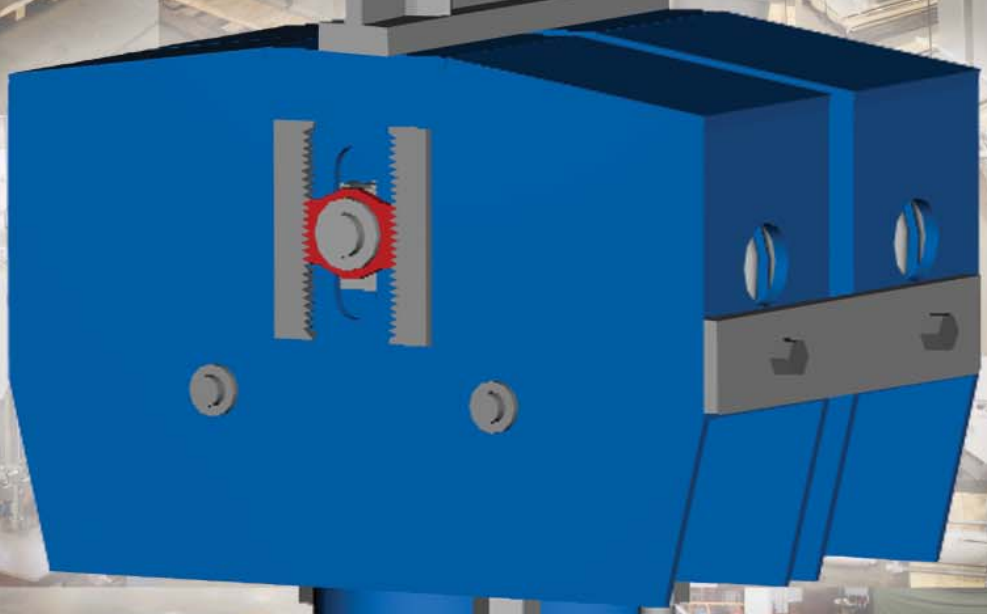
"All The Support You Need"

RILCO

Manufacturing Company, Inc.



2016 Catalog

Cam Roller™ Constant

12700 Tanner Road Houston, Texas USA 77041 Phone: (713) 466-4777 Fax: (713) 466-6547 www.rilco.com

Since 1972, Rilco Manufacturing Company Incorporated has been providing our discerning clients with custom fabricated pipe support systems, engineered and manufactured to the most exacting standards. A pioneer in the development of low and high temperature pipe supports, we offer a full range of products (listed below) and engineered systems used in a multitude of environmentally sensitive applications, from corrosion resistant to cryogenic systems for both industrial and commercial applications worldwide.

Rilco Support Includes:

Complete Engineering & Project Management:
Design and Detailing Using:
Pro-Engineer/3D Parametric Model Mathcad ACAD Visual Basic Gateway

Engineered Products:
Variable & Cam Roller™ Constant Hangers & Supports Sway Struts
Mechanical & Hydraulic Shock Arrestors (Snubbers)

Industrial & Commercial Pipe Hanger & Support Hardware

Cold and Hot Service Pipe Supports:
Pre-Insulated Pipe Shoes, Anchors & Guides
CryoWrap™ & PyroWrap™ Pre-Insulated Pipe Shoes
Isolation Blocks
Permali Block
Calcium Silicate Insulation
Micarta™ Blocks, Sleeves, and Washers
Polyurethane Foam of 6 lb, 8 lb, 10 lb, 20 lb & 30 lb Density
Marinite™
FOAMGLAS® Insulation

Fabric Expansion Joints:
Insulcon Fabric Compensators and Multi-Bellows

Fabricated Pipe Supports:
Non-Insulated Pipe Shoes, Anchor and Guides Stanchions (Rigid or Adjustable) Adjustable Pipe Supports
Structural Pipe Supports Manufactured to Your Specifications

Slide Plates:
Teflon® Stainless Steel Graphite

Embeds Instrument Stands Hold Down Clamps

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:	Initial certification date:	Valid:
CERT-06335-2004-AQ-HOU-ANAB	09 January 2004	16 March 2019 - 16 March 2022

This is to certify that the management system of

Rilco Manufacturing Co., Inc.

12700 Tanner Road, Houston, TX, 77041, USA
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:
The Design and Manufacture of Insulated Pipe Supports, Steel Fabrication and Spring Hangers.

Place and date:
Katy, TX, 29 January 2019

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

For the issuing office:
DNV GL – Business Assurance
1400 Ravello Drive, Katy, TX, 77449-5164, USA

John Stefan
Management Representative

PIPE HANGERS

The present line of Rilco pipe hangers and supports are the result of over fourty-five years experience in the industrial piping field. Our large, complete line includes pipe hangers or supports of American manufacture for any suspension needs encountered in pipe installation work.

Maximum recommended load ratings for hangers have been established through testing by the Rilco Research and Development Department and are based on the allowable stresses specified in the ANSI/ASME B31.1 & B31.3 code for Pressure Piping; the Manufacturers Standardization Society Standard Practice SP-58, 69 & 89; applicable ASTM codes or Rilco design standards, as requested or applicable.

Should some detail of construction or piping arrangement make it necessary to deviate from our standard hangers or supports, Rilco, through our superior design team and our state of the art manufacturing facilities, is equipped to furnish hangers and supports to meet your most stringent requirements. We are continually monitoring our projects and collaborating with engineers in the preparation of specifications for hanger requirements and the interpretation of applicable piping codes.

Rilco is recognized worldwide as a leader in the arena of pipe hangers and supports because of our exacting standards of research, design, engineering, and manufacturing that go into the production of all of our products. All Rilco products are manufactured in accordance with approved ISO 9001:2008 quality programs.

WARNING

ALL products included in this catalog are intended for installation and service only as described or specified herein.

Rilco cannot be held responsible for injuries to persons or property damage caused by misapplication or improper use of any products in its catalogs used in ways or for purposes other than for which said products have been designed and manufactured. Some examples of misuse are: use of hanger products as erection tools; use of beam clamps on beams for which they were not specified; use of concrete inserts as anchors for pulling pipe to proper elevation and suspension of one clevis hanger under another, resulting in a cumulative load greater than the specified support capability.

Rilco products are carefully designed and manufactured in accordance with the approvals and/or codes referenced above. Care should be exercised by installers and end users to install, use and maintain these products properly to avoid any possible on-the-job accidents.

All designed products are subject to change without notice.

CAM ROLLER

Rilco Cam Roller Constant™ Hangers

Since 1972 Rilco Manufacturing Company has dedicated their business to designing and fabricating a myriad of products which support piping systems throughout a wide range of operating temperatures and environmental conditions. Rilco realized that a full spectrum of pipe supports and related components was needed to be able to offer “one-stop shopping” for engineering and design firms, contractors, and end users. Hanger hardware, variable springs and standard constant support assemblies (see the Rilco Hardware, Variable Spring, and Constant Supports Catalog) were initially offered. Now, through years of research and development, we are able to offer to our customers our latest product, the Rilco Cam Roller™ constant. The design of the Rilco Cam Roller™ constant or “RCR” compensates for the vertical movement of a piping system at a performance level previously unattainable using a standard horizontal or vertical type constant.

Design Features:
RCR constants are fabricated utilizing a space saving, balanced design which utilizes standard Rilco hanger hardware. Site installation is enhanced via the use of the centered, single point connection. RCR constants transfer the load directly through the center of the body, eliminating the moment imposed on the supporting members typically seen with the use standard lever arm constants. The interpretation of the vertical displacement of the supported piping is made simpler through the use of a direct reading travel indicator.

Construction:
A rugged carbon steel housing encapsulates the springs and other moving parts of the unit. The center-mount feature of the unit allows for the support of the piping system directly above the support node point on the pipe. If required, optional mounting arrangements are available to tie into existing support lugs. Connecting threads are interchangeable with all standard hanger components. RCR units which consist of multiple units tied together for increased load capacity are supplied with a yoke plate at both the top and the bottom connection points.

Springs:
Springs are vital to the longevity, safety, and dependable operation of the Rilco Cam Roller™ constants. All springs conform to the rigid requirements of ASTM A229/A229M-99 (2005) Standard Specification for Steel Wire, Oil-Tempered for Mechanical Springs

Performance Range:
Rilco Cam Roller™ constants are available with a standard load capacity of 20 lbs (.09 kN) to 120000 lbs (534 kN) with standard travel ranges of 3″ (75mm) through 30″ (450mm). Loads and travels beyond those listed can also be accommodated. Contact the Rilco factory direct for more information.

Operational Function:
Rilco is proud to announce that the RCR constant support incorporates all of the necessary elements to create a near perfect constant:

1. Absolute load setting reliability

2. Minimal component friction

3. Reliable indicators of travel and load

4. Precise adjustment of the unit should deviations be required

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The operation of the Rilco Cam Roller™ constant is based in the interaction of force between the main spring load and the forces provided by two interconnected opposing springs. The opposing springs acting in conjunction with the main spring enables achievement of absolute load setting reliability.

Loads subjected to the main spring, which is connected through the load column, activates the opposing springs, thus activating a system of specially engineered cams, rollers and pins which in turn also exert force on the main spring. As loads are transported over the travel range of the piping, the forces on the main spring and opposing springs change based upon the angle created by the specific shape of the cams, and the design characteristics of the spring.

As loading is applied and the travel moves downward towards the apex of the cams, the opposing spring load is minimized in direct proportion to loading on the main spring. Upon reaching the apex, the opposing force is zero, as the main spring is carrying the load without assistance, traversing past the apex, in a downward motion, the direction of the compensating springs begin to reverse thereby reducing the load on the main spring as well. The constant support is achieved as a result of the alignment of these components so that any deviations in the load are matched exactly with the loading on the main spring.

Loading Adjustments:
Due to load deviations or revised process criteria, occasionally adjustments to the Rilco Cam Roller™ constant may become necessary. As a result of our research and engineering attention to detail, Rilco has designed into the RCR a feature which ensures precise adjustments. Because the characteristic curves of the interconnected opposing springs and the main spring are exactly alike, only vertical deviation of the loading occurs, therefore an adjustment to the main spring is all that is necessary. The force deviation accomplished by adjusting the main spring pre-tension has the identical effect at each point in the movement cycle thus the ultimate load will remain constant at each adjustment. Travel distances will change proportionally in response to the load revisions.

QUALITY CONTROL

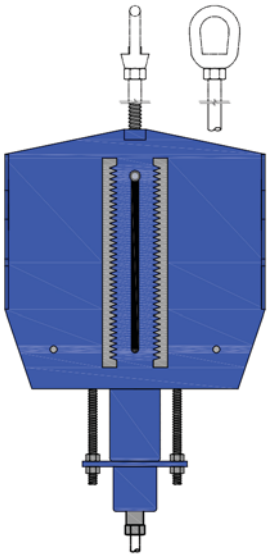
Prior to shipment every Rilco Cam Roller™ constant is tested for operational ability and proper setting in accordance with customer specifications and Rilco's quality control standards. These test results are available upon written request.

Normal load settings are preset and permanently marked on the travel scale in white (cold) and red (hot). Additionally, load settings are stamped onto a stainless steel identification plate which is permanently affixed to each RCR unit as well as indelibly marked on the load scale.

The travel scale is identified in both inches and millimeters while the load settings can be read in pounds (lbs.) and kilonewtons (kN) if required.

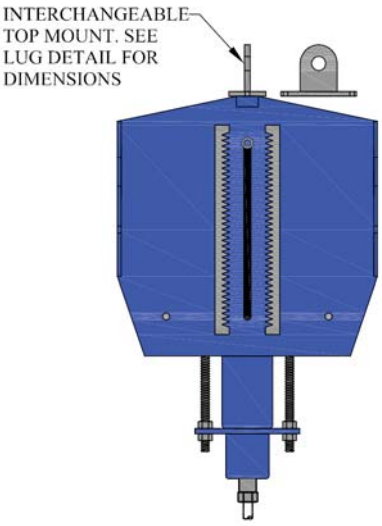
Benefit Points of Components

1. Stainless steel pins
2. Galvanized cases
3. Custom powder coated components
4. Special coating to reduce friction and wear
5. Precise adjustments to load requirements



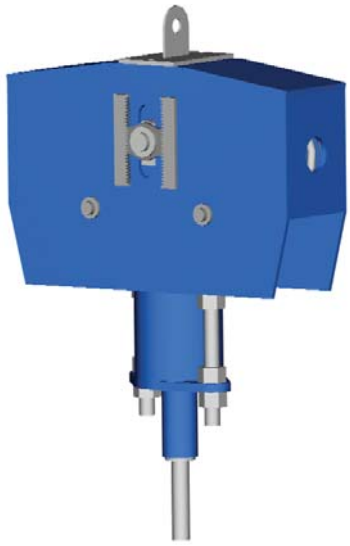
A-TYPE-HANGER

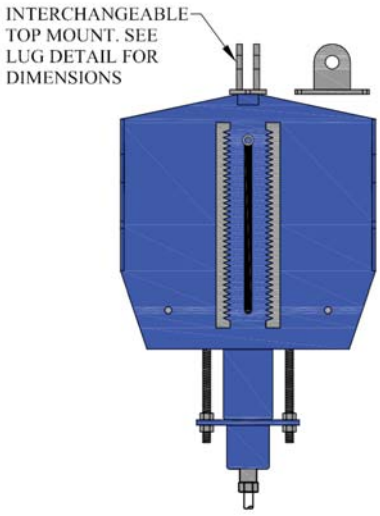
Type A uses a female thread in the top of the assembly which can receive a fully or partially threaded rod or a bolt. The lower attachment point consists of a turnbuckle with right hand threads for the hanger rod connection. The thread diameters for both the top and the bottom connections will be driven by the size of constant selected. This design does not require any intermediate attachments, other than the threaded rod, prior to installation. Type As are available only as single unit assemblies.



B-TYPE-SINGLE LUG

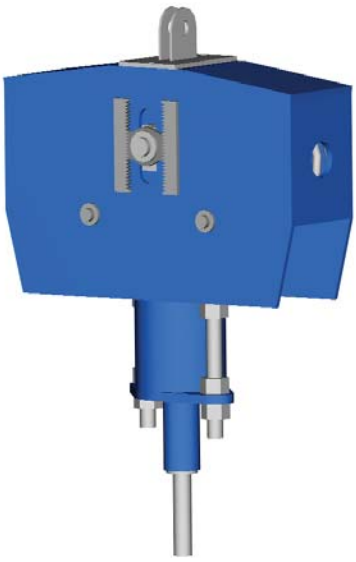
Type B is defined by a single lug top mount which is bolted to the RCR assembly. This type of arrangement is typically used in situations which require the constant assembly to be close mounted to supporting structure, or in retro-fit applications. The top single lug typically works in conjunction with a clevis or a welded beam attachment. The lower attachment point consists of a turnbuckle with right hand threads for the hanger rod connection for single unit assemblies. Multiple unit assemblies use a single common lug for both the top and bottom connections. They can use the same connection arrangement on the top as the single unit assemblies, but require a clevis or a double lug arrangement for the lower connection. The hanger rod diameters for both the top and the bottom connections will be driven by the size of constant selected. (single unit assembly shown)

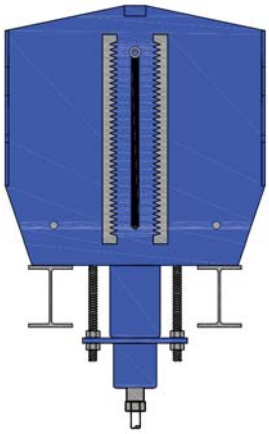




C-TYPE-DOUBLE LUG

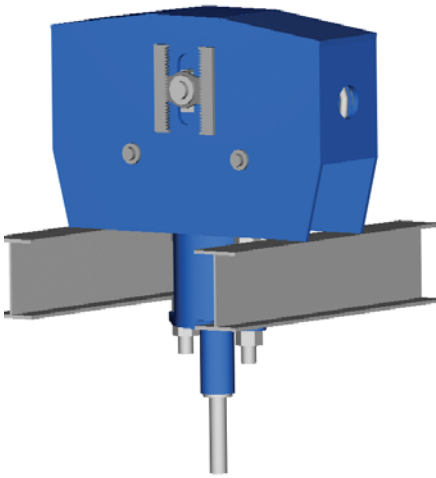
Type C is defined by a double lug top mount which is bolted to the RCR assembly. This type of arrangement is typically used in situations which require the constant assembly to be close mounted to supporting structure, or in retro-fit applications. The top double lug typically works in conjunction with a structural welding lug or existing attachment plate. The lower attachment point consists of a turnbuckle with right hand threads for the hanger rod connection. The hanger rod diameters for both the top and the bottom connections will be driven by the size of constant selected. Type Cs are available only as single unit assemblies.

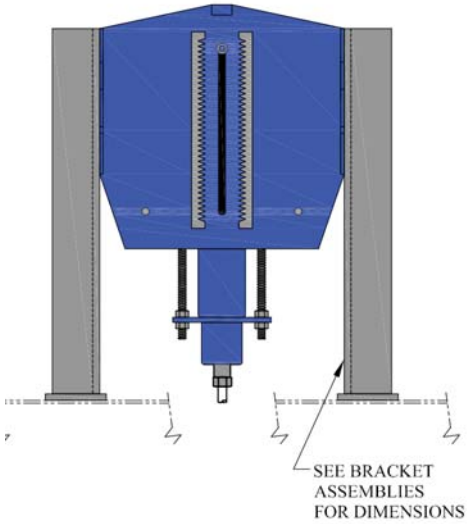




D-TYPE-BASE SUPPORT

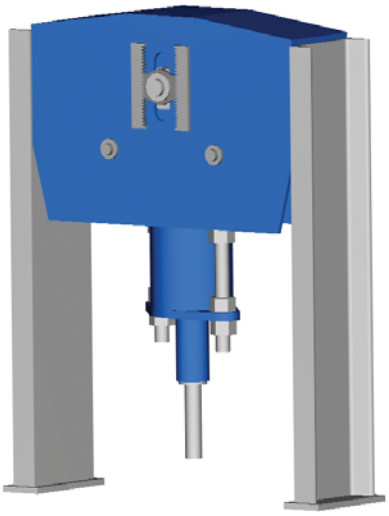
Type D is a resting type which uses existing structure to directly support the RCR assembly. This arrangement is most often used when little or no space exists below the support structure. This type of constant has no top mount connection, but instead relies on the side brackets for support and transfer of force to the support structure. The lower attachment point consists of a turnbuckle with right hand threads for the hanger rod connection for single unit assemblies. Multiple unit assemblies use a single common lug for the bottom connection. They require a clevis or a double lug arrangement for the lower connection. The hanger rod diameter for the bottom connection will be driven by the size of constant selected. (single unit assembly shown)

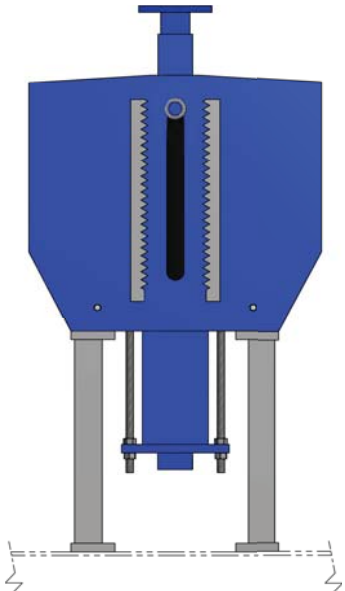




E-TYPE-SIDE CHANNEL

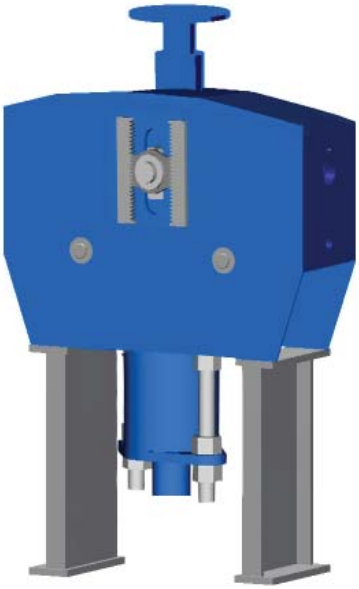
Type E is a resting type which uses existing structure to directly support the RCR assembly. This arrangement is most often used when little or no space exists below the support structure. This type of constant has no top mount connection, but instead relies on existing structure for support. The lower attachment point consists of a turnbuckle with right hand threads for the hanger rod connection for single unit assemblies. Multiple unit assemblies also utilize the auxiliary side brackets, but use a single common lug for the bottom connection. They require a clevis or a double lug arrangement for the lower connection. The hanger rod diameter for the bottom connection will be driven by the size of constant selected. (single unit assembly shown)

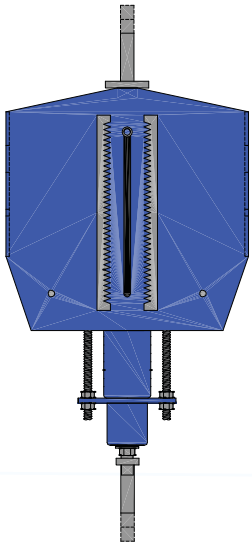


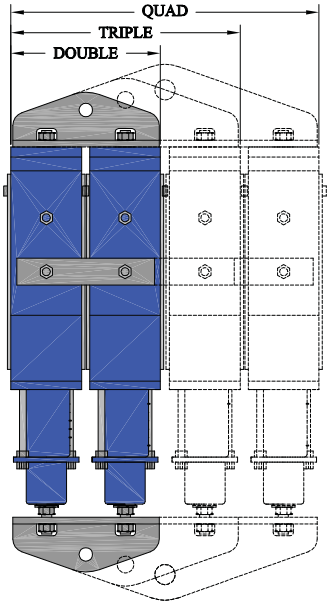


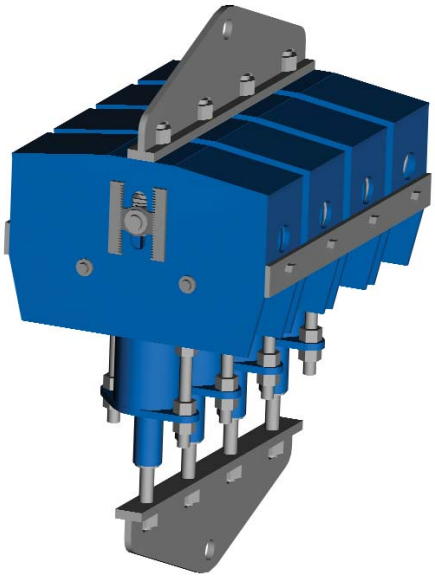
F-TYPE-UPTHRUST

Upthrust type uses two attached stand-offs to support the RCR assembly with a load column and pad protruding through the top. This arrangement is used when supporting lines or vessels from below. The stand-offs are typically attached to either structural steel or concrete. These offer the same performance and adjustability the other RCR assemblies offer.

