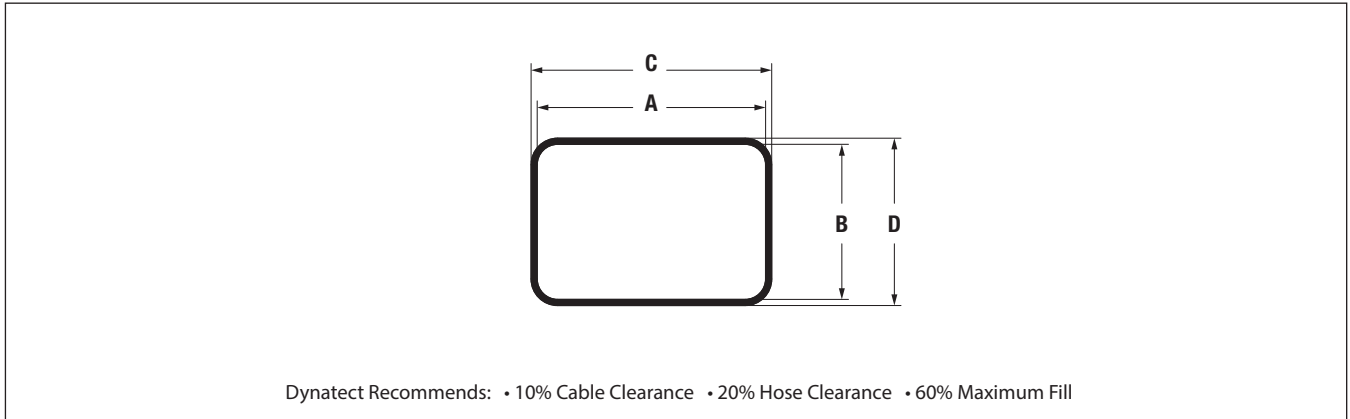
MODEL NO.	A inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	WEIGHT lb/ft (kg/m)
C0	1.02 (26)	0.63 (16)	1.18 (30)	0.79 (20)	0.40 (0.60)
C1	1.79 (45)	1.00 (25)	1.97 (50)	1.18 (30)	0.90 (1.34)
C1A	1.79 (45)	1.79 (45)	1.97 (50)	1.97 (50)	0.90 (1.34)
C1B	1.98 (50)	1.59 (40)	2.17 (55)	1.77 (45)	0.90 (1.34)
C2	2.97 (75)	1.59 (40)	3.15 (80)	1.77 (45)	1.50 (2.23)
C2C	3.17 (81)	1.59 (40)	3.35 (85)	1.77 (45)	1.70 (2.53)
C2A	3.56 (90)	1.79 (45)	3.74 (95)	1.97 (50)	2.10 (3.12)
C2AA	3.17 (81)	2.19 (56)	3.35 (85)	2.36 (60)	2.10 (3.12)
C3	4.11 (104)	2.15 (55)	4.33 (110)	2.36 (60)	2.40 (3.57)
C3A	4.29 (109)	2.93 (74)	4.53 (115)	3.15 (80)	2.40 (3.57)
C3AA	4.31 (109)	2.15 (55)	4.53 (115)	2.36 (60)	2.80 (4.17)
C3C	5.26 (134)	3.29 (84)	5.51 (140)	3.54 (90)	3.50 (5.21)
C4	6.48 (165)	2.93 (74)	6.69 (170)	3.15 (80)	3.80 (5.65)
C5	6.42 (163)	3.50 (89)	6.69 (70)	3.74 (95)	4.00 (5.95)
C6	7.68 (195)	3.71 (94)	7.87 (200)	3.94 (100)	4.10 (6.10)
C7	8.43 (214)	4.09 (104)	8.66 (220)	4.33 (110)	4.60 (6.84)
HEIGHT NO.	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)	P inches (mm)
C0-4	1.77 (45)	5.15 (131)	3.20 (81)	7.64 (194)	1.00 (25)
C1 - 6	2.56 (65)	7.12 (181)	4.00 (102)	9.74 (247)	1.50 (38)
C1 - 9	3.54 (90)	9.10 (231)	5.60 (142)	14.06 (357)	1.50 (38)
C1 - 13	5.51 (140)	13.06 (332)	7.50 (191)	20.11 (511)	1.50 (38)
C1A - 10	3.94 (100)	10.65 (271)	6.00 (152)	14.53 (369)	1.50 (38)
C1B - 9	3.54 (90)	9.67 (246)	5.50 (140)	13.27 (337)	1.50 (38)
C2 - 10	3.54 (90)	9.67 (246)	5.90 (150)	14.07 (357)	2.00 (51)
C2 - 175	7.48 (190)	17.56 (446)	9.80 (249)	26.37 (670)	2.00 (51)
C2 - 22	8.66 (220)	19.91 (506)	11.80 (300)	31.72 (806)	2.00 (51)
C2C - 11	3.54 (90)	9.67 (246)	6.40 (163)	15.07 (383)	2.00 (51)
C2A - 12	4.33 (110)	11.48 (292)	7.00 (178)	16.98 (431)	2.50 (64)
C2AA - 135	5.51 (140)	14.19 (360)	7.70 (196)	19.33 (491)	2.50 (64)
C3 - 135	5.32 (135)	14.21 (361)	7.70 (196)	19.11 (485)	2.50 (64)
C3 - 20	8.27 (210)	20.11 (511)	11.10 (282)	29.28 (744)	3.00 (76)
C3 - 26	11.22 (285)	26.02 (661)	14.00 (356)	38.45 (977)	3.00 (76)
C3A - 18	6.69 (170)	17.76 (451)	9.90 (251)	24.29 (617)	3.00 (76)
C3AA - 13	5.32 (135)	14.21 (361)	7.30 (185)	18.31 (465)	3.00 (76)
C3C - 18	7.09 (180)	18.93 (481)	10.00 (254)	24.55 (624)	3.00 (76)
C4 - 18	6.89 (175)	18.14(461)	9.90 (251)	24.52 (623)	3.00 (76)
C4 - 23	9.25 (235)	22.87 (581)	12.50 (318)	32.41 (823)	3.00 (76)
C4 - 31	13.19 (335)	30.74 (781)	16.40 (417)	44.71 (1136)	3.00 (76)
C5 - 22	8.27 (210)	21.50 (546)	11.90 (302)	29.50 (749)	3.00 (76)
C6 - 23	8.66 (220)	22.50 (572)	12.50 (318)	30.95 (786)	3.00 (76)
C7 - 24	9.25 (235)	24.08 (612)	13.00 (330)	32.23 (819)	3.00 (76)

