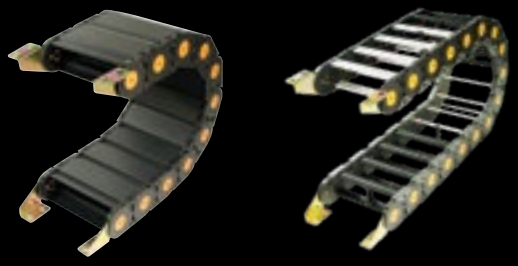
NYLATRAC®
PLASTIC & HYBRID CARRIERS



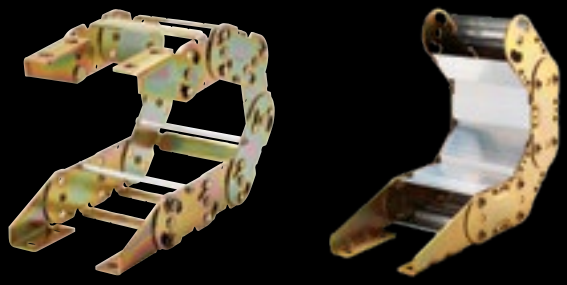
NYLATUBE®
ENCLOSED PLASTIC CARRIERS

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

Global Leaders in Dynamic Protection
for Equipment and People

CABLE & HOSE CARRIERS
DESIGN GUIDE

GORTRAC®
METAL CABLE CARRIERS



GORTUBE®
ENCLOSED METAL CARRIERS

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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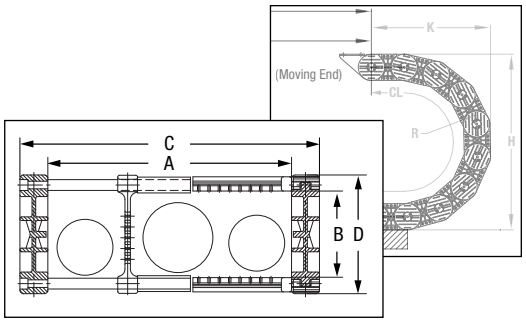
DESIGN GUIDE



PLASTIC CARRIERS

METAL CARRIERS

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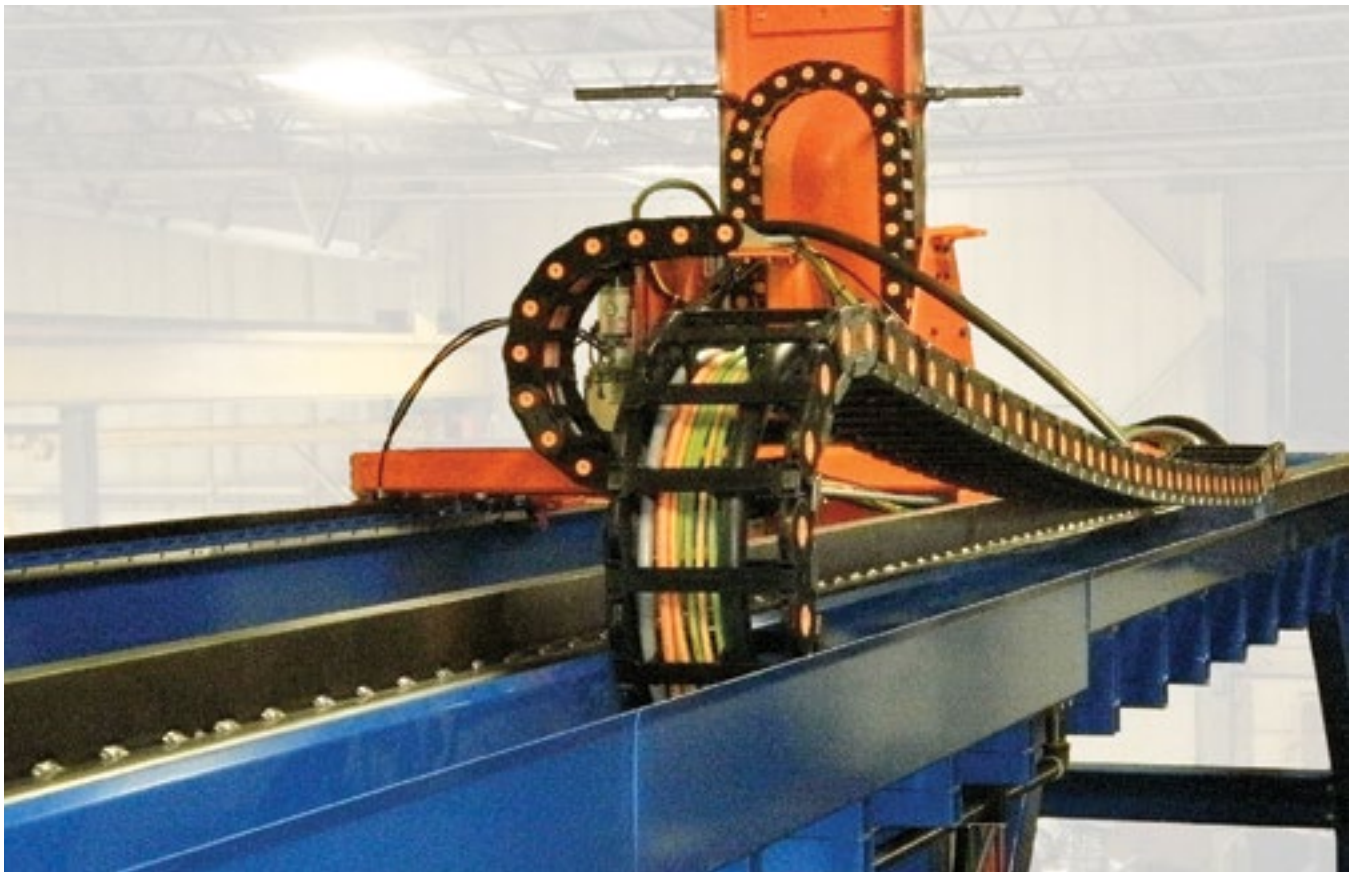
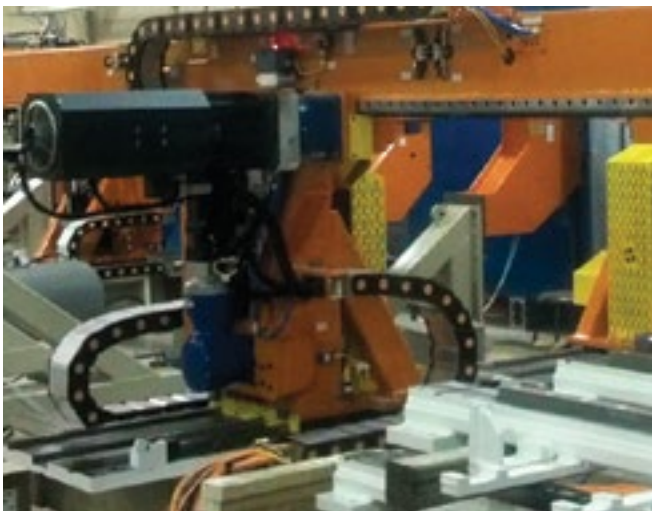
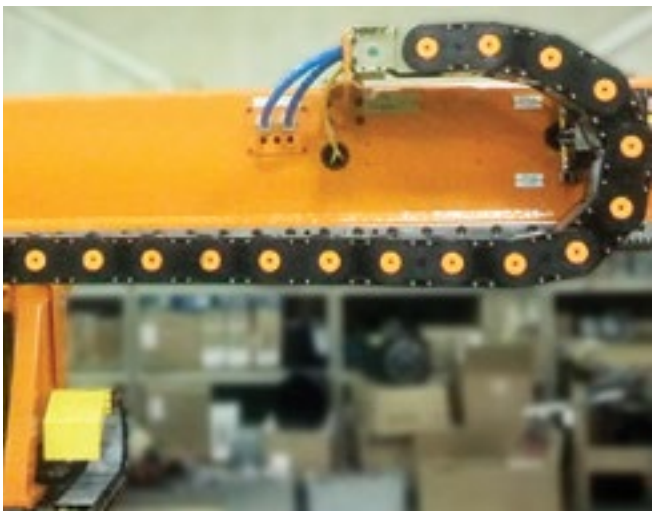
PLASTIC CARRIERS | APPLICATION EXAMPLES



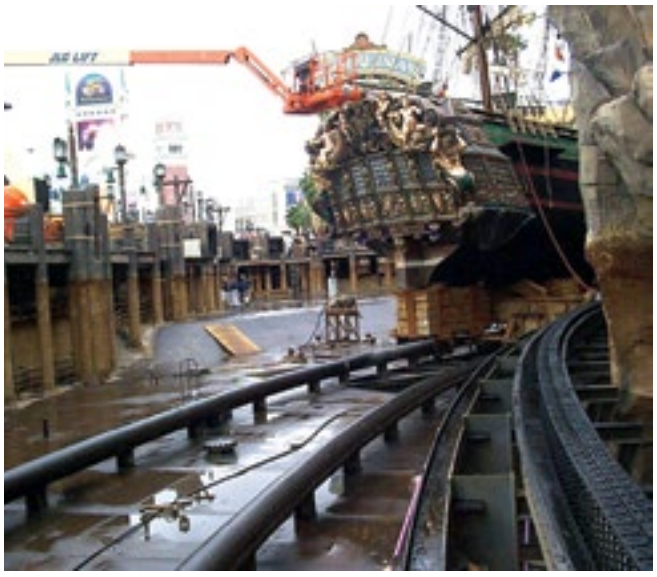
Nylatrac® Modular TS and TSC carriers installed on custom pick-and-place equipment provide cable/hose management for long travel and three axis of operation.



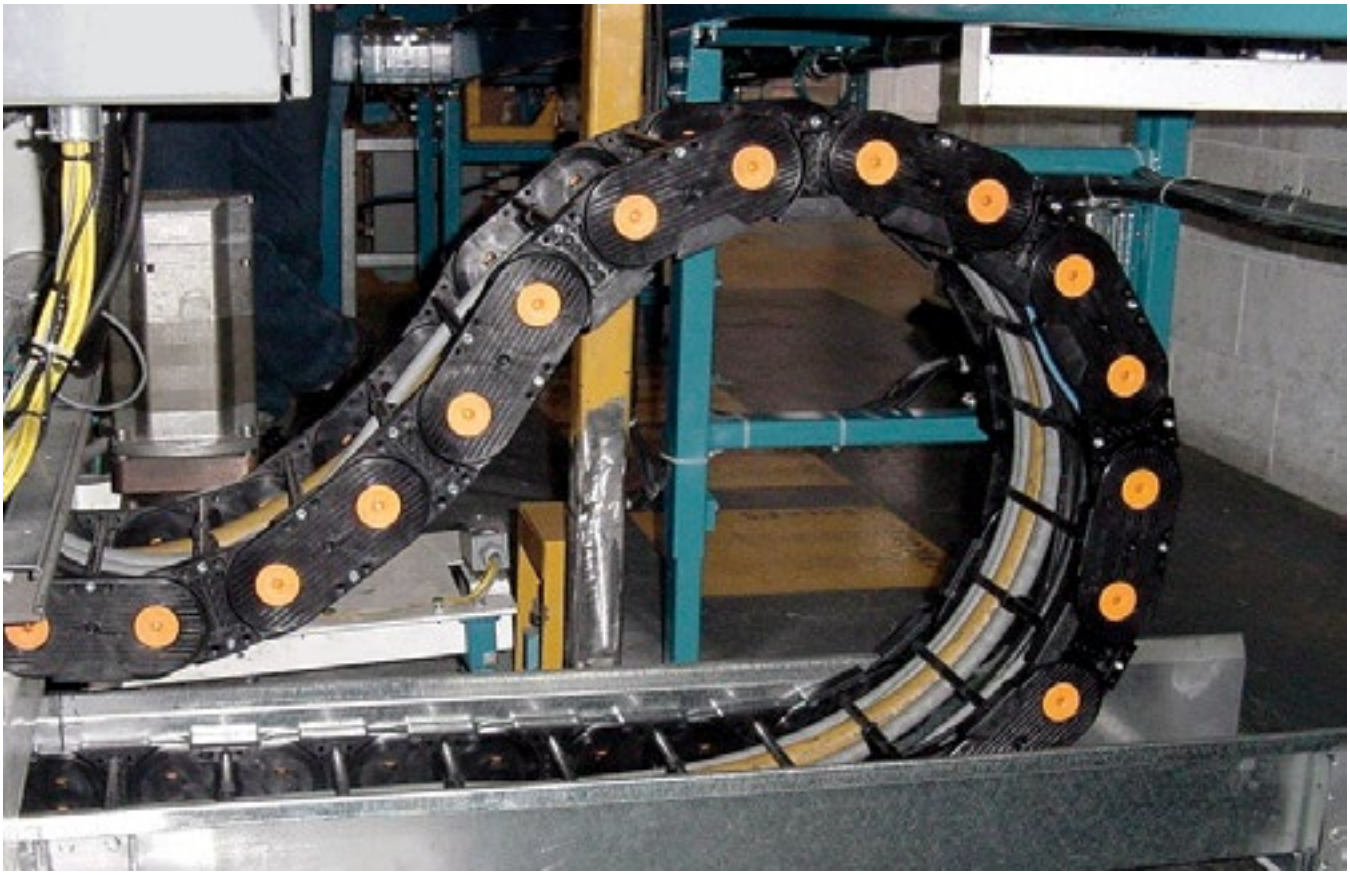


Nylatrac Modular TS carriers protect cables/hoses in multiple directions on high-speed servo-driven press transfer automation equipment. Bolted aluminum armor plates shield the utility package from debris in a metal stamping environment.

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.

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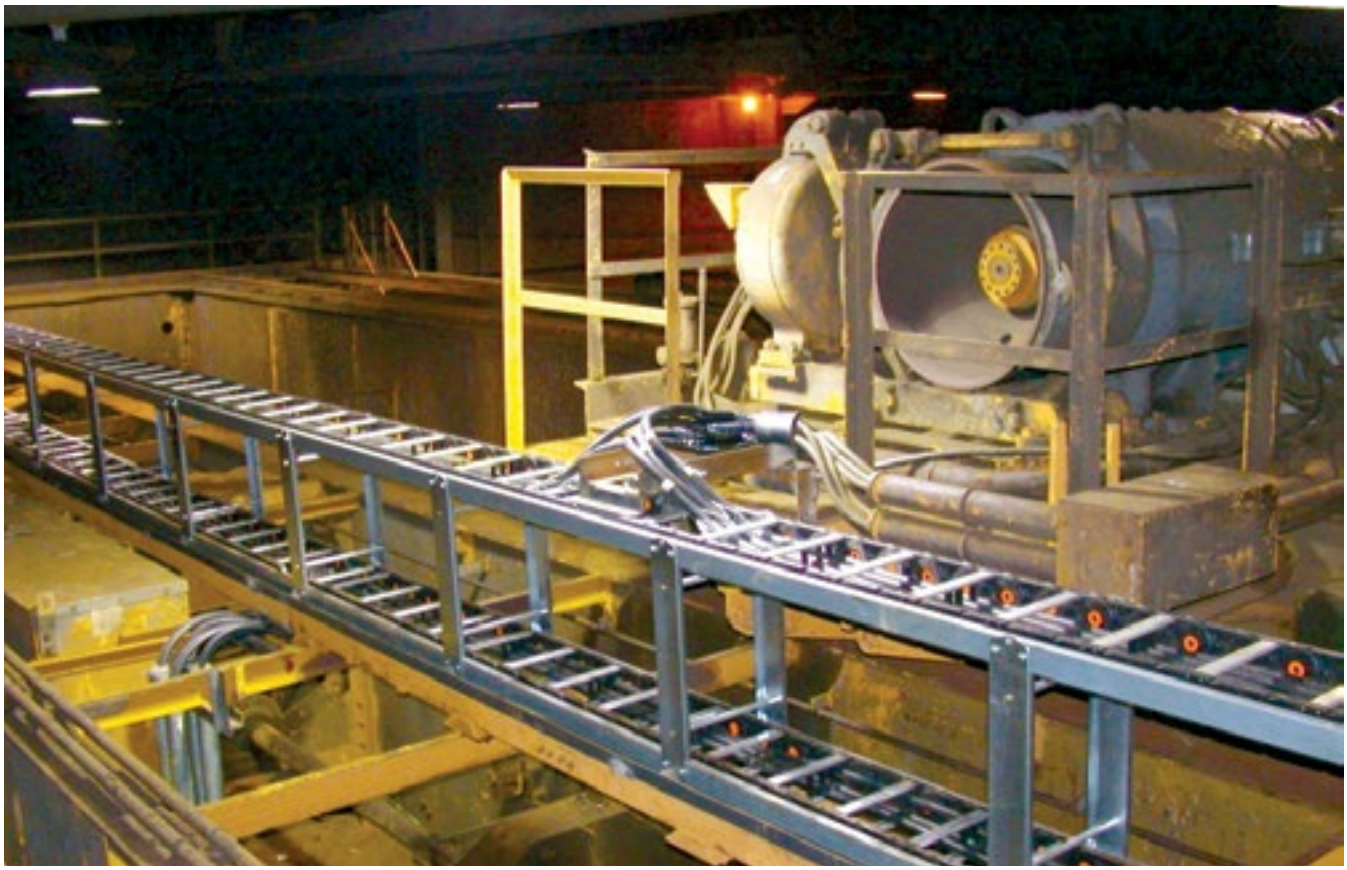
PLASTIC CARRIERS | APPLICATION EXAMPLES

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.

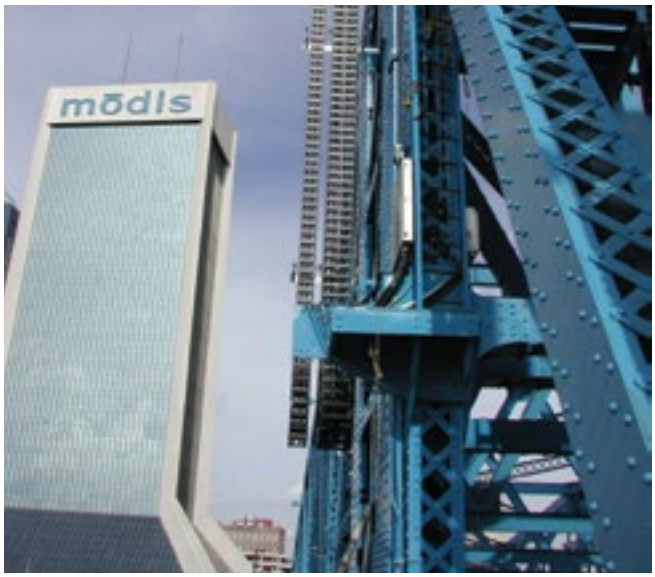
A long travel side-mounted TSC carrier (shown at the right) is customized with window extenders equipped with double poly rollers to accommodate hoses along outer radius while keeping cables organized within inner radius due to link height restriction.

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.

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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.

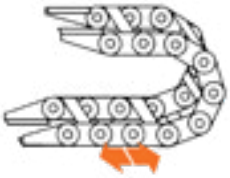
Enclosed-style Gortrac steel XL carrier in steel cable heat-treating application for unsupported long travel. Armor plates protect cables in aggressive environments.

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

Nested Gortrac SRC Series carriers protect and guide hoses on this horizontal directional drilling machine by Universal HDD™.

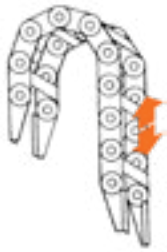
TRAVEL ORIENTATIONS

Horizontal Lower-Flange Fixed

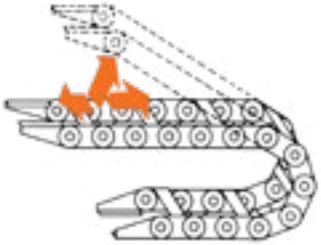


Horizontal Upper-Flange Fixed

Vertical Curve Down



Vertical Curve Up



Combination Vertical and Horizontal

Opposed

Nested Configuration

Side Mounted

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.

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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 website for 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 10-11
- Metal Carriers Quick Selection Guide: See pages 12-13

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.

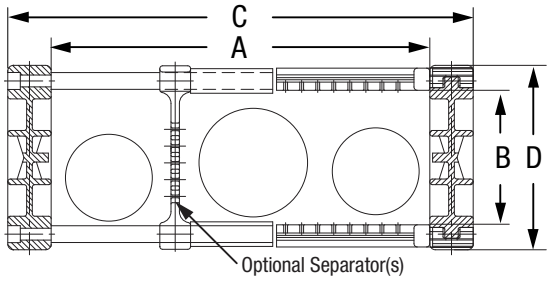
STEP 7: Check depot **(dimension K)** and curve height **(dimension H)** dimensions against potential space restrictions*.

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 series 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.

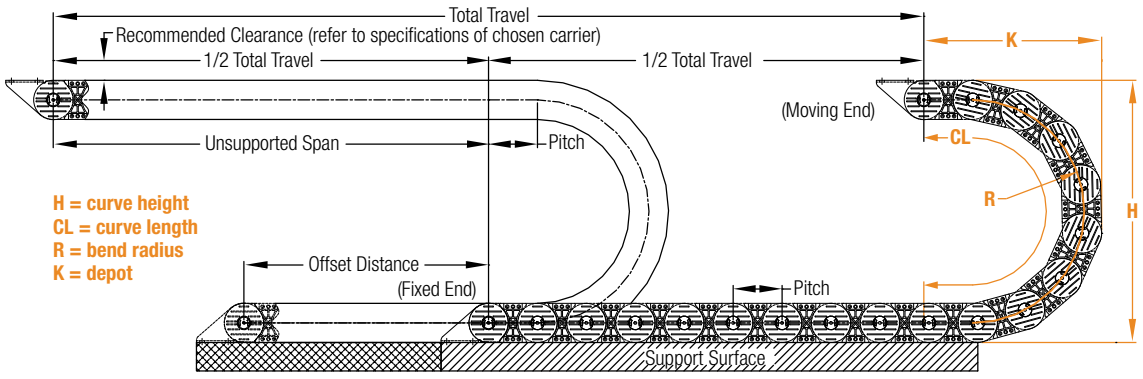


B = Cavity Height
(determined by the outer diameter of the largest cable/hose + safety factor)

A = Cavity Width
(determined by adding the outer diameters of all cables/hoses [= safety factor and divider widths])

C = Outer Width

D = Outer Height



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

QUICK SELECTION GUIDE: PLASTIC CARRIERS (PG 1 OF 2)

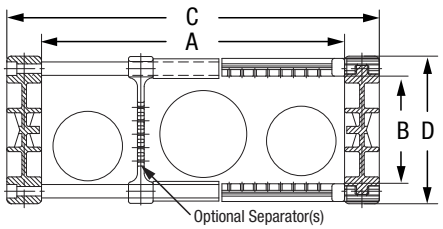
MODEL	CAVITY HEIGHT Dimension B inches (mm)	CAVITY WIDTH Dimension A inches (mm)	OUTER HEIGHT Dimension D inches (mm)	OUTER WIDTH Dimension C inches (mm)	LINK PITCH inches (mm)
NYLATRAC® OPEN-STYLE PLASTIC CARRIERS					
K00	.28 (7)	.28 (7)	.39 (10)	.47 (12)	.59 (15)
K0	.39 (10)	.39 (10)	.59 (15)	.60 (15.)	.79 (20)
K02 / K03 / K04	.38 (10)	.97 (25) - 1.87 (47)	.59 (15)	1.47 (37) - 2.36 (60)	.79 (20)
K20 / K30	.71 (18)	.98 (25) - 1.42 (36)	.87 (22)	1.49 (38) - 1.89 (48)	1.18 (30)
KN	.40 (10)	.97 (25) - 1.87 (47)	.59 (15)	1.48 (38) - 2.36 (60)	.79 (20)
SP	.78 (20)	.59 (15) - 4.00 (102)	1.05 (27)	1.05 (27) - 4.46 (113)	1.20 (30)
KS	1.06 (27)	1.00 (25) - 4.00 (102)	1.37 (35)	1.56 (40) - 4.56 (116)	1.80 (46)
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)
NP	1.54 (39)	2.00 (51) - 6.00 (152)	2.00 (51)	2.63 (67) - 6.63 (168)	2.17 (55)
KL	1.75 (44)	3.00 (76) - 7.00 (178)	2.50 (64)	3.75 (95) - 7.75 (197)	2.62 (67)
NSB*	.62 (16) - .73 (19)	Customer Specified	1.38 (35)	Specified Width + .94 (24)	1.97 (50)
TSC-MB	1.65 (42)	2.18 (55) - 5.97 (152)	2.30 (58)	Specified Width + .85 (22)	2.64 (67)
TSC*	1.52 (39) - 1.65 (42)	Customer Specified	2.30 (58)	Specified Width + .85 (22)	2.64 (67)
TS-MB	2.31 (59)	2.93 (74) - 13.57 (345)	3.25 (82)	4.45 (113) - 15.09 (383)	4.06 (103)
TS*	2.13 (54) - 2.38 (60)	Customer Specified	3.25 (82)	Specified Width + 1.52 (39)	4.06 (103)
TL-MB	3.01 (76)	3.93 (100) - 13.63 (346)	4.13 (105)	5.87 (149) - 15.57 (395)	5.16 (131)
TL*	2.88 (73) - 3.05 (78)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)
NXL*	3.94 (100) - 4.77 (121)	Customer Specified	5.91 (150)	Specified Width + 2.50 (64)	7.38 (187)
*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)
KOE3	.83 (21)	1.34 (34)	1.18 (30)	1.97 (50)	1.38 (35)
KOE4	1.18 (30)	1.89 (48)	1.58 (40)	2.44 (62)	1.77 (45)
KOE5	1.50 (38)	1.89 (48)	1.97 (50)	2.56 (65)	2.17 (55)
KOE6	1.50 (38)	5.28 (134)	1.97 (50)	5.91 (150)	2.17 (55)
N1 / N2 / N3	.90 (23)	.90 (23) - 2.48 (63)	1.38 (35)	1.38 (35) - 2.95 (75)	1.38 (35)
N4 / N5 / N6	1.34 (34)	1.42 (36) - 5.35 (136)	1.97 (50)	1.97 (50) - 5.91 (150)	1.97 (50)
N8	2.24 (57)	5.28 (134)	2.95 (75)	5.91 (150)	2.56 (65)
KLE	1.76 (45)	3.00 (76) - 7.00 (178)	2.50 (64)	3.75 (95.25) - 7.75 (197)	2.13 (54)
NYLATRAC ENCLOSED-STYLE PLASTIC CARRIERS					
TSC-PL (Plastic Lid)	1.65 (42)	Customer Specified	2.30 (58)	Specified Width + .85 (22)	2.64 (67)
TS-PL (Plastic Lid)	2.13 (54)	Customer Specified	3.25 (83)	Specified Width + 1.52 (39)	4.06 (103)
TS-AP (Aluminum Lid)	2.22 (56)	Customer Specified	3.25 (83)	Specified Width + 1.52 (39)	4.06 (103)
TL-PL (Plastic Lid)	2.88 (73)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)
TL-AP (Aluminum Lid)	2.96 (75)	Customer Specified	4.13 (105)	Specified Width + 1.94 (49)	5.16 (131)
NXL-AP (Aluminum Lid)	4.16 (106)	Customer Specified	5.91 (150)	Specified Width + 2.50 (64)	7.38 (187)

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



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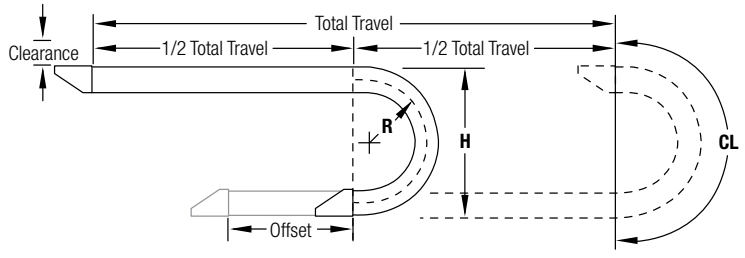
QUICK SELECTION GUIDE: PLASTIC CARRIERS (PG 2 OF 2)

MINIMUM BENDING RADIUS Dimension R inches (mm)	CURVE HEIGHTS Dimension H inches (mm)	MAXIMUM UNSUPPORTED SPAN feet	SEPARATORS AVAILABLE	PAGE NUMBER(S)	MODEL
.59 (15)	1.57 (40)	1.5	No	34-35	K00
1.20 (30)	3.00 (76)	1.75	No	34-35	K0
.70 (18) - 1.20 (30)	2.00 (51) - 3.00 (76)	1.75	No	34-35	K02 / K03 / K04
1.57 (40) - 2.57 (65)	3.02 (92) - 6.48 (162)	3.25	No	34-35	K20 / K30
.70 (17.78) - 1.20 (30)	2.00 (51) - 3.00 (76)	1.75	No	36-37	KN
1.05 (27) - 3.73 (95)	3.15 (80) - 8.50 (216)	3	Yes	38-39	SP
2.02 (51) - 5.87 (149)	5.40 (137) - 13.00 (330)	3.8	Yes	40-41	KS
1.25 (32) - 4.25 (108)	4.00 (102) - 10.00 (254)	P 3.5 / PH 3.25	No	42-43	P / PH
2.50 (64) - 7.87 (200)	7.00 (178) - 18.00 (457)	5.25	Yes	44-45	NP
3.00 (76) - 11.75 (298)	8.50 (216) - 26.00 (660)	7	Yes	46-47	KL
2.39 (61) - 3.06 (78)	6.19 (157) - 7.63 (194)	4	Yes	54-55	NSB*
2.95 (75) - 13.78 (350)	8.20 (208) - 29.86 (758)	7.5	Yes	56-57	TSC-MB
2.95 (75) - 13.78 (350)	8.20 (208) - 29.86 (758)	7.5	Yes	56-57	TSC*
3.88 (99) - 16.13 (410)	11.00 (279) - 35.50 (902)	12.5	Yes	58-59	TS-MB
3.88 (99) - 16.13 (410)	11.00 (279) - 35.50 (902)	12.5	Yes	58-59	TS*
5.81 (148) - 24.69 (627)	15.75 (400) - 53.50 (1359)	14.75	Yes	60-61	TL-MB
5.81 (148) - 24.69 (627)	15.75 (400) - 53.50 (1359)	14.75	Yes	60-61	TL*
9.05 (230) - 27.05 (687)	24.00 (610) - 60.00 (1524)	18	Yes	62-63	NXL*
1.18 (30) - 1.97 (50)	3.00 (76) - 4.50 (114)	2	No	48-49	KOE1
2.36 (60) - 3.94 (100)	5.90 (150) - 13.00 (330)	2.5	No	48-49	KOE3
2.95 (74.93) - 5.91 (150)	7.50 (20) - 13.40 (340)	5	No	48-49	KOE4
3.94 (101) - 5.91 (150)	9.90 (251) - 13.80 (351)	7	No	48-49	KOE5
3.94 (101) - 5.91 (150)	9.90 (251) - 13.80 (351)	7	No	48-49	KOE6
3.30 (84) - 5.91 (150)	8.00 (203) - 13.20 (335)	N1 2.75 / N2 3 / N3 4	No	50-51	N1 / N2 / N3
3.94 (100) - 7.87 (200)	9.80 (249) - 17.70 (450)	N4 5 / N5 5.25 / N6 5.5	No	50-51	N4 / N5 / N6
5.91 (150) - 11.81 (300)	14.80 (376) - 26.60 (676)	6.1	No	50-51	N8
3.75 (95) - 11.75 (298)	10.00 (254) - 26.00 (660)	7	No	52-53	KLE
4.92 (125) - 13.78 (350)	12.14 (308) - 29.86 (758)	7.5	Yes	56-57	TSC-PL (Plastic Lid)
6.81 (173) - 16.13 (410)	16.88 (429) - 35.50 (902)	12.5	Yes	58-59	TS-PL (Plastic Lid)
6.81 (173) - 16.13 (410)	16.88 (429) - 35.50 (902)	12.5	Yes	58-59	TS-AP (Aluminum Lid)
7.94 (202) - 24.69 (627)	20.00 (508) - 53.50 (1359)	14.75	Yes	60-61	TL-PL (Plastic Lid)
7.94 (202) - 24.69 (627)	20.00 (508) - 53.50 (1359)	14.75	Yes	60-61	TL-AP (Aluminum Lid)
12.05 (306) - 27.05 (687)	30.00 (762) - 60 (1524)	18	Yes	62-63	NXL-AP (Aluminum Lid)



Visit Dynatect.com for 2D and 3D drawings.

