

CATRAC Cable & Hose Carrier Products

Ordering Guide & Technical Information







CATRAC[®] is used on various types of machinery as a means of safely and efficiently conveying power, electrical, air, or fluid (or a combination of these) to equipment in motion. CATRAC is designed to be maintenance free and to protect cables and hoses from abrasion, wear and twisting. A wide variety of options are available.

The center pivot design allows for smoother cycling and minimal hose movement. The CATRAC design offers "No Pinch Points" to insure operator safety. Standard side links are high tensile steel for maximum strength. Steel CATRACs are zinc plated with a yellow dichromate dip for superior corrosion resistance. Optional materials, such as aluminum and stainless steel are available.

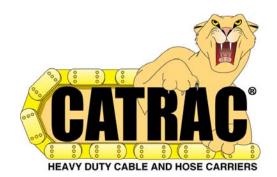
We also offer a line of Mill Duty CATRACs that are used in rugged applications and environments such as steel mills. These CATRACs offer a box beam type carrier for maximum strength and stability. Spring loaded rods offer the customer easy access to cables and hoses. They also eliminate the concern of fitting sizes that must pass through the (fixed) compartment opening on a box beam style carrier. Hardened shoulder bolts and locknuts (referred to as bolted construction) are recommended for use in rugged environments. The CATRAC is manufactured so that pieces or sections can be removed or replaced in the field.

Our CATRAC product offers: a variety of sizes from 2.00" to 14.00" high links, carrier options from welded carriers,

split aluminum bar carriers, rod carriers, removable pipe, spring loaded rods, vertical pins, double deck, custom radius "M" dimension (including double radius), custom and special widths, including single widths, double widths, triple widths, etc.. We offer various support systems from a single stationary roller support to a complete CATRAC carriage support system.

We can provide you with the optimum system to suit your needs either with our standard carriers and options or by means of a custom designed system to meet your specific requirements. In addition to our standard systems used in a standard linear motion, we can also provide you with double radius side mounted systems. Contact our applications engineers for additional information or to discuss your needs in detail.

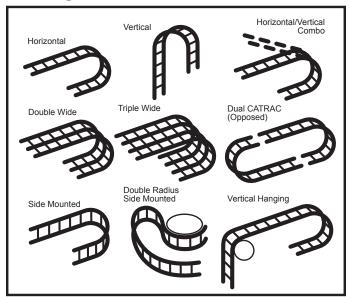
Get on the right track with CATRAC cable & hose carriers.



CATRAC® Features

- No pinch points
- Center pivot design for minimal cable and hose wear
- Wide variety of standard carrier designs
- Available in any radius or width
- Custom designs available to optimize your system
- Superior finish and corrosion resistance
- JIT programs
- Short lead times
- Designed and manufactured in the USA

Mounting Variations



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CATRAC Selection Guide

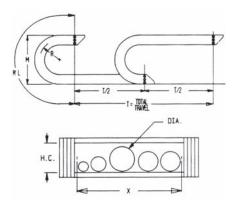
Which CATRAC is right?

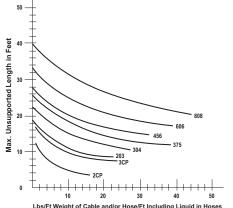
- 1. Determine the outside diameter of the largest cable or hose to be carried.
- Determine total machine travel. Unsupported length of CATRAC[®] on horizontal applications is total travel ÷ 2 when no supports are used and the stationary mounting foot is placed at the center line of travel.
- 3. Determine total weight to be carried per foot.
- Use the charts to select the proper CATRAC style for your application. Please note that hose area varies with type of carriers used.
- Determine the rolling radius of the CATRAC by:
 A) Minimum bend radius of cable or hose recommended by the manufacturer. If this is not available, we recommend a minimum of 6 times the O.D. of the largest cable or hose.

B) Space limitations. The "M" dimension of the CATRAC must be less than the available space where track will be installed. The rolling radii shown in the dimension pages are standard. Special radii and "M" dimensions are available to suit your application at no additional cost.

- 6. Determine CATRAC "X" or inside width. Add the O.D. of all cables and hoses. Allow a minimum of 0.12" between each hose or cable and on both sides of the CATRAC. If vertical separators or hose straps are used, additional clearance is required.
- 7. Determine the length of the CATRAC. If the mounting foot is placed on the center line of travel as shown on the dimension pages, CATRAC Length = "RL" (radial length) + 1/2 of total travel (T/2). If the mounting foot is placed on either side of center line, the distance from the center line to the mounting foot (Y) must be added.
- 8. Determine mounting feet requirements and positioning on the CATRAC assembly.

If you need assistance or have any questions on special applications, feel free to contact our application engineers.





	Max. Hose or Cable Clearance			
Style	RP/RC, SL	WC, AB		
203	1.10	1.25		
304	1.93	2.00		
375	2.67	2.75		
456	3.14	3.50		
606	4.37	4.50		
808	6.00	6.50		
2CP	1.18, 1.20	1.25		
3CP	1.90	2.00		
Consult manufacturer for special carrier designs.				

The charts below give conservative estimates of cable and hose O.D. and weight and should be used for quick reference only. Diameters and weights will vary and should be verified with manufacturer.

General Purpose Hose								
Hose Size I.D x O.D.	Braid	Max. PSI	Hose Weight Lbs/Ft	Liquid Weight Lbs/Ft				
1/4 x 18/32	2	300	.18	.03				
3/8 x 22/32	2	250	.23	.05				
1/2 x 22/32	2	250	.29	.09				
3/4 x 1 7/32	2	225	.46	.16				
1 x 1 1/2	2	225	.64	.34				
1 1/4 x 1 25/32	2	225	.70	.53				
1 1/2 x 2 1/32	2	225	.80	.77				

		Small	Cable		
	16 AWG			14 AWG	
No. Cond.	Dia. in in/mm	Weight lb/ft kg/m	No. Cond.	Dia. in in/mm	Weight Ib/ft kg/m
2	0.41/10.4	.091/0.14	2	0.53/13.5	.151/0.22
3	0.43/10.9	.112/0.17	3	0.56/14.2	.186/0.26
4	0.49/12.5	.150/0.22	4	0.61/15.5	.221/0.33
5	0.53/13.5	.168/0.25	5	0.62/15.8	.288/0.43
6	0.57/14.5	.195/0.29	6	0.74/18.8	.332/0.49
7	0.61/15.5	.222/0.33	7	0.80/20.3	.362/0.54
8	0.65/16.5	.243/0.36	8	0.85/21.6	.407/0.61
10	0.72/18.3	.306/0.46	10	0.90/22.9	.477/0.71
12	0.74/18.8	.343/0.50	12	0.93/33.6	.529/0.79
16	0.83/21.1	.425/0.63	16	1.08/27.4	.723/1.08
20	0.90/22.9	.512/0.76	20	1.18/30.0	.865/1.29
24	1.02/25.9	.630/0.94	24	1.29/32.8	1.01/1.50
30	1.07/27.2	.745/1.11	30	1.40/35.6	1.25/1.86
36	1.16/29.5	.888/1.32	36	1.51/38.4	1.47/2.19
	12 AWG			10 AWG	
No. Cond.	Dia. in in/mm	Weight lb/ft kg/m	No. Cond.	Dia. in in/mm	Weight Ib/fl kg/m
2	0.61/16.5	.207/0.31	2	0.65/16.5	.243/0.36
3	0.64/16.3	.253/0.38	3	0.70/17.8	.311/0.46
4	0.67/17.0	.297/0.44	4	0.75/19.1	.385/0.57
5	0.73/18.5	.351/0.52	5	0.82/20.8	.461/0.69
6	0.80/20.3	.409/0.61	6	0.88/22.4	.532/0.79
7	0.86/21.8	.472/0.70	7	0.98/24.9	.649/0.97
8	0.92/23.4	.519/0.77	8	1.05/26.7	.717/1.07
10	1.02/25.9	.635/0.95	10	1.13/28.7	.838/1.25
12	1.05/26.7	.706/1.05	12	1.16/29.5	.938/1.40
16	1.16/29.5	.921/1.37	16	1.29/32.8	1.23/1.83
20	1.29/32.8	1.10/1.64	20	1.46/37.1	1.55/2.31
24	1.45/36.8	1.35/2.01	24	1.60/40.6	1.81/2.69
30	1.53/38.9	1.60/2.38			



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RC Rod Carriers

WC Welded Carriers

Available on 2CP, 3CP, 203, 375, 304 style tracks, this tubing is used to hold the entire CATRAC[®] together. They are fastened to links with a self tapping screw that can be removed from top or bottom rod to make installation of hose or cable easier.