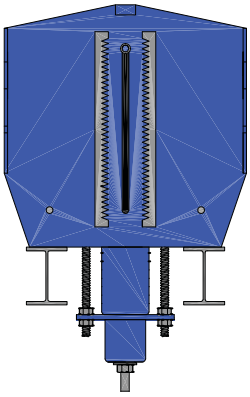


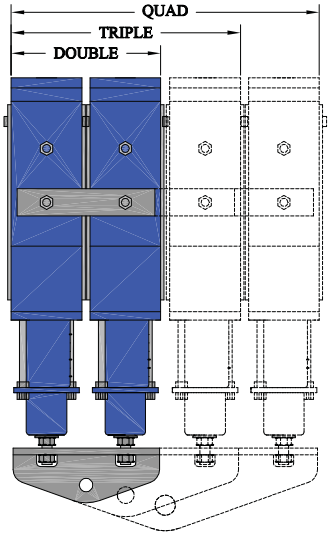


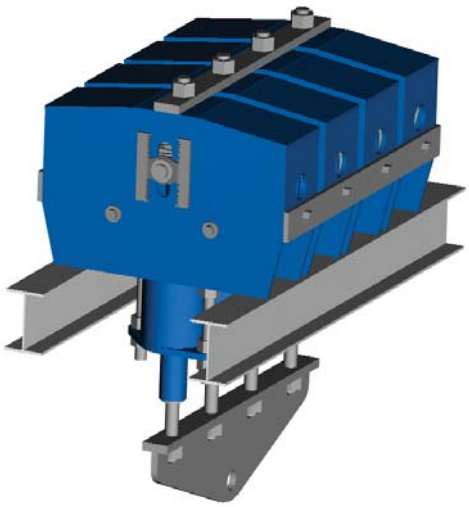




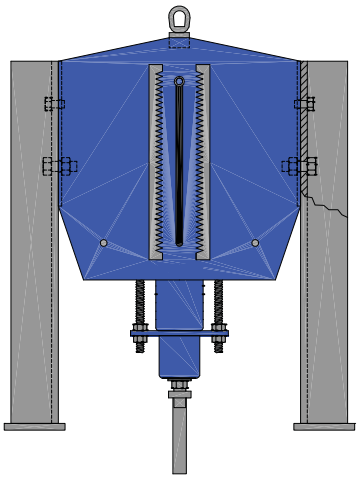
TYPE B MULTIPLE ARRANGEMENT

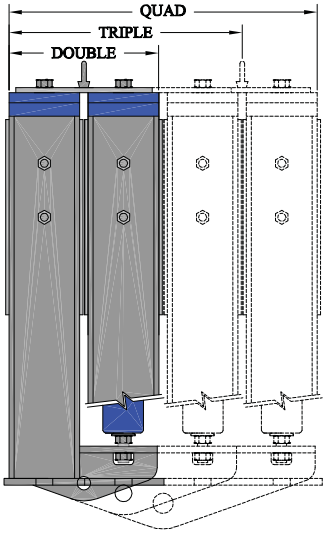


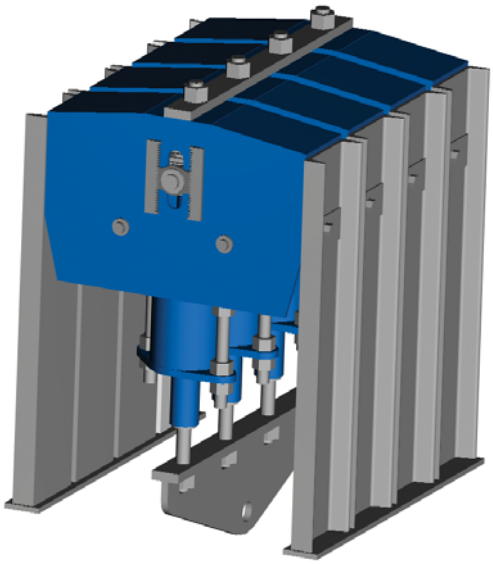




TYPE D MULTIPLE ARRANGEMENT







TYPE E MULTIPLE ARRANGEMENT

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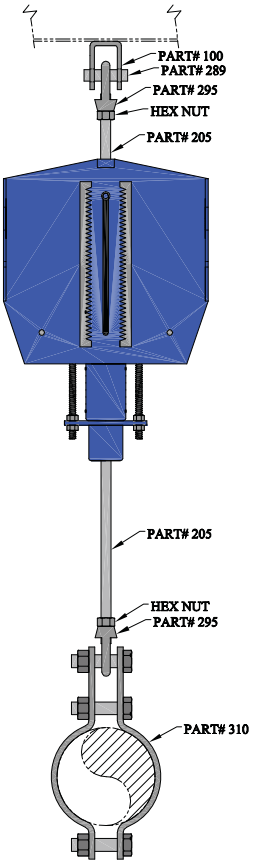
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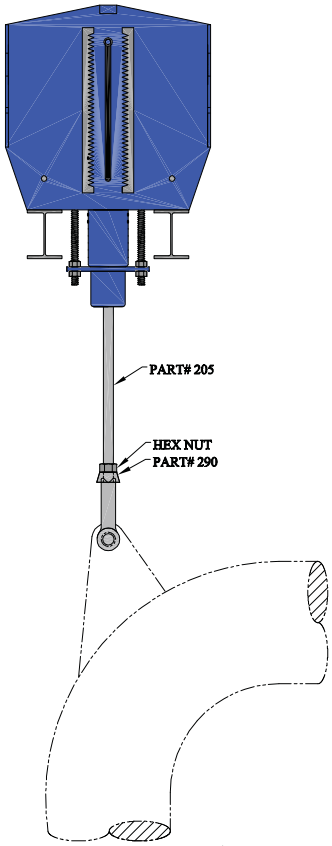
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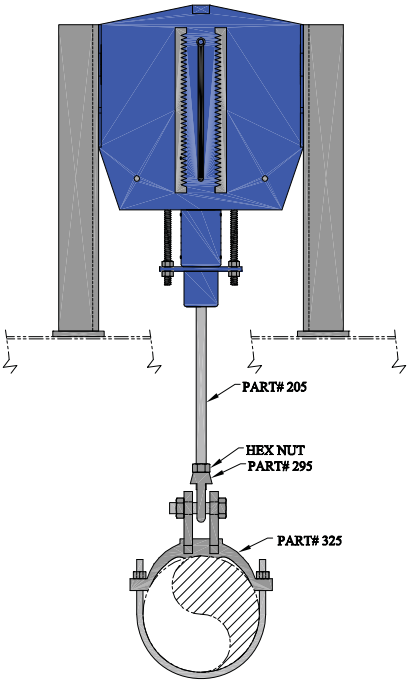
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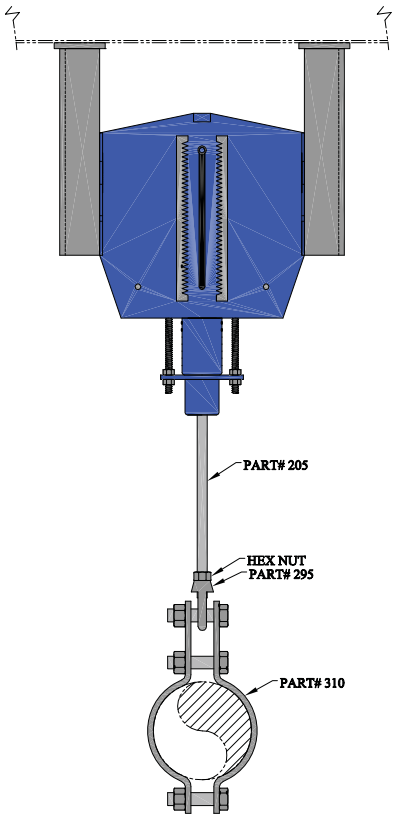
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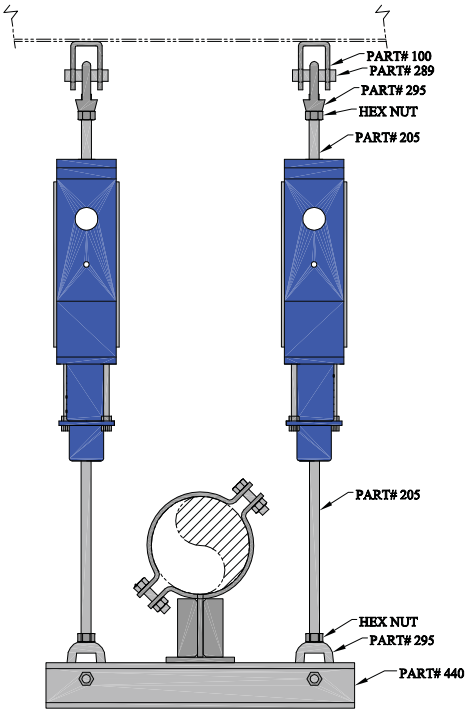
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PART# 440

U.S. Customary Units

Rilco Cam Roller Constant Size Quick Reference Chart

Load (lb) (Note 1)	Travel (in) (Note 2) 3	6	12	18
25	RCR 50-3 *(1/2)*	RCR 50-6 *(1/2)*		
38	RCR 50-3 *(1/2)*	RCR 50-6 *(1/2)*		
50	RCR 50-3 *(1/2)*	RCR 50-6 *(1/2)*		
75	RCR 125-3 *(1/2)*	RCR 125-6 *(1/2)*		
100	RCR 125-3 *(1/2)*	RCR 125-6 *(1/2)*	RCR 225-12 *(1/2)*	
125	RCR 125-3 *(1/2)*	RCR 125-6 *(1/2)*	RCR 225-12 *(1/2)*	RCR 175-18 *(1/2)*
175	RCR 275-3 *(1/2)*	RCR 275-6 *(1/2)*	RCR 225-12 *(1/2)*	RCR 175-18 *(1/2)*
225	RCR 275-3 *(1/2)*	RCR 275-6 *(1/2)*	RCR 225-12 *(1/2)*	RCR 400-18 *(1/2)*
275	RCR 275-3 *(1/2)*	RCR 275-6 *(1/2)*	RCR 275-12 *(1/2)*	RCR 400-18 *(1/2)*
325	RCR 550-3 *(1/2)*	RCR 550-6 *(1/2)*	RCR 400-12 *(1/2)*	RCR 400-18 *(1/2)*
400	RCR 550-3 *(1/2)*	RCR 550-6 *(1/2)*	RCR 400-12 *(1/2)*	RCR 800-18 *(1/2)*
475	RCR 550-3 *(1/2)*	RCR 550-6 *(1/2)*	RCR 550-12 *(1/2)*	RCR 800-18 *(1/2)*
550	RCR 550-3 *(1/2)*	RCR 550-6 *(1/2)*	RCR 550-12 *(1/2)*	RCR 800-18 *(1/2)*
625	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 900-12 *(1/2)*	RCR 800-18 *(1/2)*
700	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 900-12 *(1/2)*	RCR 800-18 *(1/2)*
800	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 900-12 *(1/2)*	RCR 800-18 *(1/2)*
900	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 900-12 *(1/2)*	RCR 1650-18 *(3/4)*
1000	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 1100-12 *(1/2)*	RCR 1650-18 *(3/4)*
1100	RCR 1100-3 *(1/2)*	RCR 1100-6 *(1/2)*	RCR 1100-12 *(1/2)*	RCR 1650-18 *(3/4)*
1200	RCR 2200-3 *(3/4)*	RCR 1200-6 *(3/4)*	RCR 1800-12 *(3/4)*	RCR 1650-18 *(3/4)*
1350	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 1800-12 *(3/4)*	RCR 1650-18 *(3/4)*
1500	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 1800-12 *(3/4)*	RCR 1650-18 *(3/4)*
1650	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 1800-12 *(3/4)*	RCR 1650-18 *(3/4)*
1800	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 1800-12 *(3/4)*	RCR 3250-18 *(1)*
2000	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 2200-12 *(3/4)*	RCR 3250-18 *(1)*
2200	RCR 2200-3 *(3/4)*	RCR 2200-6 *(3/4)*	RCR 2200-12 *(3/4)*	RCR 3250-18 *(1)*
2400	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 3250-18 *(1)*
2600	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 3250-18 *(1)*
2800	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 3250-18 *(1)*
3000	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 3250-18 *(1)*
3250	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 3250-18 *(1)*
3500	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 3500-12 *(1)*	RCR 5900-18 *(1-1/2)*
3750	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 4300-12 *(1)*	RCR 5900-18 *(1-1/2)*
4000	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 4300-12 *(1)*	RCR 5900-18 *(1-1/2)*
4300	RCR 4300-3 *(1)*	RCR 4300-6 *(1)*	RCR 4300-12 *(1)*	RCR 5900-18 *(1-1/2)*
4600	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 5900-18 *(1-1/2)*
4900	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 5900-18 *(1-1/2)*
5200	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 5900-18 *(1-1/2)*
5500	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 5900-18 *(1-1/2)*
5900	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 5900-18 *(1-1/2)*
6300	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 7500-18 *(1-1/2)*
6700	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 7500-18 *(1-1/2)*
7100	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 7100-12 *(1-1/2)*	RCR 7500-18 *(1-1/2)*
7500	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 8000-12 *(1-1/2)*	RCR 7500-18 *(1-1/2)*
8000	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 8000-12 *(1-1/2)*	RCR 9000-18 *(1-3/4)*

Note 1: For loads which fall between those shown, select the next highest

Note 2: For displacements which fall between those shown, select the next highest designs. Supports which fall outside the ranges given are readily available for manufacture. Please contact Rilco for more information.

Legend: RCR Load-Travel (Rod Diameter)

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Rilco Cam Roller Constant Size Quick Reference Chart

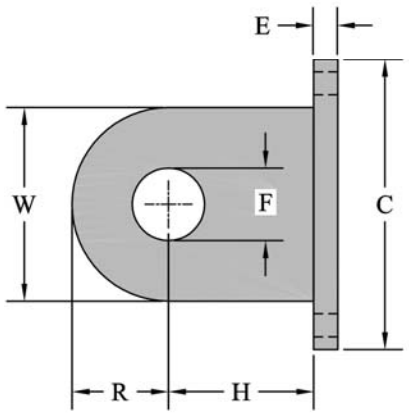
Load (lb) (Note 1)	Travel (in) (Note 2) 3	6	12	18
8500	RCR 8500-3 *(1-1/2)*	RCR 8500-6 *(1-1/2)*	RCR 8500-12 *(1-1/2)*	RCR 9000-18 *(1-3/4)*
9000	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 10600-12 *(1-3/4)*	RCR 9000-18 *(1-3/4)*
9500	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 10600-12 *(1-3/4)*	RCR 11200-18 *(1-3/4)*
10000	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 10600-12 *(1-3/4)*	RCR 11200-18 *(1-3/4)*
10600	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 10600-12 *(1-3/4)*	RCR 11200-18 *(1-3/4)*
11200	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 13000-12 *(1-3/4)*	RCR 11200-18 *(1-3/4)*
11800	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 13000-12 *(1-3/4)*	RCR 12400-18 *(2)*
12400	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 13000-12 *(1-3/4)*	RCR 12400-18 *(2)*
13000	RCR 13000-3 *(1-3/4)*	RCR 13000-6 *(1-3/4)*	RCR 13000-12 *(1-3/4)*	RCR 15100-18 *(2)*
13700	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 14400-12 *(2)*	RCR 15100-18 *(2)*
14400	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 14400-12 *(2)*	RCR 15100-18 *(2)*
15100	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 17300-12 *(2)*	RCR 15100-18 *(2)*
15800	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 17300-12 *(2)*	RCR 18900-18 *(2-1/4)*
16500	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 17300-12 *(2)*	RCR 18900-18 *(2-1/4)*
17300	RCR 17300-3 *(2)*	RCR 17300-6 *(2)*	RCR 17300-12 *(2)*	RCR 18900-18 *(2-1/4)*
18100	RCR 21500-3 *(2-1/4)*	RCR 21500-6 *(2-1/4)*	RCR 18100-12 *(2-1/4)*	RCR 18900-18 *(2-1/4)*
18900	RCR 21500-3 *(2-1/4)*	RCR 21500-6 *(2-1/4)*	RCR 21500-12 *(2-1/4)*	RCR 18900-18 *(2-1/4)*
19700	RCR 21500-3 *(2-1/4)*	RCR 21500-6 *(2-1/4)*	RCR 21500-12 *(2-1/4)*	RCR 24500-18 *(2-3/4)*
20500	RCR 21500-3 *(2-1/4)*	RCR 21500-6 *(2-1/4)*	RCR 21500-12 *(2-1/4)*	RCR 24500-18 *(2-3/4)*
21500	RCR 21500-3 *(2-1/4)*	RCR 21500-6 *(2-1/4)*	RCR 21500-12 *(2-1/4)*	RCR 24500-18 *(2-3/4)*
22500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 24500-18 *(2-3/4)*
23500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 24500-18 *(2-3/4)*
24500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 24500-18 *(2-3/4)*
25500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 30000-18 *(2-3/4)*
27000	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 30000-18 *(2-3/4)*
28500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 28500-12 *(2-3/4)*	RCR 30000-18 *(2-3/4)*
30000	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 35000-12 *(2-3/4)*	RCR 30000-18 *(2-3/4)*
31500	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 35000-12 *(2-3/4)*	RCR 37000-18 *(3)*
33000	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 35000-12 *(2-3/4)*	RCR 37000-18 *(3)*
35000	RCR 35000-3 *(2-3/4)*	RCR 35000-6 *(2-3/4)*	RCR 35000-12 *(2-3/4)*	RCR 37000-18 *(3)*
37000	RCR 43000-3 *(3)*	RCR 43000-6 *(3)*	RCR 43000-12 *(3)*	RCR 37000-18 *(3)*
39000	RCR 43000-3 *(3)*	RCR 43000-6 *(3)*	RCR 43000-12 *(3)*	RCR 46000-18 *(3-1/4)*
41000	RCR 43000-3 *(3)*	RCR 43000-6 *(3)*	RCR 43000-12 *(3)*	RCR 46000-18 *(3-1/4)*
43000	RCR 43000-3 *(3)*	RCR 43000-6 *(3)*	RCR 43000-12 *(3)*	RCR 46000-18 *(3-1/4)*
46000	RCR 52000-3 *(3-1/4)*	RCR 52000-6 *(3-1/4)*	RCR 46000-12 *(3-1/4)*	RCR 46000-18 *(3-1/4)*
49000	RCR 52000-3 *(3-1/4)*	RCR 52000-6 *(3-1/4)*	RCR 55000-12 *(3-1/2)*	RCR 58000-18 *(3-1/2)*
52000	RCR 52000-3 *(3-1/4)*	RCR 52000-6 *(3-1/4)*	RCR 55000-12 *(3-1/2)*	RCR 58000-18 *(3-1/2)*
55000	RCR 66000-3 *(3-1/2)*	RCR 66000-6 *(3-1/2)*	RCR 55000-12 *(3-1/2)*	RCR 58000-18 *(3-1/2)*
58000	RCR 66000-3 *(3-1/2)*	RCR 66000-6 *(3-1/2)*	RCR 66000-12 *(3-1/2)*	RCR 58000-18 *(3-1/2)*
62000	RCR 66000-3 *(3-1/2)*	RCR 66000-6 *(3-1/2)*	RCR 66000-12 *(3-1/2)*	RCR 62000-18 *(3-1/2)*
66000	RCR 66000-3 *(3-1/2)*	RCR 66000-6 *(3-1/2)*	RCR 66000-12 *(3-1/2)*	RCR 74000-18 *(4)*
70000	RCR 70000-3 *(3-1/2)*	RCR 70000-6 *(3-1/2)*	RCR 70000-12 *(4)*	RCR 74000-18 *(4)*
74000	RCR 88000-3 *(4)*	RCR 88000-6 *(4)*	RCR 88000-12 *(4)*	RCR 74000-18 *(4)*
78000	RCR 88000-3 *(4)*	RCR 88000-6 *(4)*	RCR 88000-12 *(4)*	
83000	RCR 88000-3 *(4)*	RCR 88000-6 *(4)*	RCR 88000-12 *(4)*	
88000	RCR 88000-3 *(4)*	RCR 88000-6 *(4)*	RCR 88000-12 *(4)*	

Note 1: For loads which fall between those shown, select the next highest

Note 2: For displacements which fall between those shown, select the next highest designs. Supports which fall outside the ranges given are readily available for manufacture. Please contact Rilco for more information.