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

QUICK SELECTION GUIDE: METAL CARRIERS (PG 1 OF 2)

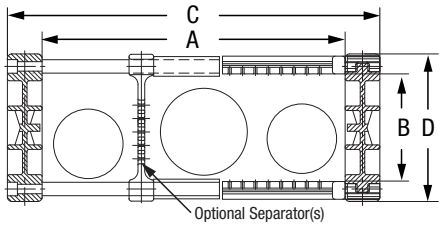
MODEL	CAVITY HEIGHT Dimension B inches (mm)	CAVITY WIDTH Dimension A inches (mm)	OUTER HEIGHT Dimension D inches (mm)	OUTER WIDTH Dimension C inches (mm)	LINK PITCH inches (mm)
GORTRAC® OPEN-STYLE METAL CARRIERS					
SA	.89 (22)	1.29 (33)	1.00 (25)	1.29 (33)	1.25 (32)
SB*	.62 (16) - .75 (19)	Customer Specified	1.38 (35)	Specified Width + .50 (13)	2.00 (51)
SC*	1.21 (31) - 1.38 (35)	Customer Specified	2.00 (51)	Specified Width + .50 (13)	2.40 (61)
MA*	1.50 (38) - 1.73 (44)	4.50 (114) - 5.50 (140)	2.00 (51)	4.88 (124) - 5.88 (149)	2.50 (64)
MRC*	1.08 (27) - 1.25 (32)	Customer Specified	2.00 (51)	Specified Width + .62 (16)	3.00 (76)
SX*	1.76 (45) - 2.00 (51)	Customer Specified	3.20 (81)	Specified Width + .58 (15)	4.00 (102)
SRC*	1.76 (45) - 1.97 (50)	Customer Specified	3.00 (76)	Specified Width + .69 (18)	4.00 (102)
LRC*	2.76 (70) - 2.97 (75)	Customer Specified	4.00 (102)	Specified Width + .69 (18)	5.00 (127)
XL6*	3.86 (98) - 4.08 (104)	Customer Specified	5.91 (150)	Specified Width + 1.25 (32)	7.38 (188)
XX6*	4.18 (106) - 4.40 (112)	Customer Specified	6.00 (152)	Specified Width + 0.81 (21)	7.38 (188)
XL8*	5.82 (148) - 6.05 (154)	Customer Specified	7.87 (200)	Specified Width + 1.25 (32)	9.33 (237)
XL10*	8.09 (206) - 8.32 (211)	Customer Specified	9.84 (250)	Specified Width + 1.25 (32)	11.67 (296)
*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)
LRC-AP (Aluminum Armor Plate)	2.76 (70)	Customer Specified	4.00 (102)	Specified Width + .69 (18)	5.00 (127)
XL6-AP (Aluminum Armor Plate)	4.17 (106)	Customer Specified	5.91 (150)	Specified Width + 1.25 (32)	7.38 (188)
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

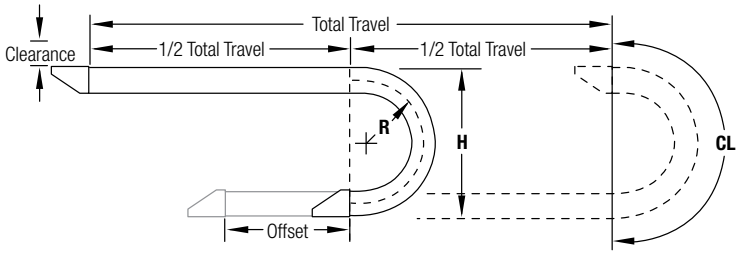
B = Cavity Height (determined by the outer diameter of the largest cable/hose + safety factor)

A = Cavity Width (determined by adding the outer diameters of all cables/hoses [= safety factor and divider widths])

C = Outer Width

D = Outer Height





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QUICK SELECTION GUIDE: METAL CARRIERS (PG 2 OF 2)

MINIMUM BENDING RADIUS Dimension R inches (mm)	CURVE HEIGHTS Dimension H inches (mm)	MAXIMUM UNSUPPORTED SPAN feet	SEPARATORS AVAILABLE	PAGE NUMBER(S)	MODEL
1.25 (32)	3.50 (89)	6.2	No	70-71	SA
2.06 (52)	5.50 (140)	7	Yes	72-73	SB*
2.75 (70) - 5.62 (143)	7.50 (191) - 13.25 (337)	10.5	Yes	72-73	SC*
2.00 (51) - 5.63 (143)	6.00 (152) - 13.25 (337)	14	No	74-75	MA*
2.75 (70) - 7.50 (191	7.50 (191) - 17.00 (432)	15.8	Yes	76-77	MRC*
3.47 (88) - 12.06 (306)	10.13 (257) - 27.31 (694)	21.25	Yes	78-79	SX*
4.00 (102) 12.25 (311)	11.00 (279) - 27.50 (699)	21.75	Yes	80-81	SRC*
5.50 (140) - 24.25 (616)	15.00 (381) - 52.50 (1334)	24	Yes	80-81	LRC*
10.05 (255) - 29.55 (750)	26.00 (660) - 65.00 (1651)	31.5	Yes	84-85	XL6*
10.00 (254) - 27.00 (686)	26.00 (660) - 60.00 (1524)	28	Yes	82-83	XX6*
10.57 (268) - 36.07 (916)	29.00 (737) - 80.00 (2032)	35	Yes	86-87	XL8*
19.08 (485) - 35.08 (891)	48.00 (1219) - 80.00 (2032)	40	Yes	86-87	XL10*
5.25 (133) - 12.25 (311)	13.50 (343) - 27.50 (699)	21.25 ft	Yes	80-81	SRC-AP (Aluminum Armor Plate)
8.00 (203) - 24.25 (616)	20.00 (508) - 52.50 (1334)	24 ft	Yes	80-81	LRC-AP (Aluminum Armor Plate)
15.80 (401) - 29.55 (750)	37.50 (953) - 65.00 (1651)	31.5 ft	Yes	84-85	XL6-AP (Aluminum Armor Plate)
1.80 (46) - 13.80 (351)	4.40 (112) - 30.70 (780)	Varies	No	88-91	Gortube (Various)

Visit Dynatect.com for 2D and 3D drawings.

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

CABLE/HOSE CARRIERS | QUOTE REQUEST FORM

Date Needed By _____ Address _____
Company Name _____ City _____ State/Prov. _____
Contact _____ Country _____ Zip/Postal Code _____
Quantity _____ Telephone _____ Fax _____
Email _____

1. Quote For

☐ New Design: ☐ Dynatect Part Number: _____ ☐ Dynatect Recommendation
☐ Existing Design: Brand: _____ Part #: _____ Length/# of Links: _____ ☐ Drawing Available?
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)

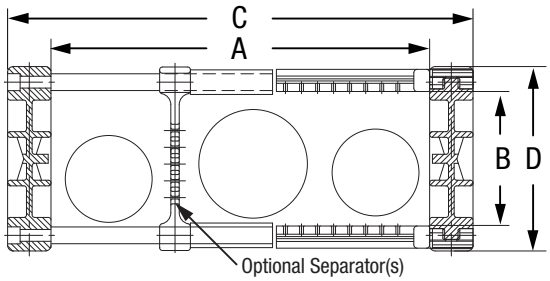
B = Cavity Height: _____
(determined by the outer diameter of the largest cable/hose + safety factor)

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

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

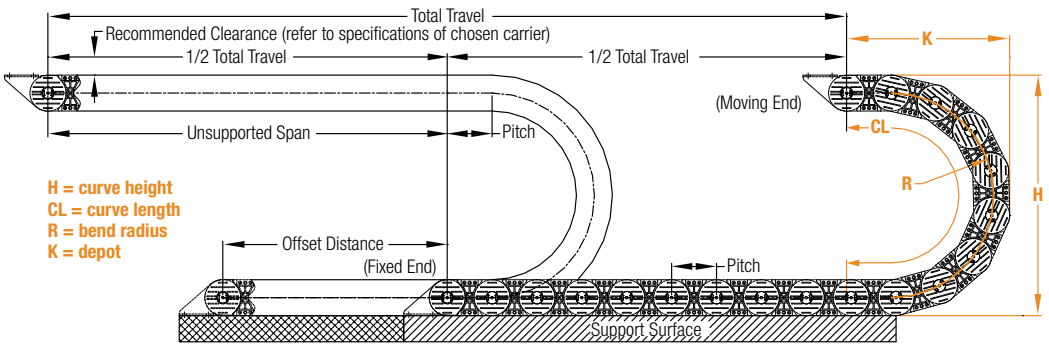
Cable/Hose Safety Factor:
Cables: +10% Hoses: +20%

Vertical Separators? ☐ Yes ☐ No (Quantity: _____)



3. Travel Requirements

Dimensions specified in: ☐ Inches ☐ Millimeters



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"): _____

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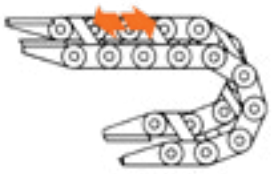
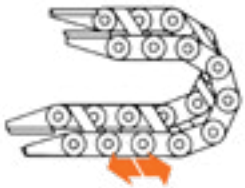
CABLE/HOSE CARRIERS | QUOTE REQUEST FORM

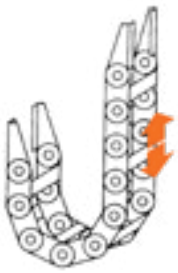
4. Travel Orientation



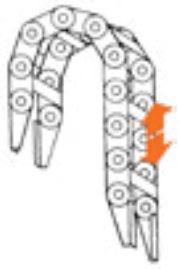
☐ Horizontal Lower-Flange Fixed



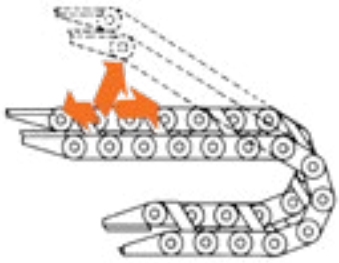
☐ Horizontal Upper-Flange Fixed



☐ 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: _____

_____

_____

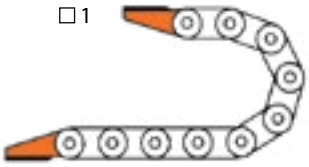
Material Preference: ☐ Steel ☐ Plastic ☐ No Preference ☐ Other: _____

Style Preference: ☐ Enclosed ☐ Open

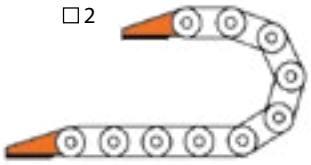
6. Bracket Configuration

Note: Default bracket configuration is #1-Inward.

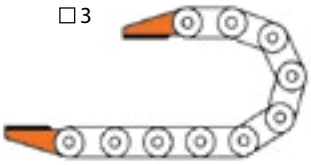
☐ 1



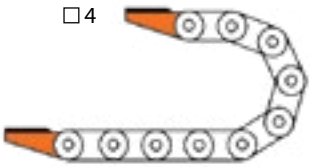
☐ 2



☐ 3



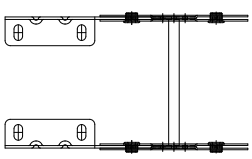
☐ 4



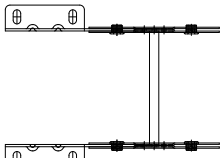
Mounting Holes Inward or Outward of Link (if Applicable to Carrier Series)

Fixed End: ☐ IN ☐ OUT Moving End: ☐ IN ☐ OUT

☐ Non-Standard Mounting Brackets (provide drawing)



Brackets Inward (IN)



Brackets Outward (OUT)

LONG TRAVEL SOLUTIONS | GUIDE TROUGHS

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.

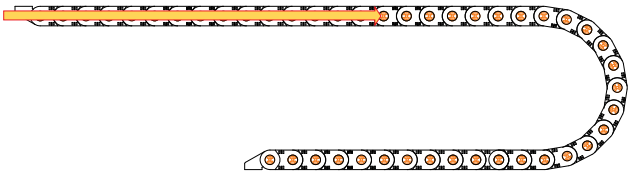
For guide trough layout drawings, contact sales or visit dynatect.com.

LOWERED MOUNTING HEIGHT

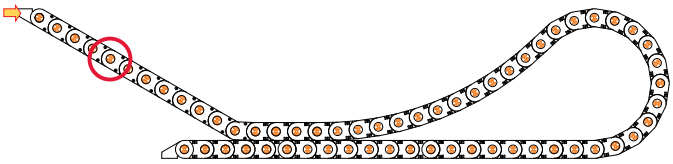
An important consideration for applications requiring plastic carriers in a guide trough is the bending moment that occurs at the moving end as the carrier is pushing, particularly when high velocities/accelerations and heavy fill weights are introduced.

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 depot ('K' dimension) of the carrier. Dynatect can run tow force calculations on an application to determine whether a lowered mounting height is advisable.

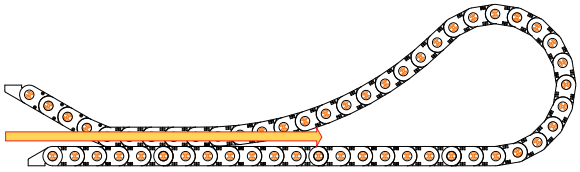
If the moving end cannot be lowered due to application restrictions, a "push plate" may be utilized. If the moving end cannot be mounted at the recommended mounting height, a push plate provides additional support to the carrier system at the bending moment that occurs at the moving end as the carrier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



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



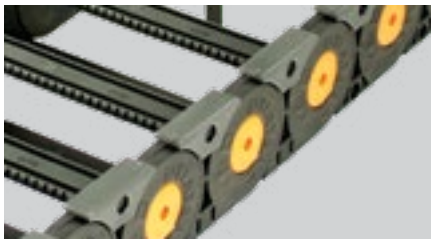
As sag is introduced, the mass of the carrier falls below the force plane, creating a bending moment on the links at the moving end.



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.

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.



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LONG TRAVEL SOLUTIONS | SUPPORT ROLLERS

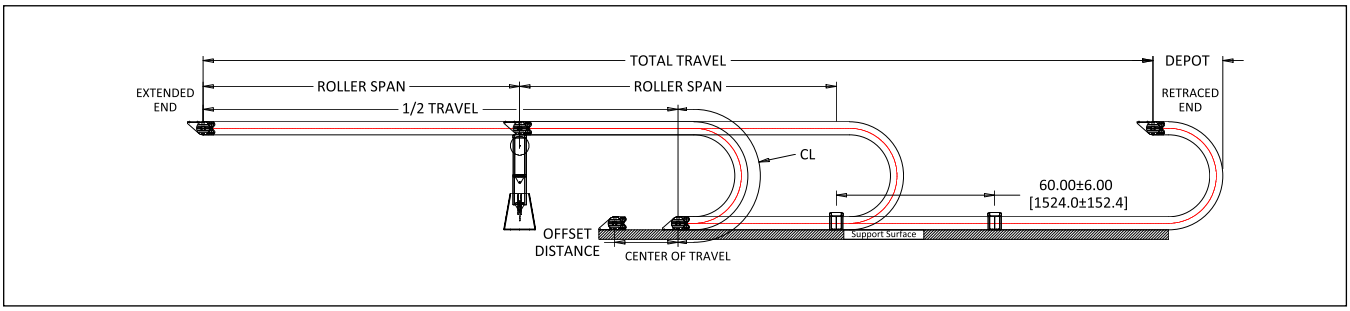
STATIONARY SUPPORT ROLLERS

Stationary support rollers are available for unsupported spans that exceed the maximum lengths listed on a specific track series load chart.

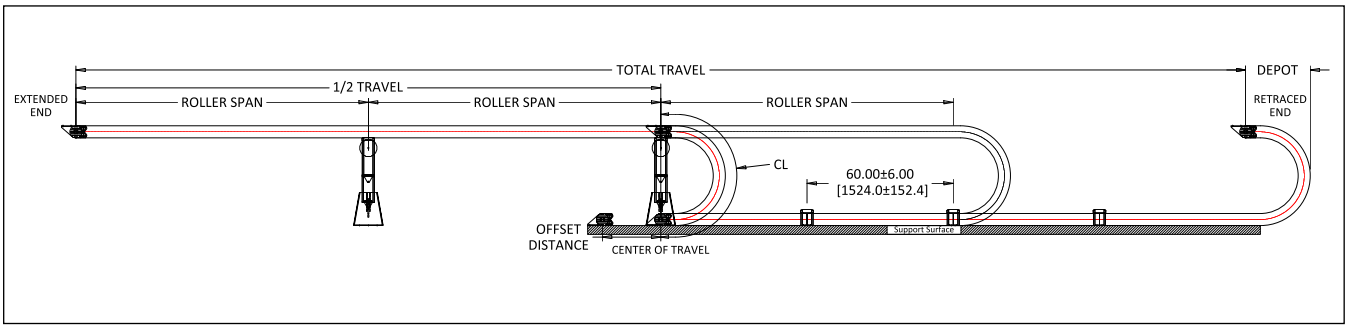
Support Rollers for Metal Carriers: Single support roller systems provide a 50% increase in total travel capability. Double support roller systems provide a 100% increase in total travel capability.

Support Rollers for Plastic Carriers: Single support roller systems provide a 25% increase in total travel capability. Double support roller systems provide a 75% increase in total travel capability.

SINGLE SUPPORT ROLLER SYSTEM



DOUBLE SUPPORT ROLLER SYSTEM



ARTICULATING ROLLER SUPPORT (ARS) LONG TRAVEL SYSTEM

A LONG TRAVEL SOLUTION FOR PLASTIC CARRIERS THAT ELIMINATES GUIDE TROUGHS

Dynatect's ARS Long Travel Support System is the evolution of 50 years of experience. Its unique, patented design adds articulating rollers that are positioned to support a standard plastic carrier and provide travels up to 300 feet without a guide trough.

For comparably sized systems, the ARS Long Travel Support System **features**:

- Lower total cost of ownership (TOC)
- Eliminates up to 50% of the force required to push and pull in most applications
- Up to 2X travel than any other roller solution without a guide trough
- 50% less average installation time than long travel systems with guide troughs
- Priced typically 10% less than long travel systems with guide troughs
- Capable of operating speeds up to 5 feet per second
- Reduces retracted storage area
- Allows for greater acceleration than traditional gliding long travel solutions
- Significantly improves safety factors in high tow force applications
- Eliminates up to 20% of the weight of a combined plastic carrier and trough in most applications

The ARS system eliminates the need for guide troughs and associated wear in travels up to 300 feet while reducing tow force and installation time by an average of 50%.

Dynatect has a variety of long travel carrier solutions that **eliminate**:

- Guide troughs and associated installation and maintenance costs
- Glide shoes; wear blocks; integral or mechanically actuated rollers
- Push plates, rail extenders, and modified tow arm and mounting requirements
- Wear and tow force spikes from alignment/failure of the above accessories

ARS SYSTEM PERFORMANCE VERSUS GUIDE TROUGH

	PLASTIC + GUIDE TROUGH	ARS SYSTEM
Low Initial Cost	1.0x	0.9x
Low Install Time	Default	Better
Low Maintenance (TOC)	Default	Better
Low Noise	Default	Better
Operating Space Required	Equivalent	Equivalent
High Particulate/Chips	Default	Better
Gliding Friction	1.0x	0.1x
Pivot Point Wear	Uneven	Even
High Speed	Equivalent	Equivalent
Braking-Force	Equivalent	Equivalent
Overall System Weight	1.0x	0.8x

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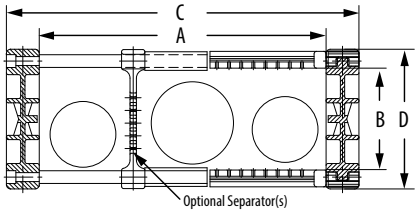
ARTICULATING ROLLER SUPPORT (ARS) LONG TRAVEL SYSTEM

SPECIFICATIONS FOR NYLATRAC® TS & TL SERIES

LINK DIMENSIONS

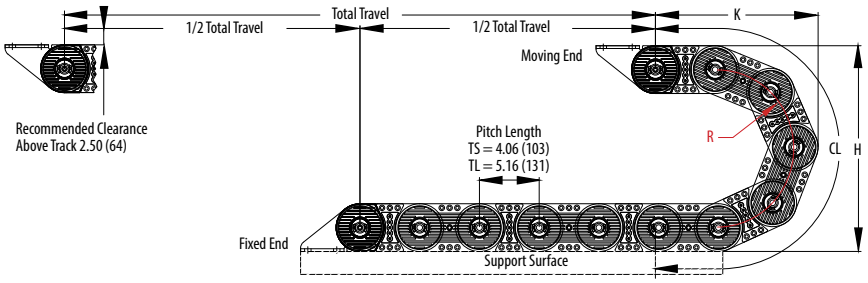
MODEL NO.	A - CAVITY WIDTH inches (mm)	*B - CAVITY HEIGHT inches (mm)	C - OUTER WIDTH inches (mm)	D - OUTER HEIGHT inches (mm)
TS	Customer Specified	2.13 - 2.38 (54 - 60)	TS = A + 1.52 (39)	3.25 (83)
TL	Customer Specified	2.88 - 3.05 (73 - 76)	TL = A + 1.94 (49)	4.13 (105)

*Depends on crossbar style



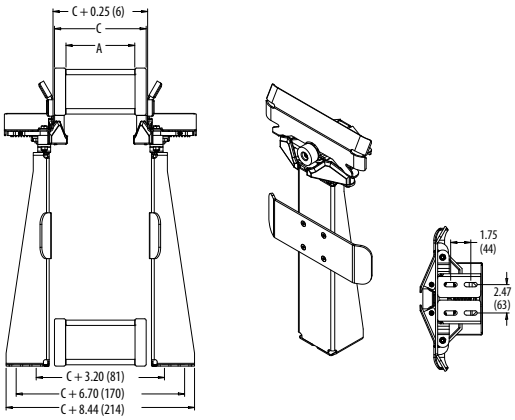
CURVE HEIGHTS

SERIES - HEIGHT	R inches (mm)	H (CURVE HEIGHT) inches (mm)	K inches (mm)	CL inches (mm)
TS - 170	6.81 (173)	16.88 (429)	12.50 (318)	29.53 (750)
TS - 200	8.31 (211)	19.88 (505)	14.00 (356)	34.24 (870)
TS - 245	10.56 (268)	24.38 (619)	16.25 (413)	41.31 (1049)
TS - 275	12.13 (308)	27.50 (699)	17.81 (452)	46.22 (1174)
TS - 360	16.13 (410)	35.50 (902)	21.81 (554)	58.78 (1493)
TL - 200	7.94 (202)	20.00 (508)	16.70 (424)	35.25 (895)
TL - 237	9.81 (249)	23.75 (603)	18.50 (470)	41.00 (1041)
TL - 275	11.75 (298)	27.63 (702)	20.50 (521)	47.00 (1194)
TL - 350	15.63 (397)	35.38 (899)	24.40 (620)	59.00 (1499)



Travel/2 + CL (+ Offset Distance From Center*) = Length (Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.)

ARTICULATING WHEEL SET DIMENSIONS



CROSSBAR STYLES	WEIGHT - lb/ft (kg/m)
Round Bar (RB)	TS-RB = 2.45 (3.65) / TL-RB = 3.42 (5.09)
Poly Roller (PR)	TS-PR = 2.69 (4.00) / TL-PR = 3.72 (5.54)
*Aluminum Flat Bar (AF)	TS-AF = 4.93 (7.34) / TL-AF = 5.21 (7.76)
*Plastic Lid (PL)	TS-PL = 4.33 (6.44) / TL-PL = 5.21 (7.75)
*Aluminum Armor Plate (AP)	TS-AP = 6.39 (9.51) TL-AP = 7.56 (11.25)

*Snap-in bar/lid options available on outside radius only.

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

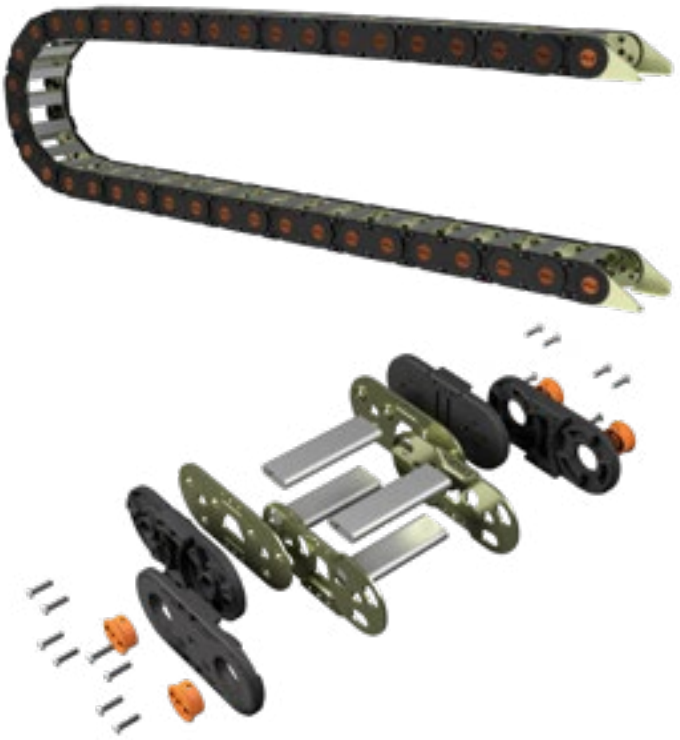
HYBRID CARRIER LONG TRAVEL SYSTEM

A LONG TRAVEL SOLUTION THAT ELIMINATES GUIDE TROUGHS

Dynatect's Hybrid Travel Support System is the evolution of 50 years of experience. Its unique, patented design consists of a modular plastic carrier with a metallic insert, delivering a truly revolutionary solution for long travel cable and hose management.

For comparably sized systems, the Hybrid Long Travel Support System **features**:

- Lowest total cost of ownership (TCO) than any long travel carrier solution
- Eliminates up to 50% of the force required to push and pull in most applications
- Less space required than any long travel carrier solution
- Up to 2X unsupported travel than any plastic carrier solution
- 50% less average installation time than long travel systems with guide troughs
- Price 10% less than long travel systems with guide troughs
- The only long travel carrier solution that completely **eliminates**:
  - Guide troughs and associated installation and maintenance costs
  - Glide shoes; wear blocks; integral or mechanically actuated rollers
  - Push plates, rail extenders, and modified tow arm and mounting requirements
  - Wear and tow force spikes from alignment/failure of the above accessories
- Capable of operating speeds up to 5 ft./second
- Reduces retracted storage area
- Allows for greater acceleration than traditional gliding long travel solutions
- Significantly improves safety factors in high tow force applications
- Eliminates up to 50% of the weight of a combined plastic carrier and trough in most applications



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HYBRID CARRIER LONG TRAVEL SYSTEM

A LONG TRAVEL SOLUTION THAT ELIMINATES GUIDE TROUGHS

FULL TRAVEL DISTANCES IN FEET*

	PLASTIC	HYBRID		
TRACK SIZE	Un-supported	Un-supported	Single Roller	Double Roller
NXL	27	57	75	100
TL	21	37	48	63
TS	17	28	37	50

*Travel distances are based on: carriers with 12" wide aluminum flat bars including 5 cavity separators, and 5lb/ft loading.`

IDEAL TRAVEL RANGE FOR HYBRID CARRIER SOLUTION**

For each carrier size, the following full travel distances are ideal for the Hybrid Long Travel Support System:

TRACK SIZE	HYBRID ONLY	HYBRID WITH 1 OR 2 SUPPORTS
NXL	28-56 ft.	57-100 ft.
TL	22-36 ft.	37-65 ft.
TS	18-28 ft.	29-50 ft.