GORTUBE® SERIES | STEEL (enclosed-style carriers)

CARRIER SIDE VIEW



CARRIER CROSS SECTION

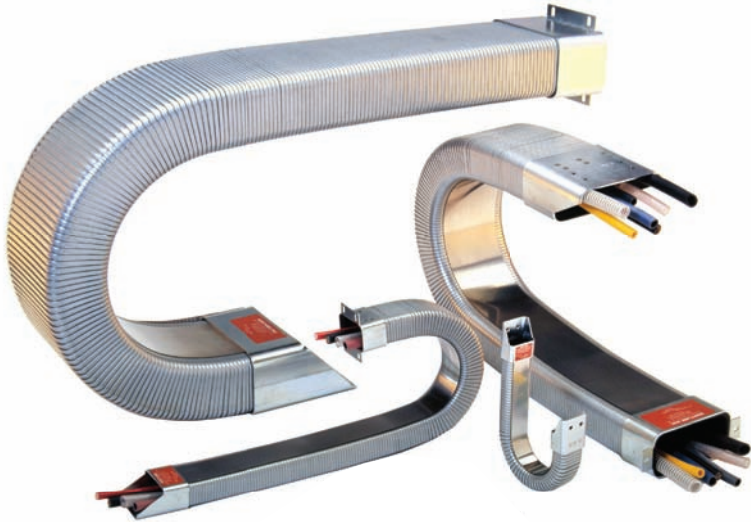


Please see next page for mounting options.

