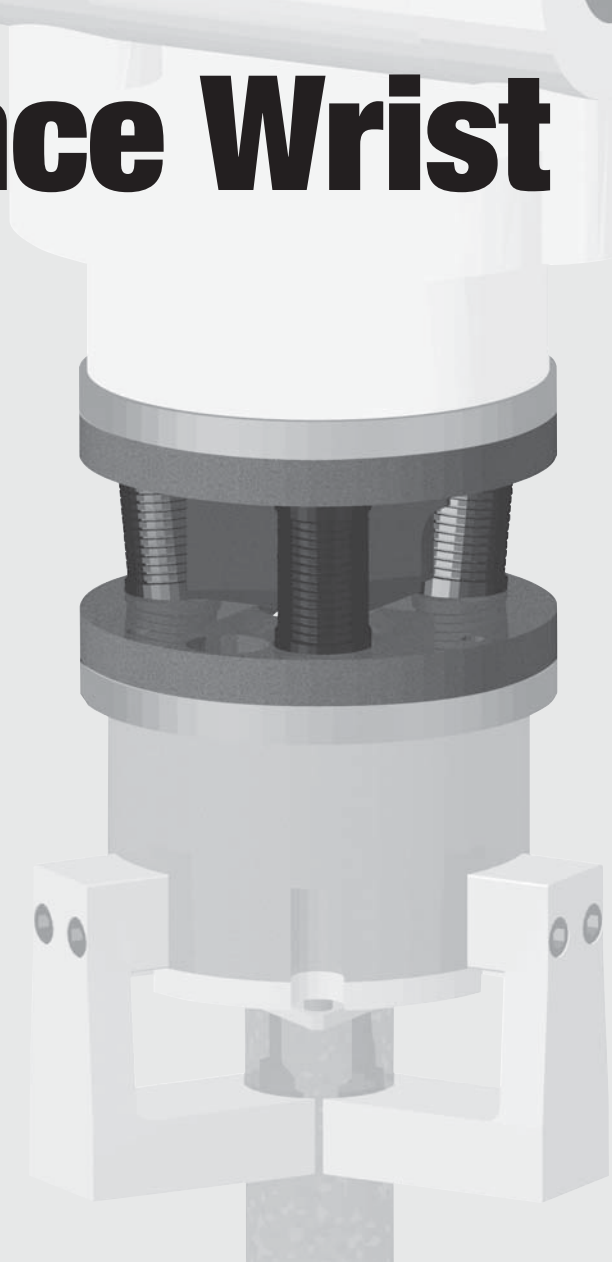
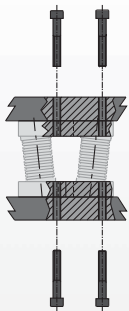


# Compliance Wrist

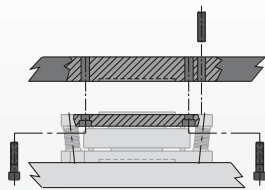


- Robotic applications:**  
 Excellent for inserting components that may be mis-aligned or skewed with respect to mating components. Reduces part jamming which could transmit excessive forces back to the robot .
- Automation applications:**  
 For insertion applications where part positioning may be less than precise. Compliance in torsion, bending and lateral directions allow this device to compensate for part placing inaccuracies.

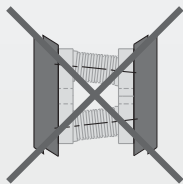
## Mounting Information:



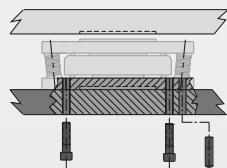
On size 50-80, robot side has tapped holes for mounting



On size 125-300, robot side has counter bored holes for mounting with a dowel hole and raised boss for location



**Not recommended** in horizontal axis applications where the weight attached to the tool side can deflect the device



On all sizes tool side has tapped holes for mounting. Sizes 125-300 have pilot hole and dowel hole for positioning