**Calculations are based on: NXL, TL and TS carriers with 12" wide aluminum flat bars including 5 cavity separators and 5lb/ft. loading.

HYBRID LONG TRAVEL PERFORMANCE COMPARISON

	HYBRID	HYBRID + SUPPORT ROLLER	PLASTIC + GUIDE TROUGH
Low Initial Cost	0.9x	1.0x	1.0x
Low Install Time	Best	Better	Default
Low Maint (TCO)	Best	Better	Default
Low Noise	Best	Better	Default
Operating Space Required	0.8x	0.9x	1.0x
High Contamination	Best	Better	Default
Gliding Friction	0.0x	0.1x	1.0x
Pivot Point Wear	Even	Even	Uneven
High Speed	Equivalent	Equivalent	Equivalent
Corrosion Resistance	Equivalent	Equivalent	Equivalent
Snap-in shelving/separation	Equivalent	Equivalent	Equivalent
Braking-Force	1.3x	1.3x	1.0x
Snap-In Bar & Lid Options	None	None	Full
Low Radius Options	Fewer	Fewer	Full

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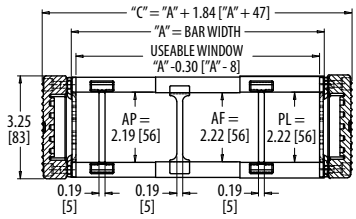
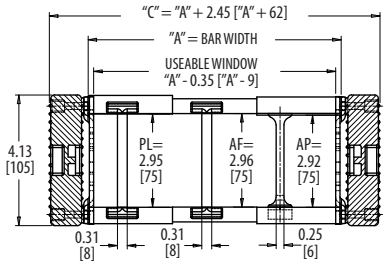
HYBRID CARRIER LONG TRAVEL SYSTEM

SPECIFICATIONS FOR NYLATRAC® HYBRID (HTS/HTL/NXL SERIES)

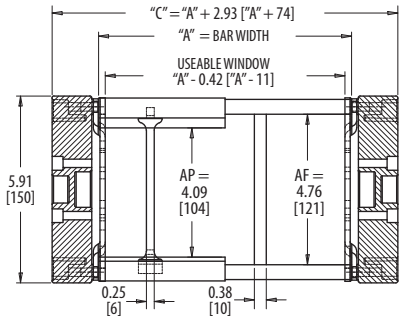
HTS CROSS SECTION



HTL CROSS SECTION

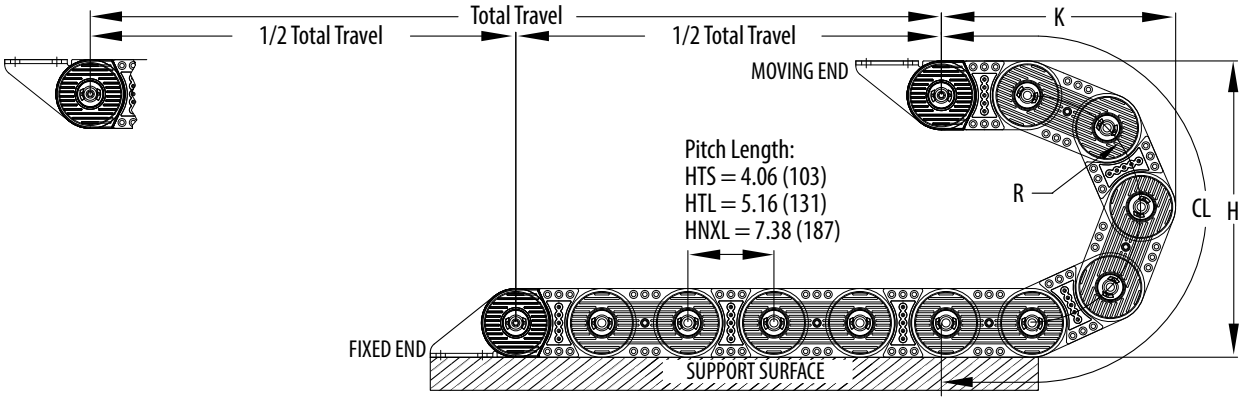


HNXL CROSS SECTION



CURVE HEIGHTS

SERIES - HEIGHT	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)	RECOMMENDED MOUNTING HEIGHT	RECOMMENDED CLEARANCE HEIGHT
HTS-170	6.64 (168.7)	16.53 (419.9)	12.22 (310.4)	28.441 (722.4)	17.50 (445.0)	19.50 (495.0)
HTS-200	7.98 (202.7)	19.2 (487.7)	13.46 (341.9)	32.504 (825.6)	20.25 (515.0)	22.25 (565.0)
HTS-245	9.99 (253.7)	23.19 (589.0)	16.35 (415.3)	40.63 (1032.0)	24.25 (615.0)	26.25 (665.0)
HTS-275	11.35 (288.3)	25.92 (658.4)	17.59 (446.8)	44.693 (1135.2)	27.00 (685.0)	29.00 (735.0)
HTS-360	15.06 (382.5)	33.34 (846.8)	21.54 (547.1)	56.882 (1444.8)	34.25 (870.0)	36.25 (920.0)
HTL-200	8.28 (210.3)	20.68 (525.4)	15.65 (397.5)	36.19 (919.2)	21.75 (550.0)	23.75 (605.0)
HTL-237	10.38 (263.7)	24.85 (631.1)	16.98 (431.4)	41.36 (1050.5)	25.75 (655.0)	27.75 (705.0)
HTL-275	12.45 (316.3)	28.90 (734.1)	20.95 (532.2)	51.7 (1313.2)	30.00 (760.0)	32.00 (815.0)
HTL-350	16.80 (426.8)	37.72 (958.0)	23.60 (599.3)	62.04 (1575.8)	38.75 (985.0)	40.75 (1035.0)
HTL-415	20.73 (526.4)	45.51 (1156.0)	29.10 (739.0)	77.55 (1969.8)	46.50 (1180.0)	48.50 (1230.0)
HTL-525	27.70 (703.5)	59.51 (1511.6)	35.43 (899.9)	98.23 (2495.0)	60.50 (1535.0)	62.50 (1590.0)
HNXL-272	10.8 (274.3)	27.18 (690.4)	23.02 (584.7)	51.723 (1313.8)	28.75 (730.0)	31.25 (795.0)
HNXL-319	13.32 (338.3)	32.37 (822.2)	25.20 (640.0)	59.112 (1501.4)	33.75 (855.0)	36.25 (920.0)
HNXL-366	15.71 (399.0)	37.19 (944.6)	27.48 (698.0)	66.501 (1689.1)	38.75 (985.0)	41.25 (1050.0)
HNXL-413	18.21 (462.5)	42.24 (1072.9)	29.71 (754.6)	73.89 (1876.8)	43.75 (1110.0)	46.25 (1175.0)
HNXL-460	20.68 (525.3)	47.22 (1199.4)	31.97 (812.0)	81.279 (2064.5)	48.75 (1240.0)	51.25 (1300.0)
HNXL-600	28.38 (720.9)	62.67 (1591.8)	38.6 (980.4)	103.116 (2627.5)	64.25 (1630.0)	66.75 (1695.0)



Travel/2 + CL (+ Offset Distance From Center*) = Length (Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.)

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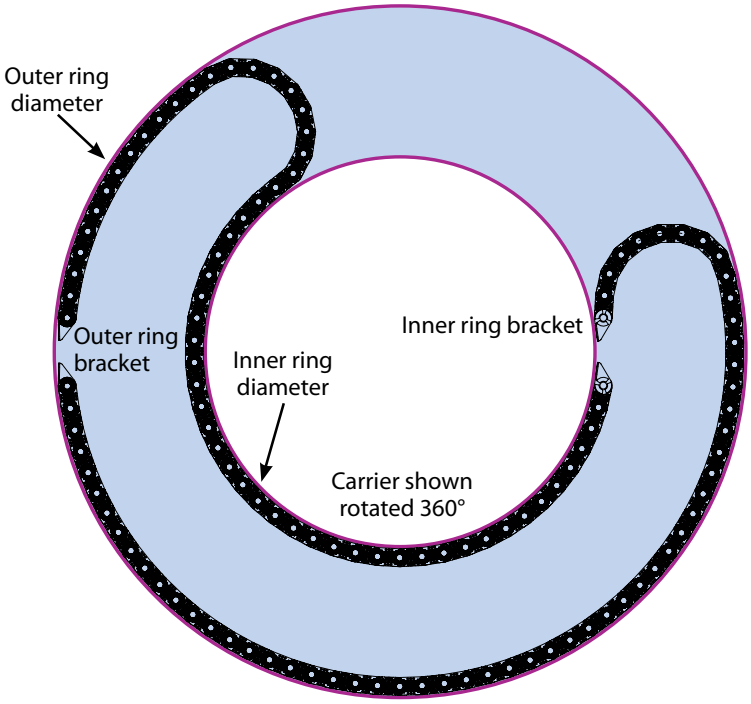
ROTATIONAL APPLICATIONS

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.)

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

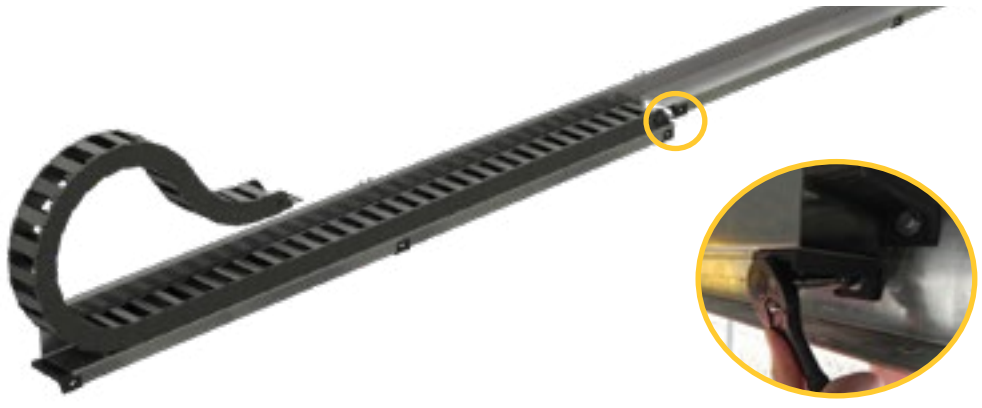
GORTRAC® QUICK TROUGH™

MODULAR TROUGH SYSTEM FOR CRANE KITS AND INDOOR CRANES

Dynatect's modular Quick Trough system has been designed for crane kits and most standard crane girders. It has been rigorously tested for trouble-free operation in industrial applications.

- Pairs with Nylatrac® TSC, KS, KL, NP and KLE Series carriers
- Maximum carrier width of 9 inches
- Loading up to 5 lbs./ft. (additional loading consult factory)
- Standard Quick Trough lengths of 6 ft. (can provide between 1 to 10 ft.)
- Ideal for most standard crane girders
- For wall- and side-mounted applications
- Designed and tested for cranes and industrial applications
- Save installation time up to 80% vs. standard guide trough
- Lighter weight and lower cost than standard guide trough

KEY FEATURE COMPARISON OF CABLE MANAGEMENT TECHNOLOGY	FESTOON	STANDARD GUIDE TROUGH WITH PLASTIC CARRIER	QUICK TROUGH WITH PLASTIC CARRIER
Cables are organized and protected inside a carrier preventing entanglement (Festoon is hanging free / loose / swinging freely)	Poor	Good	Good
Saves energy, cost, and complexity of separate motor to move cables (cables guided by tow arm attached to crane)	Poor	Good	Good
Works well with pneumatic hoses and tight bends	Poor	Good	Good
Supports both end-mount and center mounting of cable carrier	Poor	Good	Good
Minimize storage space (depot) for retracted cable	Poor	Good	Good
No interference – No hanging cables	Poor	Good	Good
Works with stacked cranes - No hanging cables	Poor	Good	Best



Mounting clips utilize standard bolting patterns to support fast installation. Drill templates available for retrofits or upon request.

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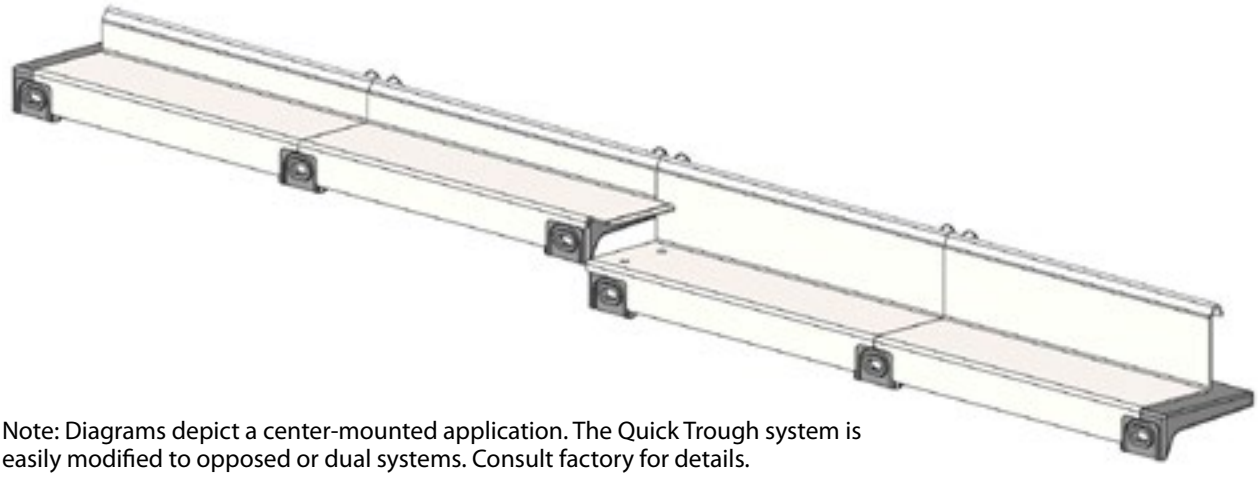
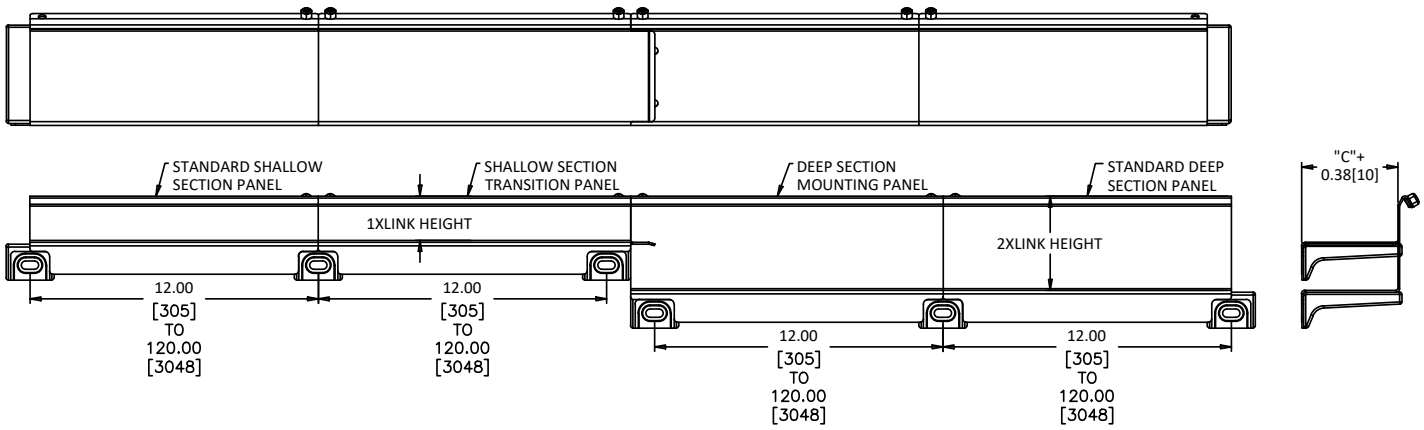
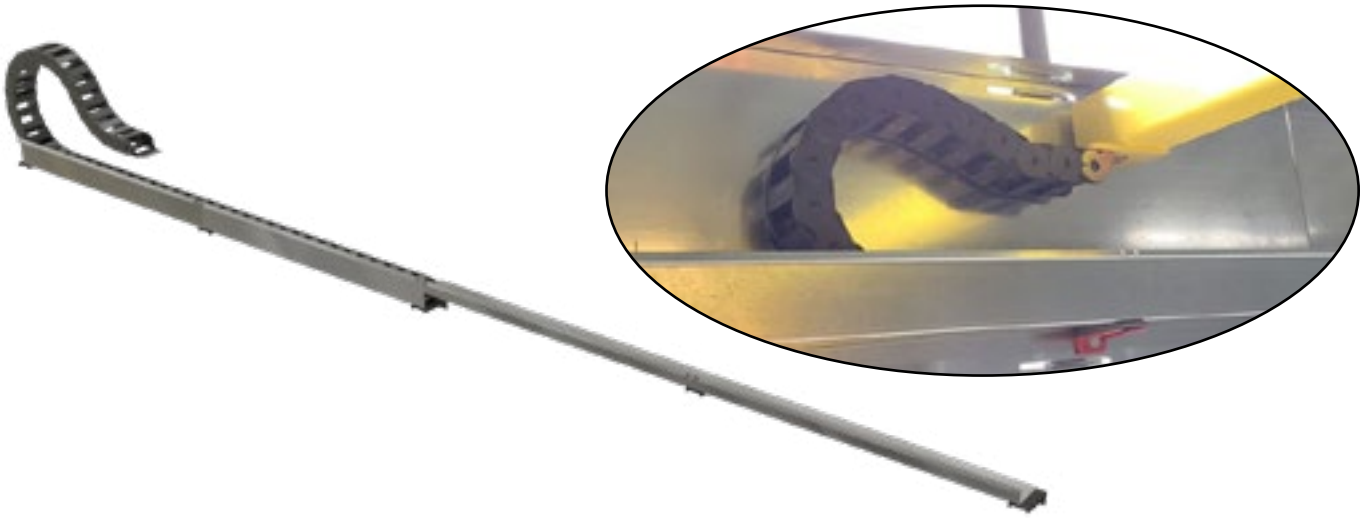
GORTRAC® QUICK TROUGH™

MODULAR TROUGH SYSTEM FOR CRANE KITS AND INDOOR CRANES



Note: Diagrams depict a center-mounted application. The Quick Trough system is easily modified to opposed or dual systems. Consult factory for details.





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

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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)

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. See page 16-22 for Long Travel Solutions
- 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

NSB Quick Sizing Reference:

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

TSC SERIES

Features:

- Multiple crossbar options, enclosed 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

TSC Quick Sizing Reference:

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

TS AND 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

TS Quick Sizing Reference – inches (mm):

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

TL Quick Sizing Reference – inches (mm):

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

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

NXL Quick Sizing Reference:

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

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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 hinged 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

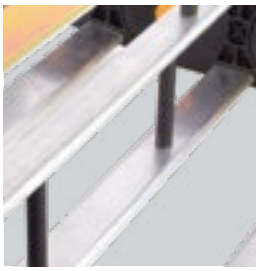
Aluminum round bar

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

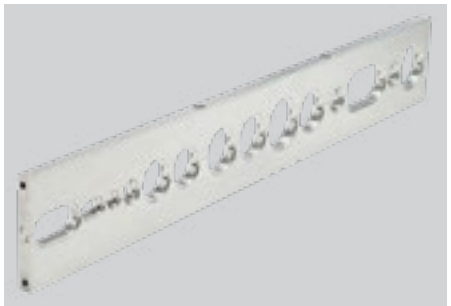
Poly roller over bolted aluminum round bar



Poly roller divider

PVC POLY ROLLERS

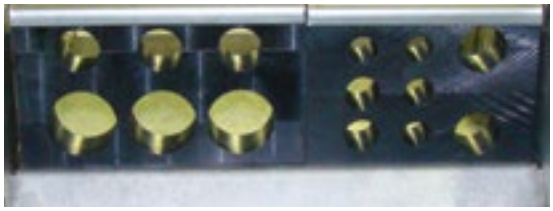
- Provide a low-friction, mechanical wear surface ideal for hoses and soft-jacketed cables
- Can be added to crossbars, vertical separators or horizontal dividers using round bars
- Denoted "PR" in part identification number
- Available on NSB, TSC, TS, TL and NXL Series



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

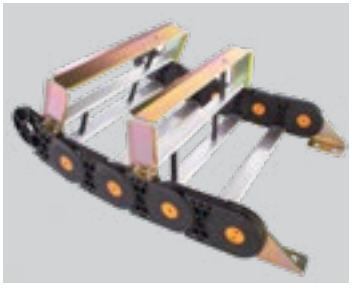
Aluminum machined bar



Plastic block style machined bar

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

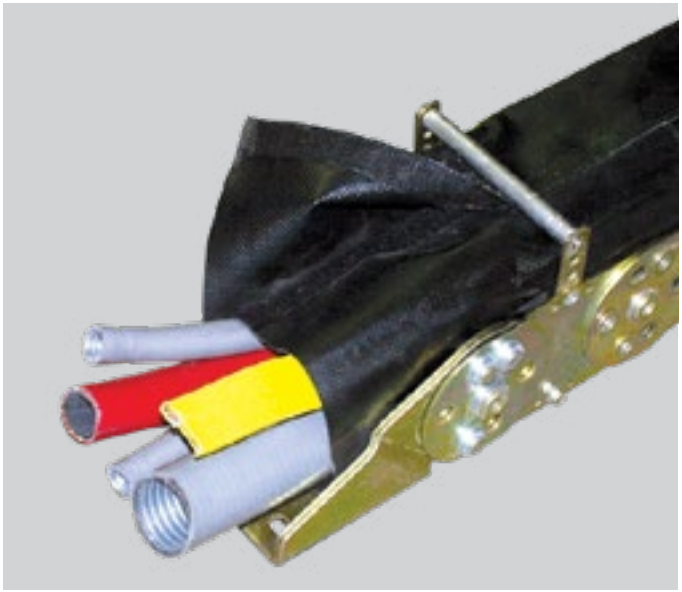
ARMOR PLATE STYLE ALUMINUM LIDS

- 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

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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

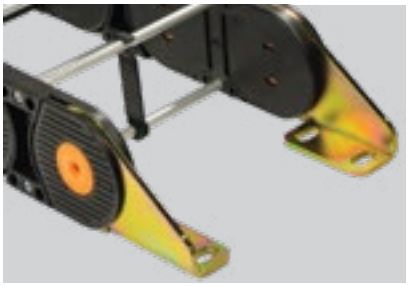
Gortrac Rail Clamping System

CABLE/HOSE CLAMPS

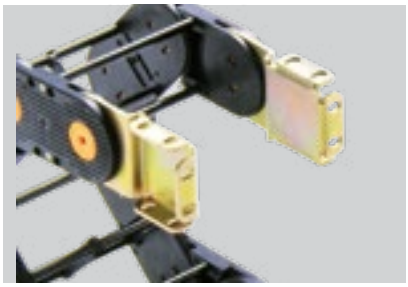
- Extend cable/hose life - relieves strain
- Standard and custom designs available
- Fast and simple installation in virtually any application
- Installation at both moving and stationary ends of a carrier recommended
- High pressure hose clamping requirements can be accommodated

Contact sales or see website for more information and specifications.

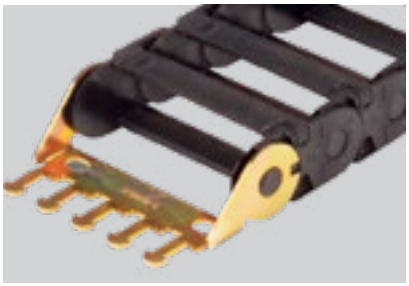
Standard One-Piece Bracket



Standard Two-Piece Bracket



Universal Mounting 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.

MATERIAL PROPERTIES | NYLATRAC®/NYLATUBE®

CHEMICAL RESISTANCE OF DURETHAN® POLYAMIDE RESINS

MEDIA	RATING
Acetic Acid, 5%	o
Acetic Acid, 30%	–
Acetone	+
Ammonia, 10%	+
Ammonia, Concentrated	+
Ammonium Nitrate, Saturated Solution	+
Ammonium Sulfate, Saturated Solution	+
Amyl Acetate	+
Aniline	o
Basic Chrome Sulfate, Concentrated	+
Baysilone® Fluid M 1000	+
Beer (lager) at 32°F	+
Benzene	+
Benzyl Alcohol, 100%	–
Benzyl Benzoate, 100%	o
Blood (ox blood) at 35°F	+
Borax*, Saturated Solution	+
Brake Fluid, AT	+
Brandy, Commercial	+
Butane Gas	+
Butanol, 100%	+
Butyric Acid, Concentrated	o
Calcium Chloride, Saturated Solution in Water	+
Calcium Hydroxide (suspension), 30%	+
Calcium Soap Fat, Pure	+
Camphor Oil, 100%	+
Carbon Dioxide	+
Carbon Disulfide	+
Carbon Tetrachloride	+
Caustic Soda Solution, 10%	+
Caustic Soda Solution, Concentrated	+
Chlorine Gas, Dry – Chlorobenzene	+
Chloroform	o
Citric Acid, 10%	+
Coal Gas	+
Copper Sulfate, Saturated Solution	+
Cyclohexanol	+
Cyclohexanone	+
Dibutyl Phthalate	+
Diesel Oil	+
Dinonyl Phthalate	+
Dioctyl Phthalate	+
Ether	+
Ethyl Acetate	+
Ethyl Alcohol	+
Ethylene Chloride	+
Ethylene Glycol	+
Ferric Chloride, Saturated Solution (neutral)	+
Fish Liver Oil	+

MEDIA	RATING
Formaldehyde, 10% in Water	+
Formic Acid, 30%	–
Formic Acid, Concentrated	–
Freon** 11/12 Refrigerant (1/1), Under Pressure at 73°F	+
Fuel Oil, Heavy	+
Fuel Oil, Light	+
Fuel Oil, Medium	+
Gasohol	o
Gasoline	+
Glycerol	+
Glycol	+
Grapefruit Juice, Unsweetened at 35°F	+
Hydrochloric Acid, 1%	–
Hydrochloric Acid, 10%	–
Hydrochloric Acid, Concentrated	–
Hydrofluoric Acid, 40%	–
Hydrogen Chloride Gas	–
Hydrogen Peroxide, 10%	–
Hydrogen Peroxide, 30%	–
Hydrogen Sulfide	+
Iodine, Tincture, Commercial	–
Isopropyl Alcohol	+
Jet Fuel, 1P4	+
Lactic Acid, 10% in Water	+
Laundry Soap Solution, 1% in Water at 158°F	+
Margarine	+
Menthol, 90% in Denatured Alcohol	+
Mesamoll PVC Plasticizer	+
Metasystox*** Insecticide, 0.5% in Water	+
Metasystox*** Insecticide, Concentrated	+
Methyl Alcohol, Pure	o
Methyl Amine, 30% in Water	+
Methylene Chloride	o
Milk, Whole	+
Mineral Water, Commercial	+
Naphthene Basic Oil (lubricant)	+
Nekal**** BX Wetting Agent, 2% in Water	+
Nitric Acid, 1%	–
Nitric Acid, 50%	–
Oleic Acid, Commercial	+
Oxalic Acid, 10% in Water	o
Oxygen (3 bar)	–
Ozone (at 2 x 10-6 parts ozone to 1 part air)	–
Paraffin Basic Oil (lubricant)	+
Perchloric Acid, 10% in Water	–
Petroleum Ether	+
Petroleum Spirit (for dry cleaning), bp 212° - 284°F	+
Phenyl Ethyl Alcohol, 100%	o
Phosphoric Acid, 10%	o

MEDIA	RATING
Phosphoric Acid, 30%	–
Potassium Carbonate (potash), Saturated Solution	+
Potassium Cyanide, Saturated Solution	+
Potassium Dichromate, Saturated Solution	o
Potassium Hexacyanoferrate (III), Saturated Solution	+
Potassium Metabisulfite, 40 g/l in Water	+
Potassium Perchlorate, 2% in Water	o
Potassium Permanganate, 10% in Water	–
Propane Gas	+
Propyl Alcohol	+
Rapeseed Oil	+
Raspberry Juice (sweetened), Commercial	+
Sea Water	+
Silicofluoric Acid, 30%	–
Silver Nitrate, 10%	+
Sodium Bicarbonate (soda), Saturated Solution	+
Sodium Chloride (table salt), Saturated Solution	+
Sodium Hypochlorite	–
Sodium Soap Fat	+
Sodium Sulfide, Saturated Solution	+
Sodium Thiosulfate (fixing bath), 200 g/l	+
Soil Bacterial Culture (anaerobic)	+
Soil Mildew	+
Spinning Bath Acid	–
Stannous Chloride, Saturated Solution	–
Sugar Beet Syrup	+
Sugar Solution, Saturated	+
Sulfur Dioxide, Dry, Saturated Atmosphere	+
Sulfuric Acid, 10%	–
Sulfuric Acid, 30%	–
Sulfurous Acid, 10%	o
Tallow, Beef, Commercial	+
Tartaric Acid, 10% in Water	+
Tetraethyl Lead, 5% in Aliphatic Hydrocarbons, bp 212° - 284°F	+
Thionyl Chloride, 100%	–
Toluene	+
Trichloroethyl Phosphate	–
Trichloroethylene	+
Tricresyl Phosphate (low ortho content)	+
Triethanolamine	o
Urea, Saturated Solution	+
Urine	+
Vinyl Chloride, Under Pressure at Room Temperature	+
Water (distilled) at 68°F	+
Water (distilled) at 158°F	+
Water (distilled) at 194°F	+
Wine, Commercial	+
Wood Turpentine, bp 302° - 338°F	+

Ratings: + Resistant o Limited Resistance – Not Resistant
Note: Unless otherwise noted, all data were determined at 73°F (23°C).
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* 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.