Optional Construction Types:

(Please consult factory for lead times)

- Amflex (inner band)
- Riveted
- No Band
- Black Oxide finish

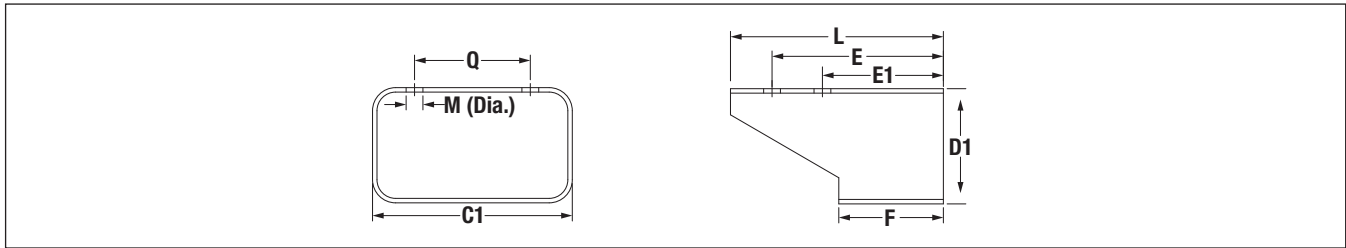


GORTUBE® SERIES | MOUNTING FLANGES (enclosed-style carriers)

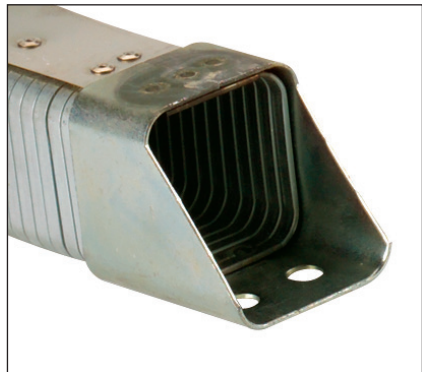
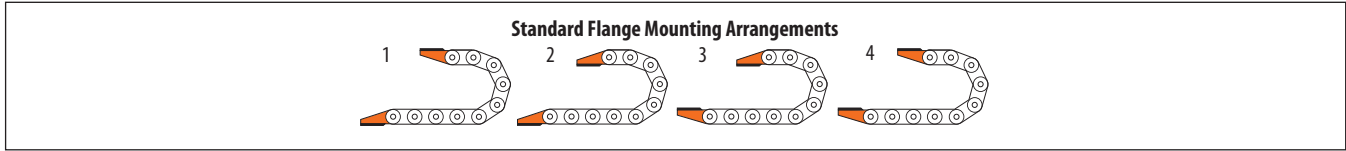
SPECIFICATIONS – STANDARD FLANGE OPTIONS

MODEL NO.	C1 inches (mm)	D1 inches (mm)	Q inches (mm)	M inches (mm)	E inches (mm)	E1 inches (mm)	F inches (mm)	L inches (mm)
C0	1.33 (34)	0.94 (24)	0.50 (13)	0.22 (6)	1.63 (41)	-	1.25 (32)	2.00 (51)
C1	2.11 (54)	1.34 (34)	0.88 (22)	0.28 (7)	1.75 (44)	-	1.19 (30)	2.38 (60)
C1A	2.11 (54)	2.12 (54)	0.88 (22)	0.38 (10)	1.69 (43)	-	1.19 (30)	2.38 (60)
C1B	2.31 (59)	1.93 (49)	0.88 (22)	0.28 (7)	1.75 (44)	-	1.19 (30)	2.38 (60)
C2	3.32 (84)	1.96 (50)	1.94 (49)	0.28 (7)	2.69 (68)	-	1.75 (44)	3.56 (90)
C2C	3.52 (89)	1.96 (50)	1.94 (49)	0.38 (10)	3.05 (77)	2.17 (55)	1.75 (44)	3.52 (89)
C2A	3.92 (100)	2.15 (55)	2.50 (64)	0.34 (9)	3.25 (83)	-	2.06 (52)	4.19 (106)
C2AA	3.52 (89)	2.55 (65)	1.94 (49)	0.38 (10)	3.44 (87)	2.19 (56)	1.75 (44)	4.13 (105)
C3	4.58 (116)	2.62 (67)	2.75 (70)	0.34 (9)	3.56 (90)	2.50 (64)	2.50 (64)	4.75 (121)
C3A	4.78 (121)	3.41 (87)	2.75 (70)	0.41 (10)	3.50 (90)	-	2.38 (60)	4.75 (121)
C3AA	4.77 (121)	2.62 (67)	2.75 (70)	0.38 (10)	4.67 (119)	3.42 (87)	3.00 (76)	5.36 (136)
C3C	5.76 (146)	3.80 (97)	3.50 (89)	0.38 (10)	5.80 (147)	3.67 (93)	3.50 (89)	6.25 (159)
C4	6.94 (176)	3.41 (87)	3.94 (100)	0.34 (9)	4.75 (121)	3.50 (89)	3.13 (80)	6.31 (160)
C5	6.95 (177)	4.01 (102)	4.00 (102)	0.34 (9)	6.13 (156)	4.94 (125)	3.69 (94)	7.31 (186)
C6	8.15 (207)	4.22 (107)	4.75 (121)	0.41 (10)	6.69 (170)	5.38 (137)	3.94 (100)	8.13 (207)
C7	8.94 (227)	4.62 (117)	5.50 (140)	0.41 (10)	7.38 (187)	5.88 (149)	4.16 (106)	8.75 (222)