## Technical Specifications:

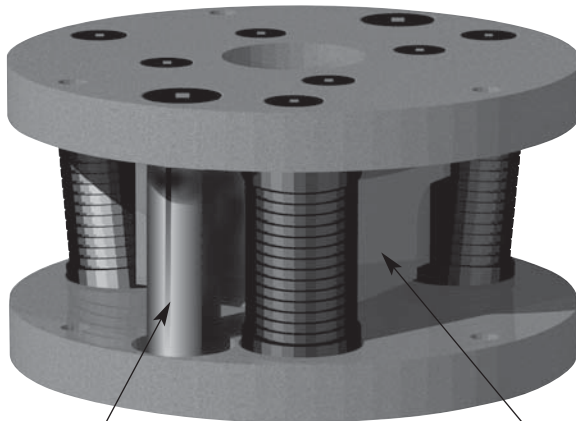
Pneumatic Specifications	Imperial	Metric
Pressure Operating Range	40-100 psi	3-7 bar
Cylinder Type	Double Acting	
Dynamic Seals	Internally Lubricated Buna-N	
Valve Required to Operate	4-way, 2-position	
<b>Air Quality Requirements</b>		
Air Filtration	40 Micron or Better	
Air Lubrication	Not Necessary*	
Air Humidity	Low Moisture Content (dry)	
<b>Temperature Operating Range</b>		
Buna-N Seals (standard)	-20°~180° F	-30°~80° C
<b>Maintenance Specifications†</b>		
Expected Life	5 million cycles	
Normal Application w/ Preventative Maintenance	10+ million cycles*	
Field Repairable	Yes	
Seal Repair Kits Available	Yes	

\*Addition of lubrication will greatly increase service life  
 †See Maintenance Section

# Product Features

**Quality Components**  
Anodized aluminum components  
Elements are cutting fluid and  
coolant resistant

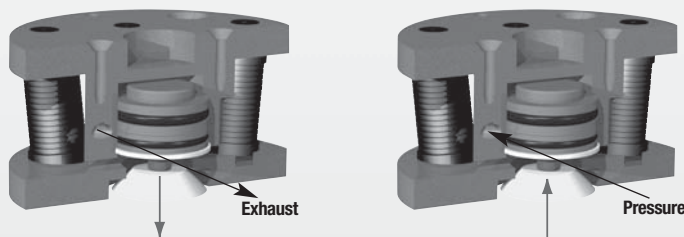
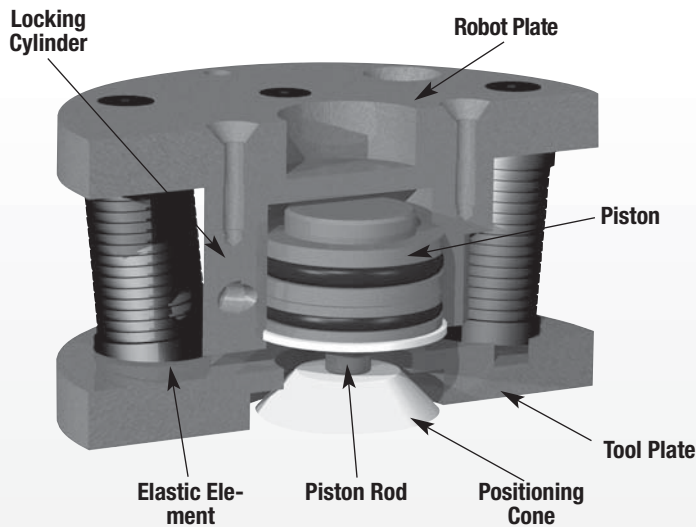
**Lifetime Lubrication**  
Life time cylinder and locking  
mechanism lubrication



**Overload Pins**  
Overload pins (sizes 80, 100 and 300)  
and anti-rotation device (sizes 160 and larger)

**Locking Cylinder**  
Locking cylinder (standard on 125 and  
larger) creates a rigid coupling between  
the robot and tool plates

## Operating Principle



- Two aluminum plates are connected by elastomeric elements which allow lateral, angular, and rotational movement between them.
- Larger units with locking cylinder allow the two plates to be rigidly connected to one another during acceleration or deceleration of the payload.