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MATERIAL PROPERTIES | NYLATRAC®/NYLATUBE®

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)

DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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


K00-15


K02-3


K20-4

PART NUMBER CONFIGURATION:

Model	Height	Length
KO3	3	14.22

Following above example, add dashes. Part number = **KO3-3-14.22**
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.

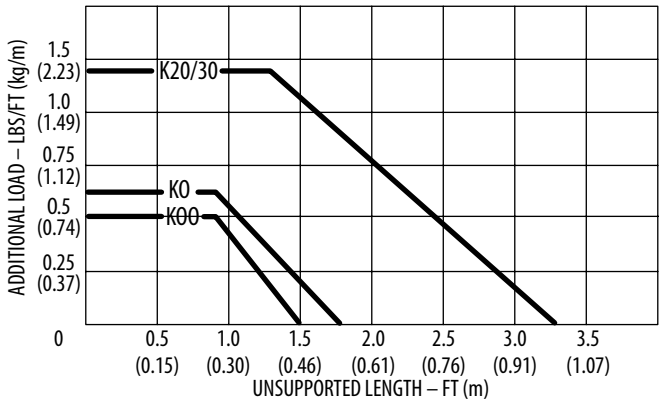
SPECIFICATIONS

MODEL	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	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 – WEIGHT LOAD



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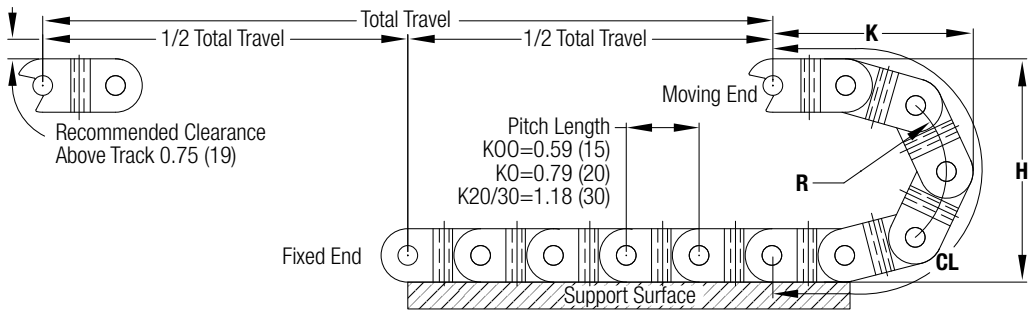
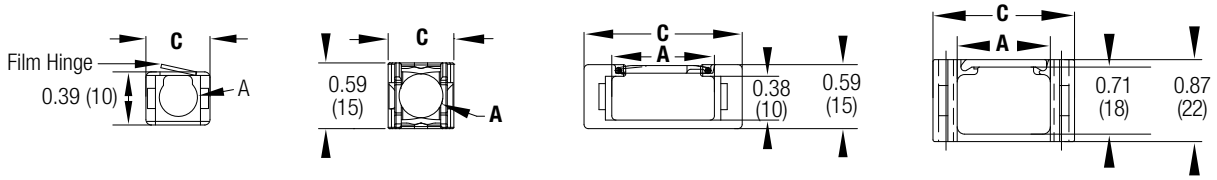
KO SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW **Dimensions in inches (mm)**



Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length.
In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

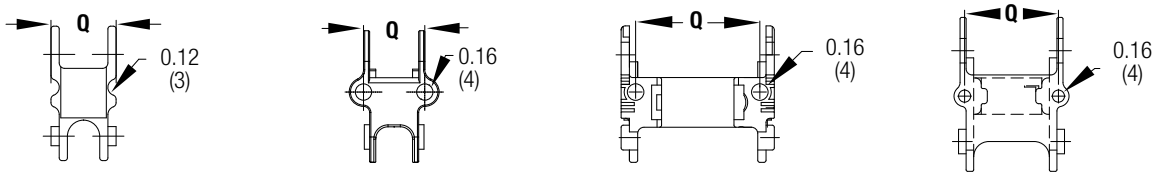
CARRIER CROSS SECTION



KOO **KO-3** **KO2/KO3/KO4** **K20/K30**

Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW: MOUNTING HOLE DIMENSIONS



KOO **KO-3** **KO2/KO3/KO4** **K20/K30**

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

PART NUMBER CONFIGURATION:

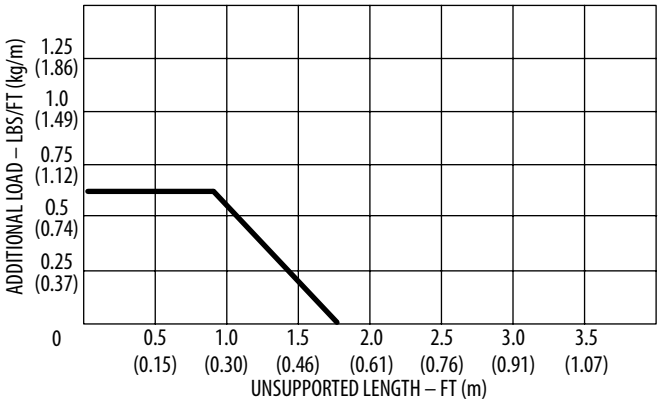
Model	Height	Length
KN3	2	18.17

Following above example, add dashes. Part number = KN3-2-18.17
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.

SPECIFICATIONS

MODEL	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	**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 – WEIGHT LOAD



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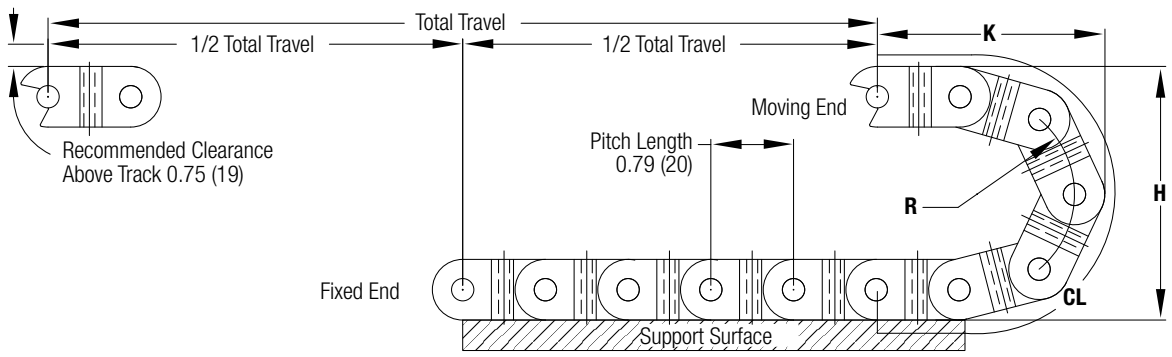
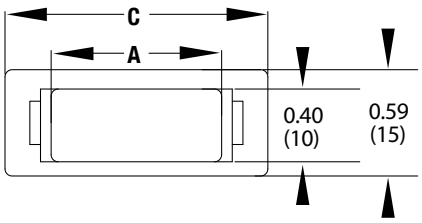
KN SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW **Dimensions in inches (mm)**



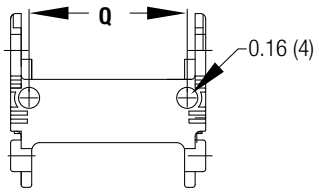
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length.
In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

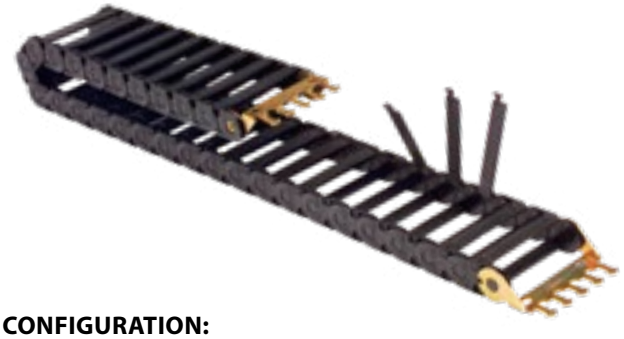


Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW: MOUNTING HOLE DIMENSIONS



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



Shown with hinged bars on inner radius.

PART NUMBER CONFIGURATION:

Model	Height	Hinged Bar Location	Separators	Length	Bracket (fixed)	Bracket (moving)
SP300	5	INNER	1	25.20	STSTR#1	STSTR#1

Following above example, add dashes. Part number = **SP300-5-INNER-1-25.20-STSTR#1-STSTR#1**
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STSTR) and arrangement # for each end.

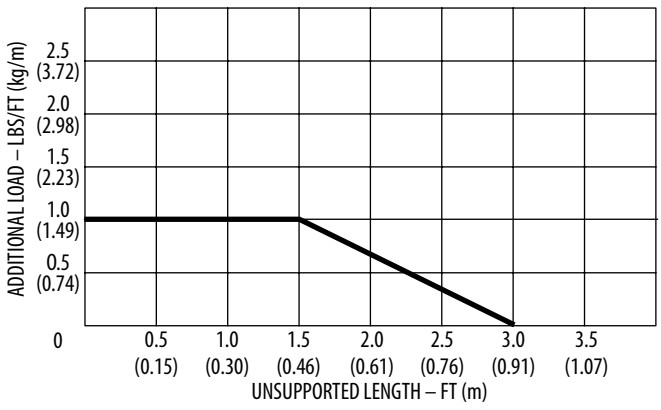
SPECIFICATIONS

MODEL	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	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 – WEIGHT LOAD



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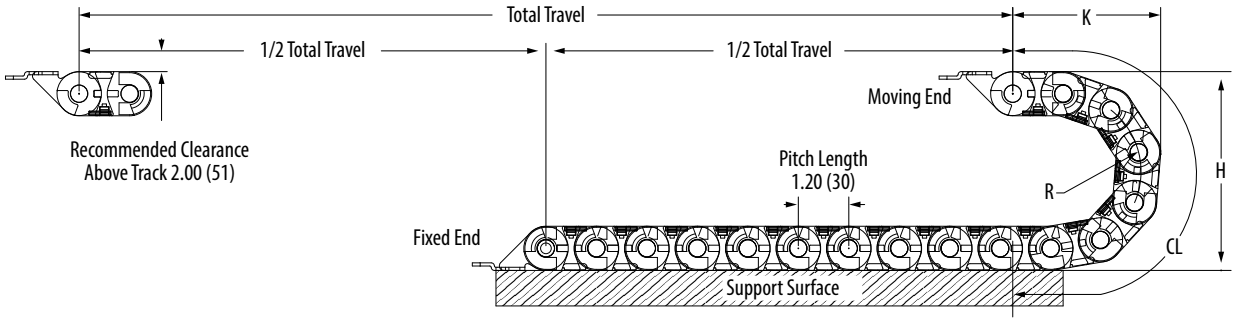
SP SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

Dimensions in inches (mm)



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

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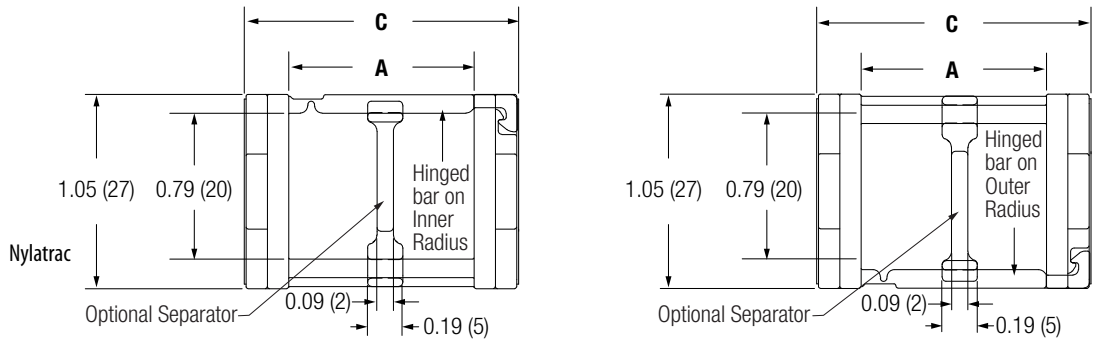
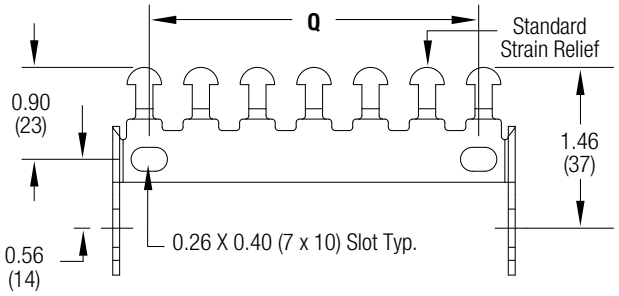
CARRIER CROSS SECTION



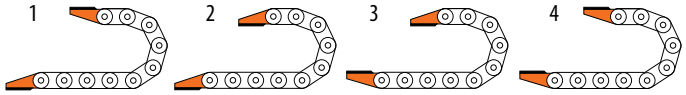
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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

Shown with hinged bars on inner and outer radius.

PART NUMBER CONFIGURATION:

Model	Height	Hinged Bar Location	Separators	Length	Bracket (fixed)	Bracket (moving)
KS225	54	INNER	0	47.58	STD#1	STD#1

Following above example, add dashes. Part number = **KS225-54-INNER-0-47.58-STD#1-STD#1**
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD for standard, STR for strain relief option) and arrangement # for each end.

SPECIFICATIONS

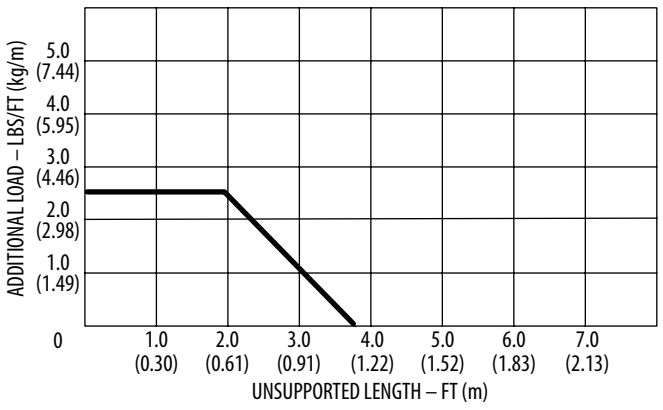
MODEL	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
KS100	1.00 (25)	1.52 (39)	0.68 (17)	0.40 (0.60)
KS150	1.50 (38)	2.02 (51)	0.84 (21)	0.44 (0.65)
KS225	2.25 (57)	2.77 (70)	1.66 (42)	0.51 (0.76)
KS300	3.00 (76)	3.52 (89)	2.41 (61)	0.54 (0.80)
KS400	4.00 (102)	4.52 (115)	3.41 (86)	0.60 (0.89)

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

HEIGHT	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 – WEIGHT LOAD



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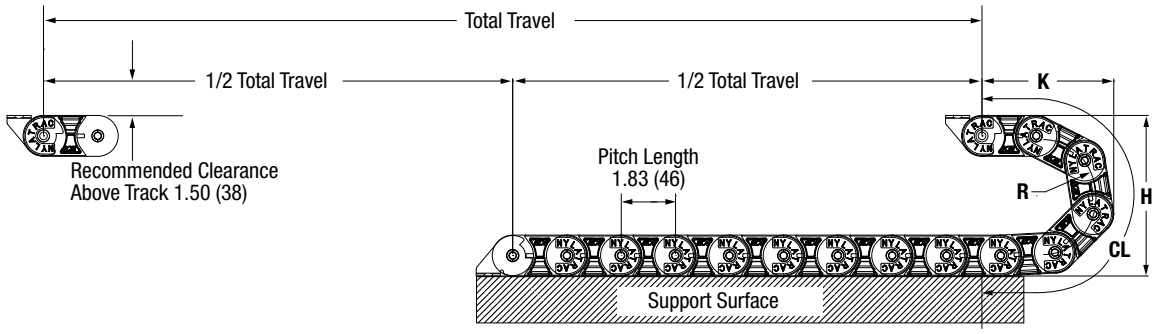
KS SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

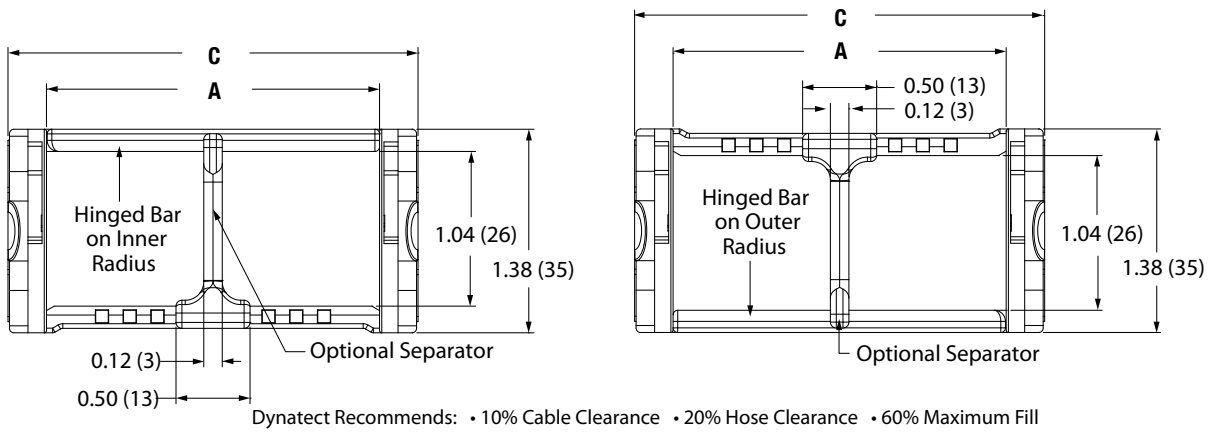
Dimensions in inches (mm)



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

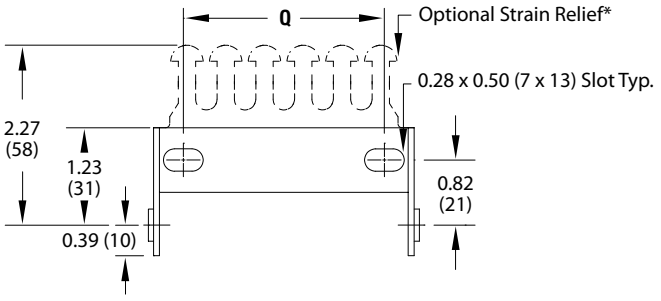
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



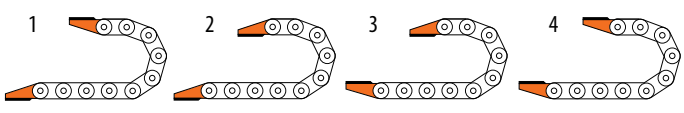
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



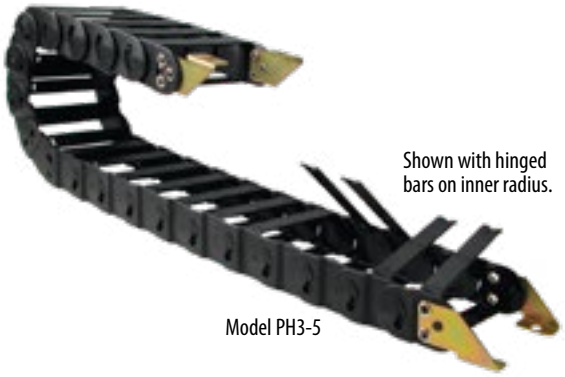
BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



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

Model P2-5



Shown with hinged bars on inner radius.

Model PH3-5

PART NUMBER CONFIGURATION:

Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length. Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

Model	Height	Length	Bracket (fixed)	Bracket (moving)
P1	5	36.00	#2OUT	#2IN

Following above example, add dashes. Part number = **P1-5-36.00-#2OUT-#2IN**

Model	Height	Hinged Bar Location	Length	Bracket (fixed)	Bracket (moving)
PH2	4	INNER	40.50	#4IN	#4IN

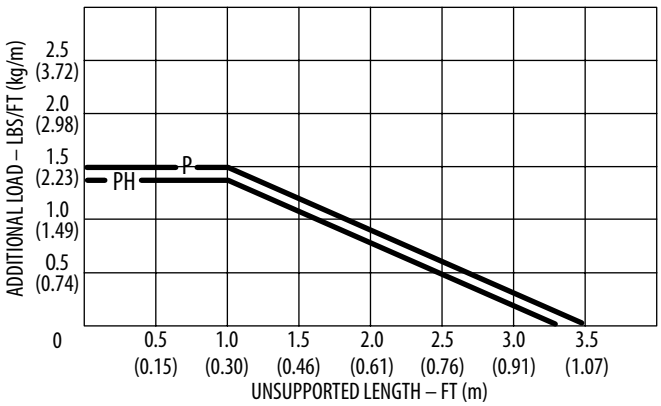
Following above example, add dashes. Part number = **PH2-4-INNER-40.50-#4IN-#4IN**

MODEL	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	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 – WEIGHT LOAD



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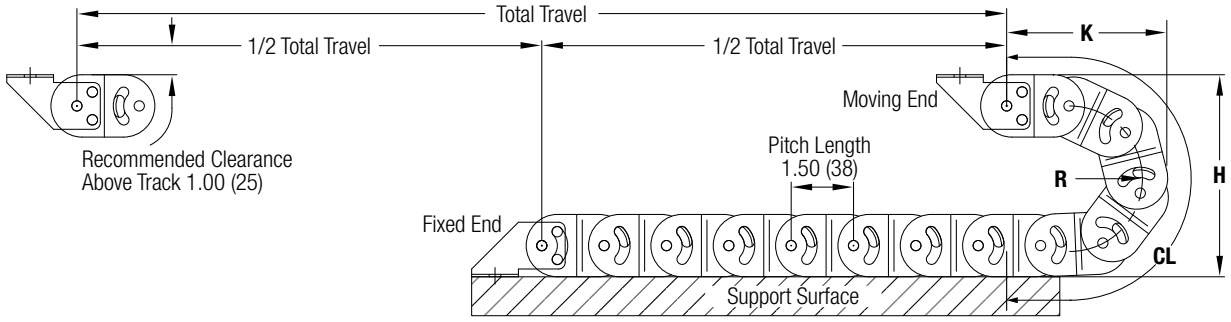
P/PH SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

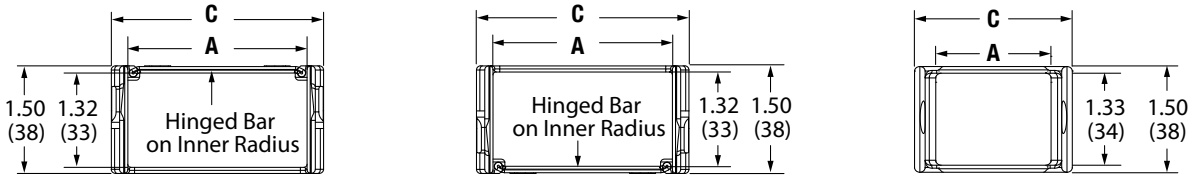
Dimensions in inches (mm)



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

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

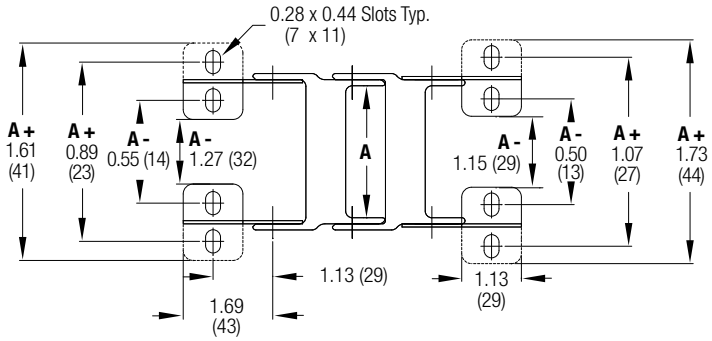
CARRIER CROSS SECTION



PH Series - Inner Hinged Bar (Standard) | **PH Series - Outer Hinged Bar** | **P Series**

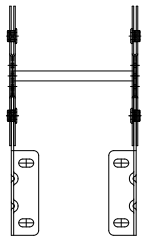
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET

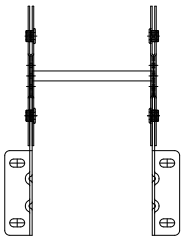


BRACKET ARRANGEMENTS

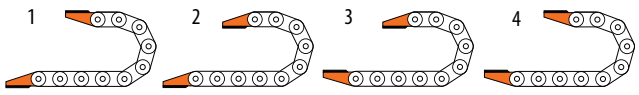
Mounting Holes Inward (IN)



Mounting Holes Outward (OUT)



Standard Mounting Bracket Arrangements



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

Shown with hinged bars on inner radius.

PART NUMBER CONFIGURATION:

Model	Height	Hinged Bar Location	Separators	Length	Bracket (fixed)	Bracket (moving)
NP200	14	OUTER	2	41.23	STSTR#2	STSTR#2

Following above example, add dashes. Part number = **NP200-14-OUTER-2-41.23-STSTR#2-STSTR#2**
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STSTR) and arrangement # for each end.

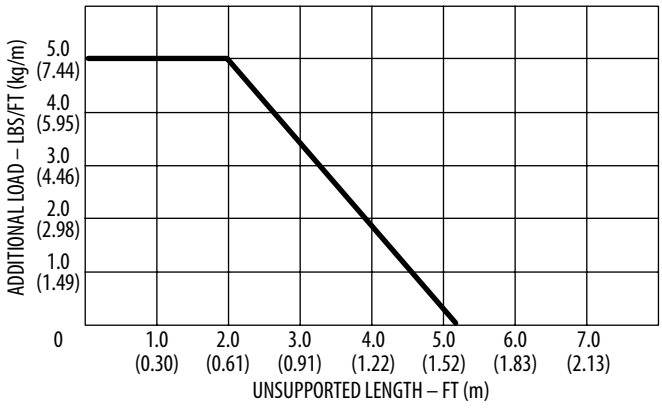
SPECIFICATIONS

MODEL	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)	3.30 (84)	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	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 – WEIGHT LOAD



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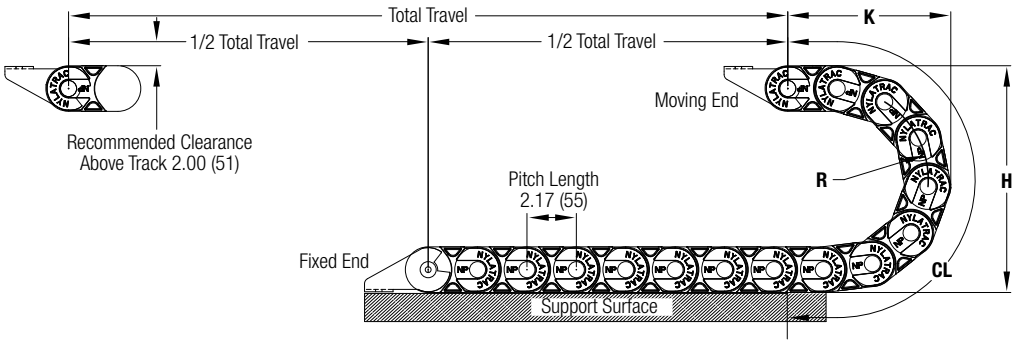
NP SERIES | NYLATRAC® STANDARD (open-style carriers)

CARRIER SIDE VIEW

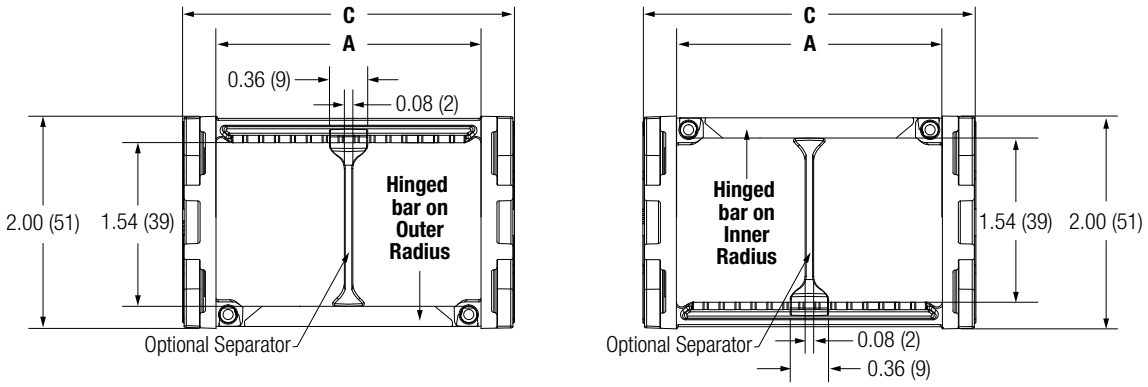
Dimensions in inches (mm)



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

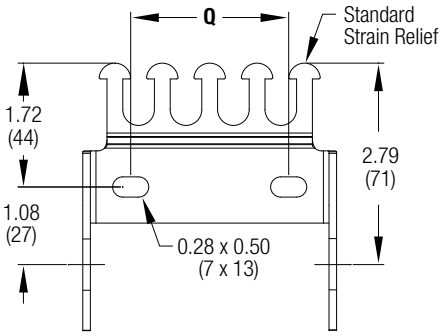
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



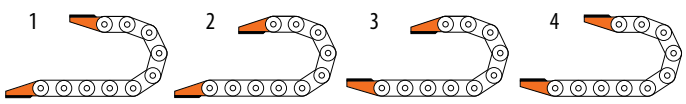
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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

Shown with optional strain relief style brackets.