Legend: RCR Load-Travel (Rod Diameter)

U.S. Customary Units



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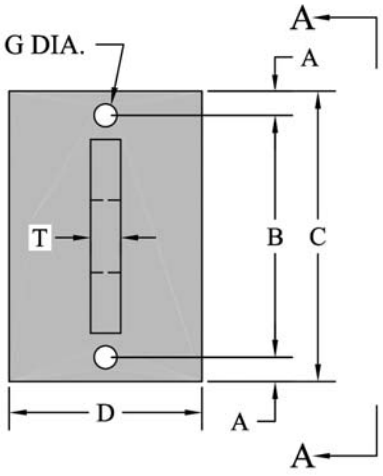
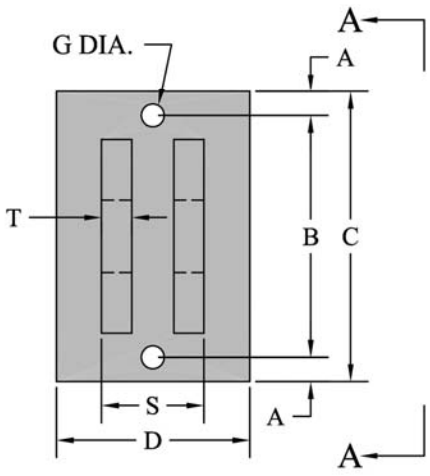


"B" TYPE LUG



"C" TYPE LUG

Rilco Cam Roller Constant Lug Dimensions (in)													
Size	**Hanger Rod Dia.**	**A**	**B**	**C**	**D**	**E**	**F**	**G Dia.**	**H**	**R**	**S**	**T**	**W**
RCR 50-3	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 50-6	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 125-3	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 125-6	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 175-18	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 225-12	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 275-3	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 275-6	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 275-12	1/2	.625	3	4.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	1.75
RCR 400-18	1/2	.8125	3.625	5.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	2
RCR 400-12	1/2	.8125	3.625	5.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	2
RCR 550-3	1/2	.8125	3.625	5.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	2
RCR 550-6	1/2	.8125	3.625	5.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	2
RCR 550-12	1/2	.8125	3.625	5.25	2.25	.375	.625	.5	1.5	1.25	1.25	.25	2
RCR 800-18	1/2	.6875	3.875	5.25	2.25	.375	.6875	.5	1.5	1.25	1.25	.25	2.5
RCR 900-12	1/2	.6875	3.875	5.25	2.25	.375	.6875	.5	1.5	1.25	1.25	.25	2.5
RCR 1100-3	1/2	.6875	3.875	5.25	2.25	.375	.6875	.5	1.5	1.25	1.25	.25	2.5
RCR 1100-6	1/2	.6875	3.875	5.25	2.25	.375	.6875	.5	1.5	1.25	1.25	.25	2.5
RCR 1100-12	1/2	.6875	3.875	5.25	2.25	.375	.6875	.5	1.5	1.25	1.25	.25	2.5
RCR 1200-6	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 1650-18	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 1800-12	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 2200-3	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 2200-6	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 2200-12	3/4	.875	4.25	6	2.875	.5	.9375	.625	1.5	1.25	1.875	.375	2.5
RCR 4300-3	1	1.125	5.25	7.5	3.5	.75	1.25	.875	2	1.5	1.5	.5	3
RCR 4300-6	1	1.125	5.25	7.5	3.5	.75	1.25	.875	2	1.5	2.5	.5	3

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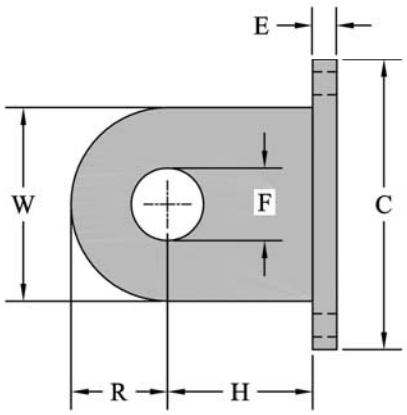

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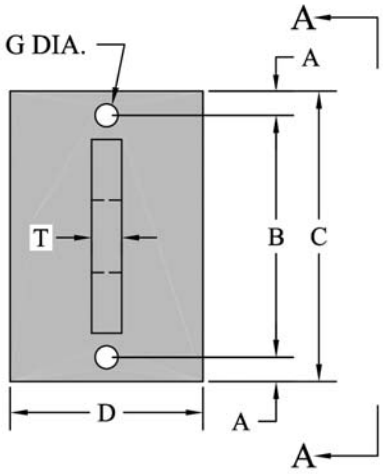
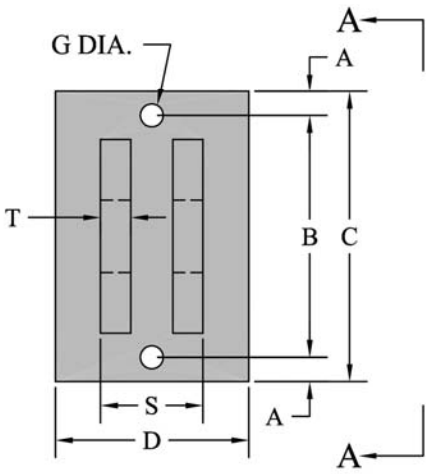
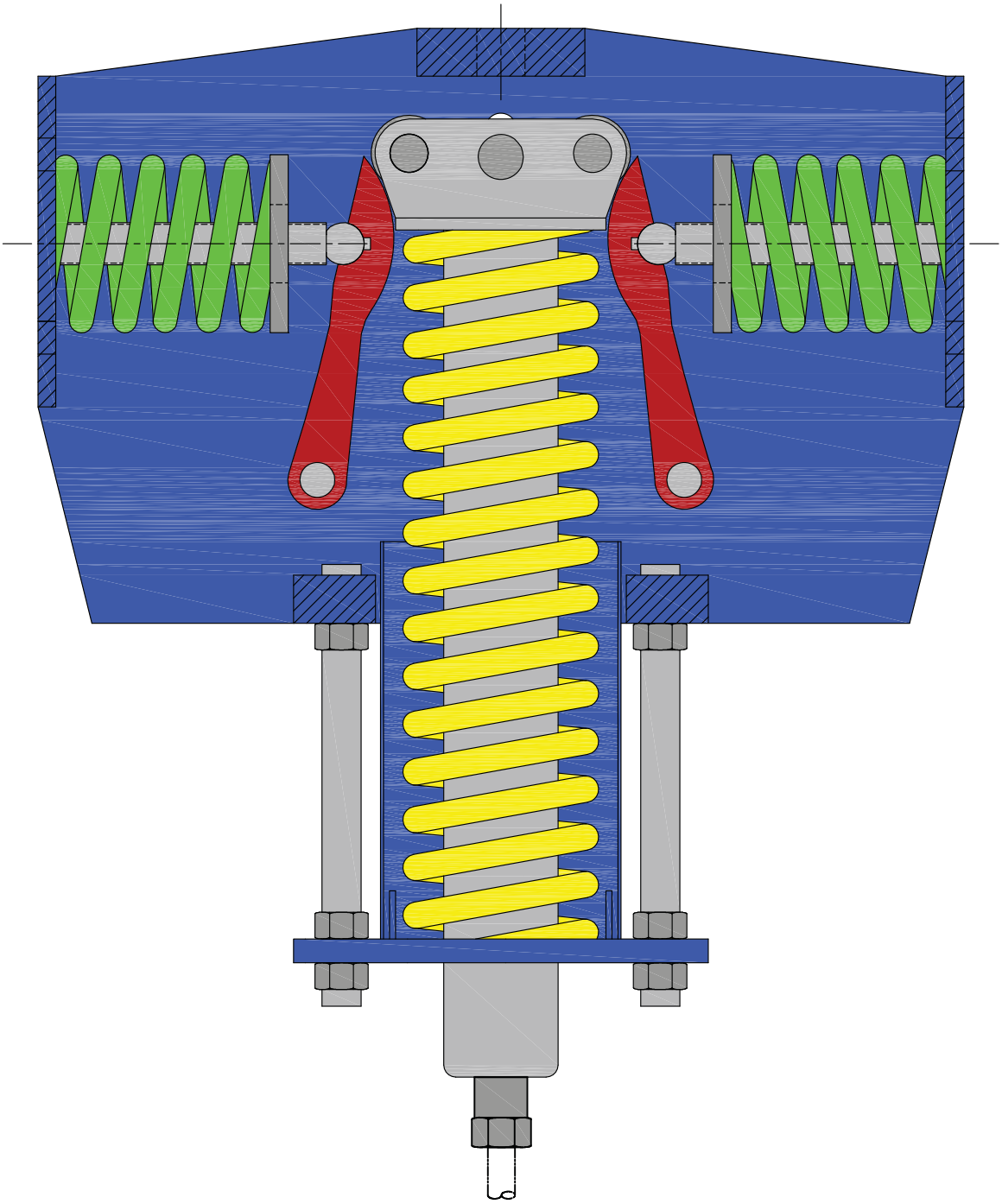


"B" TYPE LUG



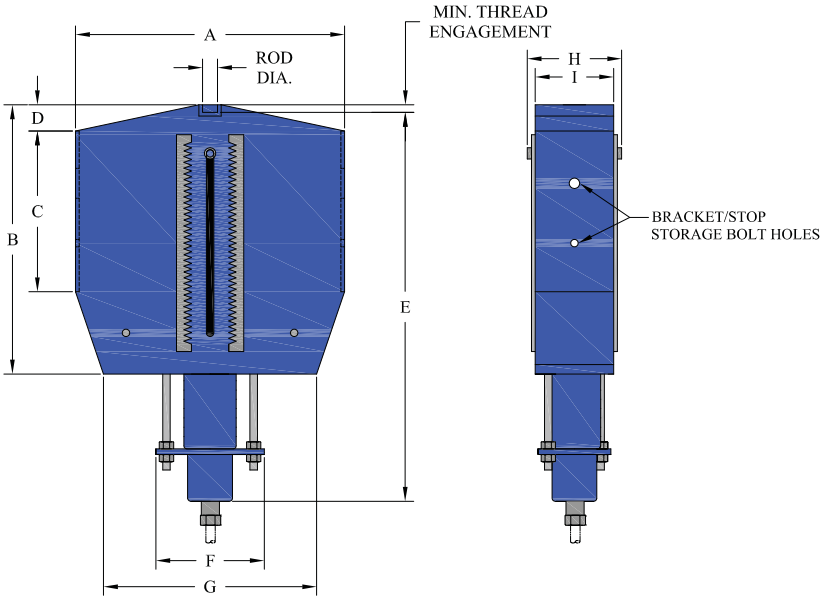
"C" TYPE LUG

Rilco Cam Roller Constant Lug Dimensions (in)													
Size	**Hanger Rod Dia.**	**A**	**B**	**C**	**D**	**E**	**F**	**G Dia.**	**H**	**R**	**S**	**T**	**W**
RCR 3250-18	1	1.125	5.25	7.5	3.5	.75	1.25	.875	2	1.5	2.5	.5	3
RCR 3500-12	1	1.125	5.25	7.5	3.5	.75	1.25	.875	2	1.5	2.5	.5	3
RCR 4300-12	1	1.125	5.25	7.5	3.5	.75	1.25	.875	2	1.5	2.5	.5	3
RCR 5900-18	1-1/2	1	7	9	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 7100-12	1-1/2	1	7	9	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 7500-18	1-1/2	1.0625	7.125	9.25	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 8500-3	1-1/2	1	7	9	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 8000-12	1-1/2	1	7	9	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 8500-6	1-1/2	1	7	9	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 8500-12	1-1/2	1.0625	7.125	9.25	4	1	1.75	1.125	3	2.5	3	.75	5
RCR 9000-18	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 10600-12	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 11200-18	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 12400-18	2	1	8	10	4.5	1.25	2.375	1.375	4	3	3.5	.75	6
RCR 13000-3	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 13000-6	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 13000-12	1-3/4	1.25	7.5	10	4.75	1.25	2	1.375	3	2.5	3.75	.75	5
RCR 14400-12	2	1	8	10	4.5	1.25	2.375	1.625	4	3	3.5	.75	6
RCR 15100-18	2	1.0625	8.125	10.25	4.5	1.25	2.375	1.625	4	3	3.5	.75	6
RCR 17300-3	2	1	8	10	4.5	1.25	2.375	1.625	4	3	3.5	.75	6
RCR 17300-6	2	1	8	10	4.5	1.25	2.375	1.625	4	3	3.5	.75	6
RCR 17300-12	2	1	8	10	4.5	1.25	2.375	1.625	4	3	3.5	.75	6
RCR 18100-12	2-1/4	1.0625	8.125	10.25	4.5	1.5	2.625	1.625	4.5	3	3.5	.75	6
RCR 18900-18	2-1/4	1.25	8.5	11	4.5	1.5	2.625	1.625	4.5	3	3.5	.75	6
RCR 21500-3	2-1/4	1.0625	8.125	10.25	4.5	1.5	2.625	1.625	4.5	3	3.5	.75	6
RCR 21500-6	2-1/4	1.0625	8.125	10.25	4.5	1.5	2.625	1.625	4.5	3	3.5	.75	6
RCR 21500-12	2-1/4	1.25	8.125	11	4.5	1.5	2.625	1.625	4.5	3	3.5	.75	6



U.S. Customary Units

RCR Single Unit Assemblies
1/2″ to 3/4″ Hanger rod diameter
50-2200 pound capacity



See the A, B, C's of Constant types for top mount arrangements available.

E* refers only to the uppermost blocking position. Downward travel increases E dimension directly.

Min thread Engagement = 1.5x rod diameter

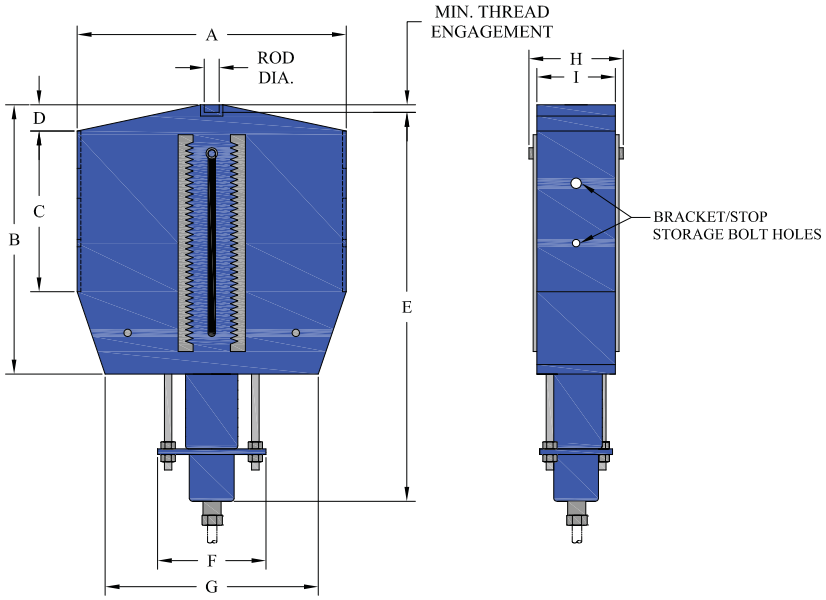
RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	G	H	I	Rod Diameter	Est.Unit Wt lbs.
RCR 50-3	13.75	18	10.5	1.5	20.75	6	10	5.25	14.25	1/2 UNC	31
RCR 50-6	13.75	18	10.5	1.5	20.75	6	10	5.25	14.25	1/2 UNC	31
RCR 125-3	11.75	9.75	7.75	0	13.75	6	9	4.25	3.5	1/2 UNC	22
RCR 125-6	16.25	17.5	11	1.75	21.5	6.75	10.25	5.25	4.25	1/2 UNC	42
RCR 175-18	18.25	31.25	17.75	1	48.25	6	11.5	5.25	4.25	1/2 UNC	115
RCR 275-3	15.25	10.5	5.25	1	14.75	5.5	11.25	5.25	4.25	1/2 UNC	33
RCR 275-6	16.25	17.5	10.75	0.75	25.5	5.5	11.25	5.25	4.25	1/2 UNC	55
RCR 225-12	17.25	25.25	12.75	1	36.75	5.5	11.25	5.25	4.25	1/2 UNC	75
RCR 275-12	18.25	31.25	17.75	1	48.25	6	11.5	5.25	4.25	1/2 UNC	115
RCR 400-18	20.75	32	18	1	47.75	7.75	14.5	6.5	5.25	1/2 UNC	165
RCR 400-12	19	25	12.5	1.75	37.25	7.25	14.25	6.25	5.25	1/2 UNC	106
RCR 550-3	17.5	10.75	5.5	0.75	15.25	7	13.75	6.25	5.25	1/2 UNC	46
RCR 550-6	18	18	10.75	1.75	25.5	7.25	14.25	6.25	5.25	1/2 UNC	77
RCR 550-12	20.75	32	18	1	47.75	7.75	14.5	6.5	5.25	1/2 UNC	165
RCR 800-18	23.5	32.75	18.25	2	49.5	7.75	14.5	6.75	5.25	1/2 UNC	223
RCR 900-12	20.75	25.5	14.5	2	38.25	7.5	14.25	6.75	5.25	1/2 UNC	134
RCR 1100-3	17.5	10.75	6.5	0.5	15.25	7.5	14.25	6.75	5.25	1/2 UNC	60
RCR 1100-6	19.25	18.5	10.25	2.75	26.5	7.5	14.25	6.75	5.25	1/2 UNC	95
RCR 1100-12	23.5	32.75	18.25	2	49.5	7.75	14.5	6.75	5.25	1/2 UNC	223
RCR 1200-6	19.75	12.5	10.25	1	17.5	8.75	15.75	7.25	6	3/4 UNC	97
RCR 1650-18	26.25	33.75	21.25	2.5	54	9.5	16.5	7.5	6	3/4 UNC	331
RCR 1800-12	24	26.5	14.5	2.25	42.25	8.75	16.25	7.25	6	3/4 UNC	203
RCR 2200-3	19.75	12.5	10.25	1	17.5	8.75	15.75	7.25	6	3/4 UNC	97
RCR 2200-6	22.5	19.5	9.75	4.25	26.25	8.75	16.25	7.25	6	3/4 UNC	146
RCR 2200-12	26.25	33.75	21.25	2.5	54	9.5	16.5	7.5	6	3/4 UNC	331

All dimensions shown are in inches U.N.O.

U.S. Customary Units

RCR Single Unit Assemblies
1″ to 2-1/4″ Hanger rod diameter
3250-21500 pound capacity

E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.



RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	G	H	I	Rod Diameter	Est.Unit Wt lbs.
RCR 3250-18	33.25	34.75	20.75	2.25	55.25	11.25	19.25	9	7.5	1 UNC	467
RCR 3500-12	29.25	27.75	16.25	3	43.5	11.25	19.25	9	7.5	1 UNC	350
RCR 4300-3	23.25	13.5	8.25	1.25	18.5	10.75	19.25	9	7.5	1 UNC	161
RCR 4300-6	28	20.25	11.25	4.25	30.25	10.75	19.25	9	7.5	1 UNC	253
RCR 4300-12	33.25	34.75	20.75	2.25	55.25	11.25	19.25	9	7.5	1 UNC	467
RCR 5900-18	34.75	36.5	18	4.75	64.25	13.5	23.5	10.75	9	1-1/2 UNC	743
RCR 7100-12	33.25	29.5	14	6	50.5	13.5	23.5	10.75	9	1-1/2 UNC	582
RCR 7500-18	45	52.25	25.5	6	80	13.5	23.5	11	9.25	1-1/2 UNC	1090
RCR 8000-12	34.75	36.5	18	4.75	64.25	13.5	23.5	10.75	9	1-1/2 UNC	743
RCR 8500-3	28.5	16.5	9.5	1.5	21.75	13.25	22.75	10.75	9	1-1/2 UNC	295
RCR 8500-6	32	22.25	11.75	6.25	35.24	13.25	22.75	10.75	9	1-1/2 UNC	403
RCR 8500-12	45	52.25	25.5	6	80	13.5	23.5	11	9.25	1-1/2 UNC	1090
RCR 9000-18	45.75	38.5	26.25	2.5	67.25	15.75	26	12	10	1-3/4 UNC	1213
RCR 10600-12	39.25	31	15.75	7.75	54	15.75	25.5	11.75	10	1-3/4 UNC	833
RCR 11200-18	50.25	56	28	8.25	84.75	15.75	26	12	10	1-3/4 UNC	1520
RCR 12400-18	47.25	44	29.25	5	82	16.5	27.25	12.5	10	1-3/4 UNC	1612
RCR 13000-3	30.75	18	11.25	2	24	15	25.5	11.75	10	1-3/4 UNC	430
RCR 13000-6	33.5	25	11.75	5.5	37.25	15	25.5	11.75	10	1-3/4 UNC	578
RCR 13000-12	45.75	38.5	26.25	2.5	67.25	15.75	26	12	10	1-3/4 UNC	1213
RCR 14400-12	43.75	36.5	15.25	12	64.75	15.75	26.5	12.5	10	2 UNC	112
RCR 15100-18	49.5	64	33.5	9.75	101.75	16.5	27.25	12.75	10.25	2 UNC	2130
RCR 17300-3	32	23	13	2	27.75	15.25	25.5	12.5	10	2 UNC	580
RCR 17300-6	37.25	28.25	13.5	8.5	45	15.25	25.5	12.5	10	2 UNC	802
RCR 17300-12	47.25	44	29.25	5	82	16.5	27.25	12.5	10	2 UNC	1612
RCR 18100-12	48	37.75	15	15	68.25	18	30.25	13.75	10.75	2-1/4 UNC	1493
RCR 18900-18	51.5	63.75	31.5	11.5	106.25	18	30.25	14	11	2-1/4 UNC	2490
RCR 21500-3	34	24.75	13.75	2	30	17.25	29.5	13.75	10.75	2-1/4 UNC	741
RCR 21500-6	43	31	14	9.75	46.75	17.25	29.5	13.75	10.75	2-1/4 UNC	1047
RCR 21500-12	49.5	43	23	9.75	84	18	30.25	14	11	2-1/4 UNC	1900

All dimensions shown are in inches U.N.O.