### Style -RCW Compliance Wrist

#### Size -50

<b>Style:</b>	RCW-50-3
<b>Max. Payload:</b>	2.4 lbs. 1.0 Kg
<b>Lateral Comp. (X/Y):</b>	0.118 in. 3 mm
<b>Weight:</b>	0.57 lbs. 0.26 Kg



See Page **6.60**

### Style -RCW Compliance Wrist

#### Size -80

<b>Style:</b>	RCW-80-3
<b>Max. Payload:</b>	5 lbs. 2.4 Kg
<b>Lateral Comp. (X/Y):</b>	0.118 in. 3 mm
<b>Weight:</b>	0.57 lbs. 0.26 Kg



See Page **6.61**

### Style -RCW Compliance Wrist

#### Size -100

<b>Style:</b>	RCW-100-4,-6
<b>Max. Payload:</b>	8 lbs. 3.5 Kg
<b>Lateral Comp. (X/Y):</b>	0.118 in. 3 mm
<b>Weight:</b>	1.0 lbs. 0.4 Kg



See Page **6.62 & 6.63**

### Style -RCW Compliance Wrist

#### Size -125

<b>Style:</b>	RCW-125-6
<b>Max. Payload:</b>	15 lbs. 7 Kg
<b>Lateral Comp. (X/Y):</b>	0.079 in. 2 mm
<b>Weight:</b>	2.6 lbs. 1.2 Kg

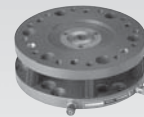


See Page **6.64**

### Style -RCW Compliance Wrist

#### Size -160

<b>Style:</b>	RCW-160-6,-8
<b>Max. Payload:</b>	40 lbs. 18 Kg
<b>Lateral Comp. (X/Y):</b>	0.079 in. 2 mm
<b>Weight:</b>	3.7 lbs. 1.7 Kg



See Page **6.65 & 6.66**

### Style -RCW Compliance Wrist

#### Size -200

<b>Style:</b>	RCW-200-12
<b>Max. Payload:</b>	115 lbs. 52 Kg
<b>Lateral Comp. (X/Y):</b>	0.118 in. 3 mm
<b>Weight:</b>	18.3 lbs. 8.3 Kg

See Page **6.67**

### Style -RCW Compliance Wrist

#### Size -300

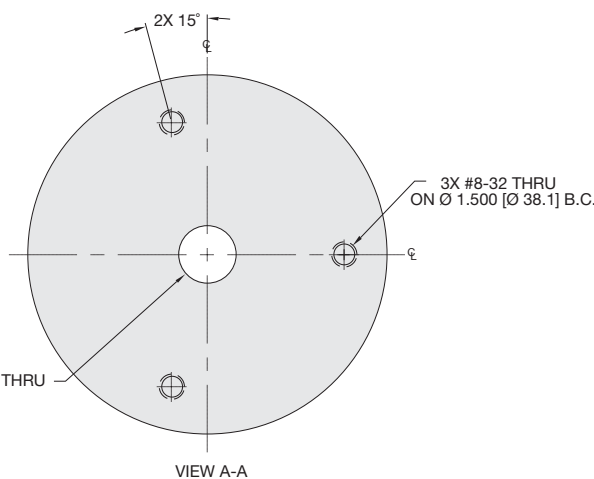
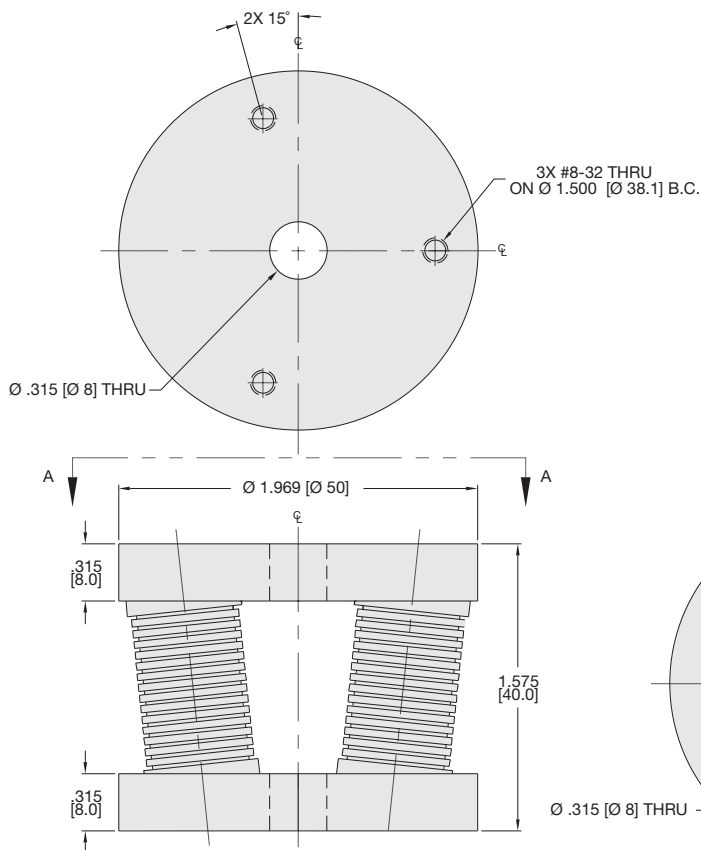
<b>Style:</b>	RCW-300-12
<b>Max. Payload:</b>	330 lbs. 150 Kg
<b>Lateral Comp. (X/Y):</b>	0.098 in. 2 mm
<b>Weight:</b>	12.8 lbs. 5.8 Kg