KL1 available with optional single-piece cavity divider.

PART NUMBER CONFIGURATION:

Model	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
KL3	18	1	60.49	STD#3	STD#3

Following above example, add dashes. Part number = **KL3-18-1-60.49-STD#3-STD#3**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD for standard, or STR for strain relief option) and arrangement # for each end.

SPECIFICATIONS

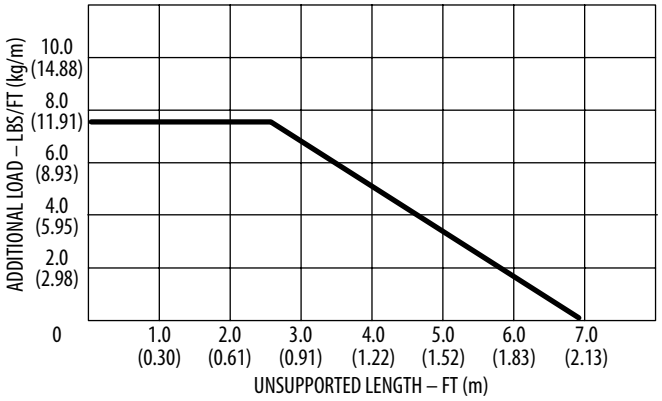
MODEL	A inches (mm)	C inches (mm)	Q inches (mm)	WEIGHT lb/ft (kg/m)
KL200*	2.00 (51)	2.75 (70)	1.05 (27)	1.00 (1.49)
KL1**	3.00 (76)	3.75 (95)	1.88 (48)	0.98 (1.46)
KL2	4.50 (114)	5.25 (133)	3.38 (86)	1.11 (1.65)
KL3	7.00 (178)	7.75 (197)	5.88 (149)	1.48 (2.20)

*KL200 – hinged bars available on inside (standard) or outside radius. When specifying, please note preferred location of hinged bars, INNER or OUTER. (e.g. KL200-10-INNER-1-79.2-STD#2-STD#2 **KL1 – optional single-piece cavity divider available.

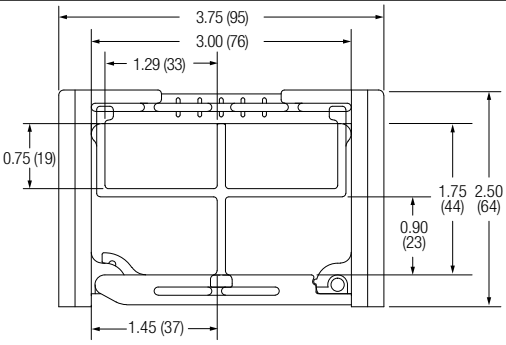
HEIGHT	R inches (mm)	H inches (mm)	K inches (mm)	CL inches (mm)
10*	3.75 (95)	10.00 (254)	7.59 (193)	16.80 (427)
15*	6.25 (159)	15.00 (381)	10.08 (256)	24.70 (627)
85	3.00 (76)	8.50 (216)	6.88 (175)	14.68 (373)
12	4.75 (121)	12.00 (305)	8.63 (219)	20.18 (513)
14	5.75 (146)	14.00 (356)	9.63 (244)	23.31 (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 – WEIGHT LOAD



CAVITY DIVIDER CROSS SECTION Dimensions in inches (mm)



Model KL1 w/ Optional Cavity Divider

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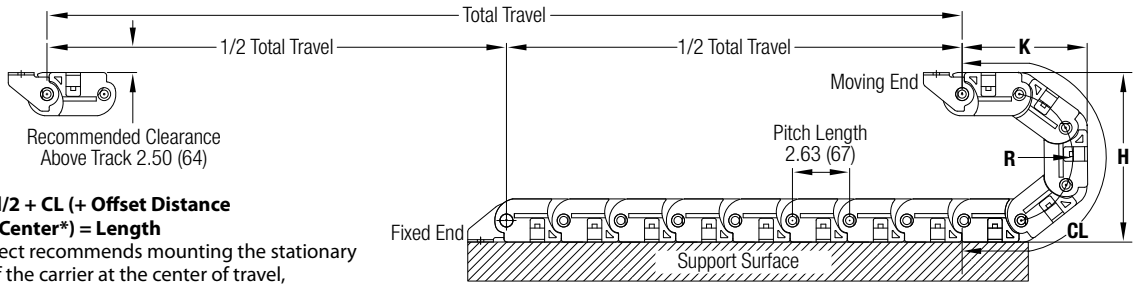
KL SERIES | NYLATRAC® STANDARD (open-style carriers)

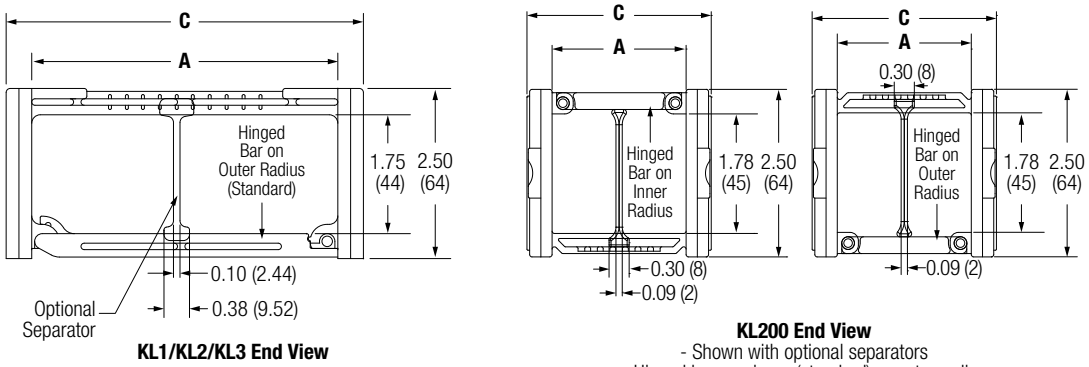
CARRIER SIDE VIEW

Dimensions in inches (mm)



Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

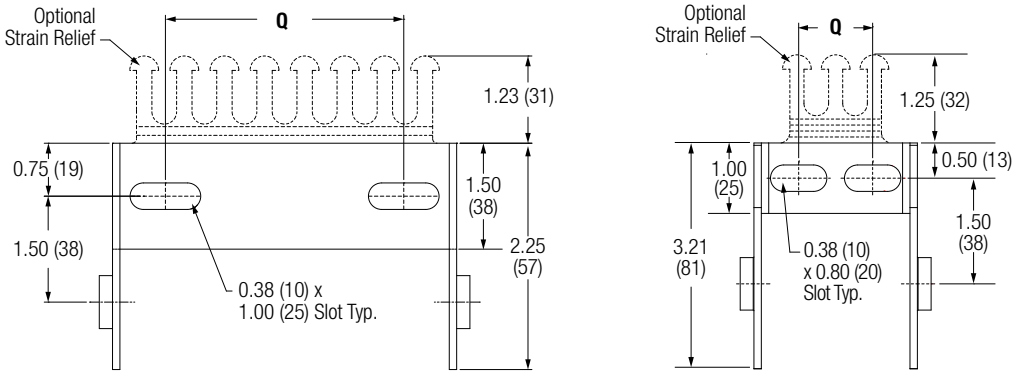


KL1/KL2/KL3 End View

KL200 End View
- Shown with optional separators
- Hinged bars on inner (standard) or outer radius

Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET

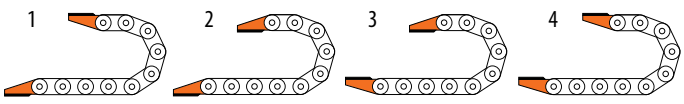


KL1/KL2/KL3 Mounting Bracket

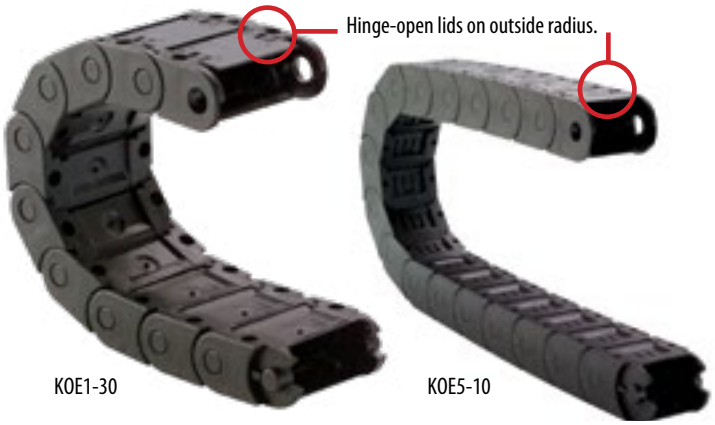
KL200 Mounting Bracket

BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



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



PART NUMBER CONFIGURATION:

Model No.	Height No.	Length
KOE1	30	12.78

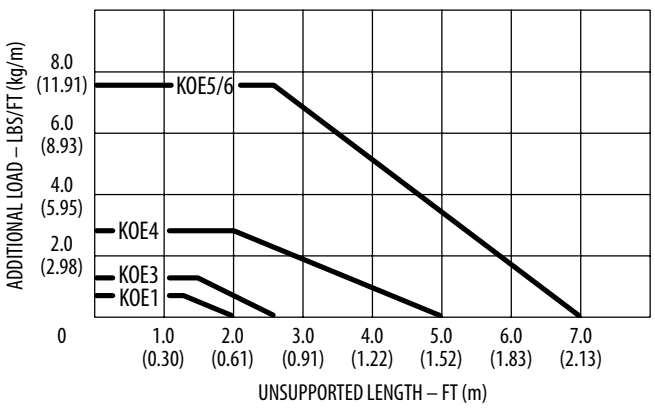
Following above example, add dashes. Part number = KOE1-30-12.78
Carrier Length (between flanges) is specified to two decimals in inches.
Total number of links depends on pitch length.

SPECIFICATIONS

MODEL	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	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	3.94 (100)	9.10 (231)	4.90 (124)	12.00 (305)
KOE3 - 130	5.91 (150)	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



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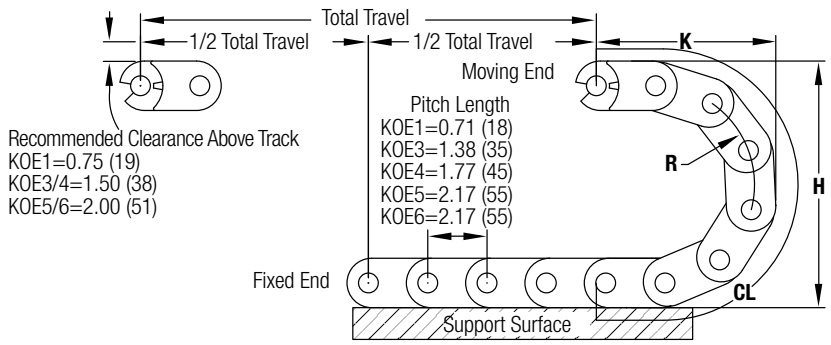
KOE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

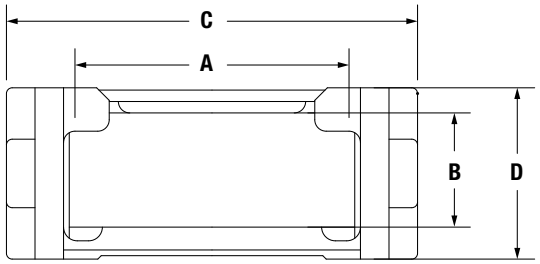
CARRIER SIDE VIEW

Dimensions in inches (mm)



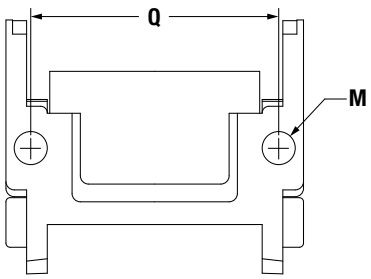
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length.
In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW: MOUNTING HOLE DIMENSIONS



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

PART NUMBER CONFIGURATION:

Model	Height	Length	Bracket (fixed)	Bracket (moving)
N4	10	31.52	TYPE A	TYPE A

Following above example, add dashes. Part number = **N4-10-31.52-TYPE A-TYPE A**
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD, TYPE A, TYPE B) for each end. Specify arrangement if standard bracket.

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

SPECIFICATIONS

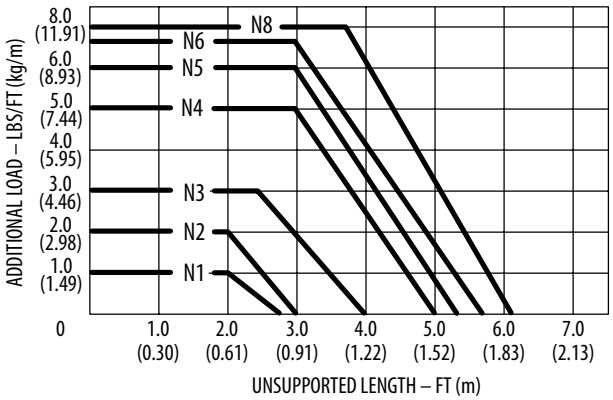
MODEL	A inches (mm)	A1 inches (mm)	B inches (mm)	C inches (mm)	D inches (mm)	WEIGHT lb/ft (kg/m)
N1	0.90 (23)	—	0.90 (23)	1.38 (35)	1.38 (35)	0.50 (0.74)
N2	1.50 (38)	—	0.90 (23)	1.97 (50)	1.38 (35)	0.60 (0.89)
N3-D*	2.48 (63)	1.18 (30)	0.90 (23)	2.95 (75)	1.38 (35)	0.80 (1.19)
N4	1.42 (36)	—	1.34 (34)	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	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.

N SERIES – WEIGHT LOAD



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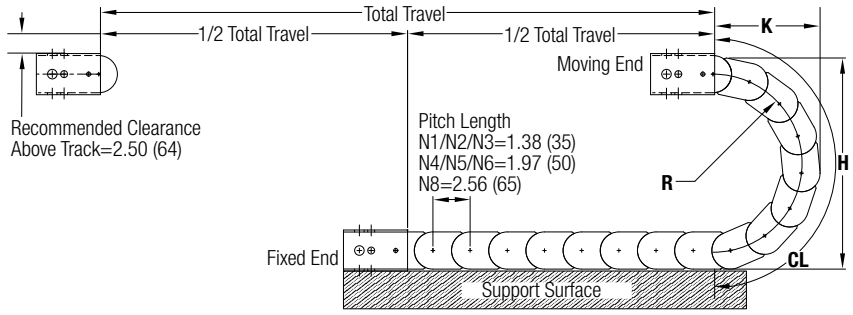
N SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

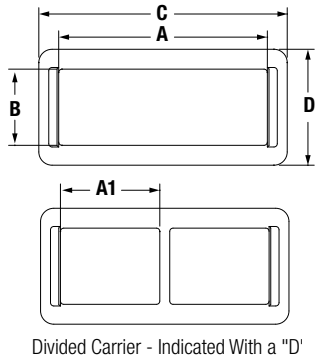
CARRIER SIDE VIEW

Dimensions in inches (mm)



Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

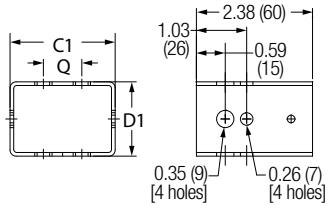
CARRIER CROSS SECTION



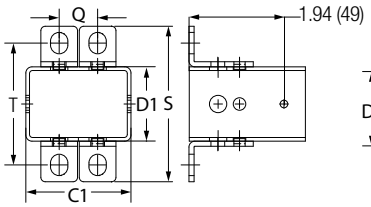
Divided Carrier - Indicated With a "D'

Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

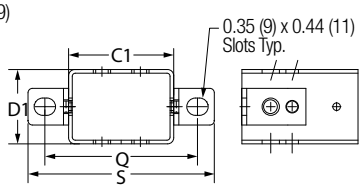
MOUNTING FLANGE OPTIONS



Standard Flange



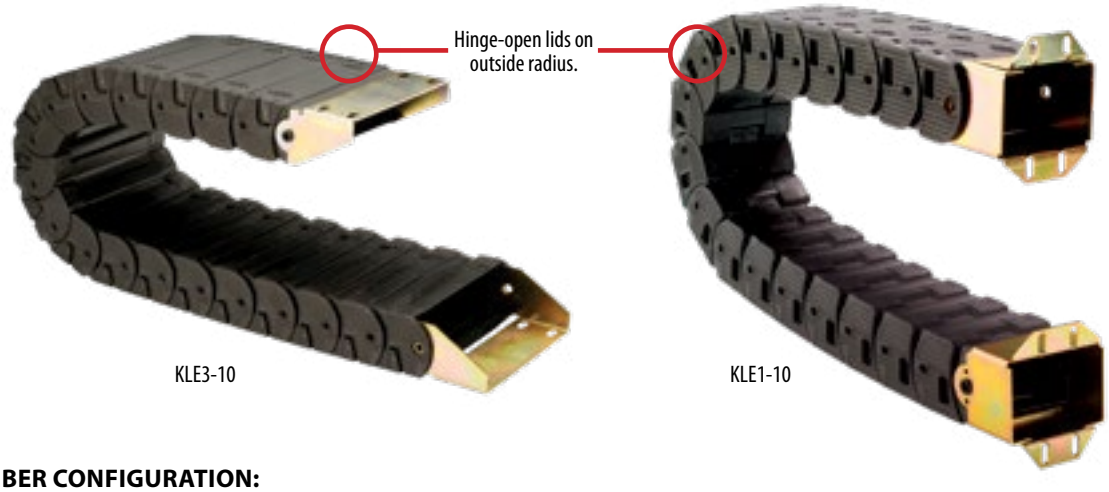
Type A Flange



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)



KLE3-10

KLE1-10

PART NUMBER CONFIGURATION:

Model	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
KLE3	26	1	85.20	STD#1	TYPE A

Following above example, add dashes. Part number = **KLE3-26-1-85.20-STD#1-TYPE A**
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD, TYPE A, TYPE B) for each end. Specify arrangement # if standard (STD) bracket.

SPECIFICATIONS

MODEL	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	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 – WEIGHT LOAD

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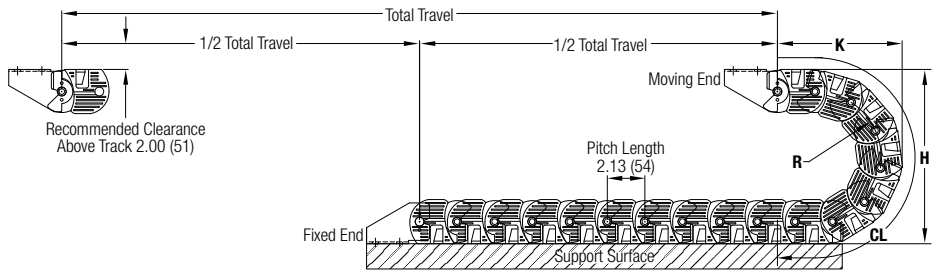
KLE SERIES | NYLATUBE® STANDARD (enclosed-style carriers)

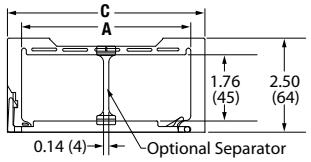
CARRIER SIDE VIEW

Dimensions in inches (mm)



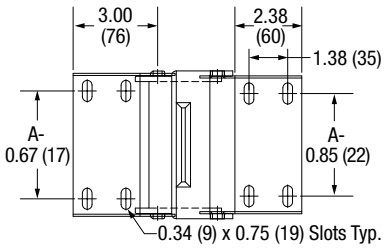
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

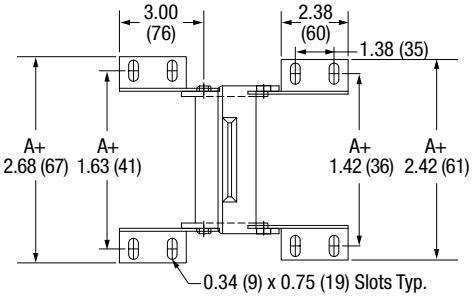


Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

MOUNTING FLANGE OPTIONS

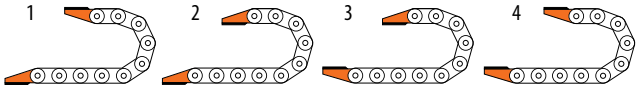


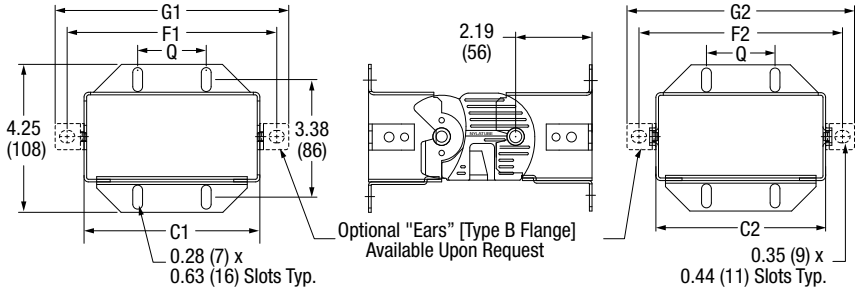
Standard Bracket (Mounting Holes Inward)



Standard Bracket (Mounting Holes Outward)

Standard Mounting Bracket Arrangements





Female Flange: Type A
[Type B: Optional "Ears" Available Upon Request]

Male Flange: Type A
[Type B: Optional "Ears" Available Upon Request]

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

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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
NSB	PR	4.50	55	1	72.89	#1IN	#1OUT

Following above example, add dashes. Part number = **NSB-PR-4.50-55-1-72.89-#1IN-#1OUT**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

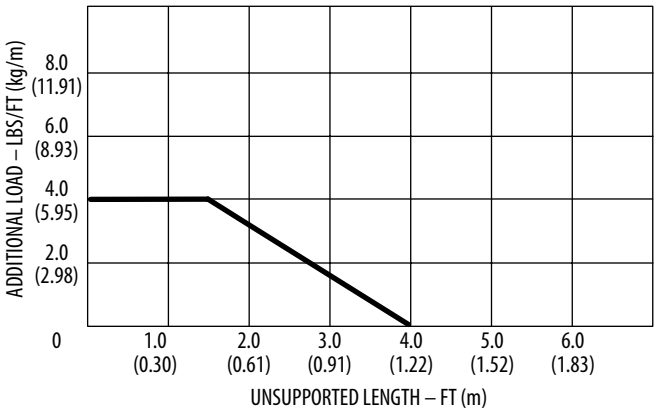
SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
NSB	PR or RB	Customer Specified	A + 0.94 (24)	0.70 (1.04)

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

HEIGHT	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 – WEIGHT LOAD



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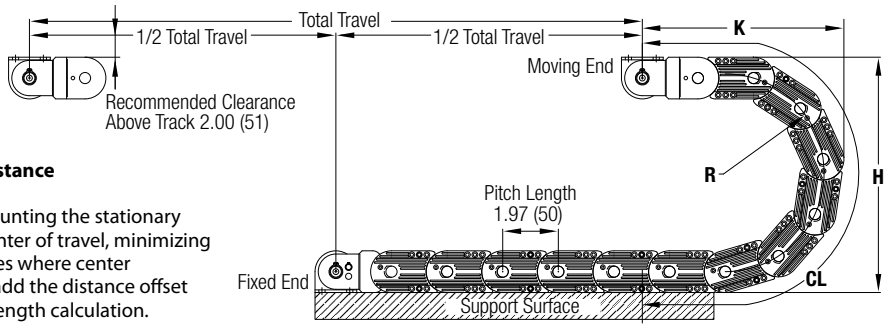
NSB SERIES | NYLATRAC® MODULAR (open-style carriers)

CARRIER SIDE VIEW

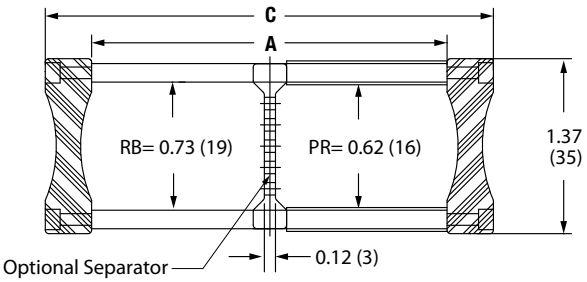
Dimensions in inches (mm)



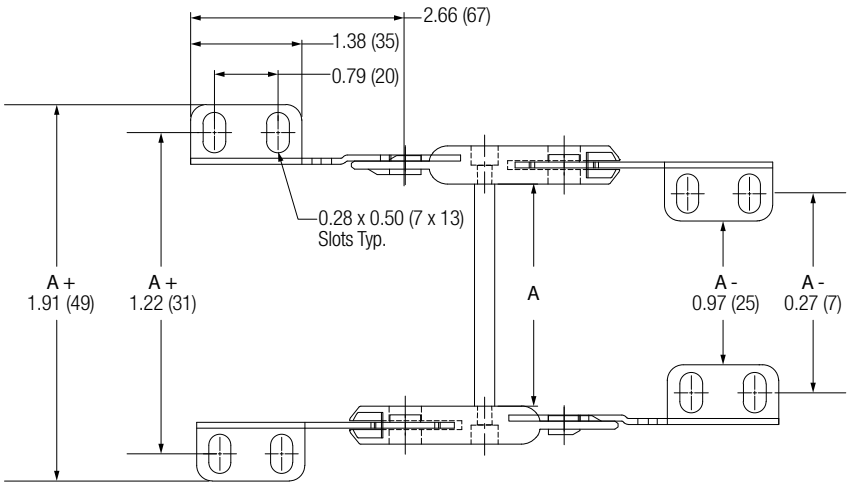
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

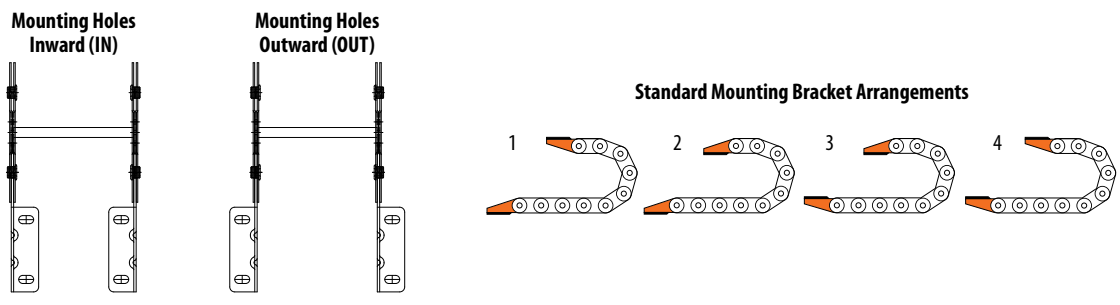
Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



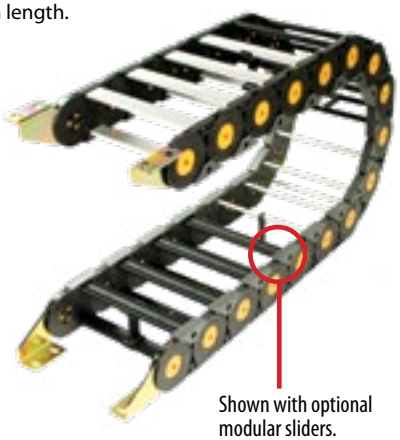
TSC SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
TSC	AF	4.15	140	1	42.24	#1IN	#1OUT

Following above example, add dashes. Part number = **TSC-AF-4.15-140-1-42.24-#1IN-#1OUT**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TSC	MB	2.18 (55)	3.03 (77)	1.09 (1.62)
TSC	MB	3.17 (81)	4.02 (102)	1.12 (1.67)
TSC	MB	3.68 (94)	4.53 (115)	1.14 (1.70)
TSC	MB	4.15 (105)	5.00 (127)	1.16 (1.73)
TSC	MB	5.13 (130)	5.98 (152)	1.19 (1.77)
TSC	MB	5.54 (141)	6.39 (162)	1.20 (1.79)
TSC	MB	5.97 (152)	6.82 (173)	1.20 (1.79)
TSC	MB	8.51 (216)	9.36 (238)	1.65 (2.46)
TSC	MB	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)


Shown with optional modular sliders.

***Bar Styles (Top and Bottom):**
MB = 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	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)

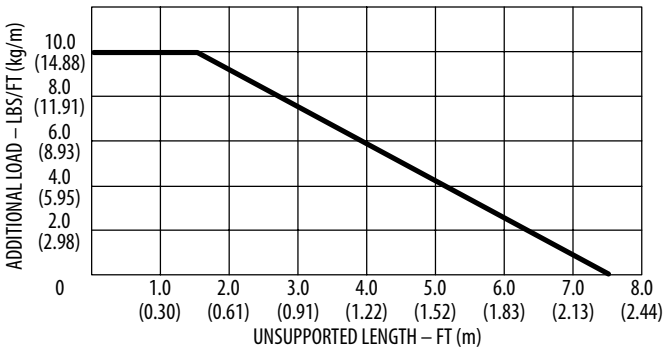
***Plastic lids not available on 80, 100 or 115 height. Optional modular sliders not available on 80 or 100 height.