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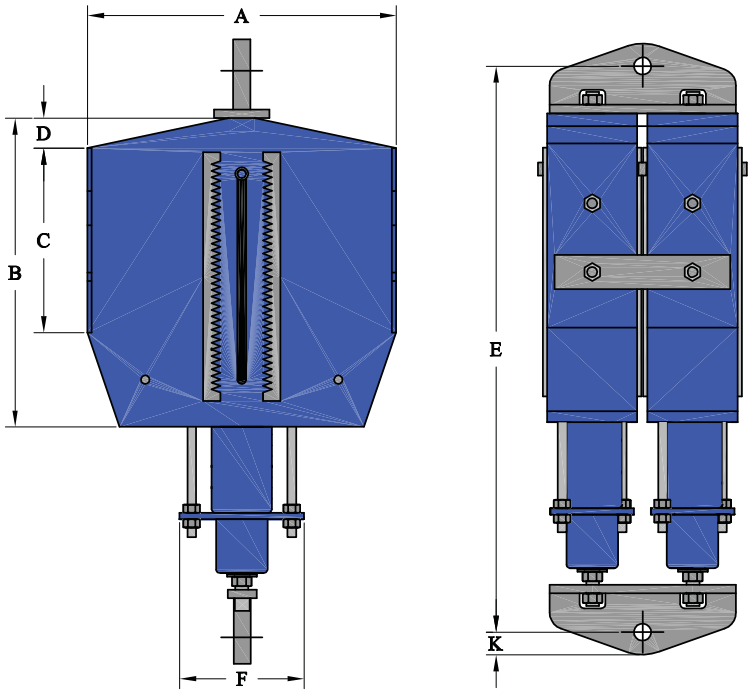
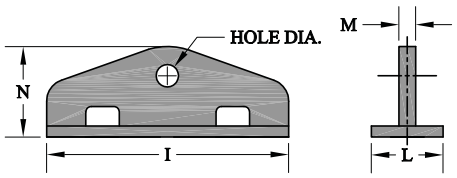
U.S. Customary Units

RCR Multiple Unit Assemblies
2-3/4″ to 3″ Hanger rod diameter
24500-43000 pound capacity



E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.



Top and Bottom Lug Plates

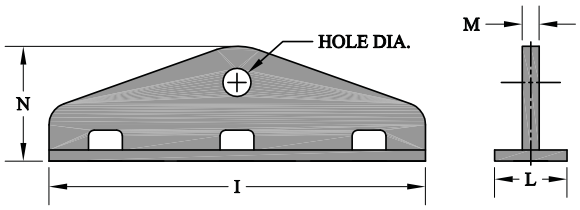
RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	K	L	M	N	Hole Dia.	Est. Unit Wt lbs.	Rod Diameter
RCR 24500-18	49	44	29.25	5	101.75	16.5	25.50	22.25	3.5	3.25	1.125	9.75	3.125	3430	2-3/4 UNC
RCR 28500-12	45.5	36.5	15.25	122	84.5	15.75	25.00	21.75	3.5	3.25	1.125	9.75	3.125	2450	2-3/4 UNC
RCR 30000-18	51.25	64	33.5	9.75	121.5	16.5	27.25	23.75	3.5	3.50	1.375	9.75	3.125	4455	2-3/4 UNC
RCR 35000-3	33.75	23	13	2	47.5	15.25	25.00	21.75	3.5	3.25	1.125	9.75	3.125	1355	2-3/4 UNC
RCR 35000-6	39	28.25	13.5	8.5	64.5	15.25	25.00	21.75	3.5	3.25	1.125	9.75	3.125	1805	2-3/4 UNC
RCR 35000-12	49	44	29.25	5	101.75	16.5	25.00	21.75	3.5	3.25	1.125	9.75	3.125	3430	2-3/4 UNC
RCR 37000-18	53.25	63.75	31.5	11.5	128	18	27.75	24.25	4.25	3.50	1.375	11.25	3.375	5250	3 UNC
RCR 43000-3	35.75	24.75	13.75	2	51.5	17.25	27.25	23.75	4.25	3.50	1.375	11.25	3.375	1730	3 UNC
RCR 43000-6	45	31	14	9.75	68.5	17.25	27.25	23.75	4.25	3.50	1.375	11.25	3.375	2355	3 UNC
RCR 43000-12	51.25	43	23	9.75	106.75	18	27.75	24.25	4.25	3.50	1.375	11.25	3.375	4070	3 UNC

All dimensions shown are in inches U.N.O.

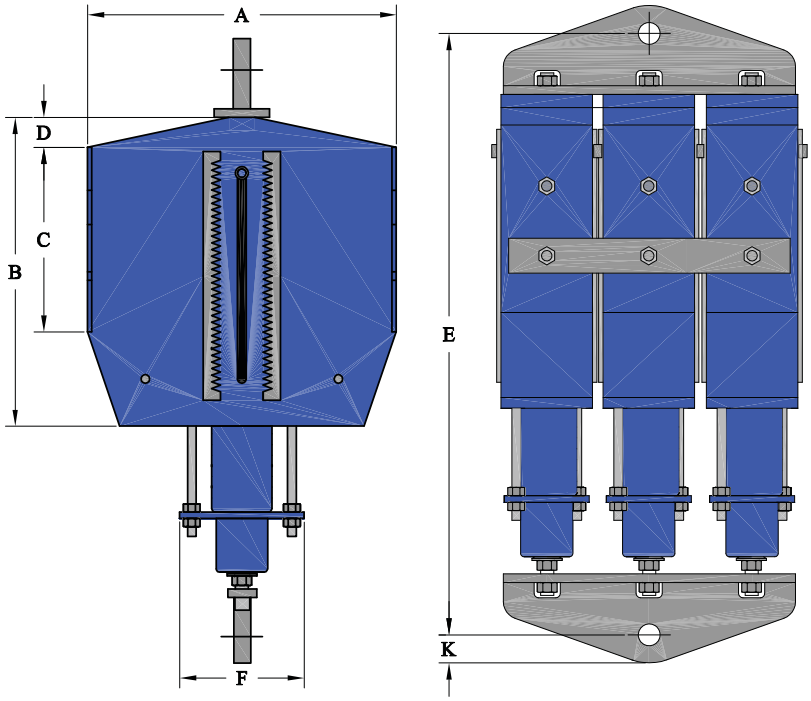
U.S. Customary Units

RCR Multiple Unit Assemblies
3-1/4″ to 3-1/2″ Hanger rod diameter
46000-66000 pound capacity

E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.



Top and Bottom Lug Plates



RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	K	L	M	N	Hole Dia.	Est. Unit Wt lbs.	Rod Diameter
RCR 46000-12	49	44	29.25	5	105.75	16.5	36.75	33.75	4.25	3.25	1.375	12.25	3.375	5225	3-1/4 UNC
RCR 46000-18	51.25	64	33.50	9.75	125.5	16.5	37.50	34.25	4.25	3.25	1.375	12.25	3.375	6770	3-1/4 UNC
RCR 52000-3	33.75	23	13	2	51.5	15.25	36.75	33.75	4.25	3.25	1.375	12.25	3.375	2110	3-1/4 UNC
RCR 52000-6	39	28.25	13.50	8.5	68.5	15.25	36.75	33.75	4.25	3.25	1.375	12.25	3.375	2790	3-1/4 UNC
RCR 55000-12	50.5	37.75	15	15	94.25	18	40.25	36.75	4.75	3.50	1.375	13.75	3.875	4950	3-1/2 UNC
RCR 58000-18	53.25	63.75	31.50	11.5	132.25	18	41.00	37.50	4.75	3.50	1.375	13.75	3.875	7975	3-1/2 UNC
RCR 66000-3	35.75	24.75	13.75	2	56	17.25	40.25	36.75	4.75	3.50	1.375	13.75	3.875	2675	3-1/2 UNC
RCR 66000-6	45	31	14	9.75	72.75	17.25	40.25	36.75	4.75	3.50	1.375	13.75	3.875	3610	3-1/2 UNC
RCR 66000-12	51.25	43	23	9.75	111	18	41.00	37.50	4.75	3.50	1.375	13.75	3.875	6190	3-1/2 UNC

All dimensions shown are in inches U.N.O.

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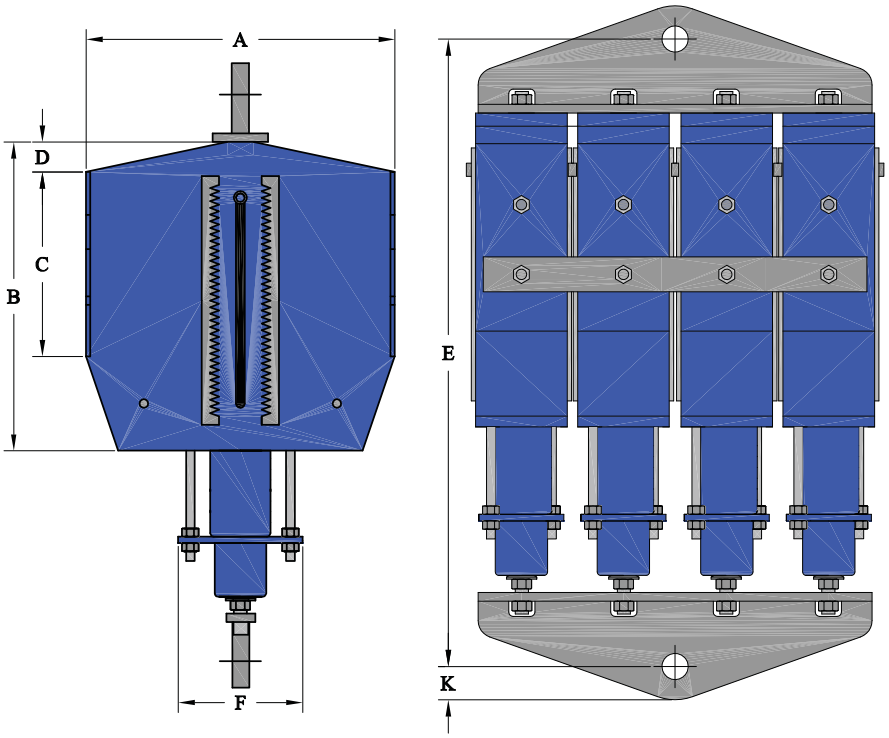
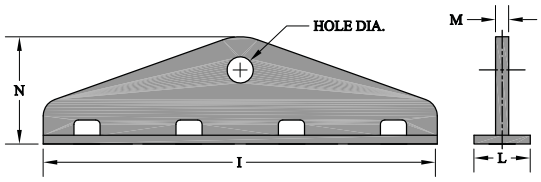
U.S. Customary Units



RCR Multiple Unit Assemblies
3-1/2″ to 4″ Hanger rod diameter
62000-120000 pound capacity

E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.



Top and Bottom Lug Plates

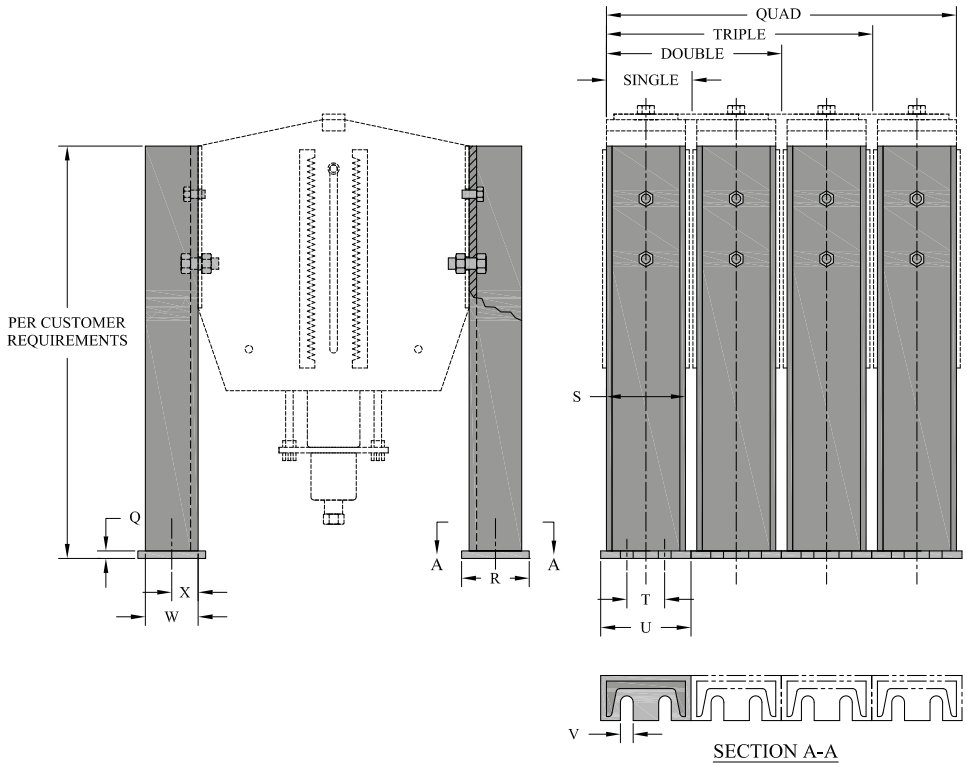
RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	K	L	M	N	Hole Dia.	Est. Unit Wt lbs.	Rod Diameter
RCR 62000-18	51.25	64	33.5	9.75	128.5	16.5	49.25	46.00	4.75	3.25	1.375	14.5	3.875	9095	3-1/2 UNC
RCR 70000-3	33.75	23	13	2	54.5	15.25	48.50	45.50	4.75	3.25	1.375	14.5	3.875	2870	3-1/2 UNC
RCR 70000-6	39	28.25	13.5	8.5	71.75	15.25	48.50	45.50	4.75	3.25	1.375	14.5	3.875	3780	3-1/2 UNC
RCR 70000-12	50.5	37.75	15	15	95.75	18	53.25	49.75	5.25	3.50	1.375	15	4.375	6710	4 UNC
RCR 74000-18	53.25	63.75	31.5	11.5	133.75	18	54.25	50.50	5.25	3.50	1.375	15	4.375	10740	4 UNC
RCR 88000-3	35.75	24.75	13.75	2	57.5	17.25	53.25	49.75	5.25	3.50	1.375	15	4.375	3670	4 UNC
RCR 88000-6	45	31	14	9.75	74.5	17.25	53.25	49.75	5.25	3.50	1.375	15	4.375	4920	4 UNC
RCR 88000-12	51.25	43	23	9.75	112.5	18	54.25	50.50	5.25	3.50	1.375	15	4.375	8360	4 UNC

All dimensions shown are in inches U.N.O.

****Contact Rilco for loads higher than 88000 lbs.**

U.S. Customary Units

Bracket Assemblies



Single Unit Assembly	Double Unit Assembly	Triple Unit Assembly	Quadruple Unit Assembly	Supporting Channel Size	Q	R	S	U	V	T	W	X
RCR 50-3				C3x4.1	0.25	2.125	3	3.75	0.5	0	1.75	1
RCR 50-6				C3x4.1	0.25	2.125	3	3.75	0.5	0	1.75	1
RCR 125-3				C3x4.1	0.25	2.125	3	3.75	0.5	0	1.75	1
RCR 125-6				C3x4.1	0.25	2.125	3	3.75	0.5	0	1.75	1
RCR 175-18				C4x5.4	0.25	2.375	4	4.75	0.5	2	2	1
RCR 225-12				C4x5.4	0.25	2.375	4	4.75	0.5	2	2	1
RCR 275-3				C4x5.4	0.25	2.375	4	4.75	0.5	2	2	1
RCR 275-6				C4x5.4	0.25	2.375	4	4.75	0.5	2	2	1
RCR 275-12				C4x5.4	0.25	2.375	4	4.75	0.5	2	2	1
RCR 400-18				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 400-12				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 550-3				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 550-6				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 550-12				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 800-18				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 900-12				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 1100-3				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 1100-6				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 1100-12				C5x6.7	0.25	2.5	5	5.75	0.5	2.5	2.125	1
RCR 1200-6				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 1650-18				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 1800-12				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 2200-3				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 2200-6				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 2200-12				C5x9	0.375	2.625	5	5.75	0.5	2.5	2.25	1.25
RCR 3250-18				C7x12.25	0.5	3.25	7	8	0.75	2.5	2.75	1.5
RCR 3500-12				C7x12.25	0.5	3.25	7	8	0.75	2.5	2.75	1.5

All dimensions shown are in inches U.N.O.

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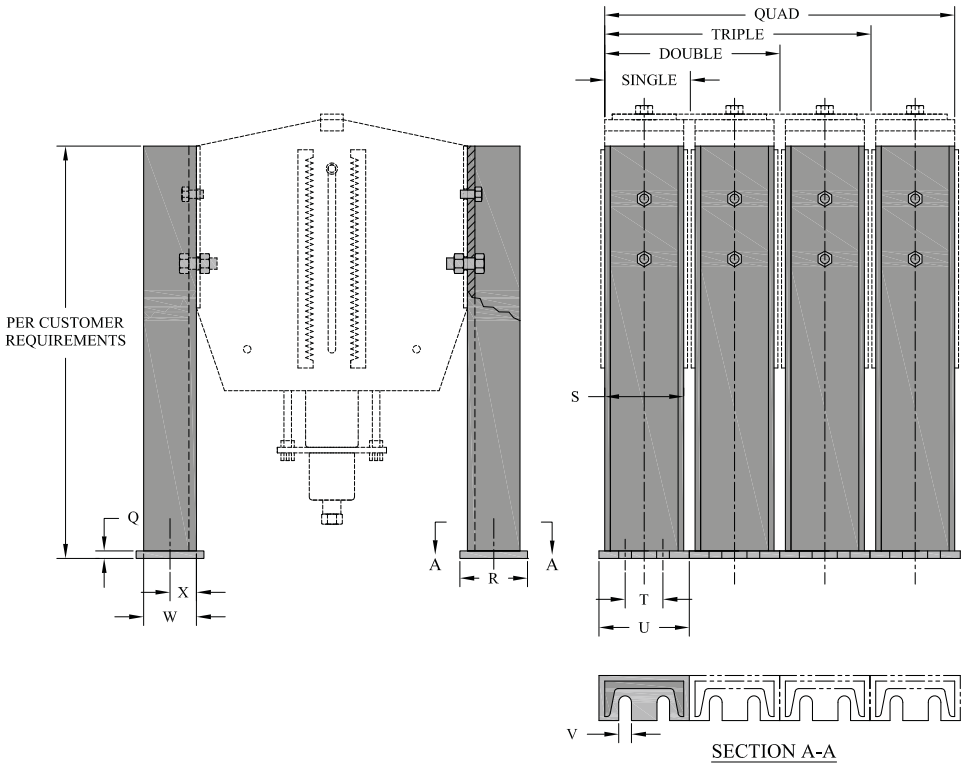
U.S. Customary Units

Bracket Assemblies



Single Unit Assembly	Double Unit Assembly	Triple Unit Assembly	Quadruple Unit Assembly	Supporting Channel Size	Q	R	S	U	V	T	W	X
RCR 4300-3				C7x12.25	0.5	3.25	7	8	0.75	2.5	2.75	1.5
RCR 4300-6				C7x12.25	0.5	3.25	7	8	0.75	2.5	2.75	1.5
RCR 4300-12				C7x12.25	0.5	3.25	7	8	0.75	2.5	2.75	1.5
RCR 5900-18				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 7100-12				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 7500-18				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 8000-12				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 8500-3				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 8500-6				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 8500-12				C8x13.75	0.5	3.375	8	9	0.875	2.5	2.875	1.5
RCR 9000-18				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 10600-12				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 11200-18				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 13000-3				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 13000-6				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 13000-12				C9x20	0.625	3.625	9	10	1	2.5	3.125	1.75
RCR 17300-3	RCR 35000-3	RCR 52000-3	RCR 70000-3	C9x20	0.625	3.625	9	10	1.25	2.5	3.125	2
RCR 17300-6	RCR 35000-6	RCR 52000-6	RCR 70000-6	C9x20	0.625	3.625	9	10	1.25	2.5	3.125	2
RCR 12400-18	RCR 24500-18	RCR 46000-12	RCR 62000-18	C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 14400-12	RCR 28500-12	RCR 46000-18	RCR 70000-12	C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 15100-18	RCR 30000-18	RCR 55000-12	RCR 88000-3	C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 17300-12	RCR 35000-12	RCR 66000-3	RCR 88000-6	C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 18100-12	RCR 43000-3	RCR 66000-6		C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 21500-3	RCR 43000-6			C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 21500-6				C10x25	0.625	3.875	10	11	1.25	2.5	3.375	2.125
RCR 18900-18	RCR 37000-18	RCR 58000-18	RCR 74000-18	C12x30	0.75	4.125	12	13	1.25	2.5	3.625	2.125
RCR 21500-12	RCR 43000-12	RCR 66000-12	RCR 88000-12	C12x30	0.75	4.125	12	13	1.25	2.5	3.625	2.125

All dimensions shown are in inches U.N.O.