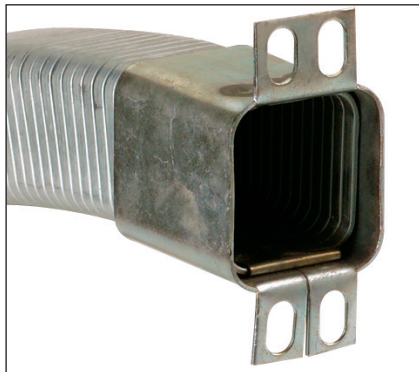
GORTUBE STANDARD FLANGE



STANDARD FLANGE ARRANGEMENTS – Please specify arrangement when ordering standard flanges



Standard Flange



Type "A" Flange



Type "B" Flange

GORTUBE® SERIES | MOUNTING FLANGES (enclosed-style carriers)

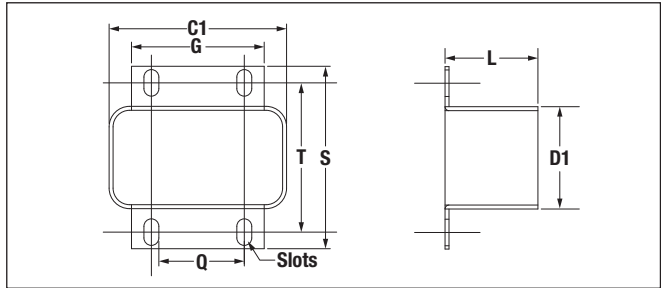
SPECIFICATIONS – TYPE A FLANGE OPTIONS

MODEL NO.	C1 inches (mm)	D1 inches (mm)	Q inches (mm)	SLOTS inches (mm)	G inches (mm)	S inches (mm)	T inches (mm)	L inches (mm)
C0	1.33 (34)	0.94 (24)	0.38 (10)	0.22 x 0.38 (6 x 10)	0.75 (19)	1.86 (47)	1.30 (33)	1.25 (32)
C1	2.11 (54)	1.34 (34)	0.69 (18)	0.28 x 0.50 (7 x 13)	1.38 (35)	2.80 (71)	2.11 (54)	1.56 (40)
C1A	2.11 (54)	2.12 (54)	0.69 (18)	0.38 x 0.63 (10 x 16)	1.38 (35)	4.00 (102)	3.16 (80)	2.38 (60)
C1B	2.31 (59)	1.93 (49)	0.69 (18)	0.38 x 0.63 (10 x 16)	1.38 (35)	3.75 (95)	2.94 (75)	2.38 (60)
C2	3.32 (84)	1.96 (50)	1.75 (44)	0.28 x 0.50 (7 x 13)	2.50 (64)	3.50 (89)	2.88 (73)	1.75 (44)
C2C	3.52 (89)	1.96 (50)	1.75 (44)	0.28 x 0.50 (7 x 13)	2.56 (65)	3.56 (90)	2.81 (71)	1.75 (44)
C2A	3.92 (100)	2.15 (55)	2.00 (51)	0.34 x 0.50 (9 x 13)	2.75 (70)	3.75 (95)	2.94 (75)	2.06 (5)
C2AA	3.52 (89)	2.55 (65)	1.75 (44)	0.41 x 0.68 (10 x 17)	2.50 (64)	4.31 (109)	3.42 (87)	3.53 (90)
C3	4.58 (116)	2.62 (67)	2.38 (60)	0.34 x 0.50 (9 x 13)	3.13 (80)	4.31 (109)	3.50 (89)	2.38 (60)
C3A	4.78 (121)	3.41 (87)	2.38 (60)	0.34 x 0.50 (9 x 13)	3.25 (83)	5.13 (130)	4.38 (111)	4.56 (116)
C3AA	4.77 (121)	2.62 (67)	2.38 (60)	0.34 x 0.50 (9 x 13)	3.50 (89)	4.39 (112)	3.50 (89)	3.00 (76)
C3C	5.76 (146)	3.80 (97)	3.25 (83)	0.38 x 0.56 (10 x 14)	4.25 (108)	5.53 (140)	4.75 (121)	3.50 (89)
C4	6.94 (176)	3.41 (87)	3.75 (95)	0.34 x 0.50 (9 x 13)	4.75 (121)	5.13 (130)	4.31 (109)	3.13 (80)
C5	6.95 (177)	4.01 (102)	3.75 (95)	0.34 x 0.75 (9 x 19)	4.75 (121)	6.06 (154)	5.00 (127)	3.69 (94)
C6	8.15 (207)	4.22 (107)	4.00 (102)	0.41 x 0.75 (10 x 19)	5.50 (140)	6.22 (158)	5.16 (131)	3.94 (100)
C7	8.94 (227)	4.62 (117)	4.50 (114)	0.41 x 0.75 (10 x 19)	6.06 (154)	6.81 (173)	5.81 (148)	4.38 (111)