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 – WEIGHT LOAD



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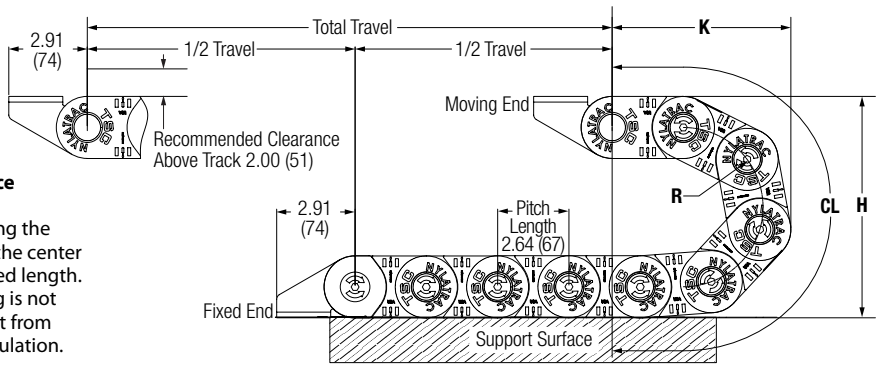
TSC SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

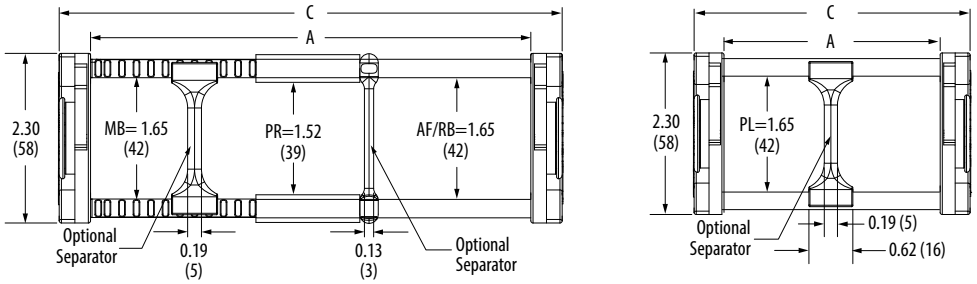
CARRIER SIDE VIEW

Dimensions in inches (mm)



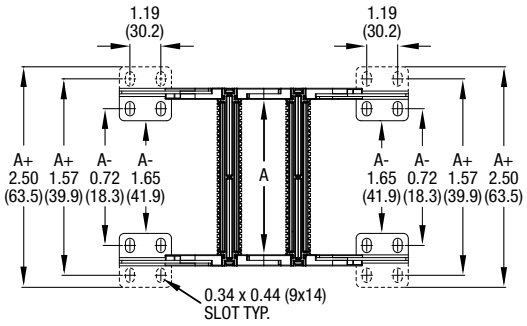
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

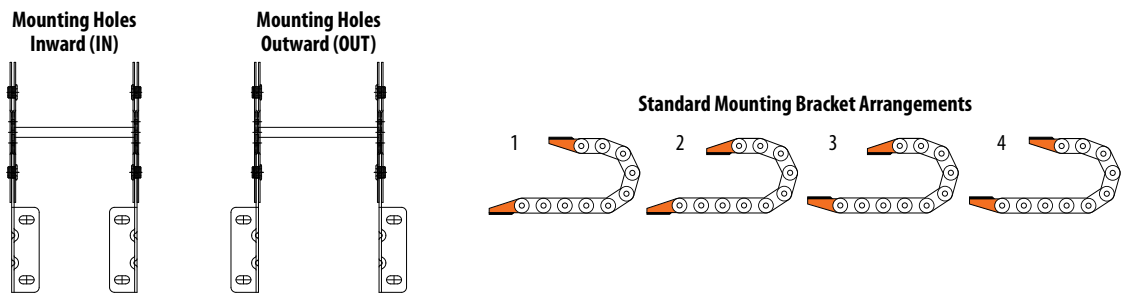


Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



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

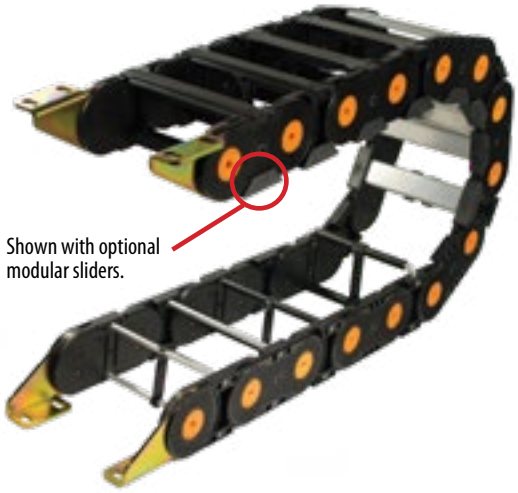
PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
TS	MB	9.79	245	0	101.50	#2IN	#2IN

Following above example, add dashes. Part number = **TS-MB-9.79-245-0-101.50-#2IN-#2IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TS	MB	2.93 (74)	4.45 (113)	2.40 (3.57)
TS	MB	3.87 (98)	5.35 (136)	2.50 (3.72)
TS	MB	4.80 (122)	6.33 (161)	2.60 (3.87)
TS	MB	6.36 (162)	7.89 (200)	2.70 (4.02)
TS	MB	7.62 (194)	9.14 (232)	2.80 (4.17)
TS	MB	8.05 (205)	9.57 (243)	2.85 (4.25)
TS	MB	9.79 (249)	11.32 (288)	2.90 (4.32)
TS	MB	11.01 (280)	12.53 (318)	2.95 (4.39)
TS	MB	11.48 (292)	13.00 (330)	3.00 (4.46)
TS	MB	11.68 (297)	13.21 (336)	3.00 (4.46)
TS	MB	13.57 (345)	15.09 (383)	3.10 (4.61)
TS	RB/PR	Customer Specified	A + 1.52 (39)	TS-RB = 2.45 (3.65) TS-PR = 2.69 (4.00)
TS	AF/AFS	Customer Specified	TS-AF = A+ 1.59 (39) TS-AFS = A + 1.52 (39)	TS-AF = 4.93 (7.34) TS-AFS = 4.81 (7.16)
TS	PL/AP	Customer Specified	A + 1.59 (39)	TS-PL = 4.33 (6.44) TS-AP = 6.39 (9.51)



***Bar Styles (Top and Bottom):**
MB = 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	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)

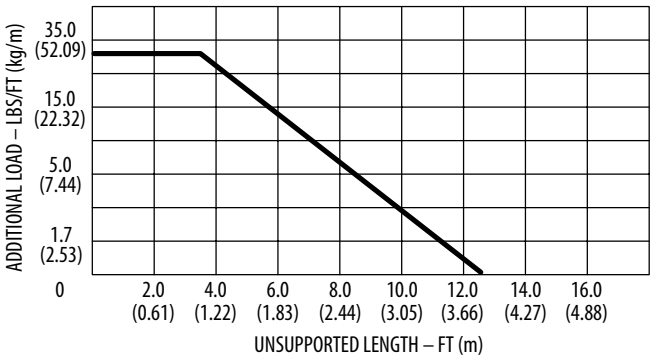
***The following options are not available with 110 and 140 curve heights: modular sliders, aluminum armor plates, plastic lids.

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



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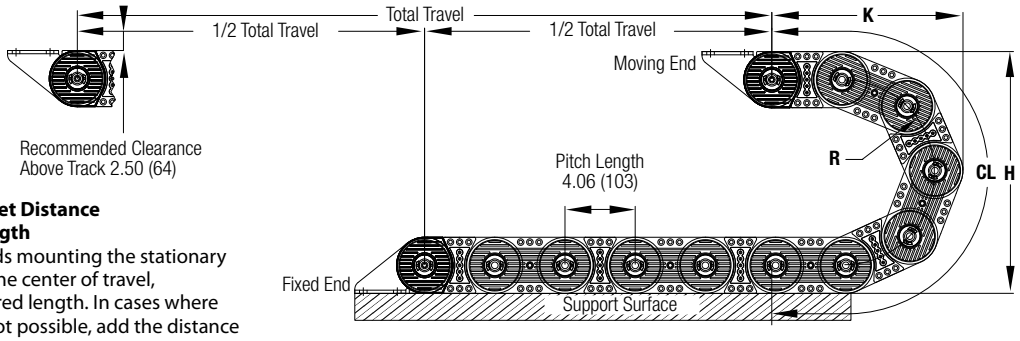
TS SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

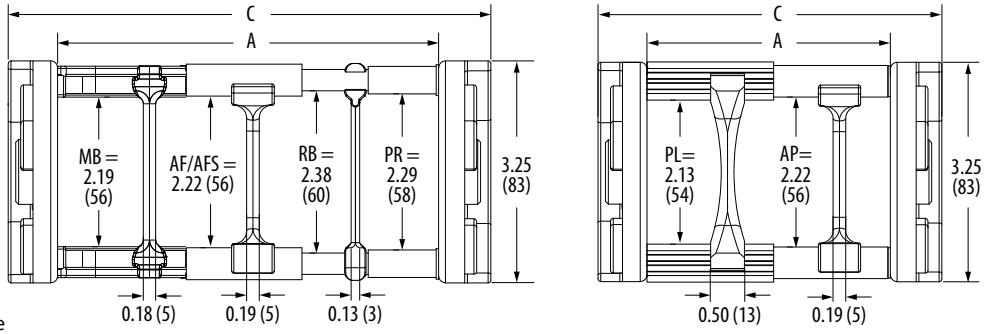
CARRIER SIDE VIEW

Dimensions in inches (mm)



Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

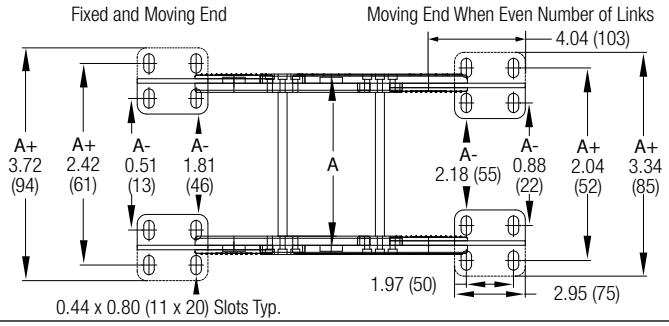
CARRIER CROSS SECTION



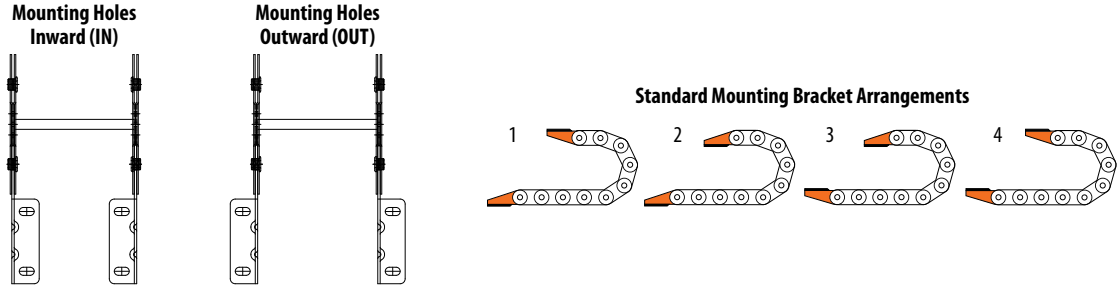
Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

Note: Crossbars shown with optional separators

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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

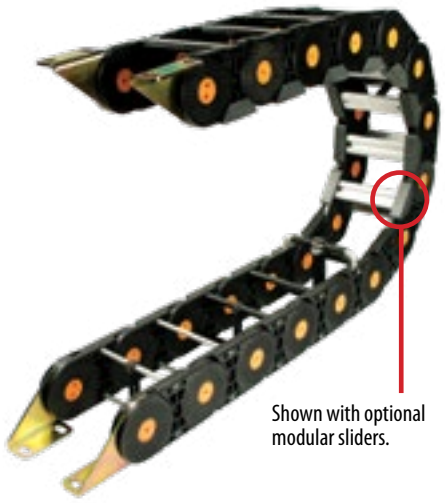
PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
TL	MB	5.73	160	0	72.24	#1IN	#1IN

Following above example, add dashes. Part number = **TL-MB-5.73-160-0-72.24-#1IN-#1IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
TL	MB	3.94 (100)	5.87 (149)	2.80 (4.17)
TL	MB	4.66 (118)	6.59 (168)	2.85 (4.24)
TL	MB	5.73 (146)	7.67 (195)	2.90 (4.32)
TL	MB	7.88 (200)	9.82 (249)	2.95 (4.39)
TL	MB	9.68 (246)	11.62 (295)	3.00 (4.46)
TL	MB	11.84 (300)	13.77 (350)	3.05 (4.54)
TL	MB	13.63 (346)	15.57 (395)	3.10 (4.61)
TL	RB/PR	Customer Specified	A + 1.94 (49)	TL-RB = 3.42 (5.09) TL-PR = 3.72 (5.54)
TL	AF/AFS	Customer Specified	TL-AF = A + 2.01 (49) TL-AFS = A + 1.94 (49)	TL-AF = 5.21 (7.76) TL-AFS = 5.12 (7.62)
TL	PL/AP	Customer Specified	A + 2.01 (49)	TL-PL = 5.21 (7.75) TL-AP = 7.56 (11.25)


Shown with optional modular sliders.

***Bar Styles (Top and Bottom):**
MB = 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	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)

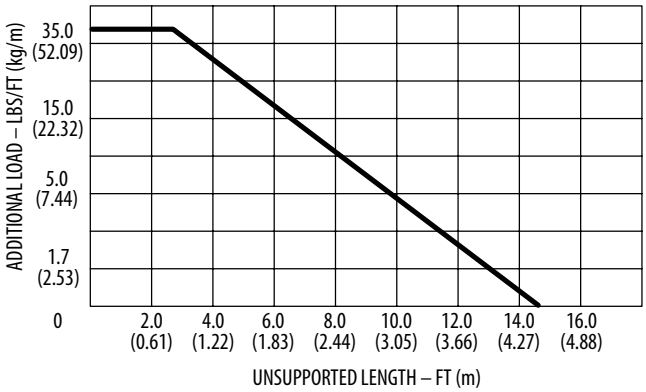
*The following options are not available with the 160 curve height: modular sliders, aluminum armor plates, plastic lids.

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 – WEIGHT LOAD



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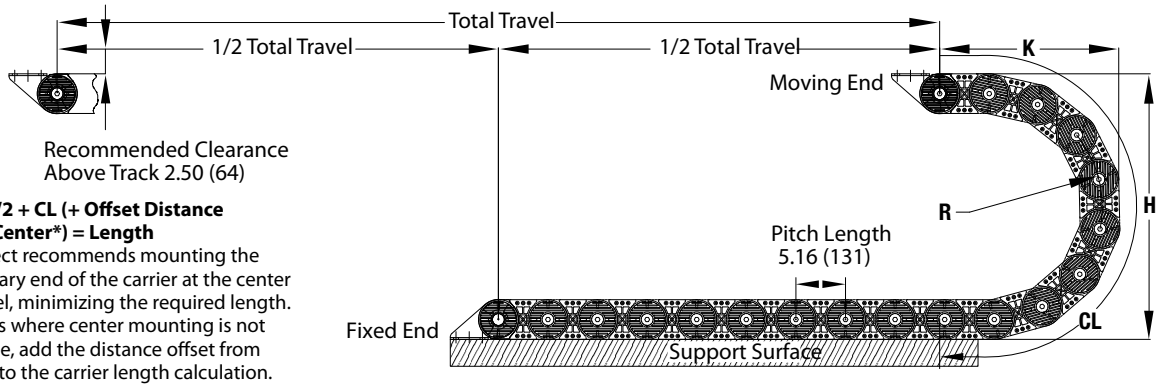
TL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

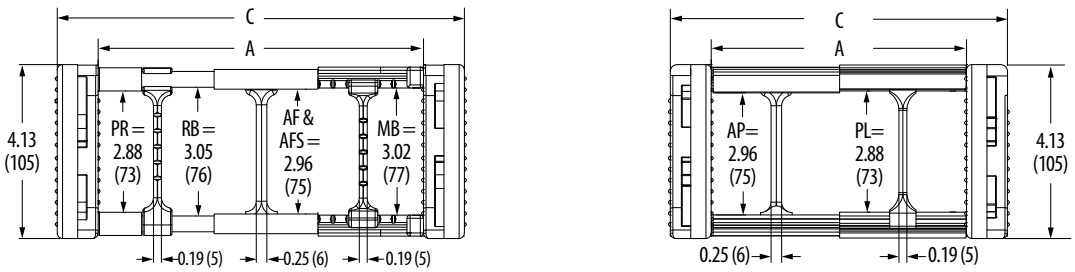
CARRIER SIDE VIEW

Dimensions in inches (mm)



Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

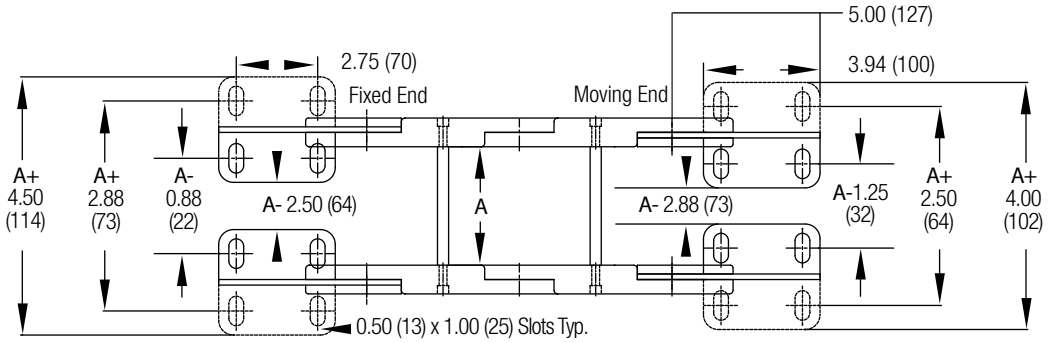
CARRIER CROSS SECTION



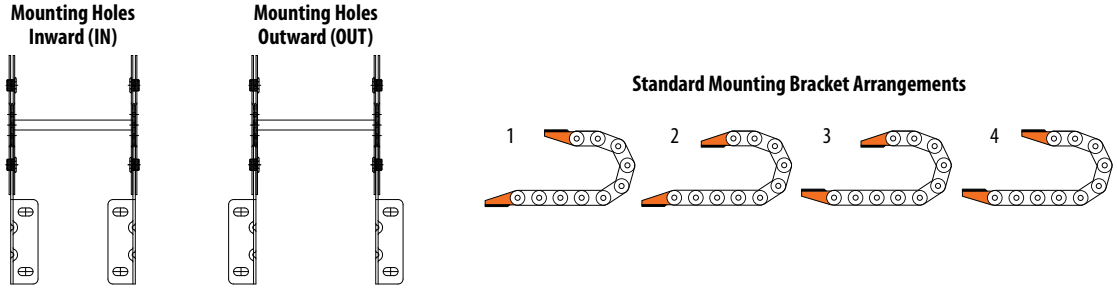
Crossbars shown with optional separators

Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
NXL	PR	5.00	270	1	199.26	#1IN	#1IN

Following above example, add dashes. Part number = **NXL-PR-5.0-270-1-199.26-#1IN-#1N**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

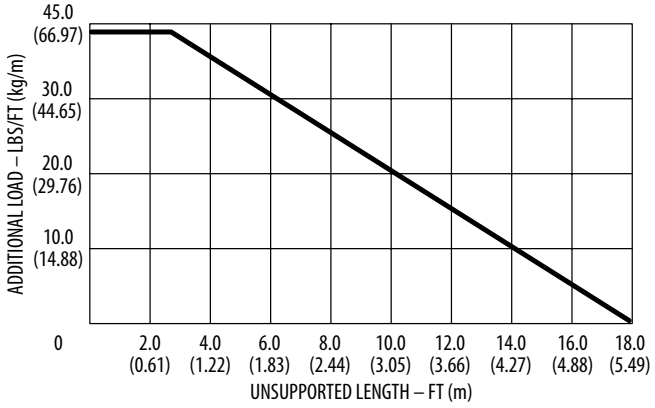
MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
NXL	CC/AF/PR/RB	Customer Specified	A + 2.50 (64)	6.34 (9.43)
NXL	AP	Customer Specified	A + 2.50 (64)	10.40 (15.47)

***Bar 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	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.

NXL SERIES – WEIGHT LOAD



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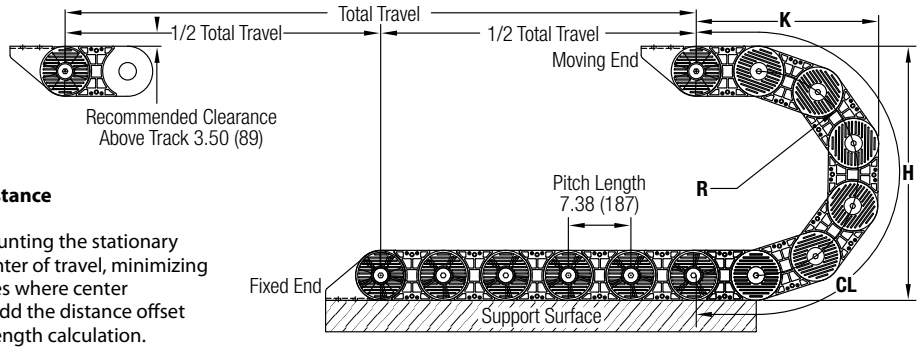
NXL SERIES | NYLATRAC® MODULAR (open- & enclosed-style carriers)

CARRIER SIDE VIEW

Dimensions in inches (mm)



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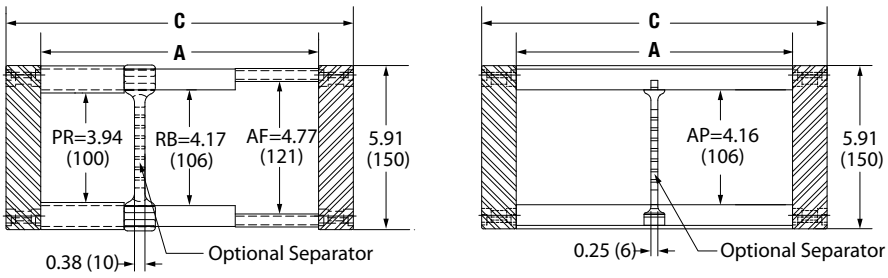
CARRIER CROSS SECTION

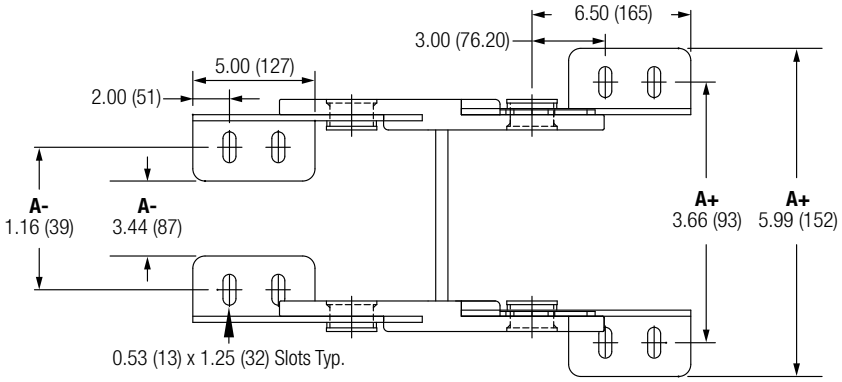


Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

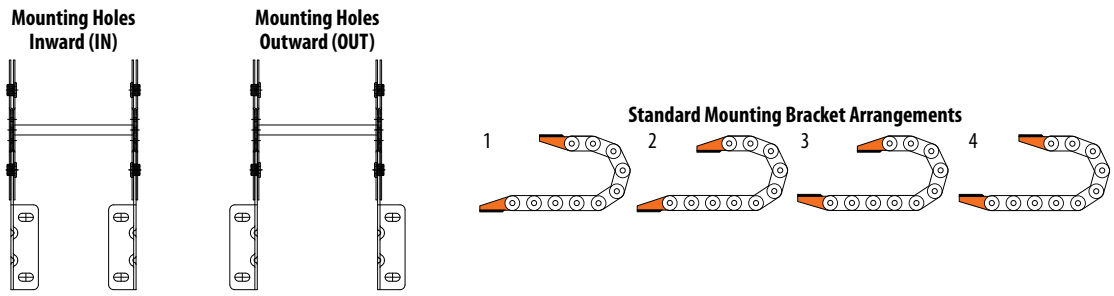
NXL
(Cross bar options: PR/RB/AF)

NXLAP
(w/Aluminum Lids)

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS

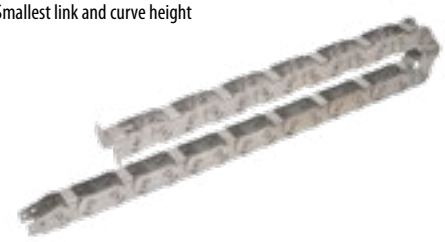
Dynatect's Gortrac steel carriers are ideal for elevated operating temperatures and maximum unsupported spans.

- Unique, patented link designs reduce parts and simplify construction while providing the strongest carriers, at lighter weights, relative to size
- Excellent load-bearing and unsupported travel capability (depending on carrier load)

FEATURE OVERVIEW / SERIES	SA	SB/SC	MA	MRC	SX	SRC/LRC	XX	XL
Designed for reduced weight with maximum unsupported span		✓	✓	✓	✓	✓	✓	
Patented self-cleaning link design expels debris	✓		✓		✓		✓	
Customer specified cavity widths		✓		✓	✓	✓	✓	✓
One-piece link design with integral flat crossbars, standard cavity widths	✓		✓					
Heavy-duty/mill-duty construction option								✓
Enclosed (lid) carrier option						✓		✓ (XL6)
Link (Outer) Height	1.00 (25)	SB 1.38 (35) SC 2.00 (51)	2.00 (51)	2.00 (51)	3.20 (81)	SRC 3.00 (76) LRC 4.00 (102)	6.00 (152)	5.91 - 9.84 (150 - 250)
Link Pitch	1.25 (32	SB 2.00 (51 SC 2.40 (61)	2.50 (64)	3.00 (76)	4.00 (102)	SRC 4.00 (102) LRC 5.00 (127)	7.38 (187)	7.38 - 11.67 (188 - 296)
Curve Heights (H)	3.50 (89)	SB 5.50 (140) SC 7.50 - 13.25 (191 - 337)	6.00 - 13.25 (152 - 337)	7.50 - 17.00 (191 - 432)	10.13 - 27.31 (257 - 694)	SRC 11.00 - 27.50 (279 - 699) LRC 15.00 - 52.50 (381 - 1334)	26.00 - 60.00 (660 - 1524)	26.00 - 80.00 (660 - 2032)

SA SERIES

Smallest link and curve height

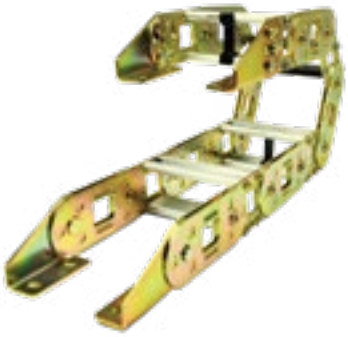


SB SERIES

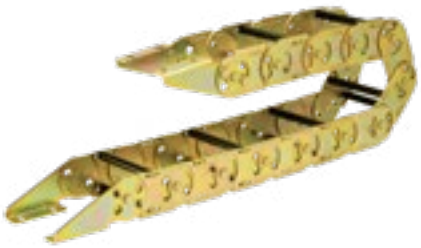
SC SERIES

MA SERIES

MRC SERIES



SX SERIES



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GORTRAC® STEEL | OPEN- & ENCLOSED-STYLE CARRIERS

SRC SERIES

LRC SERIES

XX SERIES

XL SERIES

GORTUBE® STEEL | ENCLOSED-STYLE CARRIERS

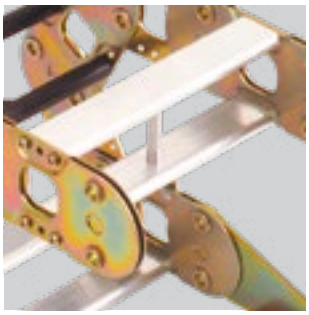
Fully-enclosed Gortube carriers offer the best protection from hot and abrasive elements and liquids, and can operate at faster speeds and accelerations.