The carrier is widely used in very rugged applications. It can withstand severe hydraulic shock and has no loose parts which can be lost during installation of the hose cable. The welded carrier bars alternate position top to bottom on styles 203, 375 and 304. Styles 456, 606 and 808 use a box beam construction with top and bottom beams across from each other for added strength.





This assembly provides easy installation of cable and hose. The pipe can be removed by knocking out a roll pin and pulling it out the side of the CATRAC.

SL Spring Loaded Removable Pipe

This design provides the quickest way to install or change cable and hose in the field. Simply compress the plunger and pull the pipe out. No screws or pins need to be removed and no side space limitations need to be considered.

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AB Split Bar Carriers

1/2" wide aluminum or 3/4" wide wood split bar carriers can be provided. This carrier is custom machined to your specifications. Note: Holes must be at least 1/8" larger than cable hose diameter.

VP Vertical Pins

Vertical pins, also referred to as separators or dividers, can be welded into RP, SL and WC style carriers to separate cables or hoses to prevent twisting or overlap.

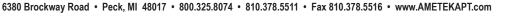
Extra Heavy Duty (Mill-Duty) Construction

For steel mills and other heavy duty service, the double welded carrier (MD option) is used as well as bolted construction (BC option). This structure has the ultimate strength for a carrier. Box beam construction is standard in the 456, 606, and 808 styles and can withstand severe hydraulic shock loads.

Optional & Special Carrier Designs

Special perforated carriers can be supplied which provide openings for hose straps. The hose straps, if used, should be very loose and used as a hose and cable separator rather than a tie down.

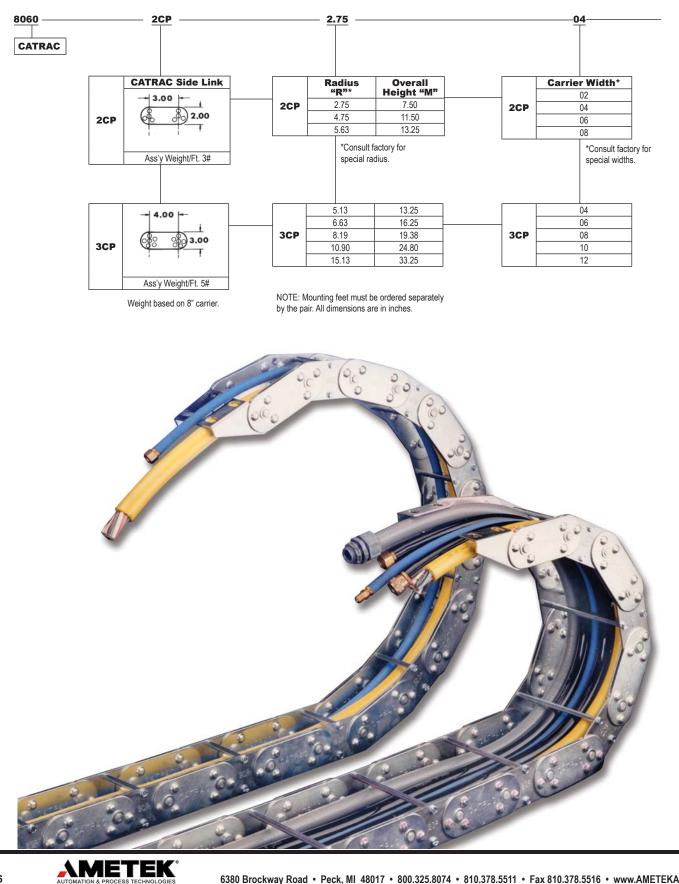
Many carriers and stiffeners are designed in cooperation with our customers. We welcome ideas to fit your specific application needs.







2CP and 3CP CATRAC® Part Number System



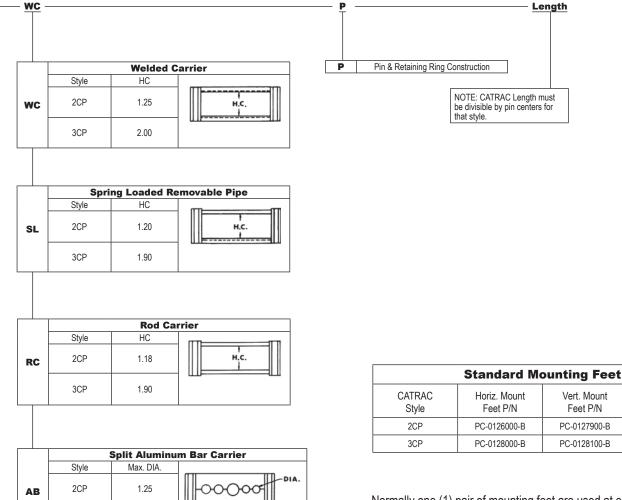
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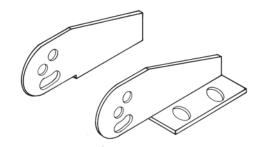
3CP

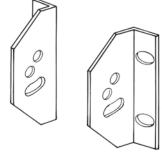
2.00

2CP and 3CP CATRAC[®] Part Number System



Normally one (1) pair of mounting feet are used at each end of the CATRAC. Unless specified, flanges are mounted inward on standard CATRAC.