Rilco Cam Roller Constant Size Quick Reference Chart

Travel (mm) (Note 2)

Load (kg.) (Note 1)	75	150	300	450
11	RCR 50-3 *(12.7)*	RCR 50-6 *(12.7)*		
17	RCR 50-3 *(12.7)*	RCR 50-6 *(12.7)*		
23	RCR 50-3 *(12.7)*	RCR 50-6 *(12.7)*		
34	RCR 125-3 *(12.7)*	RCR 125-6 *(12.7)*		
45	RCR 125-3 *(12.7)*	RCR 125-6 *(12.7)*	RCR 225-12 *(12.7)*	
56	RCR 125-3 *(12.7)*	RCR 125-6 *(12.7)*	RCR 225-12 *(12.7)*	RCR 175-18 *(12.7)*
79	RCR 275-3 *(12.7)*	RCR 275-6 *(12.7)*	RCR 225-12 *(12.7)*	RCR 175-18 *(12.7)*
101	RCR 275-3 *(12.7)*	RCR 275-6 *(12.7)*	RCR 225-12 *(12.7)*	RCR 400-18 *(12.7)*
124	RCR 275-3 *(12.7)*	RCR 275-6 *(12.7)*	RCR 275-12 *(12.7)*	RCR 400-18 *(12.7)*
146	RCR 550-3 *(12.7)*	RCR 550-6 *(12.7)*	RCR 400-12 *(12.7)*	RCR 400-18 *(12.7)*
180	RCR 550-3 *(12.7)*	RCR 550-6 *(12.7)*	RCR 400-12 *(12.7)*	RCR 800-18 *(12.7)*
214	RCR 550-3 *(12.7)*	RCR 550-6 *(12.7)*	RCR 550-12 *(12.7)*	RCR 800-18 *(12.7)*
248	RCR 550-3 *(12.7)*	RCR 550-6 *(12.7)*	RCR 550-12 *(12.7)*	RCR 800-18 *(12.7)*
281	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 900-12 *(12.7)*	RCR 800-18 *(12.7)*
315	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 900-12 *(12.7)*	RCR 800-18 *(12.7)*
360	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 900-12 *(12.7)*	RCR 800-18 *(12.7)*
405	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 900-12 *(12.7)*	RCR 1650-18 *(19)*
450	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 1100-12 *(12.7)*	RCR 1650-18 *(19)*
495	RCR 1100-3 *(12.7)*	RCR 1100-6 *(12.7)*	RCR 1100-12 *(12.7)*	RCR 1650-18 *(19)*
540	RCR 2200-3 *(19)*	RCR 1200-6 *(19)*	RCR 1800-12 *(19)*	RCR 1650-18 *(19)*
608	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 1800-12 *(19)*	RCR 1650-18 *(19)*
675	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 1800-12 *(19)*	RCR 1650-18 *(19)*
743	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 1800-12 *(19)*	RCR 1650-18 *(19)*
810	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 1800-12 *(19)*	RCR 3250-18 *(25.4)*
900	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 2200-12 *(19)*	RCR 3250-18 *(25.4)*
990	RCR 2200-3 *(19)*	RCR 2200-6 *(19)*	RCR 2200-12 *(19)*	RCR 3250-18 *(25.4)*
1080	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 3250-18 *(25.4)*
1170	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 3250-18 *(25.4)*
1260	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 3250-18 *(25.4)*
1350	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 3250-18 *(25.4)*
1463	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 3250-18 *(25.4)*
1575	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 3500-12 *(25.4)*	RCR 5900-18 *(38)*
1688	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 4300-12 *(25.4)*	RCR 5900-18 *(38)*
1800	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 4300-12 *(25.4)*	RCR 5900-18 *(38)*
1935	RCR 4300-3 *(25.4)*	RCR 4300-6 *(25.4)*	RCR 4300-12 *(25.4)*	RCR 5900-18 *(38)*
2070	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 5900-18 *(38)*
2205	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 5900-18 *(38)*
2340	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 5900-18 *(38)*
2475	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 5900-18 *(38)*
2655	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 5900-18 *(38)*
2835	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 7500-18 *(38)*
3015	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 7500-18 *(38)*
3195	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 7100-12 *(38)*	RCR 7500-18 *(38)*
3375	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 8000-12 *(38)*	RCR 7500-18 *(38)*
3600	RCR 8500-3 v	RCR 8500-6 *(38)*	RCR 8000-12 *(38)*	RCR 9000-18 *(44)*

Note 1: For loads which fall between those shown, select the next highest

Note 2: For displacements which fall between those shown, select the next highest designs. Supports which fall outside the ranges given are readily available for manufacture. Please contact Rilco for more information.

Legend: RCR Load-Travel (Rod Diameter)

Rilco Cam Roller Constant Size Quick Reference Chart

Travel (mm) (Note 2)

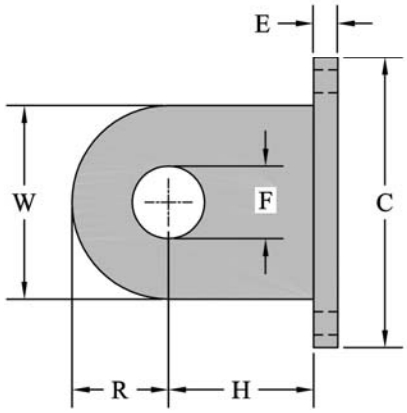
Load (kg.) (Note 1)	75	150	300	450
3825	RCR 8500-3 *(38)*	RCR 8500-6 *(38)*	RCR 8500-12 *(38)*	RCR 9000-18 *(44)*
4050	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 10600-12 *(44)*	RCR 9000-18 *(44)*
4275	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 10600-12 *(44)*	RCR 11200-18 *(44)*
4500	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 10600-12 *(44)*	RCR 11200-18 *(44)*
4770	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 10600-12 *(44)*	RCR 11200-18 *(44)*
5040	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 13000-12 *(44)*	RCR 11200-18 *(44)*
5310	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 13000-12 *(44)*	RCR 12400-18 *(50.8)*
5580	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 13000-12 *(44)*	RCR 12400-18 *(50.8)*
5850	RCR 13000-3 *(44)*	RCR 13000-6 *(44)*	RCR 13000-12 *(44)*	RCR 15100-18 *(50.8)*
6165	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 14400-12 *(50.8)*	RCR 15100-18 *(50.8)*
6480	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 14400-12 *(50.8)*	RCR 15100-18 *(50.8)*
6795	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 17300-12 *(50.8)*	RCR 15100-18 *(50.8)*
7110	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 17300-12 *(50.8)*	RCR 18900-18 *(57)*
7425	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 17300-12 *(50.8)*	RCR 18900-18 *(57)*
7785	RCR 17300-3 *(50.8)*	RCR 17300-6 *(50.8)*	RCR 17300-12 *(50.8)*	RCR 18900-18 *(57)*
8145	RCR 21500-3 *(57)*	RCR 21500-6 *(57)*	RCR 18100-12 *(57)*	RCR 18900-18 *(57)*
8505	RCR 21500-3 *(57)*	RCR 21500-6 *(57)*	RCR 21500-12 *(57)*	RCR 18900-18 *(57)*
8865	RCR 21500-3 *(57)*	RCR 21500-6 *(57)*	RCR 21500-12 *(57)*	RCR 24500-18 *(69.8)*
9225	RCR 21500-3 *(57)*	RCR 21500-6 *(57)*	RCR 21500-12 *(57)*	RCR 24500-18 *(69.8)*
9675	RCR 21500-3 *(57)*	RCR 21500-6 *(57)*	RCR 21500-12 *(57)*	RCR 24500-18 *(69.8)*
10125	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 24500-18 *(69.8)*
10575	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 24500-18 *(69.8)*
11025	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 24500-18 *(69.8)*
11475	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 30000-18 *(69.8)*
12150	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 30000-18 *(69.8)*
12825	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 28500-12 *(69.8)*	RCR 30000-18 *(69.8)*
13500	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 35000-12 *(69.8)*	RCR 30000-18 *(69.8)*
14175	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 35000-12 *(69.8)*	RCR 37000-18 *(76.2)*
14850	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 35000-12 *(69.8)*	RCR 37000-18 *(76.2)*
15750	RCR 35000-3 *(69.8)*	RCR 35000-6 *(69.8)*	RCR 35000-12 *(69.8)*	RCR 37000-18 *(76.2)*
16650	RCR 43000-3 *(76.2)*	RCR 43000-6 *(76.2)*	RCR 43000-12 *(76.2)*	RCR 37000-18 *(76.2)*
17550	RCR 43000-3 *(76.2)*	RCR 43000-6 *(76.2)*	RCR 43000-12 *(76.2)*	RCR 46000-18 *(82.5)*
18450	RCR 43000-3 *(76.2)*	RCR 43000-6 *(76.2)*	RCR 43000-12 *(76.2)*	RCR 46000-18 *(82.5)*
19350	RCR 43000-3 *(76.2)*	RCR 43000-6 *(76.2)*	RCR 43000-12 *(76.2)*	RCR 46000-18 *(82.5)*
20700	RCR 52000-3 *(82.5)*	RCR 52000-6 *(82.5)*	RCR 46000-12 *(82.5)*	RCR 46000-18 *(82.5)*
22050	RCR 52000-3 *(82.5)*	RCR 52000-6 *(82.5)*	RCR 55000-12 *(89)*	RCR 58000-18 *(89)*
23400	RCR 52000-3 *(82.5)*	RCR 52000-6 *(82.5)*	RCR 55000-12 *(89)*	RCR 58000-18 *(89)*
24750	RCR 66000-3 *(89)*	RCR 66000-6 *(89)*	RCR 55000-12 *(89)*	RCR 58000-18 *(89)*
26100	RCR 66000-3 *(89)*	RCR 66000-6 *(89)*	RCR 66000-12 *(89)*	RCR 58000-18 *(89)*
27900	RCR 66000-3 *(89)*	RCR 66000-6 *(89)*	RCR 66000-12 *(89)*	RCR 62000-18 *(89)*
29700	RCR 66000-3 *(89)*	RCR 66000-6 *(89)*	RCR 66000-12 *(89)*	RCR 74000-18 *(101.6)*
31500	RCR 70000-3 *(89)*	RCR 70000-6 *(89)*	RCR 70000-12 *(101.6)*	RCR 74000-18 *(101.6)*
33300	RCR 88000-3 *(101.6)*	RCR 88000-6 *(101.6)*	RCR 88000-12 *(101.6)*	RCR 74000-18 *(101.6)*
35100	RCR 88000-3 *(101.6)*	RCR 88000-6 *(101.6)*	RCR 88000-12 *(101.6)*	
37350	RCR 88000-3 *(101.6))*	RCR 88000-6 *(101.6)*	RCR 88000-12 *(101.6)*	
39600	RCR 88000-3 *(101.6)*	RCR 88000-6 *(101.6)*	RCR 88000-12 *(101.6)*	

Note 1: For loads which fall between those shown, select the next highest

Note 2: For displacements which fall between those shown, select the next highest designs. Supports which fall outside the ranges given are readily available for manufacture. Please contact Rilco for more information.

Legend: RCR Load-Travel (Rod Diameter)

Metric Units of Measure



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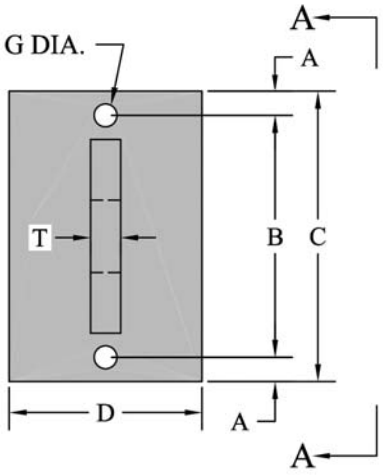
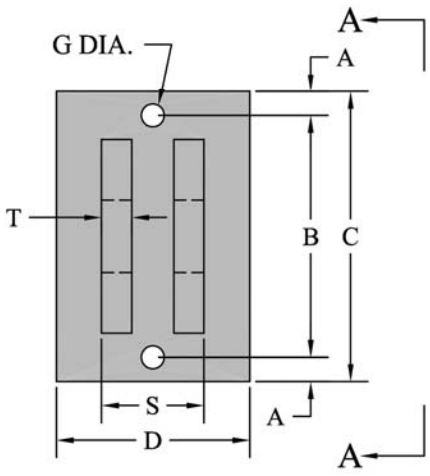


"B" TYPE LUG



"C" TYPE LUG

Rilco Cam Roller Constant Lug Dimensions (mm)													
Size	**Hanger Rod Dia.**	**A**	**B**	**C**	**D**	**E**	**F**	**G Dia.**	**H**	**R**	**S**	**T**	**W**
RCR 50-3	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 50-6	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 125-3	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 125-6	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 175-18	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 225-12	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 275-3	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 275-6	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 275-12	12.7 (1/2")	16	76	108	57	10	16	13	38	32	32	6	45
RCR 400-18	12.7 (1/2")	21	92	133	57	10	16	13	38	32	32	6	51
RCR 400-12	12.7 (1/2")	21	92	133	57	10	16	13	38	32	32	6	51
RCR 550-3	12.7 (1/2")	21	92	133	57	10	16	13	38	32	32	6	51
RCR 550-6	12.7 (1/2")	21	92	133	57	10	16	13	38	32	32	6	51
RCR 550-12	12.7 (1/2")	21	92	133	57	10	16	13	38	32	32	6	51
RCR 800-18	12.7 (1/2")	21	98	133	57	10	18	13	38	32	32	6	64
RCR 900-12	12.7 (1/2")	21	98	133	57	10	18	13	38	32	32	6	64
RCR 1100-3	12.7 (1/2")	21	98	133	57	10	18	13	38	32	32	6	64
RCR 1100-6	12.7 (1/2")	21	98	133	57	10	18	13	38	32	32	6	64
RCR 1100-12	12.7 (1/2")	21	98	133	57	10	18	13	38	32	32	6	64
RCR 1200-6	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 1650-18	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 1800-12	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 2200-3	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 2200-6	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 2200-12	19 (3/4")	22	108	152	73	13	18	16	38	32	48	10	64
RCR 4300-3	25.4 (1")	29	133	191	89	19	32	22	51	38	64	13	76
RCR 4300-6	25.4 (1")	29	133	191	89	19	32	22	51	38	64	13	76

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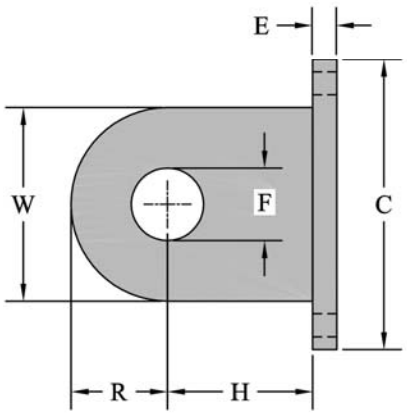

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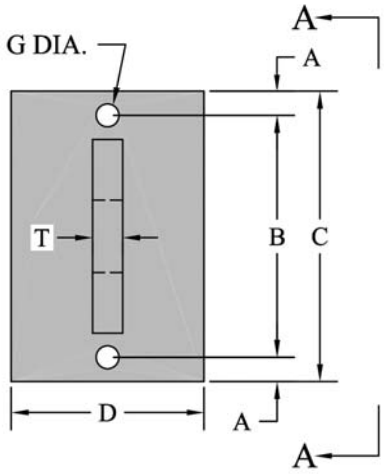
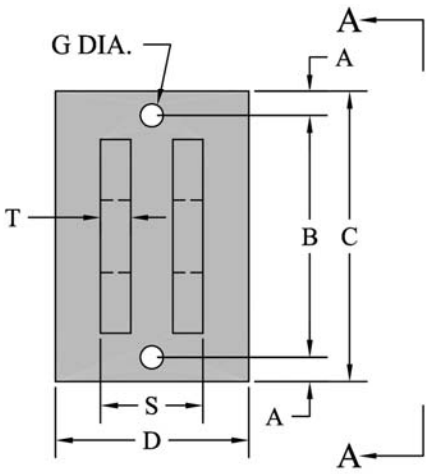
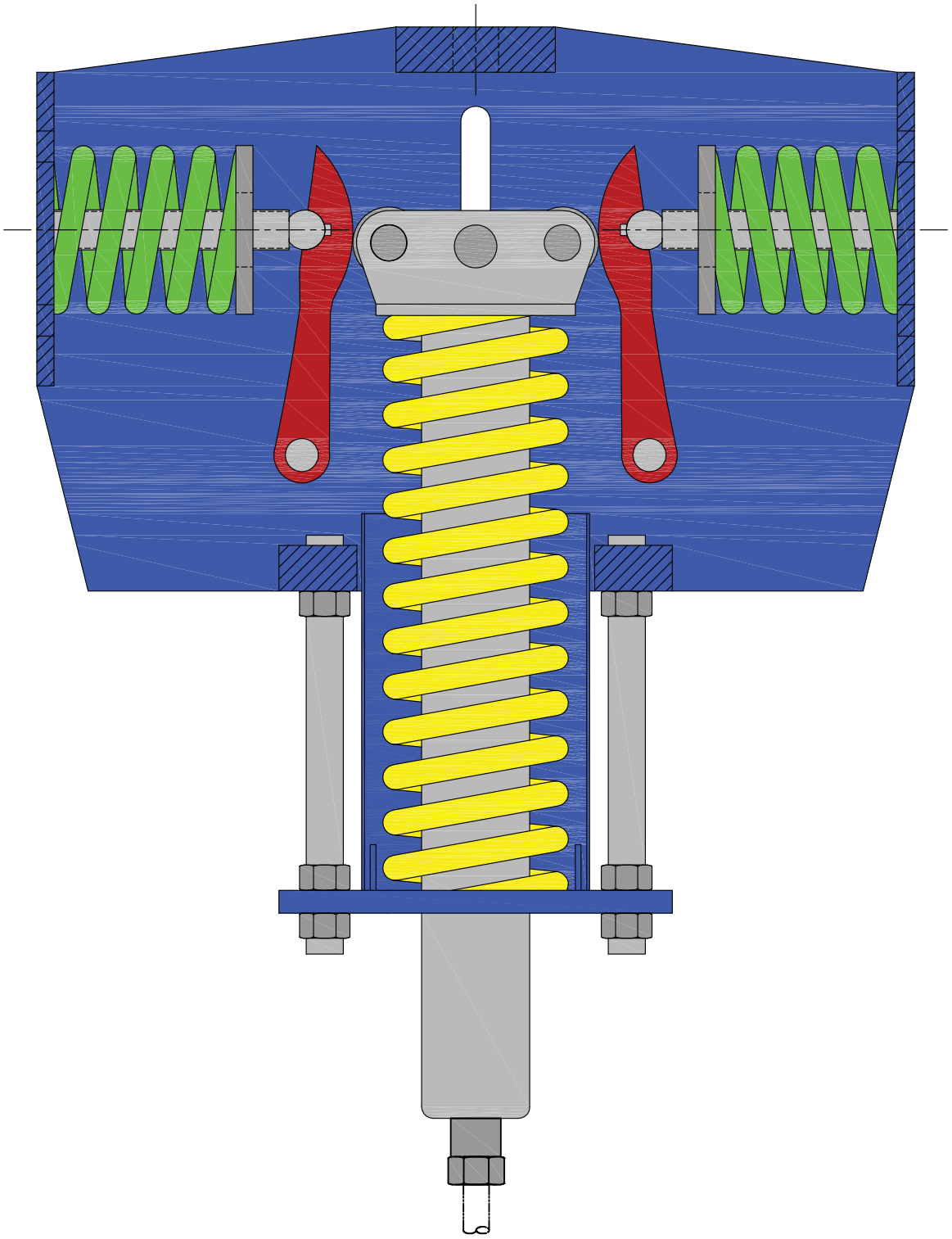


"B" TYPE LUG



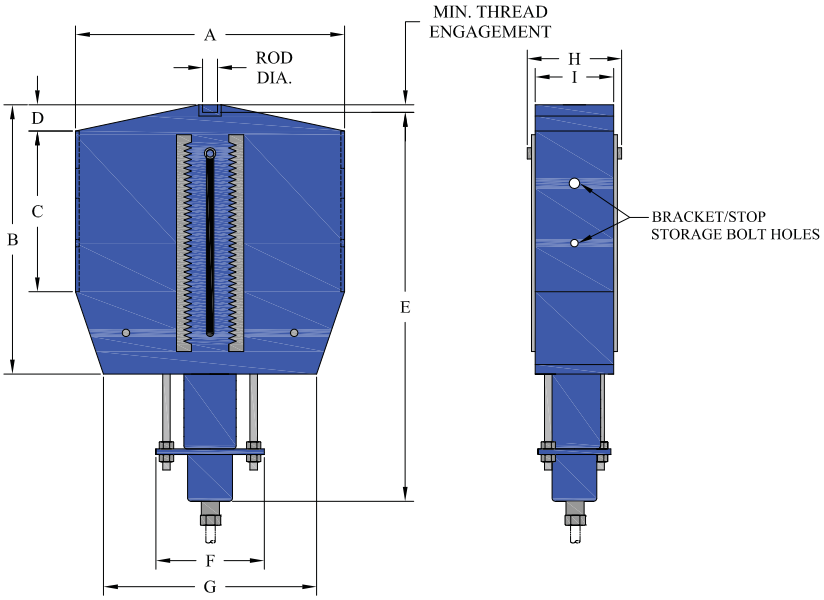
"C" TYPE LUG

Rilco Cam Roller Constant Lug Dimensions (mm)													
Size	**Hanger Rod Dia.**	**A**	**B**	**C**	**D**	**E**	**F**	**G Dia.**	**H**	**R**	**S**	**T**	**W**
RCR 3250-18	25.4 (1")	29	133	191	89	19	32	22	51	38	64	13	76
RCR 3500-12	25.4 (1")	29	133	191	89	19	32	22	51	38	64	13	76
RCR 4300-12	25.4 (1")	29	133	191	89	19	32	22	51	38	64	13	76
RCR 5900-18	38 (1-1/2")	25	178	229	102	25	45	29	76	64	76	19	127
RCR 7100-12	38 (1-1/2")	25	178	229	102	25	45	29	76	64	76	19	127
RCR 7500-18	38 (1-1/2")	27	181	235	102	25	45	29	76	64	76	19	127
RCR 8500-3	38 (1-1/2")	25	178	229	102	25	45	29	76	64	76	19	127
RCR 8000-12	38 (1-1/2")	25	178	229	102	25	45	29	76	64	76	19	127
RCR 8500-6	38 (1-1/2")	25	178	229	102	25	45	29	76	64	76	19	127
RCR 8500-12	38 (1-1/2")	27	181	235	102	25	45	29	76	64	76	19	127
RCR 9000-18	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 10600-12	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 11200-18	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 12400-18	51 (2")	25	203	254	114	32	60	35	102	76	89	19	152
RCR 13000-3	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 13000-6	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 13000-12	45 (1-3/4")	32	191	254	121	32	51	35	76	64	95	19	127
RCR 14400-12	51 (2")	25	203	254	114	32	60	41	102	76	89	19	152
RCR 15100-18	51 (2")	27	206	260	114	32	60	41	102	76	89	19	152
RCR 17300-3	51 (2")	25	203	254	114	32	60	41	102	76	89	19	152
RCR 17300-6	51 (2")	25	203	254	114	32	60	41	102	76	89	19	152
RCR 17300-12	51 (2")	25	203	254	114	32	60	41	102	76	89	19	152
RCR 18100-12	57 (2-1/4")	27	206	260	114	38	67	41	114	76	89	19	152
RCR 18900-18	57 (2-1/4")	32	216	279	114	38	67	41	114	76	89	19	152
RCR 21500-3	57 (2-1/4")	27	206	260	114	38	67	41	114	76	89	19	152
RCR 21500-6	57 (2-1/4")	27	206	260	114	38	67	41	114	76	89	19	152
RCR 21500-12	57 (2-1/4")	32	216	279	114	38	67	41	114	76	89	19	152



Metric Units of Measure

RCR Single Unit Assemblies 12.7 mm to 19 mm Hanger rod diameter



See the A, B, C's of Constant types for top mount arrangements available.