SPECIFICATIONS – TYPE B FLANGE OPTIONS

MODEL NO.	C1 inches (mm)	D1 inches (mm)	Q inches (mm)	SLOTS inches (mm)	G inches (mm)	S inches (mm)	T1 inches (mm)	L inches (mm)
C0	1.33 (34)	0.94 (24)	1.81 (46)	0.22 x 0.38 (6 x 10)	2.31 (59)	0.50 (13)	n/a - 1 hole	1.25 (32)
C1	2.11 (54)	1.34 (34)	3.00 (76)	0.28 x 0.50 (7 x 13)	3.68 (93)	0.56 (14)	n/a - 1 hole	1.19 (30)
C1A	2.11 (54)	2.12 (54)	3.16 (80)	0.38 x 0.63 (10 x 16)	4.00 (102)	1.38 (35)	0.69 (18)	2.38 (60)
C1B	2.31 (59)	1.93 (49)	3.41 (87)	0.38 x 0.63 (10 x 16)	4.22 (107)	1.38 (35)	0.69 (18)	2.38 (60)
C2	3.32 (84)	1.96 (50)	4.19 (106)	0.28 x 0.50 (7 x 13)	4.81 (122)	1.19 (30)	n/a - 1 hole	1.75 (44)
C2C	3.52 (89)	1.96 (50)	4.19 (106)	0.28 x 0.50 (7 x 13)	4.81 (122)	1.19 (30)	n/a - 1 hole	1.75 (44)
C2A	3.92 (100)	2.15 (55)	4.88 (124)	0.34 x 0.50 (9 x 13)	5.75 (146)	1.00 (25)	n/a - 1 hole	2.06 (52)
C2AA	3.52 (89)	2.55 (65)	4.63 (118)	0.41 x 0.68 (10 x 17)	5.50 (140)	1.72 (44)	1.13 (29)	3.53 (90)
C3	4.58 (116)	2.62 (67)	5.56 (141)	0.34 x 0.50 (9 x 13)	6.38 (162)	1.38 (35)	n/a - 1 hole	2.38 (60)
C3A	4.78 (121)	3.41 (87)	5.56 (141)	0.38 x 0.50 (10 x 13)	6.38 (162)	2.25 (57)	1.50 (38)	5.14 (131)
C3AA	4.77 (121)	2.62 (67)	5.56 (141)	0.34 x 0.50 (9 x 13)	6.38 (162)	1.38 (35)	0.88 (22)	3.00 (76)
C3C	5.76 (146)	3.80 (97)	6.91 (176)	0.38 x 0.56 (10 x 14)	7.78 (198)	2.75 (70)	2.00 (51)	3.50 (89)
C4	6.94 (176)	3.41 (87)	7.88 (200)	0.34 x 0.50 (9 x 13)	8.69 (221)	1.56 (40)	n/a - 1 hole	3.13 (80)
C5	Type B flange not available for C5							
C6	Type B flange not available for C6							
C7	8.94 (227)	4.62 (117)	10.11 (257)	0.38 x 0.63 (10 x 16)	10.80 (274)	3.00 (76)	2.25 (57)	4.38 (111)

GORTUBE TYPE "A" FLANGE



GORTUBE TYPE "B" FLANGE