Req'd per

CATRAC

2 Pair

2 Pair

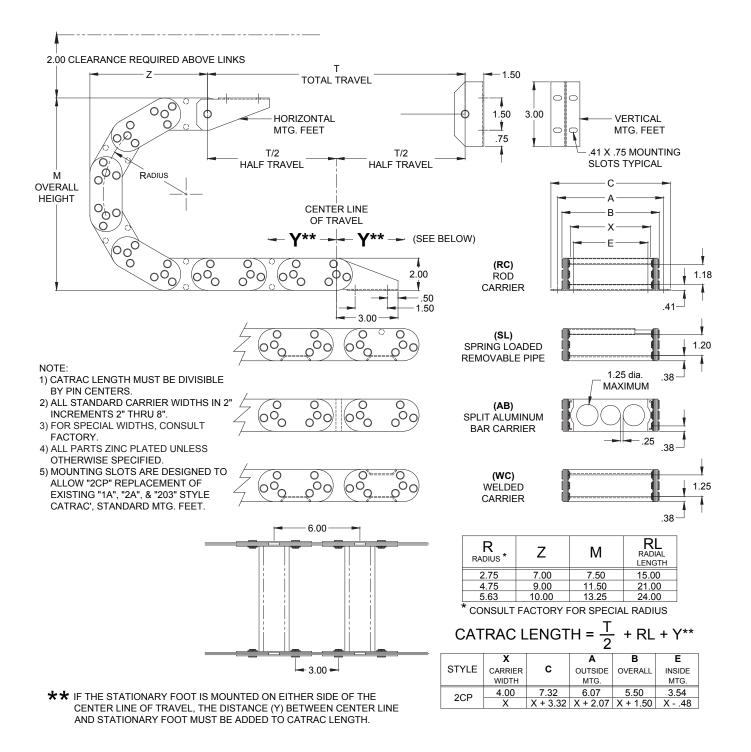
Vertical Mounting Feet

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Horizontal Mounting Feet



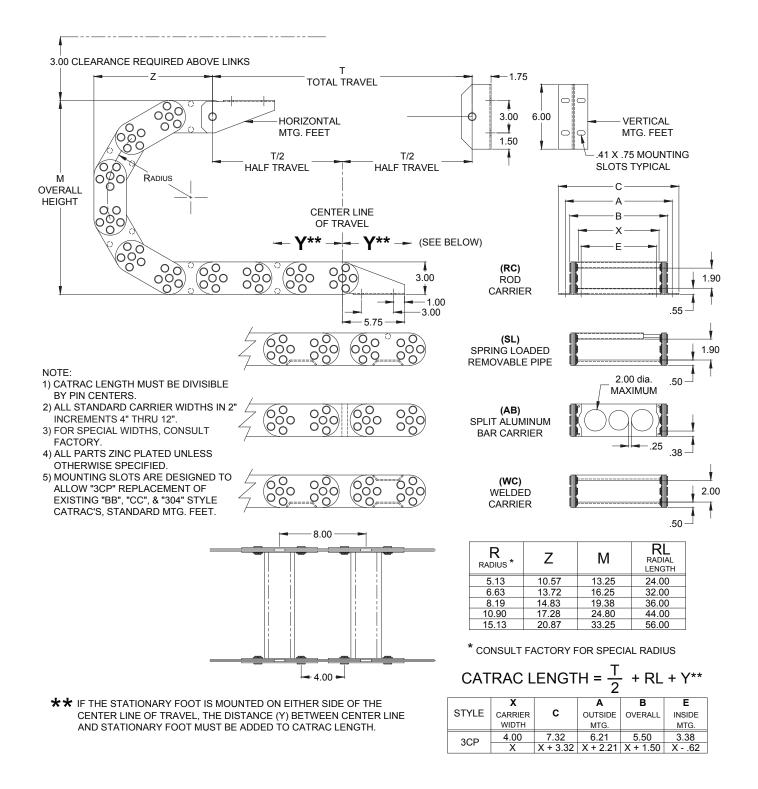


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CATRAC[®] 3CP Dimensions

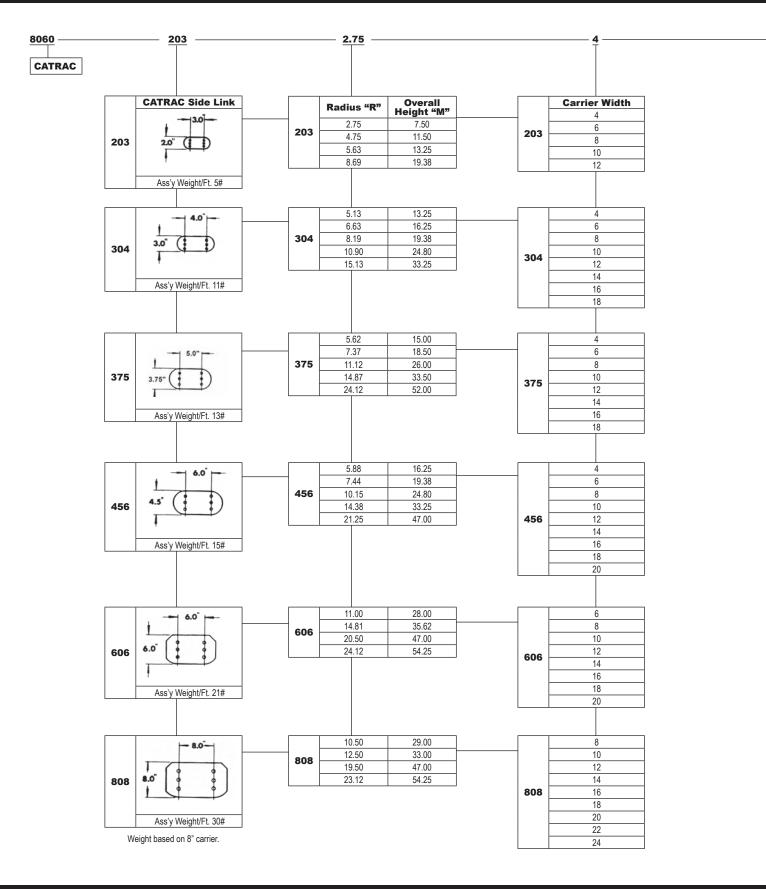




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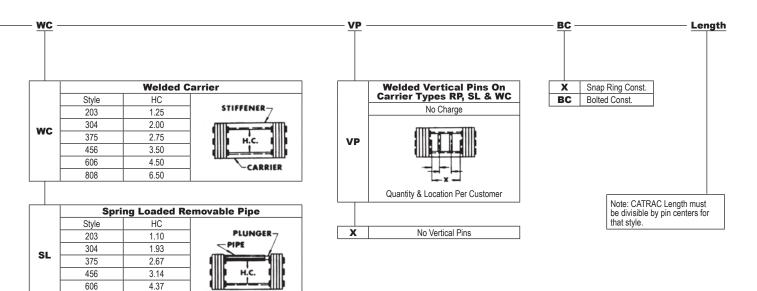
Mill-Duty CATRAC[®] Part Number System



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Mill-Duty CATRAC[®] Part Number System



		Removab	le Pipe
	Style	HC	
	203	1.10	PIPE
RP	304	1.93	
RP	375	2.67	H.C.
	456	3.14	
	606	4.37	
	808	6.00	
	S	plit Aluminun	n Bar Carrier
	Style	Max. Hole	
	203	1.25	∕_DIA.
AB	304	2.00	
AD	375	2.75	
	456	3.50	
	606	4.50	

6.50

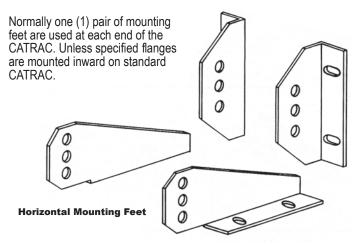
6.00

808

808

Standard Mounting Feet						
CATRAC Style	Horiz. Mount Feet P/N	Vert. Mount Feet P/N	Req'd per CATRAC			
203	PC-0089000-B	PC-0089200-B	2 Pair			
304	PC-0091000-B	PC-0091200-B	2 Pair			
375	PC-0191900-B	РС-0192000-В	2 Pair			
456	PC-0093000-B	PC-0093200-B	2 Pair			
606	PC-0095000-B	PC-0095200-B	4 Pair			
808	PC-0097000-B	РС-0097200-В	4 Pair			