E* refers only to the uppermost blocking position. Downward travel increases E dimension directly.

Min thread Engagement = 1.5x rod diameter

Hanger rod provided in U.S. customary units. See rod diameter in tables below.

RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	G	H	I	Rod Diameter	Est.Unit Wt kg.
RCR 50-3	349	457	267	38	527	152	254	133	362	12.7 (1/2")	14.1
RCR 50-6	349	457	267	38	527	152	254	133	362	12.7 (1/2")	14.1
RCR 125-3	298	248	197	0	349	152	229	108	89	12.7 (1/2")	10.0
RCR 125-6	412	445	279	45	546	172	260	133	108	12.7 (1/2")	19.1
RCR 175-18	463	794	451	25	1226	152	292	133	108	12.7 (1/2")	52.2
RCR 275-3	387	267	133	25	374	140	286	133	108	12.7 (1/2")	15.0
RCR 275-6	412	445	273	19	647	140	286	133	108	12.7 (1/2")	24.9
RCR 225-12	438	641	324	25	934	140	286	133	108	12.7 (1/2")	34.0
RCR 275-12	463	794	451	25	1226	152	292	133	108	12.7 (1/2")	52.2
RCR 400-18	527	813	457	25	1213	197	368	165	133	12.7 (1/2")	74.8
RCR 400-12	482	635	318	45	946	184	362	159	133	12.7 (1/2")	48.1
RCR 550-3	444	273	140	19	387	178	349	159	133	12.7 (1/2")	20.9
RCR 550-6	457	457	273	45	648	184	362	159	133	12.7 (1/2")	34.9
RCR 550-12	527	813	457	25	1213	197	368	165	133	12.7 (1/2")	74.8
RCR 800-18	596	832	464	51	1257	197	368	172	133	12.7 (1/2")	101.2
RCR 900-12	527	648	368	51	972	191	362	172	133	12.7 (1/2")	60.8
RCR 1100-3	444	273	165	13	387	191	362	172	133	12.7 (1/2")	27.2
RCR 1100-6	489	470	260	70	673	191	362	172	133	12.7 (1/2")	43.1
RCR 1100-12	596	832	464	51	1257	197	368	172	133	12.7 (1/2")	101.2
RCR 1200-6	501	318	260	25	445	222	400	184	152	19 (3/4")	44.0
RCR 1650-18	666	857	540	64	1372	241	419	191	152	19 (3/4")	150.1
RCR 1800-12	609	673	368	57	1073	222	413	184	152	19 (3/4")	92.1
RCR 2200-3	501	318	260	25	445	222	400	184	152	19 (3/4")	44.0
RCR 2200-6	572	495	248	108	667	222	413	184	152	19 (3/4")	66.2
RCR 2200-12	667	857	540	64	1372	241	419	191	152	19 (3/4")	150.1

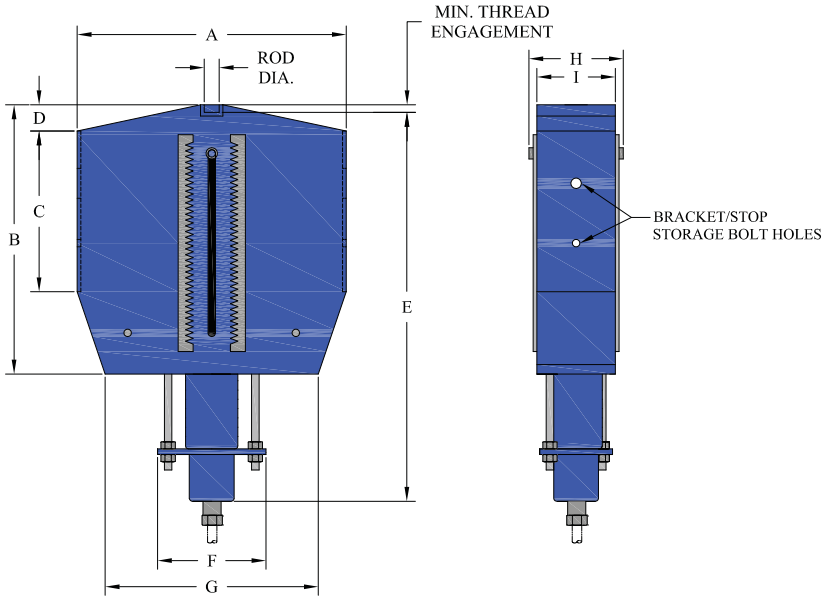
All dimensions shown are in millimeters U.N.O.

Metric Units of Measure

RCR Single Unit Assemblies
25.4 mm to 57 mm Hanger rod diameter
1474-9752 kilogram capacity

E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.

Hanger rod provided in U.S. customary units.
See rod diameter in tables below.



RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	G	H	I	Rod Diameter	Est.Unit Wt kg.
RCR 3250-18	845	883	527	57	1403	286	489	229	191	25.4 (1")	211.8
RCR 3500-12	743	705	413	76	1105	286	489	229	191	25.4 (1")	158.8
RCR 4300-3	591	343	210	32	470	273	489	229	191	25.4 (1")	73.0
RCR 4300-6	711	514	286	108	768	273	489	229	191	25.4 (1")	114.8
RCR 4300-12	845	883	527	57	1403	286	489	229	191	25.4 (1")	211.8
RCR 5900-18	883	927	457	121	1632	343	597	273	229	38 (1-1/2")	337.0
RCR 7100-12	845	749	356	152	1283	343	597	273	229	38 (1-1/2")	264.0
RCR 7500-18	1143	1327	648	152	2032	343	597	279	235	38 (1-1/2")	494.4
RCR 8000-12	883	927	457	121	1632	343	597	273	229	38 (1-1/2")	337.0
RCR 8500-3	724	419	241	38	553	337	578	273	229	38 (1-1/2")	133.8
RCR 8500-6	813	565	299	159	895	337	578	273	229	38 (1-1/2")	182.8
RCR 8500-12	1143	1327	648	152	2032	343	597	279	235	38 (1-1/2")	494.4
RCR 9000-18	1162	978	667	64	1708	400	660	305	254	44 (1-3/4")	550.2
RCR 10600-12	997	787	400	197	1372	400	648	299	254	44 (1-3/4")	377.8
RCR 11200-18	1276	1422	711	210	2153	400	660	305	254	44 (1-3/4")	689.5
RCR 12400-18	1200	1118	743	127	2083	419	692	318	254	44 (1-3/4")	731.2
RCR 13000-3	781	457	286	51	610	381	648	299	254	44 (1-3/4")	195.0
RCR 13000-6	851	635	299	140	946	381	648	299	254	44 (1-3/4")	262.2
RCR 13000-12	1162	978	667	64	1708	400	660	305	254	44 (1-3/4")	550.2
RCR 14400-12	1111	927	387	305	1645	400	673	318	254	50.8 (2")	50.8
RCR 15100-18	1257	1626	851	248	2585	419	692	324	260	50.8 (2")	966.2
RCR 17300-3	813	584	330	51	705	387	648	318	254	50.8 (2")	263.1
RCR 17300-6	946	718	343	216	1143	387	648	318	254	50.8 (2")	363.8
RCR 17300-12	1200	1118	743	127	2083	419	692	318	254	50.8 (2")	731.2
RCR 18100-12	1219	959	381	381	1734	457	768	349	273	57 (2-1/4")	677.2
RCR 18900-18	1308	1619	800	292	2699	457	768	356	279	57 (2-1/4")	1129.4
RCR 21500-3	864	629	349	51	762	438	749	349	273	57 (2-1/4")	336.1
RCR 21500-6	1092	787	356	248	1188	438	749	349	273	57 (2-1/4")	474.9
RCR 21500-12	1257	1092	584	248	2134	457	768	356	279	57 (2-1/4")	861.8

All dimensions shown are in millimeters U.N.O.

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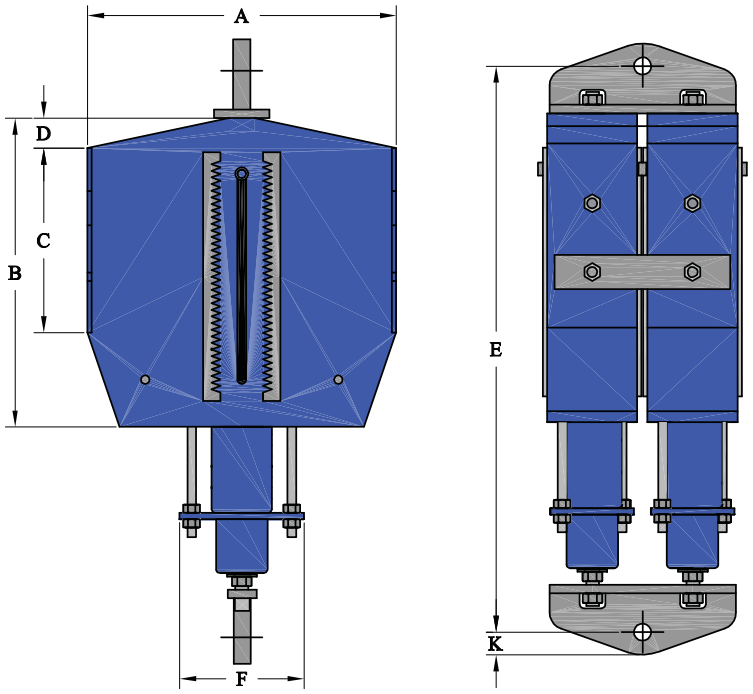
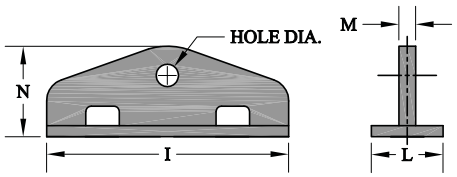
Metric Units of Measure

RCR Multiple Unit Assemblies
69.8 mm to 76.2 mm Hanger rod diameter
11113-19504 kilogram capacity



E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.

Hanger rod provided in U.S. customary units.
See rod diameter in tables below.



Top and Bottom Lug Plates

RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	K	L	M	N	Hole Dia.	Rod Diameter	Est. Unit Wt kg.
RCR 24500-18	1245	1118	743	127	2584	419	648	565	89	83	29	248	79	69.8 (2-3/4")	1557.2
RCR 28500-12	1156	927	387	3099	2146	400	635	552	89	83	29	248	79	69.8 (2-3/4")	1112.3
RCR 30000-18	1302	1626	851	248	3086	419	692	603	89	89	35	248	79	69.8 (2-3/4")	2022.6
RCR 35000-3	857	584	330	51	1207	387	635	552	89	83	29	248	79	69.8 (2-3/4")	615.2
RCR 35000-6	991	718	343	216	1638	387	635	552	89	83	29	248	79	69.8 (2-3/4")	819.5
RCR 35000-12	1245	1118	743	127	2584	419	635	552	89	83	29	248	79	69.8 (2-3/4")	1557.2
RCR 37000-18	1353	1619	800	292	3251	457	705	616	108	89	35	286	86	76.2 (3")	2383.5
RCR 43000-3	908	629	349	51	1308	438	692	603	108	89	35	286	86	76.2 (3")	785.4
RCR 43000-6	1143	787	356	248	1740	438	692	603	108	89	35	286	86	76.2 (3")	1069.2
RCR 43000-12	1302	1092	584	248	2711	457	705	616	108	89	35	286	86	76.2 (3")	1847.8

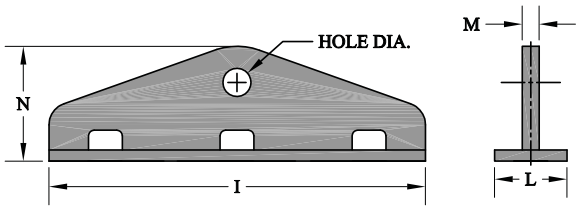
All dimensions shown are in millimeters U.N.O.

Metric units of Measure

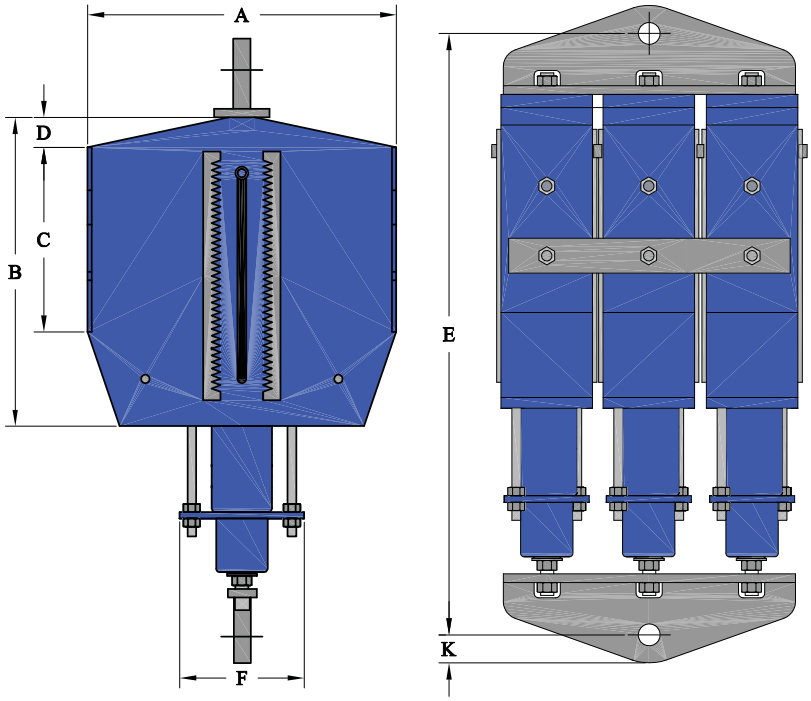
RCR Multiple Unit Assemblies
82.5 mm to 89 mm Hanger rod diameter
20865-29937 kilogram capacity

E* refers only to the uppermost blocking position.
Downward travel increases E dimension directly.

Hanger rod provided in U.S. customary units.
See rod diameter in tables below.



Top and Bottom Lug Plates



RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	K	L	M	N	Hole Dia.	Rod Diameter	Est. Unit Wt kg.
RCR 46000-12	1245	1118	743	127	2686	419	933	857	108	83	35	311	86	82.5 (3-1/4")	2372
RCR 46000-18	1302	1626	851	248	3188	419	953	870	108	83	35	311	86	82.5 (3-1/4")	3074
RCR 52000-3	857	584	330	51	1308	387	933	857	108	83	35	311	86	82.5 (3-1/4")	958
RCR 52000-6	991	718	343	216	1740	387	933	857	108	83	35	311	86	82.5 (3-1/4")	1267
RCR 55000-12	1283	959	381	381	2394	457	1022	933	121	89	35	349	98	89 (3-1/2")	2247
RCR 58000-18	1353	1619	800	292	3359	457	1041	953	121	89	35	349	98	89 (3-1/2")	3621
RCR 66000-3	908	629	349	51	1422	438	1022	933	121	89	35	349	98	89 (3-1/2")	1214
RCR 66000-6	1143	787	356	248	1848	438	1022	933	121	89	35	349	98	89 (3-1/2")	1639
RCR 66000-12	1302	1092	584	248	2819	457	1041	953	121	89	35	349	98	89 (3-1/2")	2810

All dimensions shown are in millimeters U.N.O.

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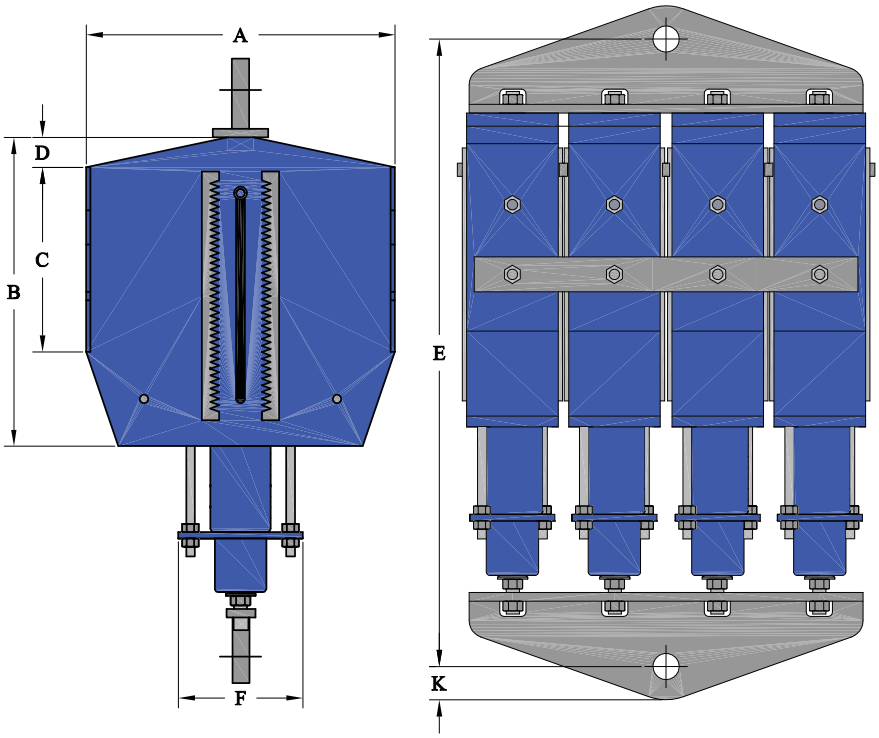
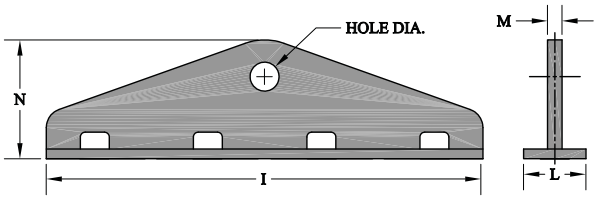
Metric Units of Measure

RCR Multiple Unit Assemblies
89 mm to 101.6 mm Hanger rod diameter
28122-54431 kilogram capacity



E* refers only to the uppermost blocking position. Downward travel increases E dimension directly.

Hanger rod provided in U.S. customary units. See rod diameter in tables below.