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

CROSSBARS, WINDOW EXTENDERS, ARMOR PLATES

Aluminum round bar

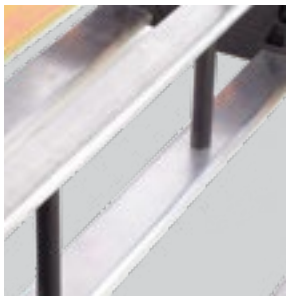


Bolted aluminum flat bar

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

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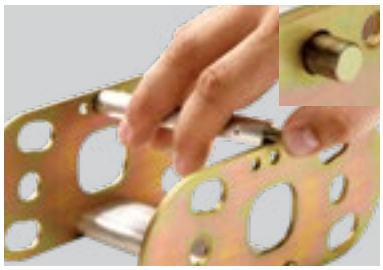
CROSSBARS, WINDOW EXTENDERS, ARMOR PLATES



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

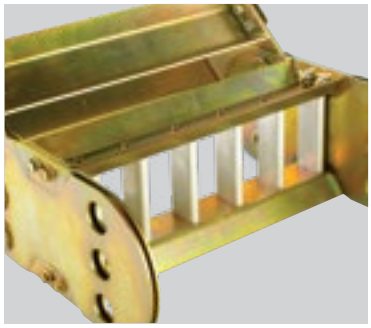
WINDOW EXTENDERS

- 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

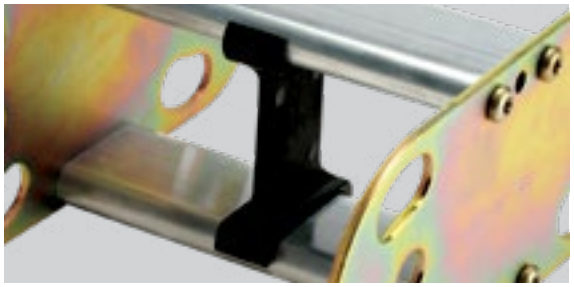
- Offer maximum protection against hot chips and heavy debris
- Ideal for severe and challenging applications (e.g., machine tools, mills, foundries)

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



CAVITY SEPARATION

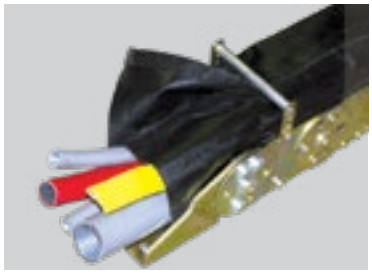
In applications with multiple cables and hoses, cavity separation is a simple, cost-effective method for preventing wear and entanglement. To achieve optimal separation, it is important that each individual compartment be less than twice the height of the cables/hoses inside. This will prevent them from 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

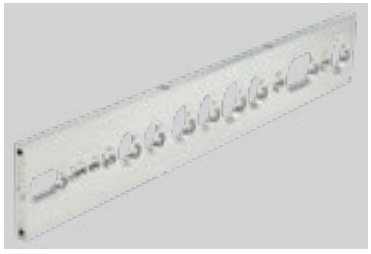
- Provide multiple compartments within a single link*
- Snap or bolt into carrier crossbars
- Available variety of styles, including stationary and rolling designs
- Can be installed every link, or staggered for economy
- Available on most carriers

*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

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CABLE/HOSE CLAMPS, BRACKET OPTIONS

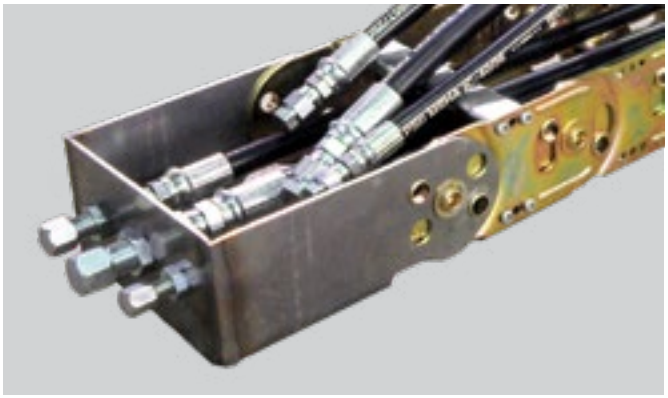
Custom UHMW Clamp

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

Visit website or contact sales 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)

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)

PART NUMBER CONFIGURATION:

Model	Height	Length	Bracket (fixed)	Bracket (moving)
SA	35	15.00	#1STD	#1STD

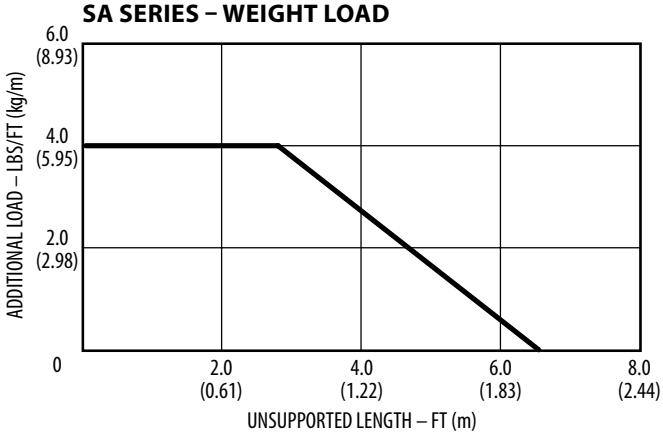
Following above example, add dashes. Part number = **SA-35-15.00-#1STD-#1STD**
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD for standard) and arrangement # (1, 2, 3, 4).

SPECIFICATIONS

MODEL	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
SA	0.94 (24)	1.29 (33)	0.70 (1.04)

HEIGHT	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 – WEIGHT LOAD



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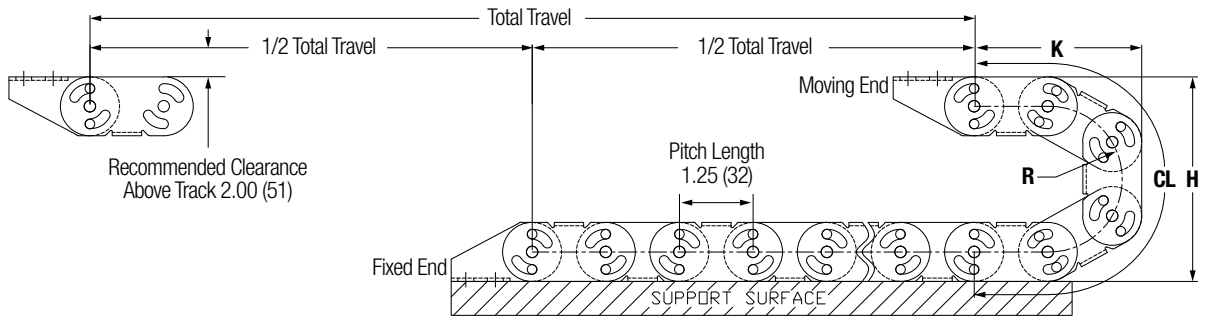
SA SERIES | GORTRAC® STEEL (open-style carriers)

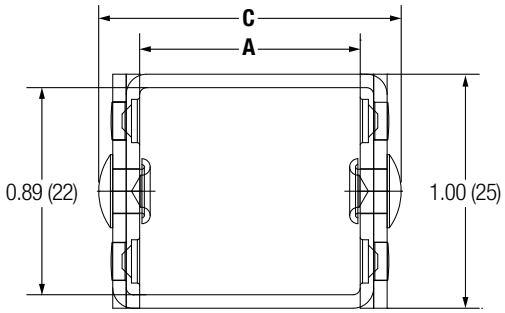
CARRIER SIDE VIEW

Dimensions in inches (mm)



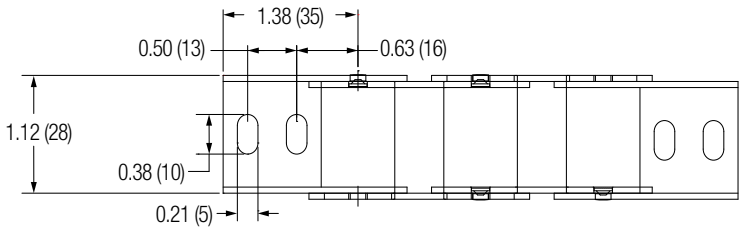
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length.
In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

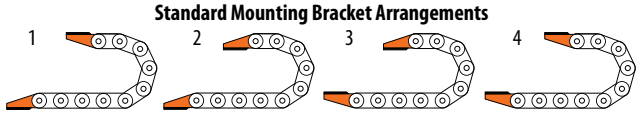
TOP VIEW MOUNTING BRACKET



Dimensions Typ. Both Ends

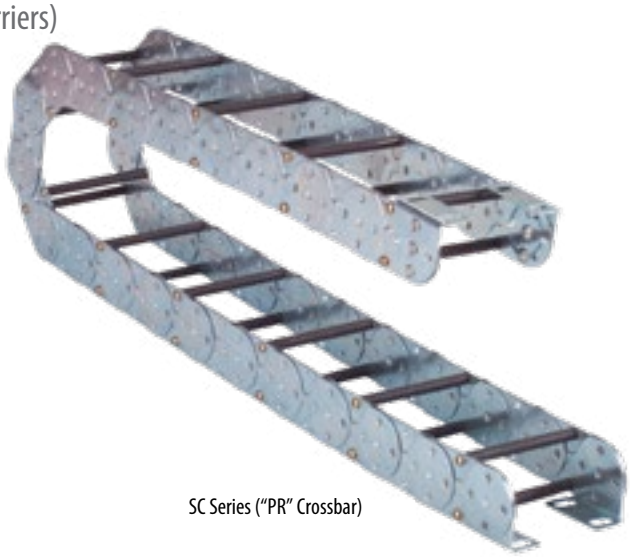
BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



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

SB Series ("RB" Crossbar)



SC Series ("PR" Crossbar)

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
SB	RB	3.00	55	1	48.00	#4IN	#4OUT

Following above example, add dashes. Part number = **SB-RB-3.00-55-1-48.00-#4IN-#4OUT**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

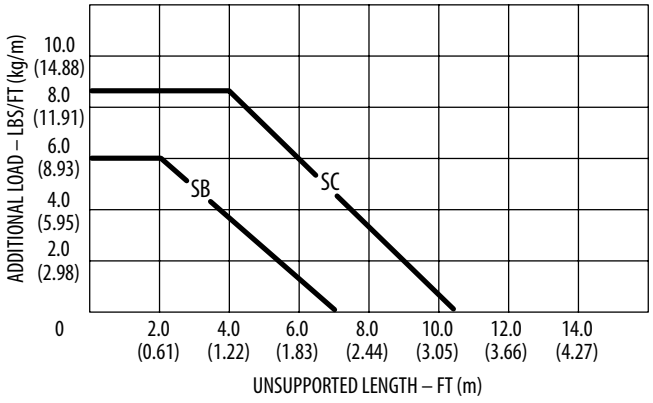
SPECIFICATIONS

MODEL	BAR STYLE	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
SB	RB or PR	Customer Specified	A + 0.50 (13)	1.08 (1.61)
SC	RB or PR	Customer Specified	A + 0.50 (13)	1.72 (2.56)

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

HEIGHT	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 – WEIGHT LOAD



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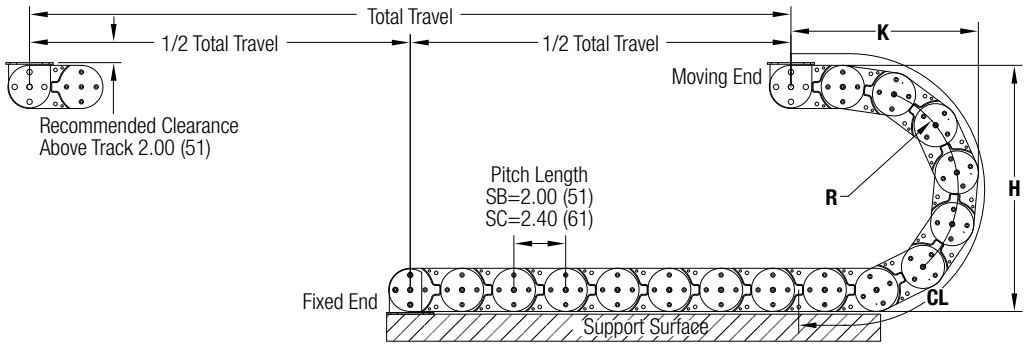
SB/SC SERIES | GORTRAC® STEEL (open-style carriers)

CARRIER SIDE VIEW

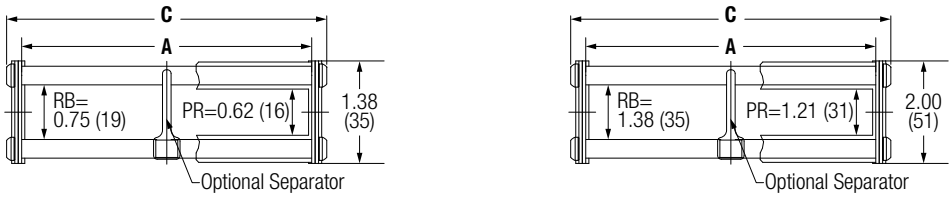
Dimensions in inches (mm)



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

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

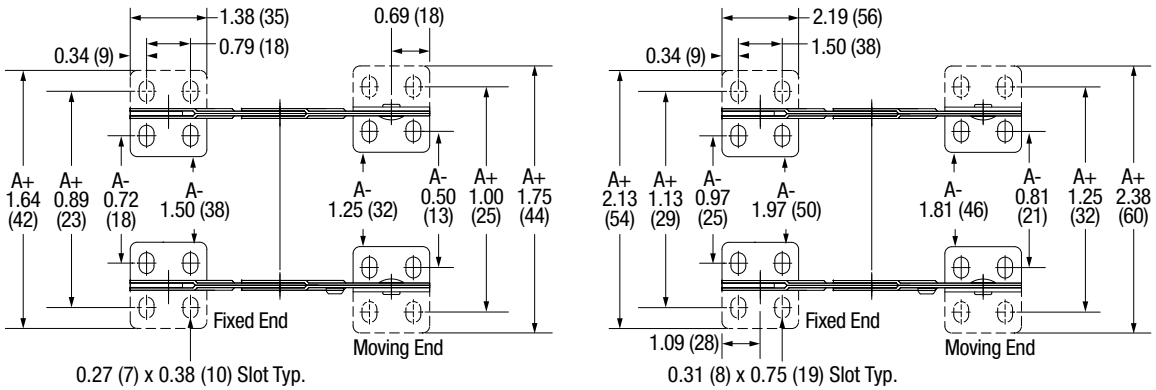
CARRIER CROSS SECTION



SB **SC**

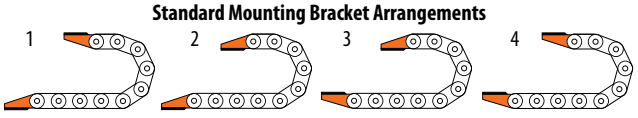
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



SB **SC**

BRACKET ARRANGEMENTS



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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Length	Bracket (fixed)	Bracket (moving)
MA	FB	4.50	75	37.50	#1IN	#1IN

Following above example, add dashes. Part number = **MA-FB-4.50-75-37.50-#1IN-#1IN**
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.
*Integral flat bars (FB) alternating links are standard construction. Option: Poly Roller (PR) or Round Bar (RB) can be added to inside radius (with flat bars on the outside radius).

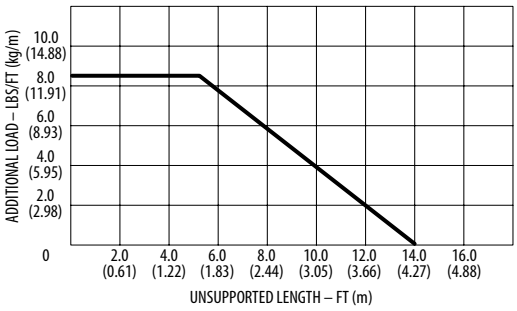
SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
MA	FB / RB / PR	2.25 (57)	2.63 (67)	1.8 (2.78)
MA	FB / RB / PR	3.00 (76)	3.38 (86)	1.9 (2.83)
MA	FB / RB / PR	4.50 (114)	4.88 (124)	2.00 (2.98)
MA	FB / RB / PR	5.50 (140)	5.88 (149)	2.10 (3.13)
MA	FB / RB / PR	7.00 (178)	7.38 (187)	2.20 (3.27)

***Bar Styles:** FB = Flat bar (alternating link) is standard / RB = Bolted aluminum round bar (see photo) / PR = Poly roller over bolted aluminum round bar

HEIGHT	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 (178)	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)

MA SERIES – WEIGHT LOAD



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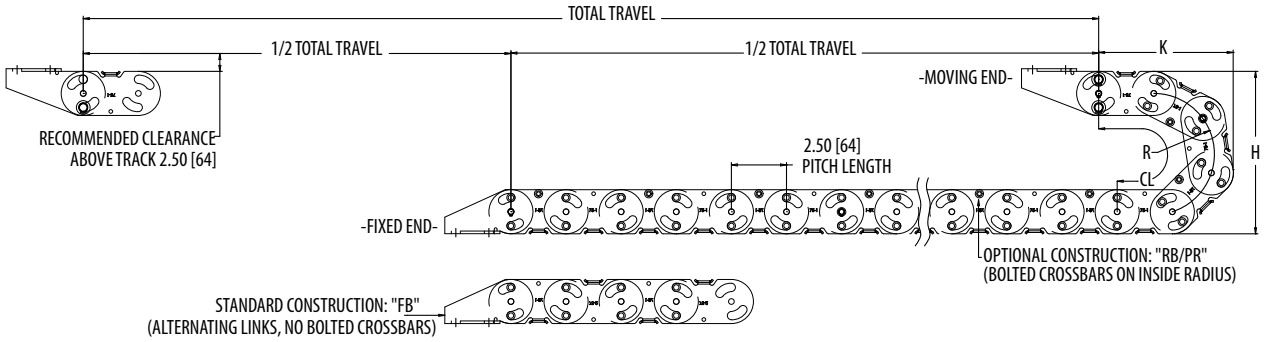
MA SERIES | GORTRAC® STEEL (open-style carriers)

CARRIER SIDE VIEW

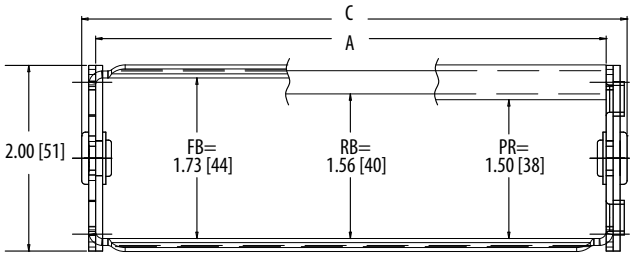
Dimensions in inches (mm)



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

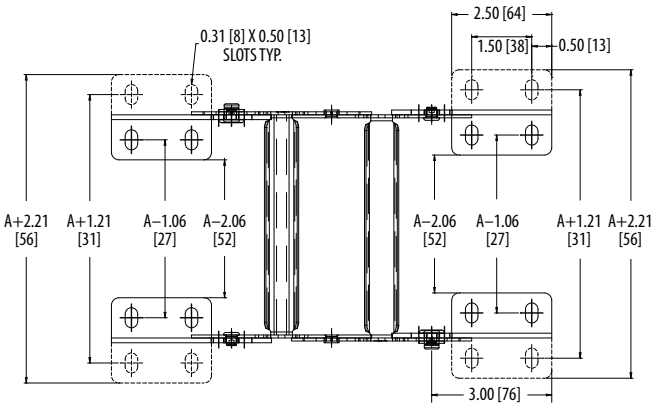
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



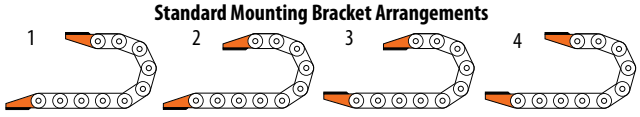
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS

Standard Mounting Bracket Arrangements



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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket-(moving)
MRC	AF	4.00	75	1	90.00	#1IN	#1IN

Following above example, add dashes. Part number = **MRC-AF-4.00-75-1-90.00-#1IN-#1IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

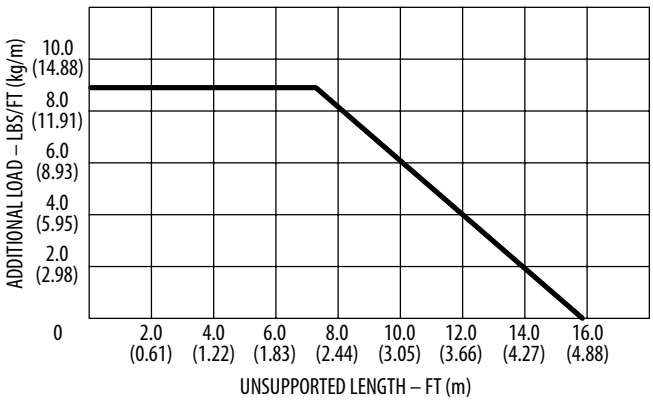
SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	WEIGHT lb/ft (kg/m)
MRC	AF / RB / PR	Customer Specified	A + 0.62 (16)	2.95 (4.39)

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

HEIGHT	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 – WEIGHT LOAD



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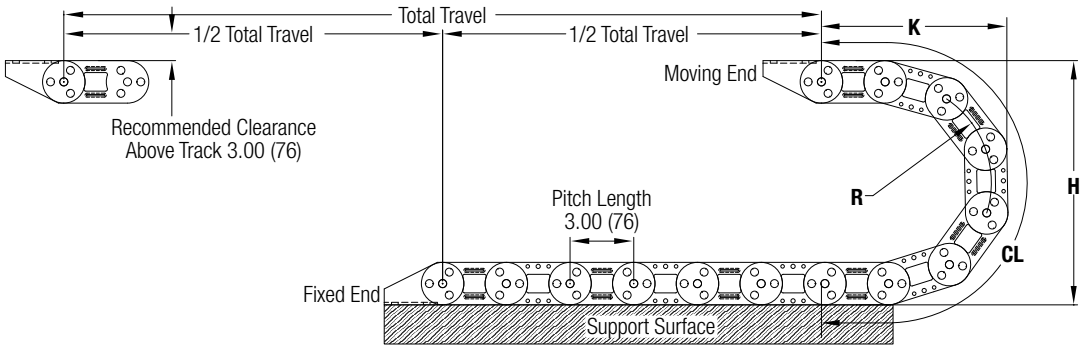
MRC SERIES | GORTRAC® STEEL (open-style carriers)

CARRIER SIDE VIEW

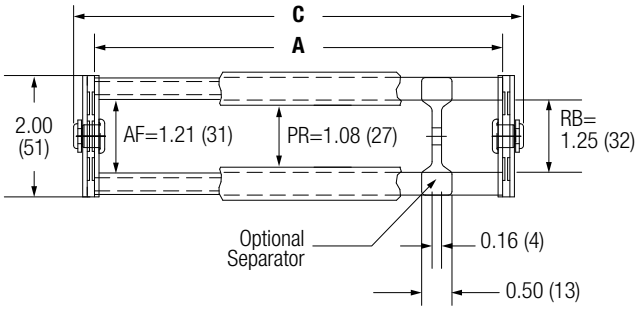
Dimensions in inches (mm)



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

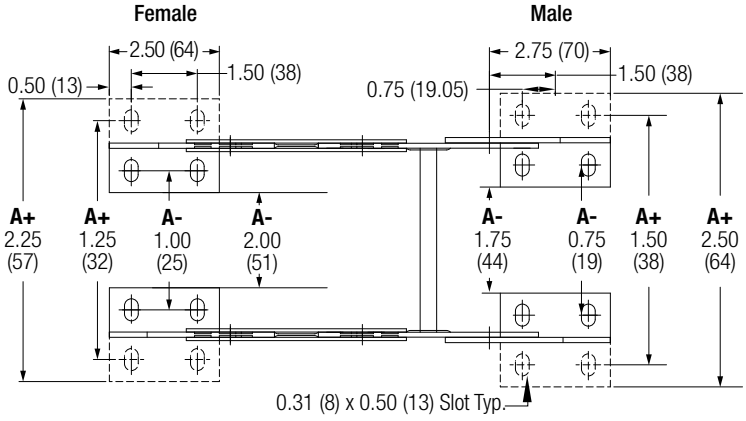
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

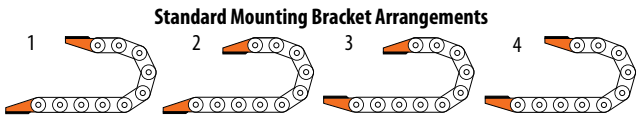


Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
SX	RB	3.25	170	1	120.00	#1IN	#1IN

Following above example, add dashes. Part number = **SX-RB-3.25-170-1-120.00-#1IN-#1IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

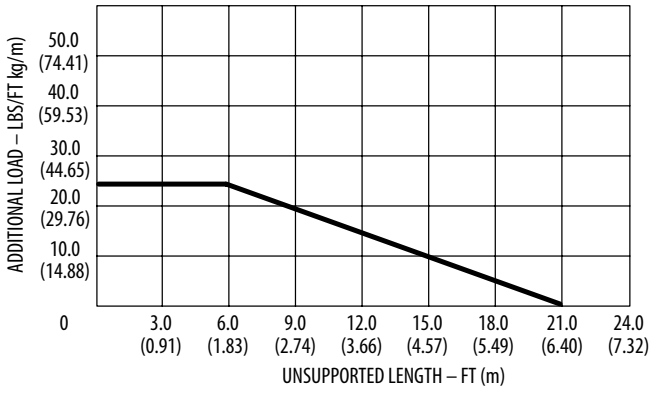
SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
SX	AF / AFS / RB / PR	Customer Specified	A + 0.58 (15)	A - 0.47 (12)	4.6 (6.85)

***Bar 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	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



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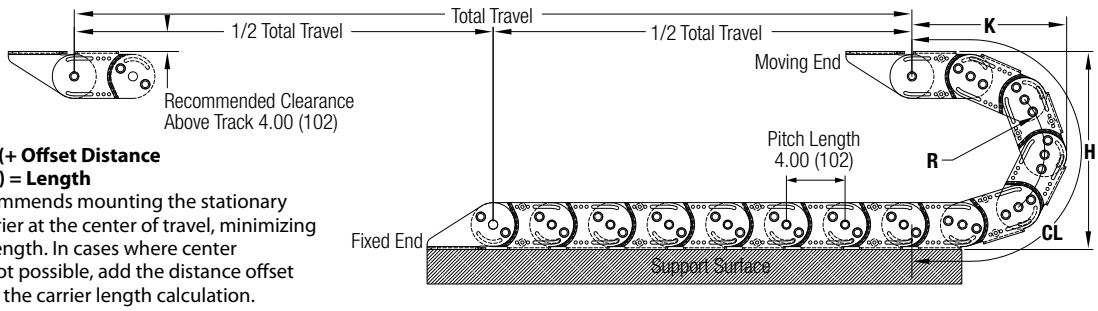
SX SERIES | GORTRAC® STEEL (open-style carriers)

CARRIER SIDE VIEW

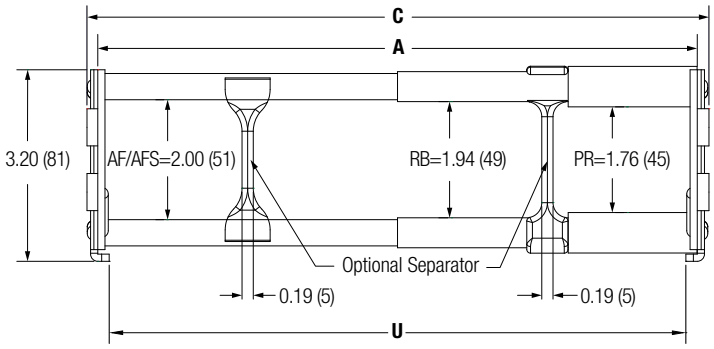
Dimensions in inches (mm)



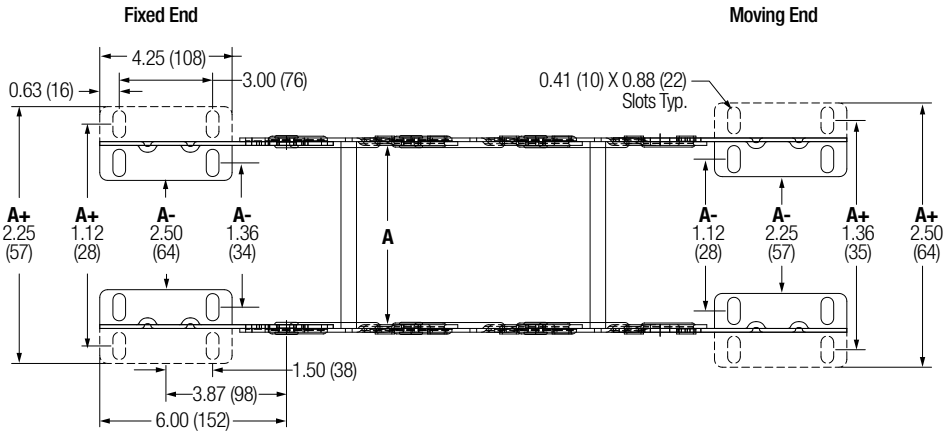
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

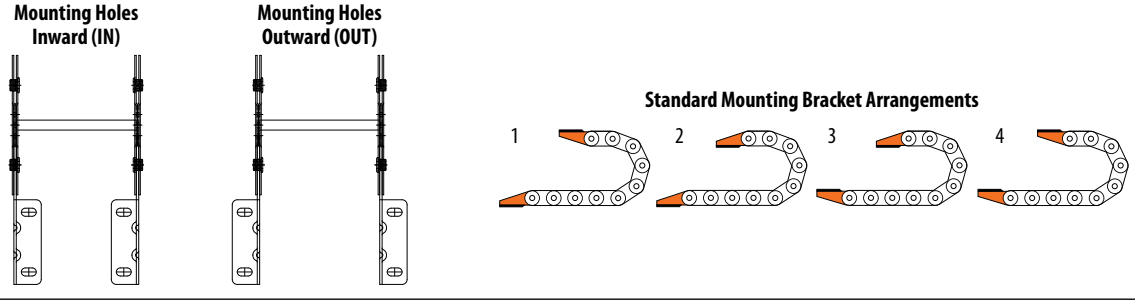
Dynatect
Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill



TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



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


SRC


SRC-AP


LRC


LRC-AP

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
SRC	PR	5.25	110	1	72.00	#2OUT	#2IN

Following above example, add dashes. Part number = **SRC-PR-5.25-110-1-72.00-#2OUT-#2IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

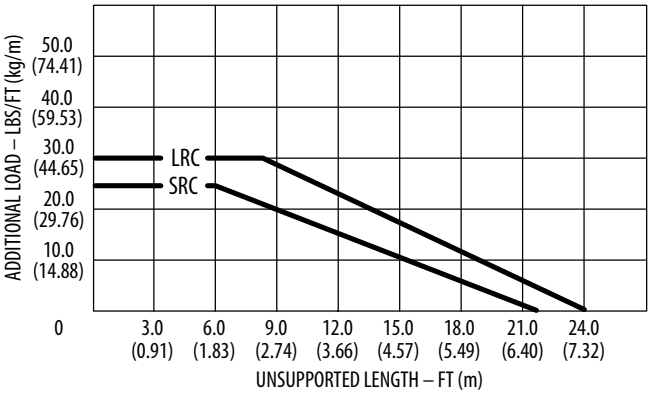
MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
SRC	AF / RB / PR / AP	Customer Specified	A + 0.69 (17)	A - 0.28 (7)	5.00 (7.44)
LRC	AF / RB / PR / AP	Customer Specified	A + 0.69 (17)	A - 0.40 (10)	6.00 (8.93)