Vertical Mounting Feet

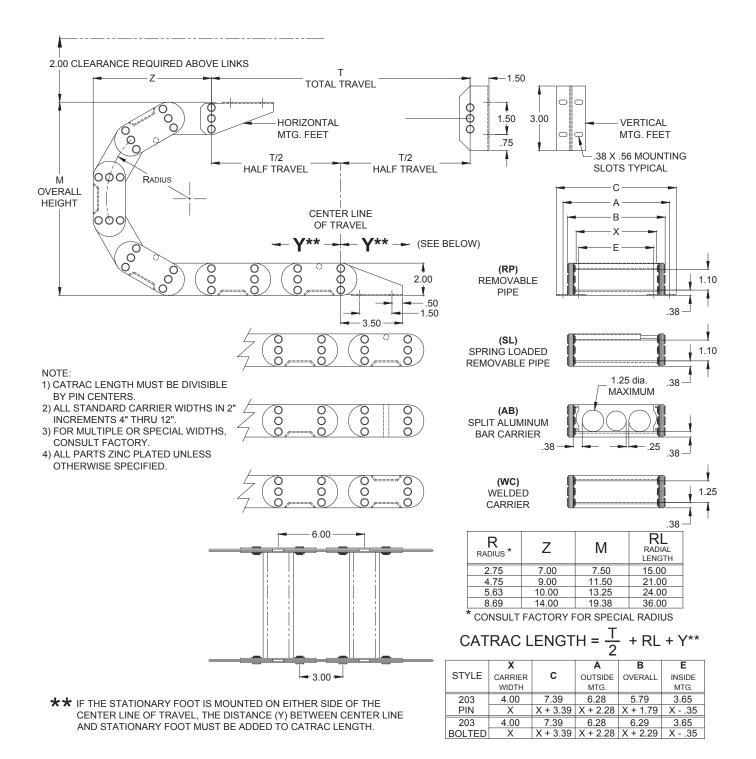




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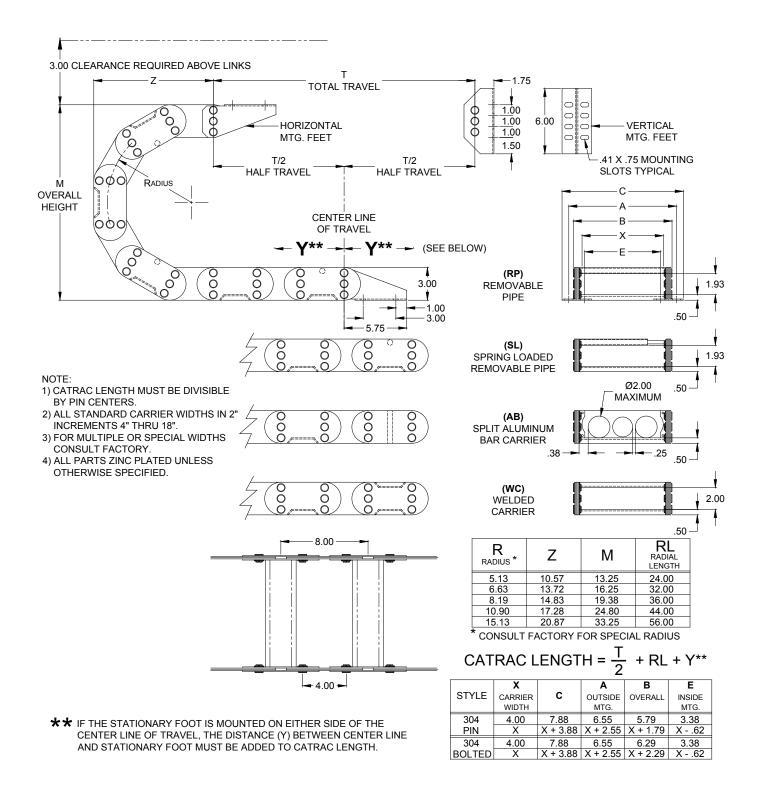
CATRAC[®] 203 Dimensions



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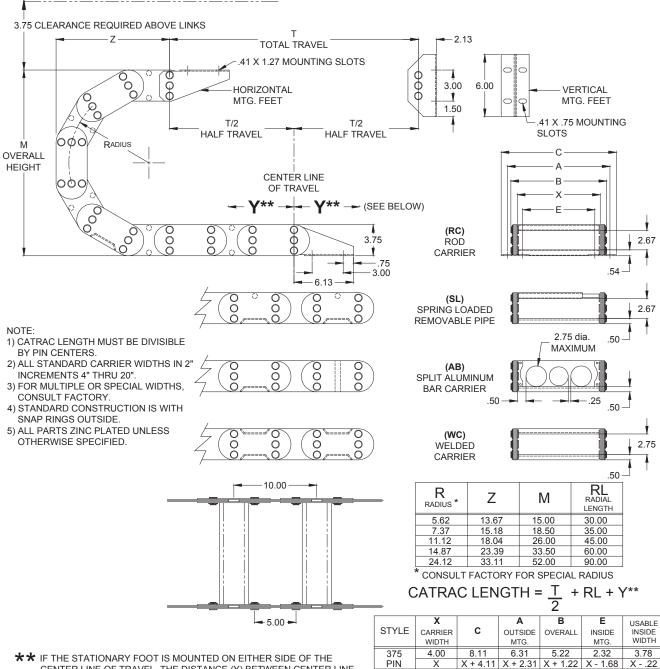
CATRAC[®] 304 Dimensions





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★★ IF THE STATIONARY FOOT IS MOUNTED ON EITHER SIDE OF THE CENTER LINE OF TRAVEL, THE DISTANCE (Y) BETWEEN CENTER LINE AND STATIONARY FOOT MUST BE ADDED TO CATRAC LENGTH.