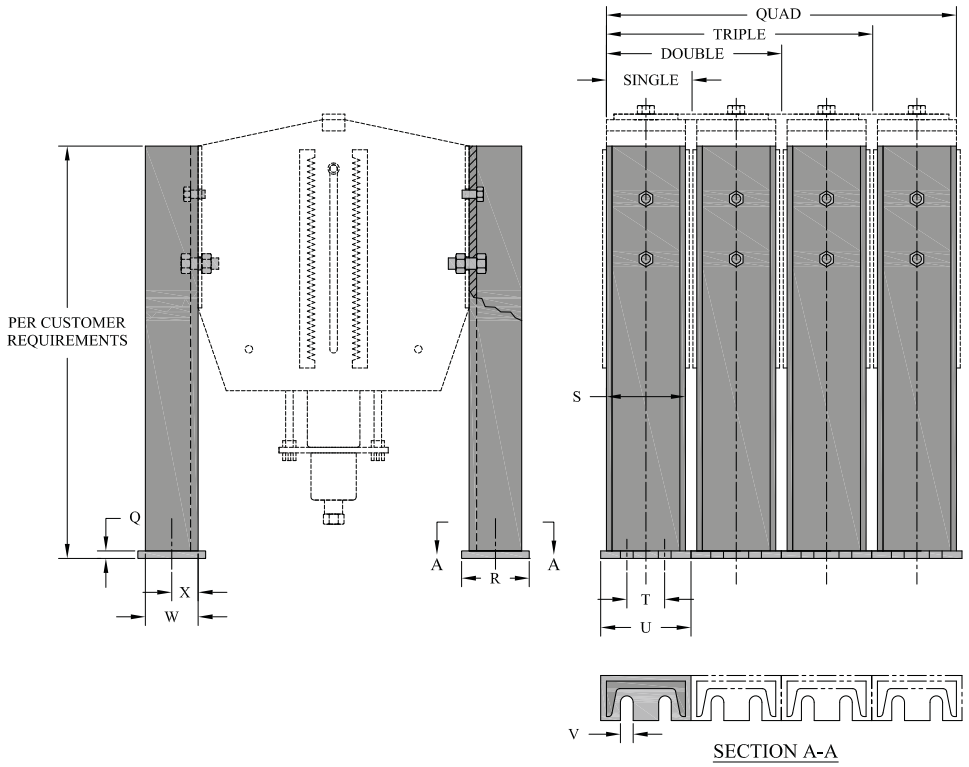
Top and Bottom Lug Plates

RILCO CAM ROLLER™ Identifier	A	B	C	D	E*	F	H	I	L	M	K	N	Hole Dia.	Rod Diameter	Est. Unit Wt kg.
RCR 62000-18	1302	1626	851	248	3264	419	1251	1168	83	35	121	368	98	89 (3-1/2")	4129.1
RCR 70000-3	857	584	330	51	1384	387	1232	1156	83	35	121	368	98	89 (3-1/2")	1303.0
RCR 70000-6	991	718	343	216	1822	387	1232	1156	83	35	121	368	98	89 (3-1/2")	1716.1
RCR 70000-12	1283	959	381	381	2432	457	1353	1264	89	35	133	381	111	101.6 (4")	3046.3
RCR 74000-18	1353	1619	800	292	3397	457	1378	1283	89	35	133	381	111	101.6 (4")	4876.0
RCR 88000-3	908	629	349	51	1461	438	1353	1264	89	35	133	381	111	101.6 (4")	1666.2
RCR 88000-6	1143	787	356	248	1892	438	1353	1264	89	35	133	381	111	101.6 (4")	2233.7
RCR 88000-12	1302	1092	584	248	2858	457	1378	1283	89	35	133	381	111	101.6 (4")	3795.4

All dimensions shown are in millimeters U.N.O.
****Contact Rilco for loads higher than 54431 kilograms.**

Metric Units of Measure

Bracket Assemblies



Single Unit Assembly	Double Unit Assembly	Triple Unit Assembly	Quadruple Unit Assembly	Supporting Channel Size	Q	R	S	U	V	T	W	X
RCR 50-3				C3x4.1	6	54	76	95	13	0	44	25
RCR 50-6				C3x4.1	6	54	76	95	13	0	44	25
RCR 125-3				C3x4.1	6	54	76	95	13	0	44	25
RCR 125-6				C3x4.1	6	54	76	95	13	0	44	25
RCR 175-18				C4x5.4	6	60	102	121	13	51	51	25
RCR 225-12				C4x5.4	6	60	102	121	13	51	51	25
RCR 275-3				C4x5.4	6	60	102	121	13	51	51	25
RCR 275-6				C4x5.4	6	60	102	121	13	51	51	25
RCR 275-12				C4x5.4	6	60	102	121	13	51	51	25
RCR 400-18				C5x6.7	6	64	127	146	13	64	54	25
RCR 400-12				C5x6.7	6	64	127	146	13	64	54	25
RCR 550-3				C5x6.7	6	64	127	146	13	64	54	25
RCR 550-6				C5x6.7	6	64	127	146	13	64	54	25
RCR 550-12				C5x6.7	6	64	127	146	13	64	54	25
RCR 800-18				C5x6.7	6	64	127	146	13	64	54	25
RCR 900-12				C5x6.7	6	64	127	146	13	64	54	25
RCR 1100-3				C5x6.7	6	64	127	146	13	64	54	25
RCR 1100-6				C5x6.7	6	64	127	146	13	64	54	25
RCR 1100-12				C5x6.7	6	64	127	146	13	64	54	25
RCR 1200-6				C5x9	10	67	127	146	13	64	57	32
RCR 1650-18				C5x9	10	67	127	146	13	64	57	32
RCR 1800-12				C5x9	10	67	127	146	13	64	57	32
RCR 2200-3				C5x9	10	67	127	146	13	64	57	32
RCR 2200-6				C5x9	10	67	127	146	13	64	57	32
RCR 2200-12				C5x9	10	67	127	146	13	64	57	32
RCR 3250-18				C7x12.25	13	83	178	203	19	64	70	38
RCR 3500-12				C7x12.25	13	83	178	203	19	64	70	38

All dimensions shown are in millimeters U.N.O.

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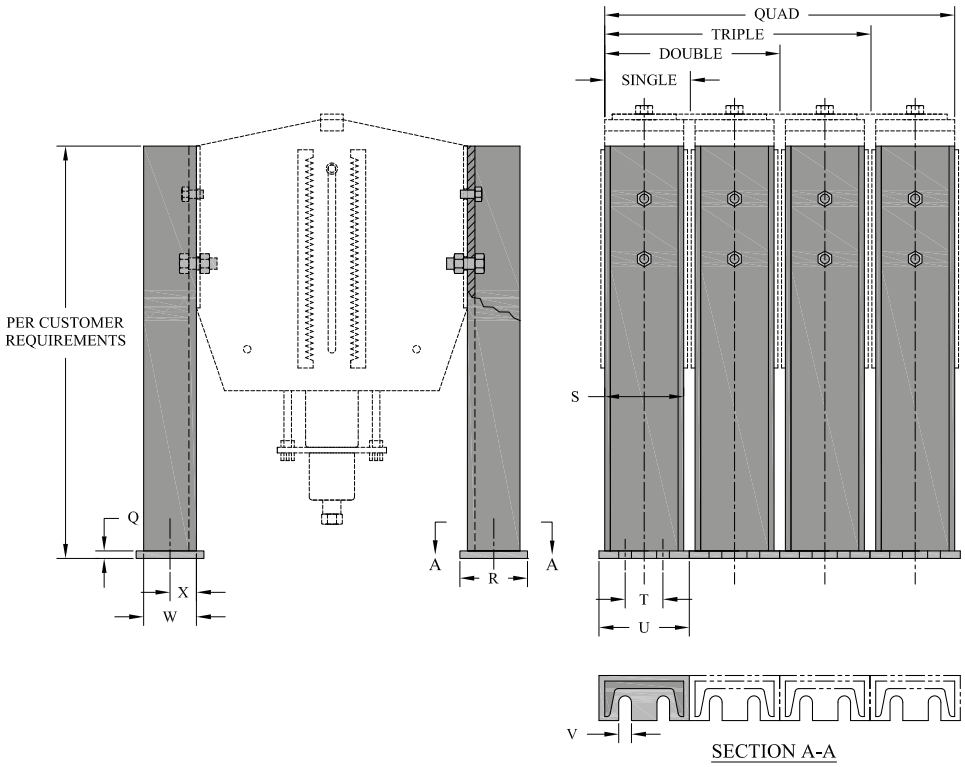
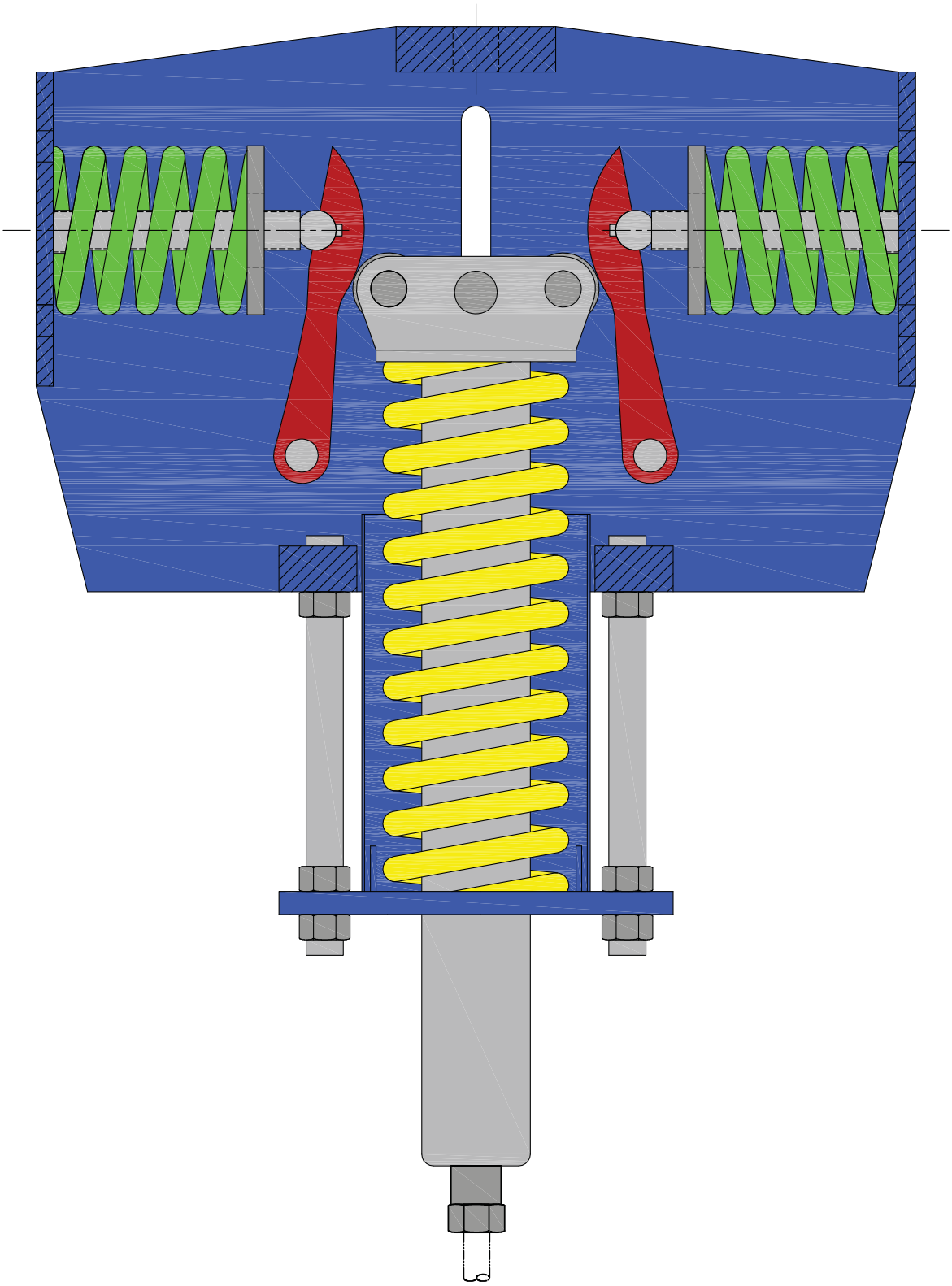
Metric Units of Measure

Bracket Assemblies



Single Unit Assembly	Double Unit Assembly	Triple Unit Assembly	Quadruple Unit Assembly	Supporting Channel Size	Q	R	S	U	V	T	W	X
RCR 4300-3				C7x12.25	13	83	178	203	19	64	70	38
RCR 4300-6				C7x12.25	13	83	178	203	19	64	70	38
RCR 4300-12				C7x12.25	13	83	178	203	19	64	70	38
RCR 5900-18				C8x13.75	13	86	203	229	22	64	73	38
RCR 7100-12				C8x13.75	13	86	203	229	22	64	73	38
RCR 7500-18				C8x13.75	13	86	203	229	22	64	73	38
RCR 8000-12				C8x13.75	13	86	203	229	22	64	73	38
RCR 8500-3				C8x13.75	13	86	203	229	22	64	73	38
RCR 8500-6				C8x13.75	13	86	203	229	22	64	73	38
RCR 8500-12				C8x13.75	13	86	203	229	22	64	73	38
RCR 9000-18				C9x20	16	92	229	254	25	64	79	44
RCR 10600-12				C9x20	16	92	229	254	25	64	79	44
RCR 11200-18				C9x20	16	92	229	254	25	64	79	44
RCR 13000-3				C9x20	16	92	229	254	25	64	79	44
RCR 13000-6				C9x20	16	92	229	254	25	64	79	44
RCR 13000-12				C9x20	16	92	229	254	25	64	79	44
RCR 17300-3	RCR 35000-3	RCR 52000-3	RCR 70000-3	C9x20	16	92	229	254	32	64	79	51
RCR 17300-6	RCR 35000-6	RCR 52000-6	RCR 70000-6	C9x20	16	92	229	254	32	64	79	51
RCR 12400-18	RCR 24500-18	RCR 46000-12	RCR 62000-18	C10x25	16	98	254	279	32	64	86	54
RCR 14400-12	RCR 28500-12	RCR 46000-18	RCR 70000-12	C10x25	16	98	254	279	32	64	86	54
RCR 15100-18	RCR 30000-18	RCR 55000-12	RCR 88000-3	C10x25	16	98	254	279	32	64	86	54
RCR 17300-12	RCR 35000-12	RCR 66000-3	RCR 88000-6	C10x25	16	98	254	279	32	64	86	54
RCR 18100-12	RCR 43000-3	RCR 66000-6		C10x25	16	98	254	279	32	64	86	54
RCR 21500-3	RCR 43000-6			C10x25	16	98	254	279	32	64	86	54
RCR 21500-6				C10x25	16	98	254	279	32	64	86	54
RCR 18900-18	RCR 37000-18	RCR 58000-18	RCR 74000-18	C12x30	19	105	305	330	32	64	92	54
RCR 21500-12	RCR 43000-12	RCR 66000-12	RCR 88000-12	C12x30	19	105	305	330	32	64	92	54

All dimensions shown are in millimeters U.N.O.



Rilco to Lisega Conversion Chart

RILCO TO LISEGA	
RILCO Size	**LISEGA Size**
RCR 50-3	**11C3**
RCR 50-6	**11C3**
RCR 125-3	**11D2**
RCR 125-6	**11D3**
RCR 175-18	**1115**
RCR 275-3	**1112**
RCR 275-6	**1113**
RCR 225-12	**1114**
RCR 275-12	**1115**
RCR 400-18	**1125**
RCR 400-12	**1124**
RCR 550-3	**1122**
RCR 550-6	**1123**
RCR 550-12	**1125**
RCR 800-18	**1135**
RCR 900-12	**1134**
RCR 1100-3	**1132**
RCR 1100-6	**1133**
RCR 1100-12	**1135**
RCR 1200-6	**1142**
RCR 1650-18	**1145**
RCR 1800-12	**1144**
RCR 2200-3	**1142**
RCR 2200-6	**1143**
RCR 2200-12	**1145**
RCR 3250-18	**1155**
RCR 3500-12	**1154**
RCR 4300-3	**1152**
RCR 4300-6	**1153**
RCR 4300-12	**1155**
RCR 5900-18	**1165**
RCR 7100-12	**1164**
RCR 7500-18	**1166**
RCR 8000-12	**1165**
RCR 8500-3	**1162**
RCR 8500-6	**1163**
RCR 8500-12	**1166**
RCR 9000-18	**1175**
RCR 10600-12	**1174**
RCR 11200-18	**1176**
RCR 12400-18	**1185**

RILCO TO LISEGA	
RILCO Size	**LISEGA Size**
RCR 13000-3	**1172**
RCR 13000-6	**1173**
RCR 13000-12	**1175**
RCR 14400-12	**1184**
RCR 15100-18	**1186**
RCR 17300-3	**1182**
RCR 17300-6	**1183**
RCR 17300-12	**1185**
RCR 18100-12	**1194**
RCR 18900-18	**1196**
RCR 21500-3	**1192**
RCR 21500-6	**1193**
RCR 21500-12	**1195**
RCR 24500-18	**1285**
RCR 28500-12	**1284**
RCR 30000-18	**1286**
RCR 35000-3	**1282**
RCR 35000-6	**1283**
RCR 35000-12	**1285**
RCR 37000-18	**1296**
RCR 43000-3	**1292**
RCR 43000-6	**1293**
RCR 43000-12	**1295**
RCR 46000-12	**1385**
RCR 46000-18	**1386**
RCR 52000-3	**1382**
RCR 52000-6	**1383**
RCR 55000-12	**1394**
RCR 58000-18	**1396**
RCR 62000-18	**1486**
RCR 66000-3	**1392**
RCR 66000-6	**1393**
RCR 66000-12	**1395**
RCR 70000-3	**1482**
RCR 70000-6	**1483**
RCR 70000-12	**1494**
RCR 74000-18	**1496**
RCR 88000-3	**1492**
RCR 88000-6	**1493**
RCR 88000-12	**1495**

STANDARD TERMS AND CONDITIONS

Terms and Conditions: Followed by Special Terms & Conditions

1) CONTROLLING PROVISIONS. This document (both pages) entitled "Standard Terms and Conditions" and the attached pricing proposal (which is incorporated herein for all purposes) are collectively referred to herein as the "Proposal." This Proposal, when submitted by the corporation identified as "Seller" on the attached pricing proposal or its authorized representatives (collectively, "Seller") and accepted by the person or entity identified as "Buyer" on the attached pricing proposal or his or its authorized representatives (collectively, "Buyer"), whether such acceptance is oral or in writing, by submission of a purchase order or purchase order number, by acceptance of a product, by commencement of performance hereunder, or by any other means, shall constitute the entire agreement between Buyer and Seller concerning its subject matter, and supersedes all prior agreements and understandings related thereto. Buyer's acceptance of this Proposal is expressly limited to the terms contained herein and no waiver, alteration, modification, amendment, or supplementation of, or conflict with, any provision in this Proposal, whether on Buyer's purchase order, by custom or practice, or otherwise, shall be valid unless such waiver, alteration, modification, amendment, supplementation, or conflict i) is specifically accepted in writing by Seller and signed by an authorized representative of Seller, and ii) specifically states in an obvious and conspicuous manner that it alters, amends, modifies, or supplements (as the case may be) this Proposal. This Proposal shall be governed by the laws of the State of Texas, excluding choice of law rules.

2) DELIVERY. Seller shall make a good faith effort to complete delivery of the products described on the attached pricing proposal, but Seller assumes no responsibility or liability, and will accept no back-charge or reduction in price, for loss or damage due to delay or inability to deliver caused by acts of God, war, labor difficulties, accident, delays of carriers, contractors or suppliers, inability to obtain materials, shortages of fuel and energy, or any other causes of any kind whatsoever beyond the control of Seller. Seller may terminate any agreement for sale of its products and/or services without liability of any nature to Seller by written notice to Buyer, if the delay in delivery or performances resulting from any of the aforesaid causes shall continue for a period of sixty (60) days or more. Under no circumstances shall Seller be liable for any special, consequential, incidental, or punitive damages or for loss, damage, or expense (whether based on negligence or any other form of liability) directly or indirectly arising from any delay or failure to give either notice of delay or notice of termination of an agreement or order. Under no circumstances shall Buyer be entitled to specific performance.

3) WARRANTY. Seller warrants, for one year from the date of shipment of any product manufactured by Seller, that Seller shall replace, correct, or, at its election, refund the net sales price of such manufactured product; provided Seller concludes, after its examination, that such manufactured product contains defects in materials or workmanship, does not conform to the specifications, drawings, or other descriptions supplied by Buyer, and cannot be used for the purpose and in the manner which Seller recommends. EXCEPT AS EXPRESSLY SET FORTH IN THIS PARAGRAPH, ALL PRODUCTS AND/OR SERVICES PROVIDED BY SELLER AND ITS EMPLOYEES AND AGENTS ARE PROVIDED "AS-IS," "WHERE-IS," AND "WITH ALL FAULTS" AND BUYER ACKNOWLEDGES THAT SELLER HAS NOT MADE, DOES NOT MAKE, AND SPECIFICALLY NEGATES, RENOUNCES, AND DISCLAIMS ANY REPRESENTATIONS, WARRANTIES, PROMISES, COVENANTS, AGREEMENTS, AND/OR GUARANTIES OF ANY KIND OR CHARACTER, EXPRESS OR IMPLIED, WITH RESPECT TO (1) THE PRODUCTS SOLD, THEIR MERCHANTABILITY, THEIR PHYSICAL CONDITION, THEIR FITNESS FOR A PARTICULAR PURPOSE, (2) THE MAINTENANCE OR OTHER EXPENSES TO BE INCURRED IN CONNECTION WITH THE PRODUCTS, (3) THE ENGINEERING, DESIGN, OR FABRICATION WORK OR ANY OTHER WORK OR SERVICE (WHETHER GRATUITOUS OR FOR PAYMENT) SUPPLIED BY SELLER AND/OR ITS AGENTS, SUPPLIERS, AND EMPLOYEES, AND (4) THE ACCURACY OR RELIABILITY OF ANY INFORMATION, DESIGNS, OR DOCUMENTS FURNISHED TO PURCHASER. SELLER NEITHER ASSUMES, NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT, ANY OTHER OBLIGATION IN CONNECTION WITH THIS PROPOSAL, INCLUDING, WITHOUT LIMITATION, THE SALE OF ITS PRODUCTS AND/OR RENDERING OF ITS SERVICES. THIS WARRANTY SHALL NOT APPLY TO ANY PRODUCTS OR PARTS OF PRODUCTS WHICH (1) HAVE BEEN REPAIRED OR ALTERED OUTSIDE OF SELLER'S FACTORY, IN ANY MANNER, (2) HAVE BEEN SUBJECTED TO MISUSE, NEGLIGENCE, OR ACCIDENTS, (3) HAVE BEEN USED IN A MANNER CONTRARY TO SELLER'S INSTRUCTIONS, RECOMMENDATIONS, OR SPECIFICATIONS (IF ANY), (4) CONTAIN DESIGN OR MANUFACTURING ERRORS AS A RESULT OF INACCURATE, INCOMPLETE, OR MISLEADING INFORMATION OR SPECIFICATIONS SUPPLIED BY BUYER OR ITS EMPLOYEES OR AGENTS, OR (5) HAVE BEEN PRODUCED OR MANUFACTURED (IN WHOLE OR IN PART) BY PERSONS OTHER THAN SELLER.