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

HEIGHT	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



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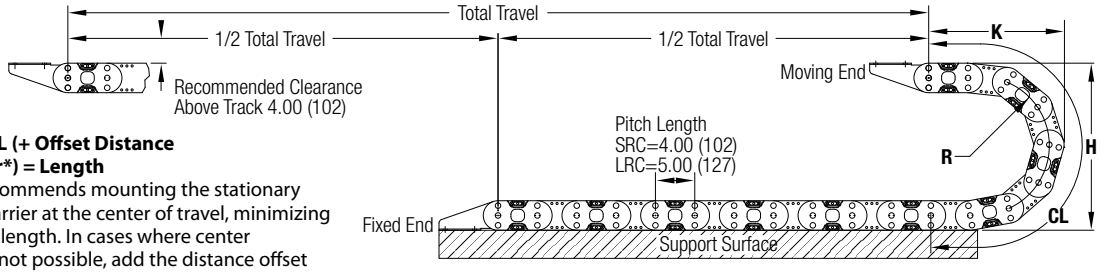
SRC/LRC SERIES | GORTRAC® STEEL (open- & enclosed-style carriers)

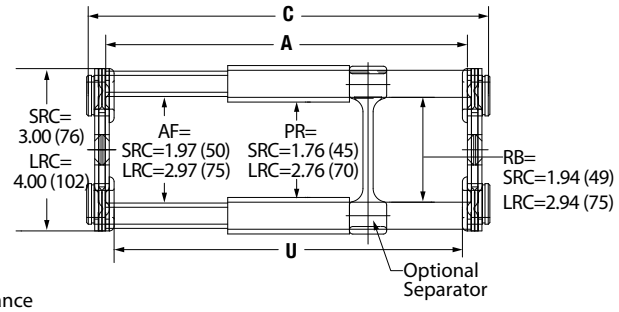
CARRIER SIDE VIEW

Dimensions in inches (mm)

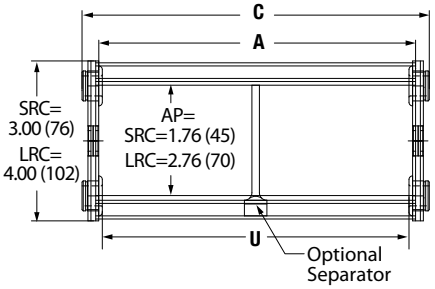


Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



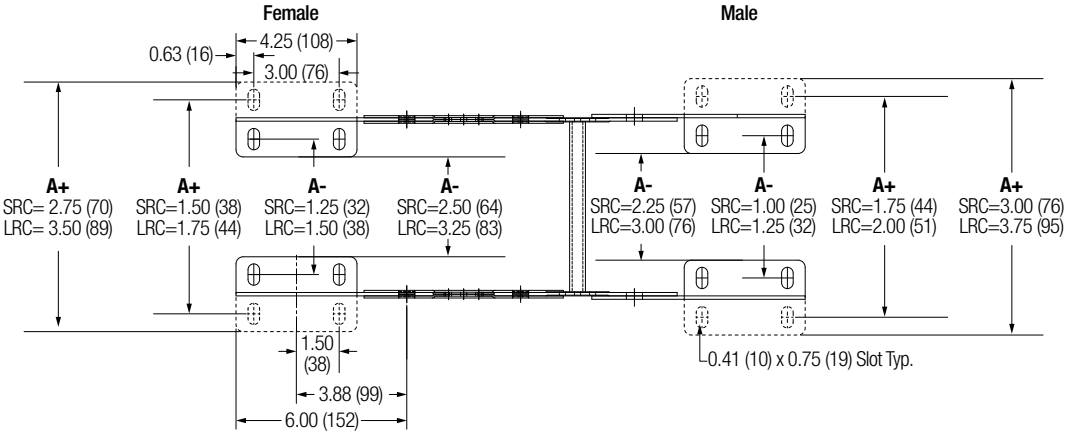
SRC/LRC



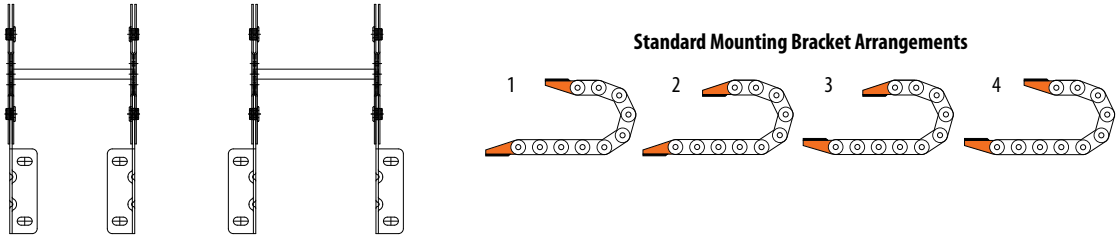
SRCAP/LRCAP
(w/Aluminum Lids)

Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

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)

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
XX6	RB	6.25	470	1	147.60	#1IN	#1IN

Following above example, add dashes. Part number = **XX6-RB-6.25-470-1-147.60-#1IN-#1IN**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

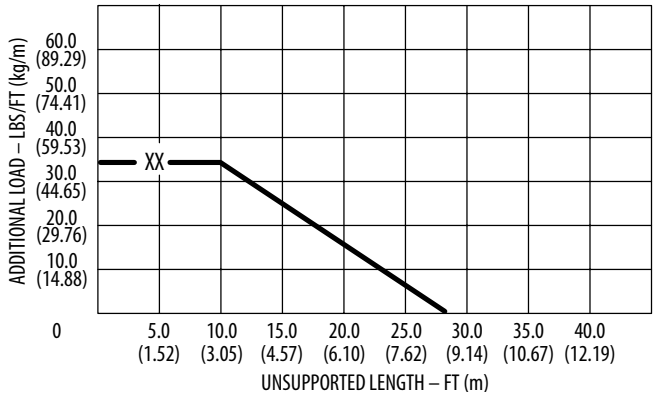
SPECIFICATIONS

MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	U (USABLE CAVITY WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XX6	AF / RB / PR / MC / FC	Customer Specified	A + 0.81 (21)	A - 0.38 (10)	13.00 (19.35)

***Bar 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	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



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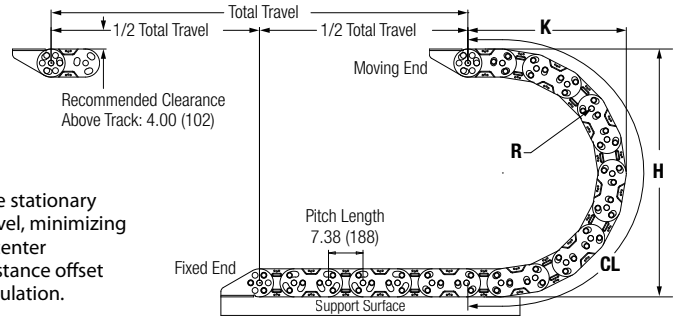
XX SERIES | GORTRAC® STEEL (open-style carriers)

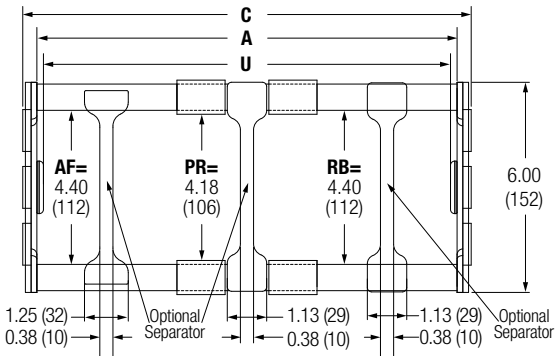
CARRIER SIDE VIEW

Dimensions in inches (mm)



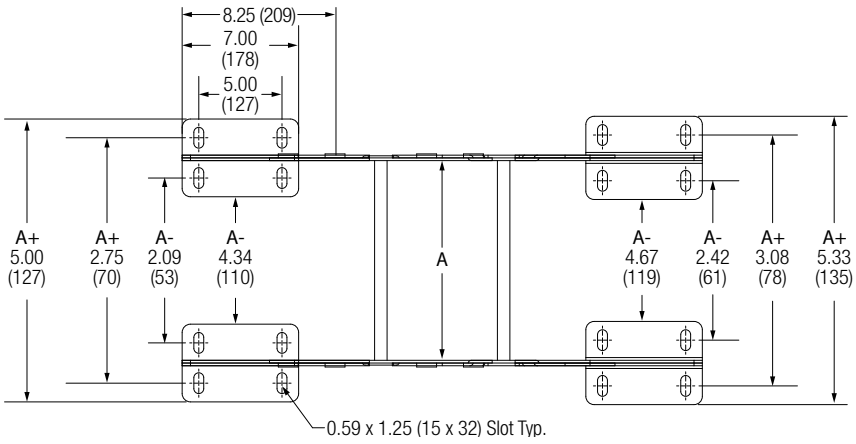
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

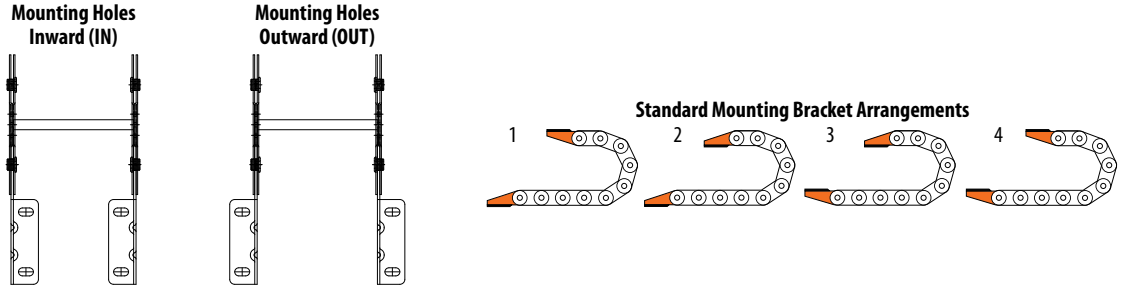


Dynatect Recommends:
- 10% Cable Clearance
- 20% Hose Clearance
- 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
XL6	PR	5.25	530	1	132.84	#2IN	#3OUT

Following above example, add dashes. Part number = **XL6-PR-5.25-530-1-132.84-#2IN-#3OUT**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

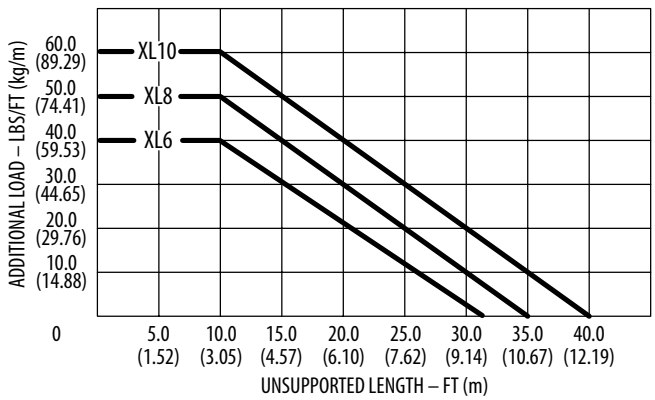
MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XL6	AF / RB / PR / AP / MC / FC	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	20.00 (29.76)

***Bar 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	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



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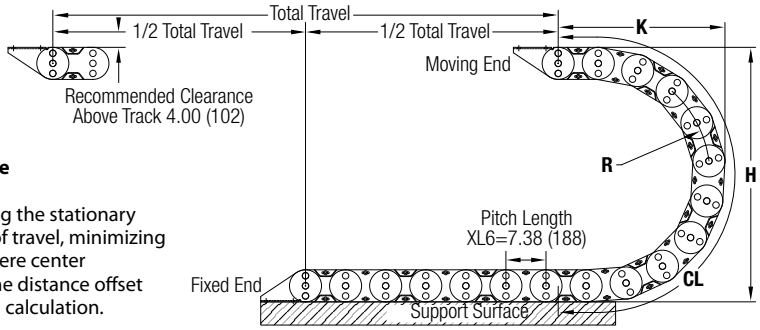
XL SERIES* (XL6) | GORTRAC® STEEL (open- & enclosed-style carriers)

CARRIER SIDE VIEW

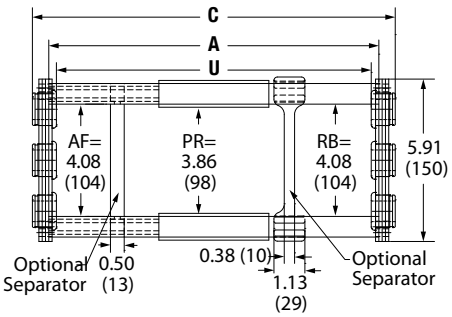
Dimensions in inches (mm)



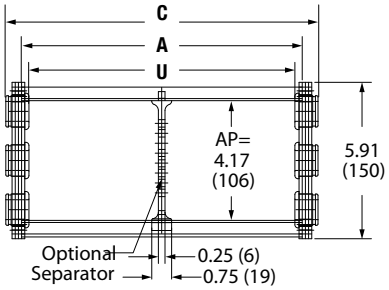
Travel/2 + CL (+ Offset Distance From Center*) = Length

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

CARRIER CROSS SECTION



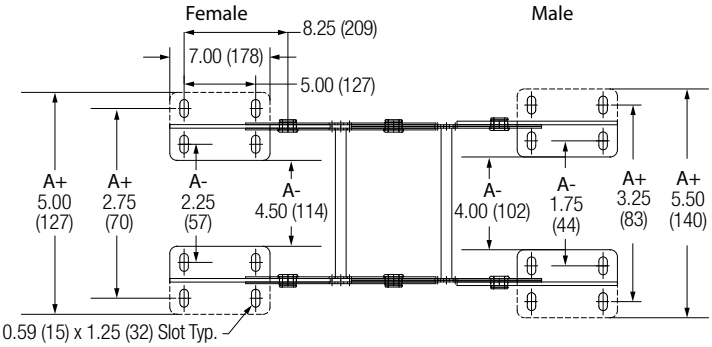
XL6



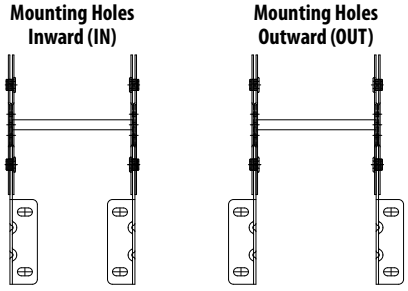
XL6AP (w/Aluminum Lids)

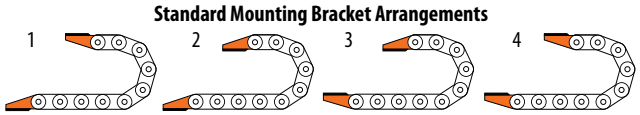
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS





DYNATECT®
DYNAMIC EQUIPMENT PROTECTION

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

PART NUMBER CONFIGURATION:

Model	Bar Style	Bar Width	Height	Separators	Length	Bracket (fixed)	Bracket (moving)
XL8	AF	6.50	470	3	177.27	#3IN	#3OUT

Following above example, add dashes. Part number = **XL8-AF-6.50-470-3-177.27-#3IN-#3OUT**
Bar width is specified in inches, to two decimals.
Separators per link specified; use '0' for none.
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify arrangement # and mounting hole direction (IN or OUT) each bracket.

SPECIFICATIONS

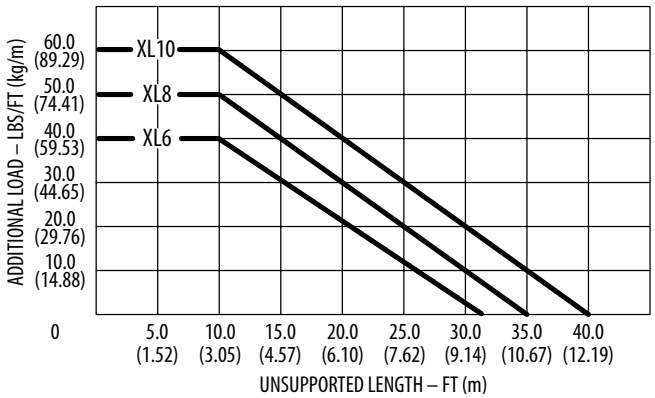
MODEL	BAR STYLE*	A inches (mm)	C inches (mm)	U (USABLE WIDTH) inches (mm)	WEIGHT lb/ft (kg/m)
XL8	AF / RB / PR / MC / FC	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	28.00 (41.66)
XL10	AF / RB / PR / MC / FC	Customer Specified	A + 1.25 (32)	A - 0.51 (13)	32.00 (47.62)

***Bar 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	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



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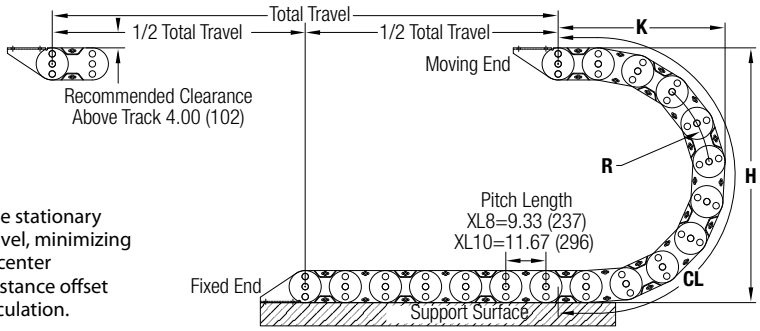
XL SERIES* (XL8/XL10) | GORTRAC® STEEL (open-style carriers)

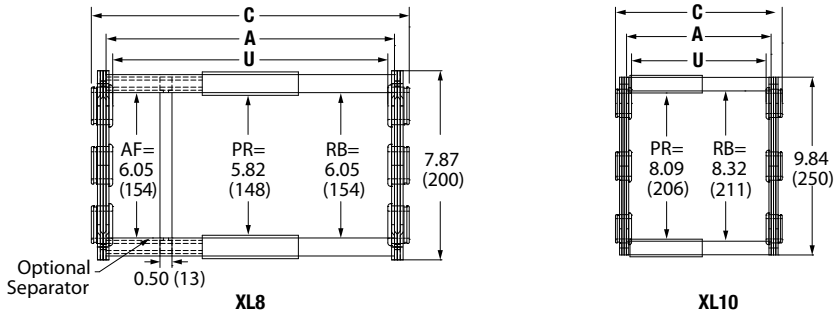
CARRIER SIDE VIEW

Dimensions in inches (mm)



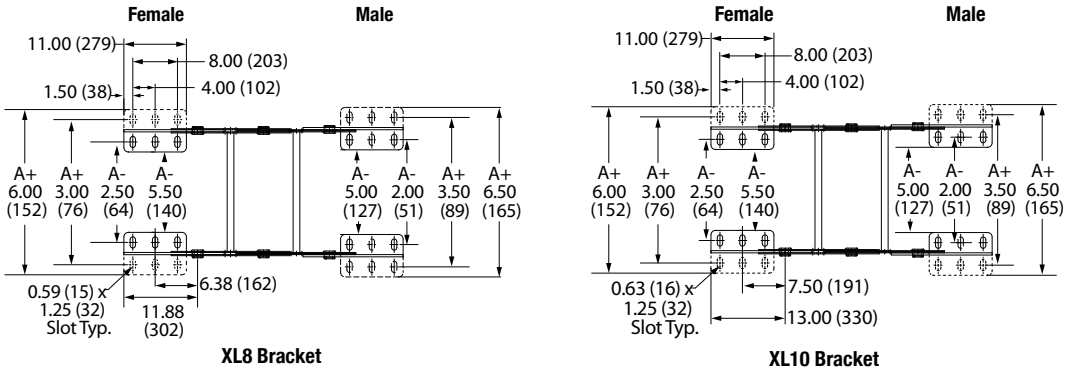
Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION

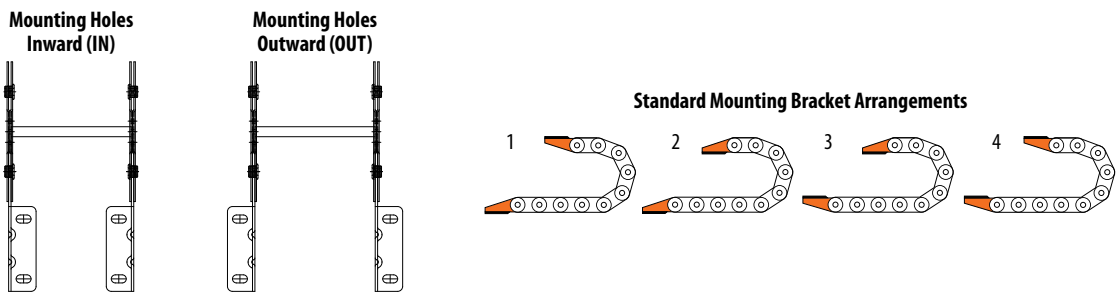


Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

TOP VIEW MOUNTING BRACKET



BRACKET ARRANGEMENTS



GORTUBE® SERIES | STEEL (enclosed-style carriers)

PART NUMBER CONFIGURATION:

Model	Height	Length	Bracket (fixed)	Bracket (moving)
C2C	11	34.00	TYPE B	TYPE A

Following above example, add dashes. Part number = **C2C-11-34.00-TYPE B-TYPE A**
Carrier Length (between flanges) is specified to two decimals in inches. Total number of links depends on pitch length.
Specify bracket type (STD, TYPE A, TYPE B) for each end. Specify arrangement if standard (STD) bracket.

SPECIFICATIONS

MODEL	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	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)

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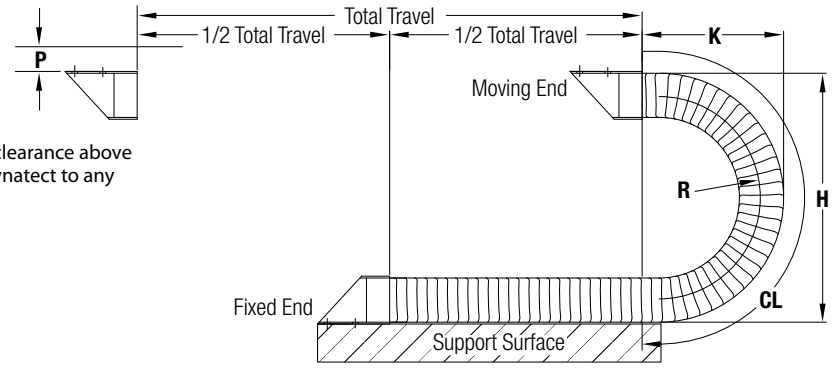
GORTUBE® SERIES | STEEL (enclosed-style carriers)

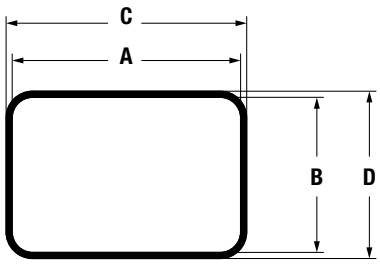
CARRIER SIDE VIEW



P = Recommended clearance above track. Please alert Dynatect to any space restrictions.

Travel/2 + CL (+ Offset Distance From Center*) = Length
Dynatect recommends mounting the stationary end of the carrier at the center of travel, minimizing the required length. In cases where center mounting is not possible, add the distance offset from center to the carrier length calculation.

CARRIER CROSS SECTION



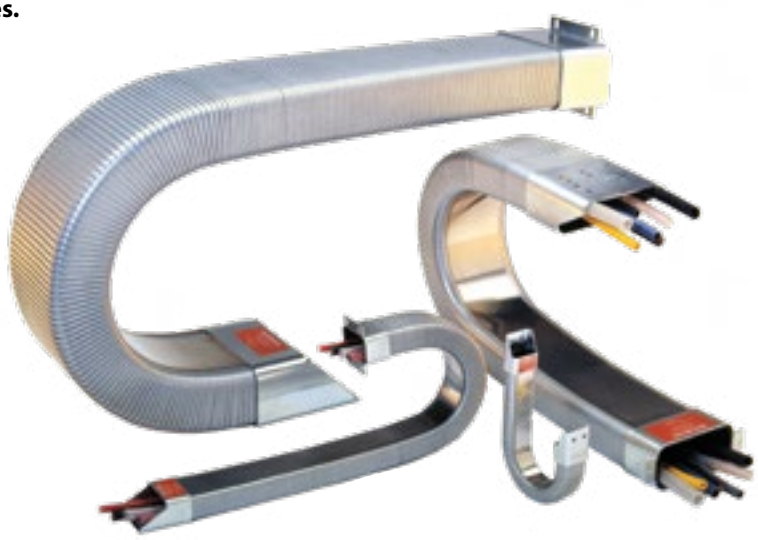
Dynatect Recommends: • 10% Cable Clearance • 20% Hose Clearance • 60% Maximum Fill

Please see next page for mounting flanges.

Optional Construction Types:

(Please consult factory for lead times)

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

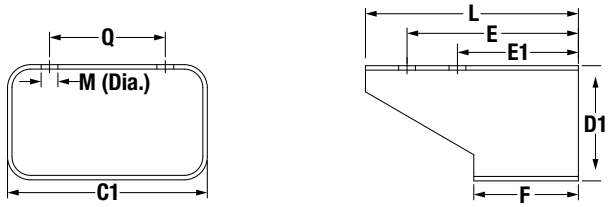


GORTUBE® SERIES | MOUNTING FLANGES (enclosed-style carriers)

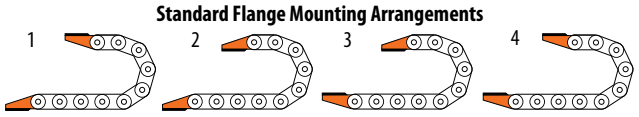
SPECIFICATIONS – STANDARD FLANGE OPTIONS

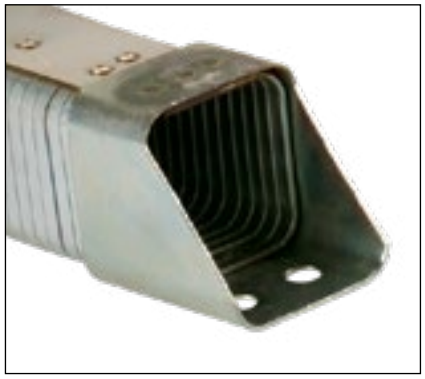
MODEL	C1 inches (mm)	D1 inches (mm)	Q inches (mm)	M inches (mm)	E inches (mm)	E1 inches (mm)	F inches (mm)	L inches (mm)
C0	1.33 (34)	0.94 (24)	0.50 (13)	0.22 (6)	1.63 (41)	-	1.25 (32)	2.00 (51)
C1	2.11 (54)	1.34 (34)	0.88 (22)	0.28 (7)	1.75 (44)	-	1.19 (30)	2.38 (60)
C1A	2.11 (54)	2.12 (54)	0.88 (22)	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)

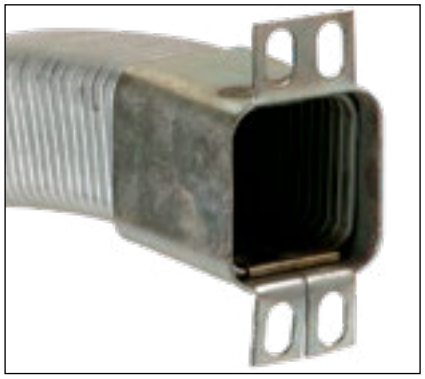
GORTUBE STANDARD FLANGE



STANDARD FLANGE ARRANGEMENTS – Please specify arrangement when ordering standard flanges




Standard Flange (specify "STD" in part number)


Type "A" Flange (specify "TYPE A" in part number)


Type "B" Flange (specify "TYPE B" in part number)

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

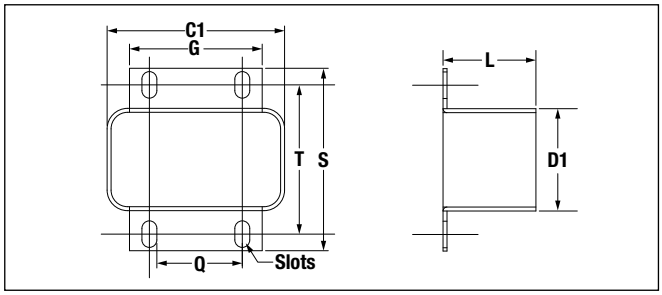
SPECIFICATIONS – TYPE A FLANGE OPTIONS

MODEL	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)	1.46 (37)	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)

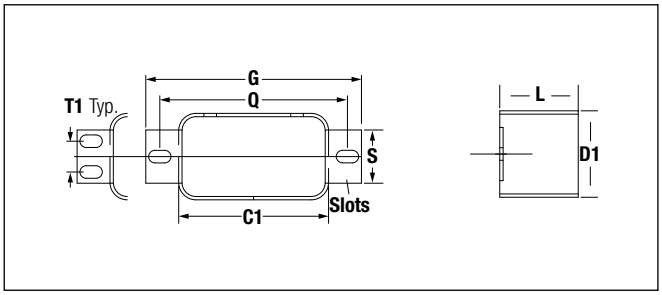
SPECIFICATIONS – TYPE B FLANGE OPTIONS

MODEL	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



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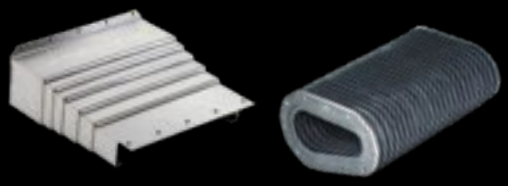

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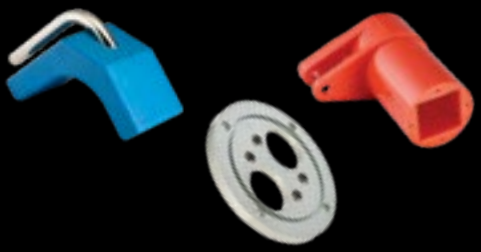

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