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375

BOLTED

4.00

Х

8.11

6.31

X + 4.11 | X + 2.31 | X + 1.88 | X - 1.68

5.88

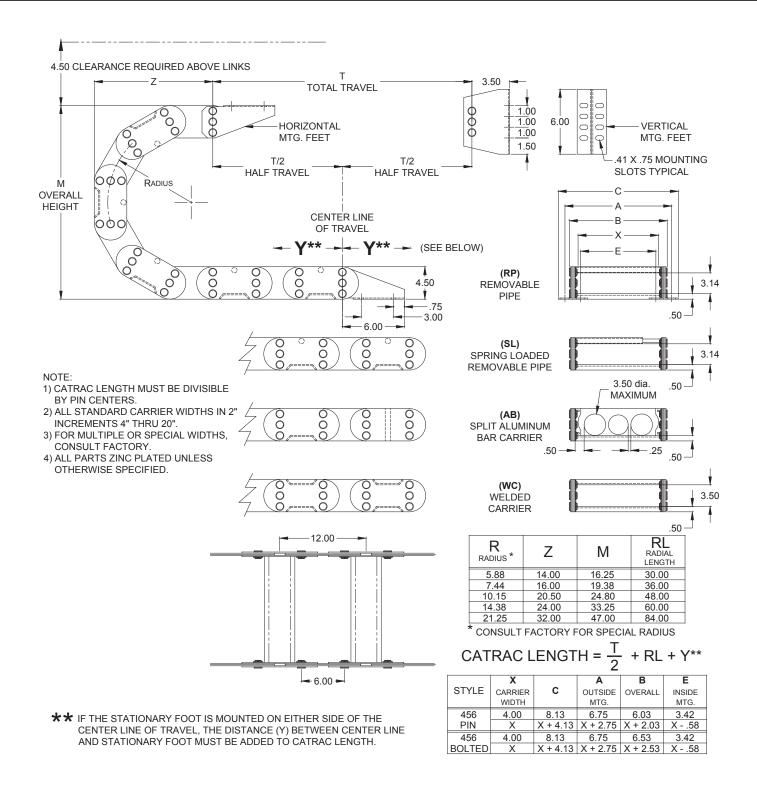
2.32

3.78

X - .22



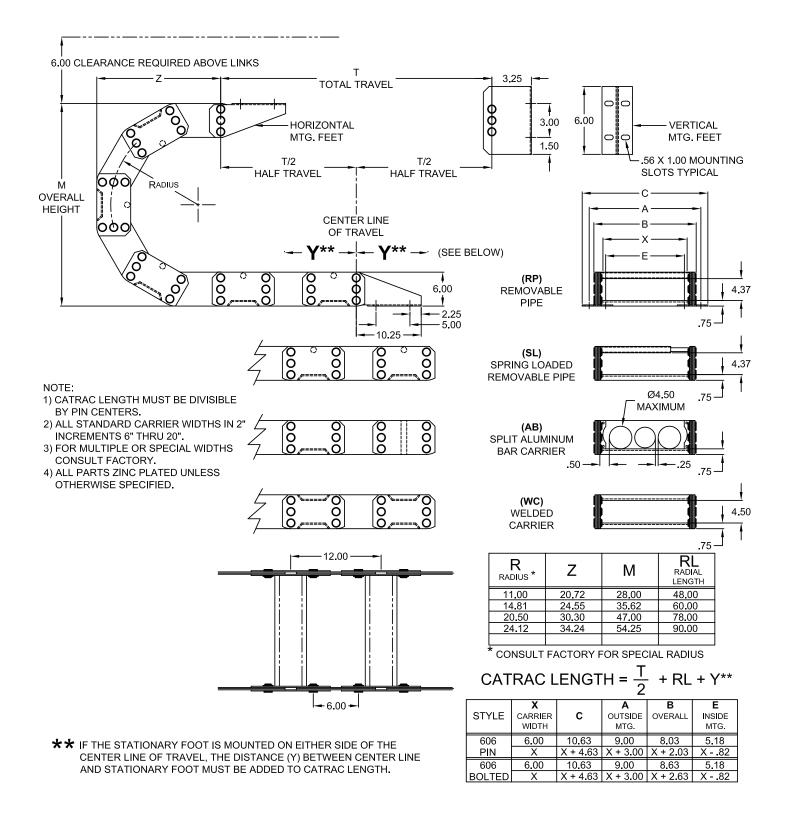
CATRAC[®] 456 Dimensions





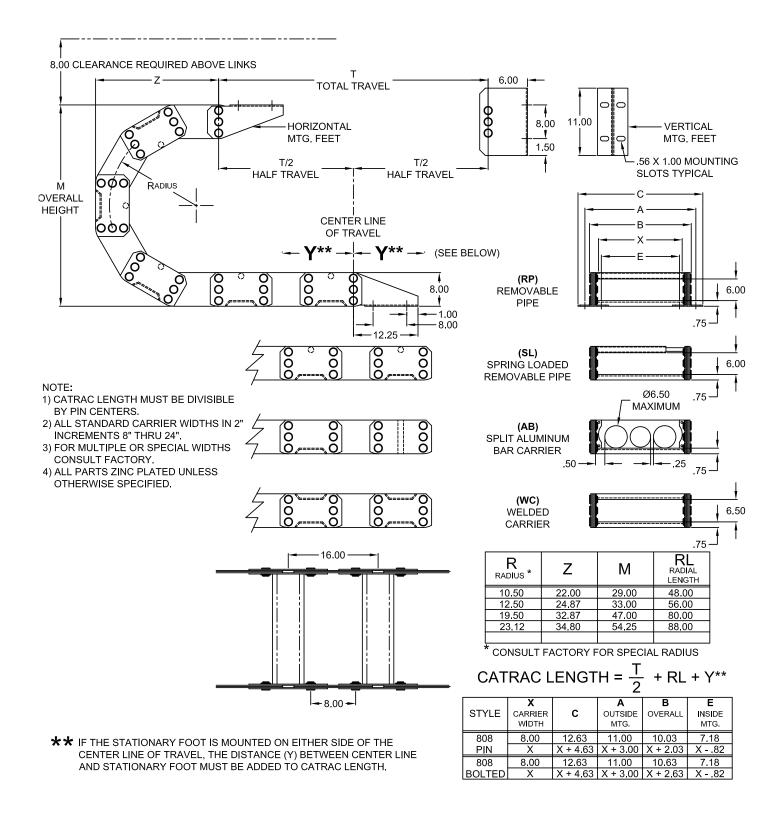
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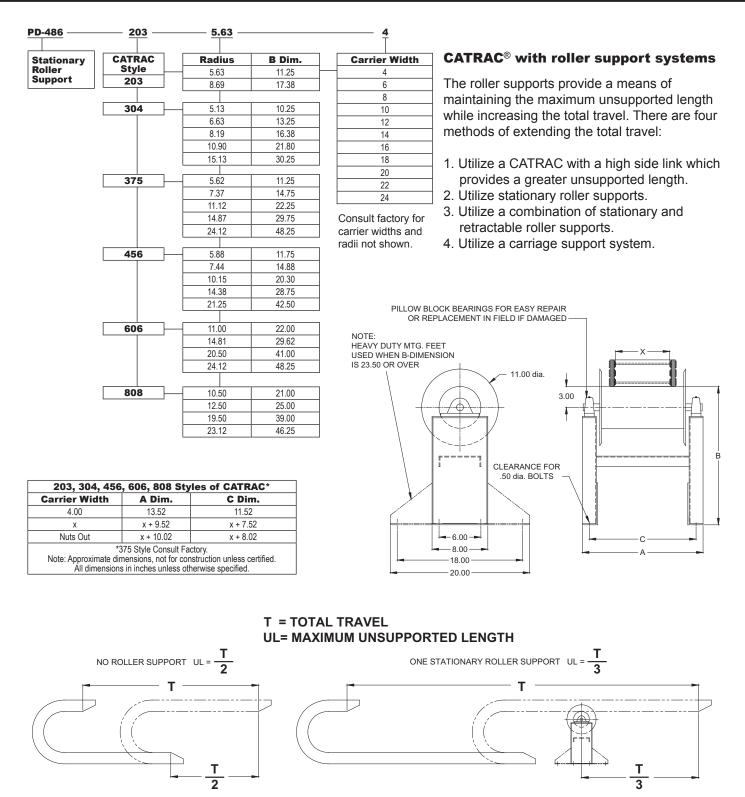




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Stationary Roller Part Number System



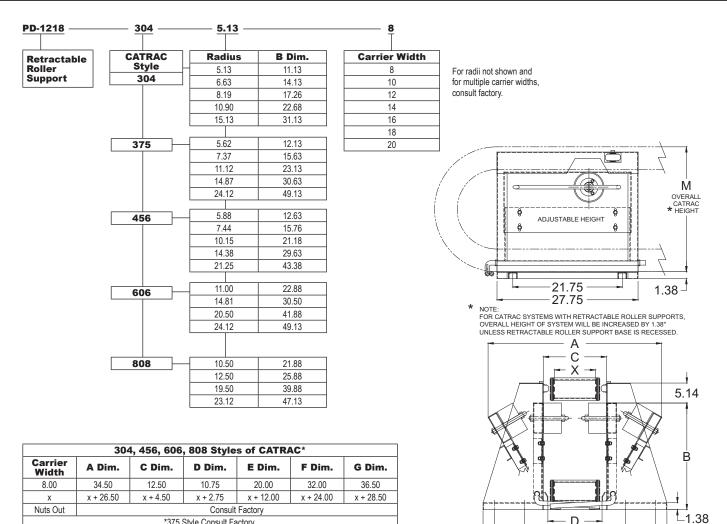
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Retractable Roller Part Number System

DE

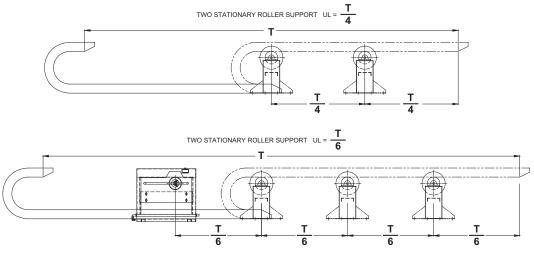
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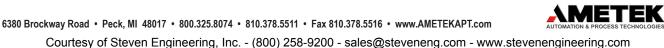


Consult 1 dotory
*375 Style Consult Factory.
Note: Approximate dimensions, not for construction unless certified.