4) SELLER'S LIABILITY. SELLER'S LIABILITY FOR BREACH OF THE WARRANTY IN PARAGRAPH 3 SHALL BE EXPRESSLY LIMITED TO AND SHALL NOT EXCEED THE NET SALES PRICE OF THE DEFECTIVE PRODUCT(S), AND NO ADDITIONAL ALLOWANCE SHALL BE MADE FOR THE LABOR OR EXPENSE OF REPAIRING OR REPLACING DEFECTIVE PRODUCTS OR WORKMANSHIP OR DAMAGE RESULTING FROM THE SAME. SELLER SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE, COST OF REPAIRS, OR INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, OF ANY KIND, WHETHER BASED UPON WARRANTY (EXCEPT FOR THE LIMITED OBLIGATION SET FORTH IN PARAGRAPH 3), CONTRACT, NEGLIGENCE, OR ANY OTHER TORT OR CAUSE OF ACTION, ARISING IN CONNECTION WITH THIS PROPOSAL AND/OR THE DESIGN, MANUFACTURE, INSTALLATION, SALE, TRANSPORTATION, USE, OR REPAIR OF THE PRODUCTS OR OF THE INFORMATION, DESIGNS, SERVICES, OR OTHER WORK SUPPLIED TO BUYER.

5) INFRINGEMENT. Buyer shall indemnify, defend, and hold Seller harmless against all claims, causes of action, and liability and expense incurred by Seller and its agents and employees, in connection with any alleged infringement of any patent, copyright, trademark, or other intellectual property or proprietary information resulting from or arising in connection with this Proposal, including, without limitation, any claims, causes of action, and liability and expense arising from or occurring in connection with the design, manufacture, sale, installation, use, or repair of Seller's products and/or the use or dissemination of any designs, drawings, plans, specifications, or other documents, information, or services used by Buyer and/or Seller. The provisions of this Paragraph 5 shall survive the termination of this Proposal.

6) INDEMNITY. Except as expressly set forth in Paragraph 3, and to the maximum extent permitted by applicable law, Buyer shall defend, indemnify, and hold harmless Seller and its agents and employees against any loss, damage, claim, suit, liability, judgment, and expense (including, without limitation, attorney's fees) arising out of or in connection with the injury, disease, or death of persons (including, without limitation, Buyer's and Seller's employees and agents) or damage to or loss of any property or the environment or violation of any applicable law of any governmental authority resulting from or in connection with this Proposal and/or the design, manufacture, sale, transportation, installation, use, or repair of the products or of the information, designs, services, or other work supplied to Buyer, whether caused by the concurrent and/or contributory negligence of Buyer, Seller, or any of their agents, employees, or suppliers. The obligations, indemnities, and covenants contained in this Paragraph 6 shall survive the termination of this Proposal.

7) CONFIDENTIAL INFORMATION. Buyer shall hold in confidence and not disclose (without the prior written approval of Seller, except that such prior written consent shall not be necessary under any circumstances in which such disclosure is required by law) or use for its own benefit or otherwise disseminate any confidential information. As used herein, confidential information shall include, without limitation, i) all plans, designs, blueprints, and specifications of Seller and its agents and suppliers, ii) all design, manufacturing, construction, and installation processes and techniques of Seller and its agents and suppliers, and iii) all patents, copyrights, trademarks, intellectual property, and other proprietary information produced, used, or owned by Seller or its agents or suppliers. Buyer shall indemnify and hold Seller and its agents and employees harmless for any failure to conform or breach of any provision in this Paragraph 7. If it is determined by a court of competent jurisdiction that any provision of Paragraphs 3 through 7 hereof is declared invalid, illegal, or unenforceable in any respect, such provision shall automatically be amended to conform to the maximum monetary limits and other legal limits and to the maximum amount of time allowed by applicable law. The obligations, indemnities, and covenants contained in this Paragraph 7 shall survive the termination of this Proposal.

8) INSPECTION AND ACCEPTANCE. Buyer shall have seven (7) days from the date Buyer receives such products to (i) inspect such products and services and (ii) notify Seller, in writing, of any non-conformance or rejection of such products. After such seven (7) day period, Buyer shall be deemed to have accepted the products, unless Buyer has already accepted the products in a manner provided in Section 2.606 of the Texas Business and Commerce Code. After such acceptance, Buyer shall have no right to reject the products for any reason or to revoke acceptance of any non-conforming products, except as specifically provided in Section 2.608 of the Texas Business and Commerce Code; it being agreed by both parties that such seven (7) day period is a reasonable amount of time for such inspection and revocation. Without affecting the preceding limitation, where engineering, design, or fabrication work or other service is supplied by Seller, Buyer's acceptance of Seller's design or delivery of such work or service shall relieve Seller of all further obligations, except for the limited warranty set forth herein. If Buyer rejects any product or service, Seller shall have forty-five (45) days to cure such defect or non-conformance. Buyer shall have no right to (i) order any change or modification to any product or service previously ordered by Buyer or its representatives, or (ii) terminate this Proposal, without Seller's written consent and without prior payment to Seller of all charges, expenses, commissions, and reasonable profits owed to or incurred by Seller.

9) SHIPMENTS. The cost of any special packing or special handling caused by Buyer's requirements or requests shall be added to the amount of the purchase price. If Buyer causes or requests a shipment delay, or if Seller ships or delivers the products erroneously as a result of inaccurate, incomplete, or misleading information supplied by Seller or its agents or employees, storage and all other additional costs shall be borne solely by Buyer. No claim for shortages shall be allowed unless made in accordance with Paragraph 8, and Seller's count shall be accepted as conclusive on all shipments. Claims for products damaged or lost in transit shall be made on the carrier, as Seller's responsibility ceases, and title passes to Buyer, on delivery to the Carrier.

10) DEFAULT. If Buyer breaches any provision hereof, or becomes insolvent, enters bankruptcy, receivership, or other similar proceeding (whether voluntarily or involuntarily), or makes an assignment for the benefit of its creditors, Seller shall have the right, in addition to any other right or remedy it may have hereunder or by law, to (i) defer shipment of any product, or (ii) terminate this Proposal by giving Buyer written notice. If Seller terminates this Proposal as provided herein, (i) Seller shall be released from all further obligations hereunder, and (ii) Buyer shall pay Seller, within thirty (30) days from the date Seller terminates this Proposal, the full value for all products and services previously delivered, for all costs and expenses incurred by Seller in attempting to complete this Proposal, and for all costs and expenses (including attorney's fees and collection costs) incurred by Seller as a result of Buyer's breach.

STANDARD TERMS AND CONDITIONS

11) PRICES AND DESIGNS. Prices and designs are subject to change without notice. All prices are F.O.B. Point of Shipment, unless otherwise stated by Seller in writing. All prices apply only to the specific products described on the attached pricing proposal.

12) TAXES. The amount of any sales, excise, or other taxes, if any, applicable to the products and services covered herein shall be added to the purchase price and shall be paid by Buyer unless Buyer provides Seller with an exemption certificate acceptable to Seller.

13) TERMS. Cash, net 30 days unless otherwise specified in writing by Seller. Buyer absolutely and unconditionally guarantees to Seller prompt payment, when due, of all amounts owing Seller. Seller may decline to make deliveries under this proposal and may withdraw any credit or payment terms and demand payment for any amount owed by Buyer to Seller, whenever Seller, for any reason, doubts Buyer's ability to pay and Seller advises Buyer, in writing. In addition to the Remedies contained in Paragraph 10, if Buyer fails to perform any of the terms of this Proposal, Seller shall have the right to defer shipments until such default is cured or lien project.

14) ARBITRATION and Venue. In the event of any dispute between Seller and Buyer in connection with this Proposal, the design, manufacture, sale, transporting, use, installation, or repair of the products provided, or the services provided, such dispute shall be settled by arbitration at the request of either party. To institute such arbitration proceedings, the party desiring to institute the arbitration procedure shall notify the other party and in such notice designate the first arbitrator. If the first arbitrator is acceptable to the other party, the other party shall so notify the first party within ten (10) days and the first arbitrator shall proceed to determine the dispute within twenty (20) days thereafter. If the first arbitrator is not acceptable, then within ten (10) days of notification of the name of the first arbitrator, the second party shall designate in writing a second arbitrator. If a second arbitrator is designated, the two arbitrators shall meet and select a third arbitrator and the three arbitrators shall determine the matter and dispute within twenty (20) days from the date of the designation of the second arbitrator. Failure of the two initial arbitrators to select a third arbitrator within ten (10) days, shall entitle either party to apply to an appropriate court for appointment of the third arbitrator. All arbitrators shall be licensed attorneys with at least five (5) years experience in business and/or commercial transactions.

The decision of the arbitrator or arbitrators shall be binding and conclusive on the parties hereto. The fees and expenses of the arbitrator appointed by each party shall be the responsibility of that party. If only one arbitrator is used, or with respect to the third arbitrator, the fees and expenses of such sole or third arbitrator, as the case may be, shall be borne equally by the parties. Any arbitrator designated to serve pursuant hereto shall not be an affiliate of any of the parties hereto. Any arbitration carried out pursuant to this Proposal shall be conducted in accordance with the Federal Arbitration Act and the applicable rules of the American Arbitration Association. The arbitrator(s) shall allow the production of all documents which form the basis of the dispute, as well as all supporting documentation reasonably necessary to explain the documents in dispute. No hearings or other discovery shall be allowed unless the arbitrator(s), in his or their sole opinion, deems it necessary for the arbitration. All the hearings and proceedings held and all investigations and actions taken by the arbitrator shall take place in the city in which the principal offices of Seller are located (as of the date of this Proposal, the principal offices of Seller are located in Houston, Harris County, Texas). Judgment upon any award rendered by the arbitrator or arbitrators may be entered in any court having jurisdiction thereof. While the fees and expenses of the arbitrators shall be apportioned as set forth above, the losing party will pay the prevailing party's attorneys' fees and other costs.

15) INVALID PROVISIONS. If any provision hereof is held to be illegal, invalid, or unenforceable under present or future laws effective during the term hereof, such provision shall be fully severable; this Proposal shall be construed and enforced as if such illegal, invalid, or unenforceable provision had never comprised a part hereof; and the remaining provisions here shall remain in full force and effect and shall not be affected by the illegal, invalid, or unenforceable provisions or by its severance herefrom.

16) COSTS. Except as specifically provided in Paragraph 14, the prevailing party in any dispute between the parties to this Proposal, arising out of the interpretation, application, or enforcement of any provision of this Proposal, shall be entitled to recover all of its reasonable attorneys' fees and costs, whether suit be filed or not.

17) PAST DUE ACCOUNTS. Buyer agrees to pay Seller the maximum lawful rate allowed by applicable state and federal law on all past due accounts.

18) ASSIGNMENT. This Proposal shall not be assigned by Buyer without the prior written consent of Seller.

19) WAIVER. A waiver by Seller of any provision of this Proposal or of any right or remedy shall not constitute a waiver of any other provision, right, or remedy.

20) SECTION HEADINGS. The section headings in this Proposal are for convenience only and shall have no meaning or effect.

Special Commercial Terms & Conditions:

Escalation-Prices for Raw material are quoted based on market price at time of quote. RILCO reserved the right to adjust final price of products based on changes in cost of raw materials due to mill surcharges at time of material delivery with proper documentation.

Late Payments-RILCO terms are offered based on timely payment of invoices. RILCO reserves the right to charge a late fee for payments 10 days past terms offered. RILCO reserves the right to hold shipments of goods if an account is past due until account been paid and is current. RILCO reserves the right to discontinue our offered terms if and account is not paid according to offered terms.

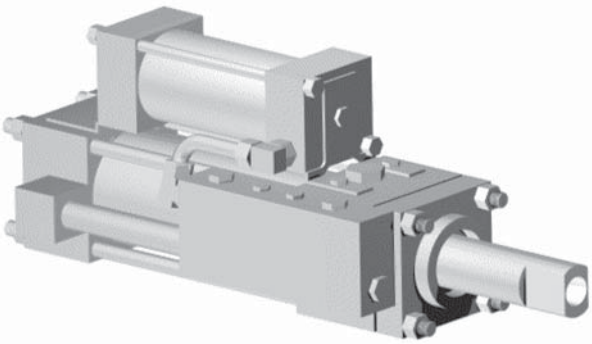
Liquidated Damages-RILCO does not accept liquidated damages for later delivery due to engineering changes, engineering review or other items beyond our direct control.

Credit-Credit is offered subject to credit approval.

Delivery-Quoted delivery schedule is based on production workload at time of proposal. RILCO reserves the right to provide a formal production schedule at time of order placement due to material availability and shop work load at time of order placement

We are currently basing our production on controlled order acceptance. This basically means that we are going to review each order on the date it is received for all conditions such as delivery requirements, payment terms, and material availability before we accept an order for manufacturing.

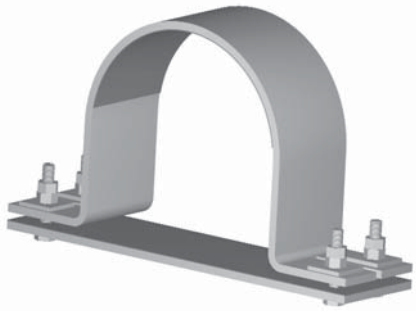
Hydraulic Snubber



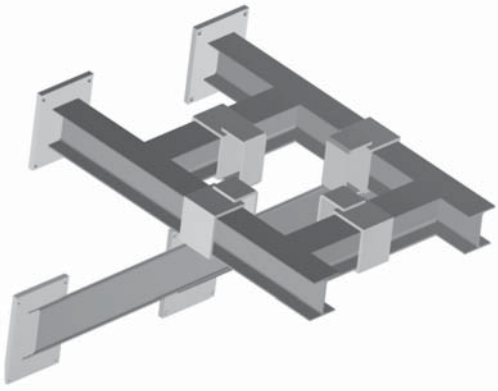
Load (lbs)	
Cylinder Size (in)	Max Load
1-1/2 (5” stroke)	3000
1-1/2 (10” stroke)	1250
2-1/2 (5”, 10”, 15” stroke	12500
2-1/2 (20” stroke)	10500
3-1/4	21000
4	32000
5	50000
6	72000
8	128000

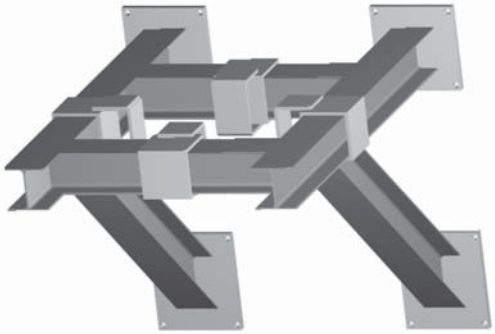
Hold Down Clamps

Guide and capture applications available for all pipe sizes, materials and finishes. Built to customer specifications. Can be supplied with Teflon® liners and slides and/or vibration dampening materials.



Fabricated Steel



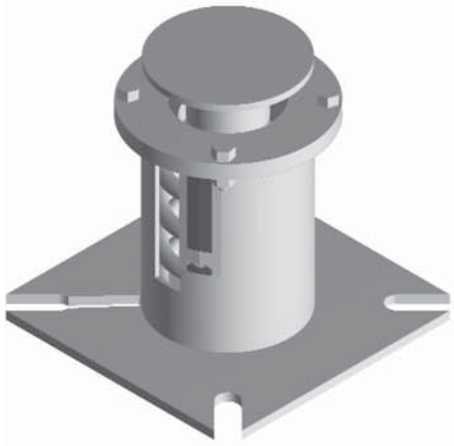


Rilco designed and manufactured to meet your specifications using commercially available and fabricated members in a wide range of materials and plate thicknesses.

12700 Tanner Road Houston, Texas USA 77041 Phone No: (713) 466-4777 Fax No: (713) 466-6547 www.rilco.com

Variable Springs

Types	Figure and Numbers	Sizes
A	RVS 82, 268, 98, 3X, 4X	000 thru 22
B	RVS 82, 268, 98, 3X, 4X	000 thru 22
C	RVS 82, 268, 98, 3X, 4X	000 thru 22
D	RVS 82, 268, 98, 3X, 4X	000 thru 22
E	RVS 82, 268, 98, 3X, 4X	000 thru 22
F	RVS 82, 268, 98, 3X, 4X	000 thru 22
G	RVS 82, 268, 98, 3X, 4X	000 thru 22



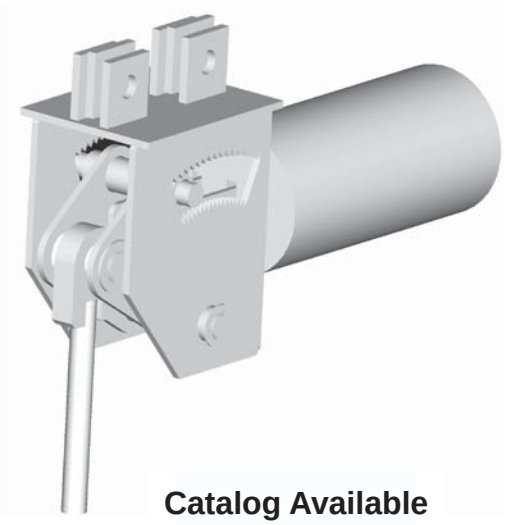
High Temperature Supports

Temperature up to 1200° F
Applications for guides, resting, anchors, hangers, insulation blocks, riser clamps, and trunnion supports.
Available in all pipe sizes and insulation thickness.
Select from Rilco standard supports or custom design per customer specification.

Low Temperature Supports

Temperatures range: -425° F to 275° F
Applications for guides, resting, anchors, hangers, insulation blocks, riser clamps, and trunnion supports.
Available in all pipe sizes and insulation thickness.
Select from RILCO standard supports or custom design per customer specification.

Lever Type Constant Springs



Catalog Available

Types	Figures	Sizes
A	RCS 80V, RCS 81H	1-110
B	RCS 80V, RCS 81H	1-110
C	RCS 80V, RCS 81H	1-110
D	RCS 80V, RCS 81H	1-110
E	RCS 80V, RCS 81H	1-110
F	RCS 80V, RCS 81H	1-110
G	RCS 80V	1-110
UPTHRUST	RCS 81H	1-63
Designs available for non-standard loads or dimensions		

Advantages of Rilco Cam Roller Constants Over Lever Type

- RCR Constants have wider load and travel ranges than lever type
- A single central suspension point on the RCR constant with completely linear travel motion imposes no bending moments on supporting steel
- More compact overall package dimensions of the RCR as opposed to the large lever type overall size
- Lower load deviation on RCR constants than the lever style reduces stress in the piping system
- RCR constants have a wide load adjustment range. A typical lever style constant has +/- 10% field adjustability while the RCR has -30% to 100% load adjustability depending on the particular set load
- You can observe a direct reading on the linear travel scale of the RCR constants as opposed to the arced scale on the traditional constant for easy determination of pipe movements

Rilco Cam Roller Constant

Lever Type Constant

12700 Tanner Road Houston, Texas USA 77041 Phone No: (713) 466-4777 Fax No: (713) 466-6547 www.rilco.com

Rilco's global headquarters, in Houston, Texas, is currently situated on over 400,000 square feet of manufacturing and office space at two locations. Each facility was specially designed and laid-out utilizing large bays for steel fabrication, including multiple fit-up and welding stations, in-house blasting and painting as well as a separate assembly and packing area providing us with the capabilities to process jobs ranging from the simple to the most complex. We are ready and willing to provide you with all the support you need for your most important project.

Our state of the art steel fabrication equipment at Brittmoore Park & Tanner Road includes:

Press Brakes
Two - 700 Ton Capacity Sixteen Foot

Ironworkers
One - 100 Ton Capacity 6' x 6' x 1/2" angle
One - 100 Ton Capacity 12' x 1-1/2" flat bar

Shears
Two - 10' x 1/2"

Rolls
Two - 5' x 1/2"
Two - 4' x 1/4"
One - 4' x 1-1/2"

Plasma Burners
Three - 12' x 40'

Saw Cutters
Four - Capable of cutting up to 24" wide beams

Punch Press
One - 80 Ton Capacity

Overhead Cranes
Five - 10 Ton Capacity
Two - 15 Ton Capacity

RILCO

Multiple welding and fit-up stations as well as blasting and painting booths

Rilco Manufacturing Company, Inc.

12700 Tanner Road, Houston, TX 77041

Phone (713) 466-4777 Fax (713) 466-6547

www.rilco.com