All dimensions in inches unless otherwise specified

T = TOTAL TRAVEL UL = MAXIMUM UNSUPPORTED LENGTH



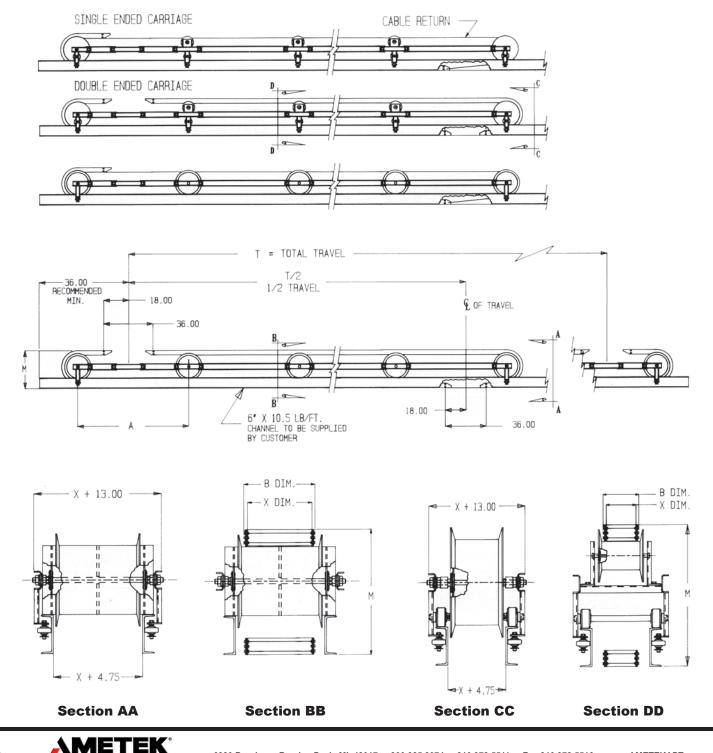




CATRAC[®] Carriage Support System

Carriage Support Systems

Carriage support systems are used when cable/hose loads and travel exceed the limits available with fixed roller supports and designed for applications requiring long travels, high speeds, quick accelerations and constant cycling. These systems are normally used in conjunction with 304 and 456 CATRAC styles. Special Mill-Duty carriage support systems are available for extreme environments. Some of the varieties available are shown on this page. Call our application engineers for more information at 800.325.8074.



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CATRAC® Applications

CATRAC® Applications

Primary Metals

Tundish Cars Ladle Cars Torch Cut Off Machines Slab Markers Mud Gun Ladle Lance Pickling Line Strip Mills Furnaces "Dummy" Bar Continuous Annealing Lines

Construction Machinery

Manlifts Aerial Lifts Utility Trucks Underground Boring

Milling/Drilling Machinery Drilling Machines Offshore Drilling Platforms

Rolling Mill Machinery

Coil Processing Equipment Slitting Line Roll Grinders Walking Beam

Machine Tool & Specialty

Equipment Lathes **Milling Machines** Routers Shearing Stamping Loaders/Extractors Flame Cutters Automatic Vehicle Wash Gantry Crane Part Shuttles Press Feeders High-Pressure Water Washdown Equipment Stackers/Reclaimers X-Ray Gauges

Packaging/Material Handling

Palletizers Wrappers Shuttles Rubber Tired Vehicles Factory Automation Automation Storage & Retrieval System

Other

Pulp/Paper Industry Lumber Industry

CATRAC Automotive Applications

Stamping Related

Coil Handling Equipment Die Transfer Carts Shuttles In Die Transfer Equipment Stacker & Destacker Equipment Stamping Press Heads

Assembly Plants

Radiator Fluid Filling Lines Brake Fluid Filling Lines Body Transfer Lines Welding Lines Chassis Assembly Lines

Raw Material

Loading/Unloading Cranes Stacker/Reclaimer Cranes

Steel Making

Ladle Lance Ladle Transfer Cars Tundish Cars Starter Bar Torch Cut-Off Machine Run Out Table Soaking Pit Transfer Car Scarfing Machine

Hot/Cold Strip Mills

Walking Beam Reheat Surface Coil Buggies X-Ray Machines Slitter Machines Back Up Roll Sleds Pay Off Reel Coil Upender Entry/Exit Cars



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Mining - Iron Ore - Coal -Limestone

Ore Beneficiation

Preparation Cleaning Belt Trippers Stackers Reclaimers Bedding Machines Trenchers

Shipping - Rail - Water - Raw Material Storage

Stackers Reclaimers Belt Trippers Car Dumpers

Integrated Steel Making Plants

Raw Material - Storage & Preparation

Stackers Reclaimers Belt Trippers Car Dumpers Trenchers

Sinter Plants

Belt Trippers Bedding Machine Trenching Machine Reclaimer

Coke Oven Batteries

Coal Preparation - Coke Storage Stackers

Reclaimers Belt Trippers Trenchers

Coke Battery Ovens - Coal Side

Lary Charge Cars Smoke Blow Pipe Cleaners Charge & Cover Machine Pushing Machine - Levelers

Coke Battery Ovens - Coke Side

Door Machine Smoke Suppressor Quench Cars Wharf Plows

Blast Furnaces

Taphole Drills Mud Guns Burden Distributor Car Sensing Lances

Steel Making Open Hearth

Charging Machine Ladle Transfer Cars Hot Metal (Molten Iron) Teeming Aisle (Molten Steel) Slag Pot Mold Preparation Vacuum & Dust Machine

Basic Oxygen Furnace (BOF)

Scrap Prep. Cutting Gantry Water Cooled Doors Removable Hood Section Belt Tripper - Flux Handling Refractory Gunning Machines Lance Carriage Horizontal Preheat Temperature Data Ladle Transfer Cars Hot Metal (Molten Iron) Teeming Aisle (Molten Steel) Slag Pot Argon Lance

Electric Furnace

Ladle Transfer Cars Furnace Tilt Teeming Aisle (Molten Steel) Cover Turn Charge Machines Argon Lance

Continuous Casting - Slab,

Steel Mill Applications

Boom, Billet Ladle Transfer Car Tundish Transfer Car Heat Shield Car Pouring Station Shroud Positioner Starting Bar Transfer Car Heat Shield Car Pouring Station Shroud Positioner Starter Bar Storage Rack Cut Off Machine Torch Machine Cutoff Torch Traverse Torch Edge Cutting Machine Upcut Shear Slab Sizing Mill - Roll Sleds Stamping Marking Machine Disappearing Stop Piler - Pusher

Slab, Blooming, Billet Mills - Shapers

Soaking Pit Transfer Cars Double Manipulator - Rolling Edge Guides Roll Sleds Scarfing Machine Supply Adjustable Heads Crop Shear Marking - Stamping Machine





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Steel Mill Applications

Hot Strip Mills Primary Rolling

Roll Sleds, Backup and Work Roll Vertical Scale Breaker Horizontal Scale Breaker Roughing Mills Finishing Mills Descale Systems Morgoil Lubrications Coilers Mandrel Carriage Stripper Cars X-Ray Machines **Finishing - Processing** Transfer Cars **Oil Buggies** Combo Line Skin Pass Line Slitters & Shears Coil Carrier Hook Walking Beam Coil Transfer **Auxiliaries** Transfer Cars Work Rolls Backup Rolls Bearing Extractor Car

Sheet Mills - Cold Rolling

Continuous Pickling Line Entry Coil Cars - Buggies Welders Tension Wheels - Exit Coil Cars Mandrel Carriages - Coilers **Belt Wrappers** Oilers Pay Off Reels Upender/Downender Tandem Cold Rolling Mills **Coil Transfer Cars** Entry Horn Car Quick Work Roll Change Car Backup Roll Sled Work Roll Turntable Sled Belt Wrapper Transfer Lift & Turn Coil Transfer Temper Mill - Single Stand - Duo Mill Coil Prep & Transfer Entry Coil Car Quick Work Roll Change Car Exit Transfer Car **Back Uproll Sleds** Auxiliary Cold Mill Equipment Dechocking Car - Roll Shop Lathes & Grinders - Roll Shop Slitter & Shear Process Lines Entry & Exit Coil Cars **Recoil Mandrel Carriage** Payoff Reels Belt Wrapper Transfer Coil Band & Strapping Upender/Downender **Continuous Anneal Lines** Exit & Entry Coil Cars X-Ray Machines Tension Reel Mandrel Carriages Coating & Plating Lines - Tin - AI - Chrome - Zinc Galvanize Vertical Spangle Unit Horizontal Steam Supply Zinc Hot Metal Pot Welding Machine Corrugating Lines Upender/Downender

Plate Mills

Roll Change Sleds Morgoil & Lube Systems X-Ray Gauge Descale Piping Side Shear & Edge Gauge End Gauge Leveler

Structural Mills - Rail Mills

Rolling Mill Sleds End Shear Straightener

Bar and Rod Mills

Roll Sleds End Shears Straightener Coiler Mandrel Carriage

Seamless and Butt Weld Pipe Mills

End Piercing Machine Billet Charging Machine

Roll Shops

Grinders Lathes Chock Extractors Roll Transfer Cars

Auxiliary Process Lines Tension Leveling Degreasing Paint Coating Shear Shot Blast Cut to Length **Slitting Line Continuous Paint Line** Galvanize Line **Edge Trim Line Grind & Polish** Anneal Embossing Side Trim **Chrome - TFS Tin Line**





CATRAC[®] MD for the Primary Metals Industry

This industry readily accepts only those products that are made exceptionally strong to the point of being "overbuilt". If the product doesn't look like it belongs in that environment, it doesn't.

Reliability is the Foremost Requirement

This industry knows no product that they can't destroy regularly, our mill-duty CATRACs are designed to be the most rugged assemblies available.

CATRAC is Stronger

All steel construction fabricated from 80,000 lb. tensile steel links, assembled with 9/16, 3/4 or 1" hardened shoulder bolts and locknuts, welded box beam carriers absorb side thrust loads, can be made to travel and span the longest distances in the industry.

Cable & Hose Replacement is Easy

The box beam carrier has free space that allows the bad cable or hose to be easily snaked out. The carrier bars can have spring loaded retaining rods, allowing the whole bundle of hoses to be removed and replaced at once.

CATRAC is Field Repairable

Because the CATRAC is all steel, it can be straightened or welded in position. It can be easily unbolted to replace carriers and links.

CATRAC Value

The competitively priced CATRAC offers more options for your dollar. Since 1967, CATRAC brand carriers have been solving customer problems. These years of experience have supplied us with an opportunity to provide solutions for numerous applications. This data allows us to incorporate new and better features into all CATRAC styles.



Available in Any and ALL Sizes

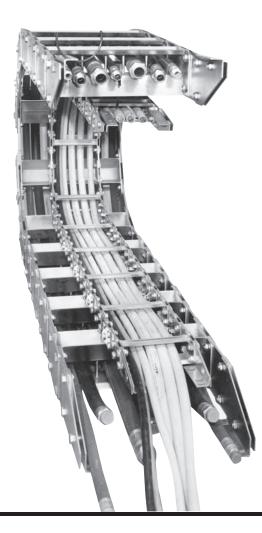
Made to any width or radius with more hose and cable carrying capacity in a box beam carrier, it can handle 8" I.D. hose or 12" O.D. cable. We also offer multiple widths and double deck carrier assemblies.

Retrofit into Present Track Systems

CATRAC is the only known track that can be easily and regularly made to retrofit into competitors original applications. We need only four dimensions to build CATRAC:

Track Height - "M" Track Height - "B" Track Height - "TL" Hose & Cable Clearance - "HC"

We'll deliver a stronger system quicker, and at a minimum cost.



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CATRAC[®] Options

Chip Covers

Stainless steel chip covers protect hoses against damage from hot metal chips. The chip covers fit over the full length of the CATRAC[®] assembly, on either the top or bottom or both sides for maximum protection. The ends of the chip covers extend six inches beyond the ends of the CATRAC assembly for attachment. Chip covers should be fastened on either end to allow them to roll with the CATRAC. When ordering, specify either outside or inside covers or both.



Heavy Duty Mounting Feet

Heavy Duty horizontal and vertical mounting feet are made from 3/16" or 1/4" plate steel and provide the ultimate in strength at the mounting point. Typical applications include mill duty equipment and high speed applications. Custom designs are also available upon request.

Glide Bars and Transfer Bar for Side Mounted Applications

We offer a wide range of options for side mounted applications including Nylatron glide bars, round pads and steel or stainless steel ball casters. We can side mount virtually any style of CATRAC. Dual radius CATRACS are also available for rotary applications.

Transfer Balls Alternated for Stability

Multiple Carrier Widths

All styles of 3 Pin Center Pivot CATRAC are available in multiple widths. This type of construction provides additional strength in wide systems. When width is a problem double decking of compartments is also available.





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Available in a Variety of Sizes

SnapTrac[®] was developed to offer a light weight, low cost carrier for protected and controlled movement of cables and hoses. This corrosion resistant, nonconductive carrier is made of a longwearing nylon composition. SnapTrac can be used with electric, air, gas or hydraulic hoses.

A variety of carriers are available offering solutions for every type of travel. Typical applications for this carrier include robotics, machine tools, and all types of industrial equipment. Our application engineers are at your disposal to study and solve problems related to complex applications.



Technical Characteristics

Light and secure even at high speeds, SnapTrac carriers will provide protection for the components inside the carrier. The carrier is durable against harsh corrosive environments as found in refineries and marine application, chemical fumes, refrigeration fluids, lubricating oils and solvent present in a temperature range from -13°F to 257°F.

Choosing a Carrier

The designer must consider the travel length of the carrier and the minimum bending radii of the hoses to be carried. The additional load per foot must also be considered.

Layout of Cable in Carrier

Observe the allowable minimum bending radii of the cables and hoses to be carried; it is advisable to add an additional 10%. Cables of small diameter may be grouped together and tied.

Options

- Enclosed Designs
- Vertical Separator
- Horizontal Separator
- Vertical/Horizontal Separators
- Drilled Frames



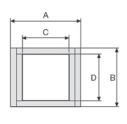




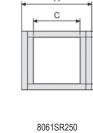
Light SnapTrac

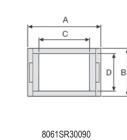
Light series SnapTrac with small to medium sections for applications where high filling weight is not required.

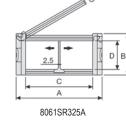
Light SnapTrac							
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm		
8061SR200	18-41	15	12-35	12	18-40		
8061SR250	23	22	15	18	40		
8061SR30090	29-49	23.5	18-38	18.5	33-100		
8061SR325A	57-120	37	40-103	25.5	50-150		
8061SR325	55-118	37	40-103	25.5	50-150		



8061SR200







8061SR325



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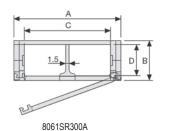


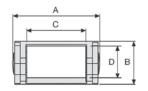
Medium SnapTrac

Small to medium size SnapTrac with yellow connecting pivot pins offer high capacity in high performace applications. Available with snap open cover or closed styles.

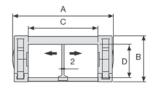
	Medium SnapTrac						
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm		
8061SR300A	27-87	23	15-75	18	40-120		
8061SR300	30-52	23	14-36	18	40-120		
8061SR305A	54-74	30	30-50	24	50-150		
8061SR305	52-72	30	30-50	20	50-150		
8061SR355A	74-124	43	45-95	31	75-200		
8061SR355	74-124	45	45-95	30	75-200		
8061SR400	62-82	35	40-60	25	50-150		
8061SR435MI/ME	60-170	49	40-150	35	60-170		
8061SR445MI/ME	72-384	64	50-362	45	75-300		
8061SR660A	75-387	55	50-362	37	100-250		
8061SR770A	80-392	78	45-357	60	150-300		
8061SR475MI/ME	112-412	100.5	74-374	75.5	150-400		







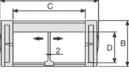
8061SR300



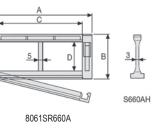


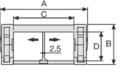
С

8061SR445MI/ME



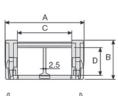
8061SR355



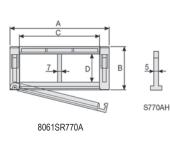


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8061SR305A

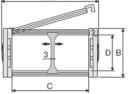


8061SR400

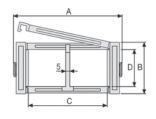


A

8061SR305



8061SR435MI/ME



8061SR475MI/ME



DB

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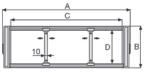
Heavy SnapTrac

n

A strong design with triple connecting pivot pins. This design allows unsupported length up to 6.5 m and extends the service life of the SnapTrac and cables.

Heavy SnapTrac							
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm		
8061SR308SI/SE	82-394	75	38-350	57	150-400		
8061SR309SI/SE	120-420	100	64-364	75.5	200-500		
8061SR310T	260-660	150	200-600	112	200-750		





8061SR310T

S309SH

Protection SnapTrac

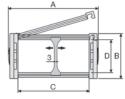
8061SR308SI/SE

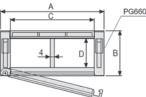
A completely enclosed design prevents contact between cables, chips or dust. Each link has a quickly removable cover for easy installation of the cables and hoses.

S308SH

Protection SnapTrac						
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm	
8061SR435PI/PE	60-170	49	40-150	35	75-200	
8061SR660	79-179	55	50-150	36	100-250	
8061SR445PI/PE	72-384	64	50-362	45	100-300	
8061SR770	120-285	78	85-250	51	150-300	
8061SR309C	256-456	100	200-400	72	200-500	
8061SR475PI/PE	112-412	100.5	74-374	75.5	180-400	







8061SR309SI/SE

8061SR435PI/PE

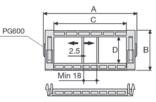
8061SR770

PG770

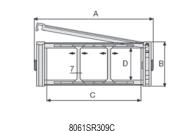
PG700

8061SR660

Min 18

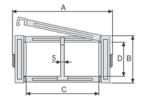


8061SR660



8061SR445PI/PE

DB



8061SR475PI/PE



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8061SR770

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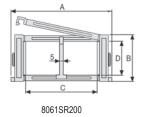


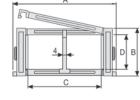
Sliding SnapTrac

Sliding SnapTrac is made to be used where travel distance is long. The links are equipped with skids, allowing the trac to slide on itself. It is made of special polymers to reduce friction and wear.

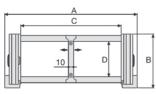
Sliding SnapTrac					
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm
8061SR326SI/SE	106-418	59	61-373	37	107-300
8061SR328SI/SE	119-431	79	61-373	57	150-400
8061SR319B	164-464	107	100-400	70	200-500







8061SR250

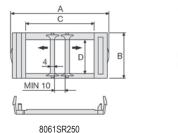


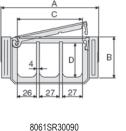
8061SR30090

Robot SnapTrac

SnapTrac offers an innovative solution for circular applications like welding and painting robots by allowing rotation of over 360°. Available in 9 different models, each link has an opening cross piece to allow easy installation of cables and hoses.

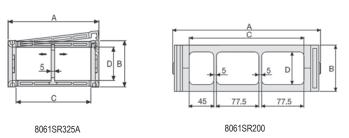
Robot SnapTrac							
Series	A External Width mm	B External Height mm	C Inner Width mm	D Inner Height mm	R Bending Radius mm		
8061SR495	69	45	45	35	100		
8061SR500	93	43	65	30	100-150		
8061SR510TN	132	55	88	46	125		
8061SR515TN	132	55	88	46	175		
8061SR545	123	62	100	46	100		
8061SR599	272	85	210	59	220		







8061SR200



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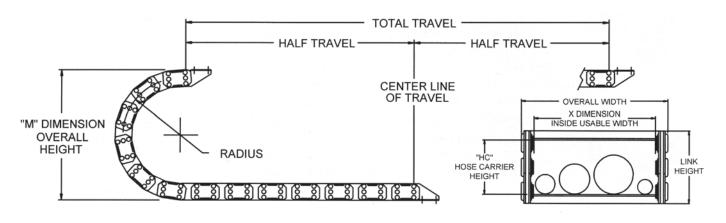
Please fill in completely and accurately and fax to the CATRAC Sales Department @ (810) 378-5516.

Development Sheet

Customer Information					
Contact Name		Fax			
Company		Email			
Phone		Date			

Machine / Environment Specifications					
Machine Type or Name					
Machine Total Travel Distance					
Direction / Orientation of Travel	□ Horizontal □ Vertical □ Side Running □ Other If other, please provide sketch.				
Fixed End Mounting Location	Center (Of total machine travel) Conter (Distance from center)				
Mounting Bracket Position Inward Outward Both Other					
Operating Speed (ft/sec)	$\Box \le 5$ ft/sec $\Box \le 10$ ft/sec $\Box \le 15$ ft/sec $\Box \ge 15$ ft/sec				
cceleration (ft/sec) $\Box \le 5 \text{ ft/sec}^2 \Box \le 10 \text{ ft/sec}^2 \Box \ge 15 \text{ ft/sec}^2$					
Environmental Data	rironmental Data Dindoor Dutdoor Wet* Dry Corrosive Abrasive Humidity* Chemical* Chips* Hot Metal Fluid Exposure*				
Operating Temperature	$\Box \le 40^{\circ} F (5^{\circ} C) \Box \le 150^{\circ} F (66^{\circ} C) \Box \le 250^{\circ} F (121^{\circ} C)$				
Dimensional Limitations	OAW = OAL = OAH = (Allow an additional 2 in. for operating clearance in OAH)				

Carrier Contents						
Critical information. Please include MFG cut sheets when possible.						
Note: If a bend radius is not provided, the customer agrees to using 8 to 10 times the cable or hose diameter as a factor.						
Cable / Hose Quantity	Outside Diameter	Weight Per Foot (Fluid filled on hoses)	Min. Bend Radius (MFG Specifications)			





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