See Page **6.68**

### Specifications

### RCW-50-3

Maximum Payload .....	2.4 lbs	1.1 Kg
Misalignment Capability .....	±0.08 in.	±2 mm
Maximum Rotation .....	±2°	±2°
Weight .....	0.57 lbs.	0.26 Kg
Temperature Range .....	-20°~180° F	-30°~80° C



### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

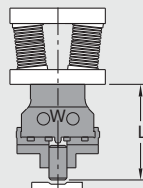
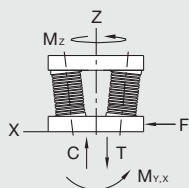
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	<b>Imperial in.</b> 0.00 = ±.01 0.000 = ±.005 0.0000 = ±.0005	<b>Metric [mm]</b> [0.] = [±.25] [0.0] = [±.13] [0.00] = [±.013]
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RCW SERIES

6.60

## Loading Information

## How to Order:



BASIC MODEL

**RCW-50-3**

### Loading Capacity

	Imperial	Metric
Maximum Force <b>F</b>	18 lbs.	80 N
Maximum Tension <b>T</b>	90 lbs.	400 N
Maximum Compressive <b>C</b>	90 lbs.	400 N
Maximum Moment <b>M<sub>x</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>y</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>z</sub></b>	177 in.-lbs.	20 Nm
Maximum Payload <b>W</b>	2.4 lbs.	1.1 Kg

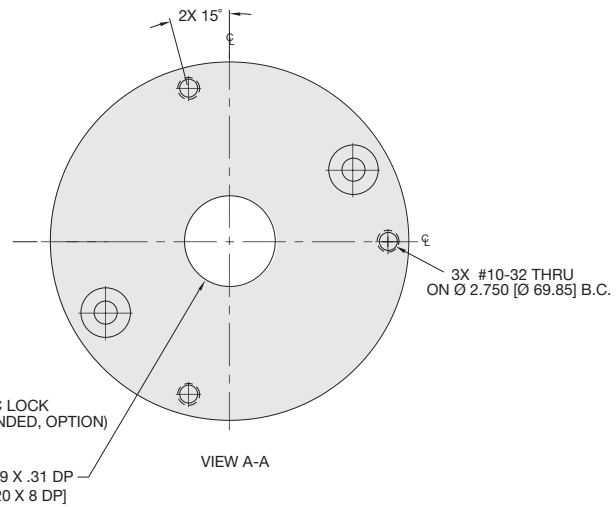
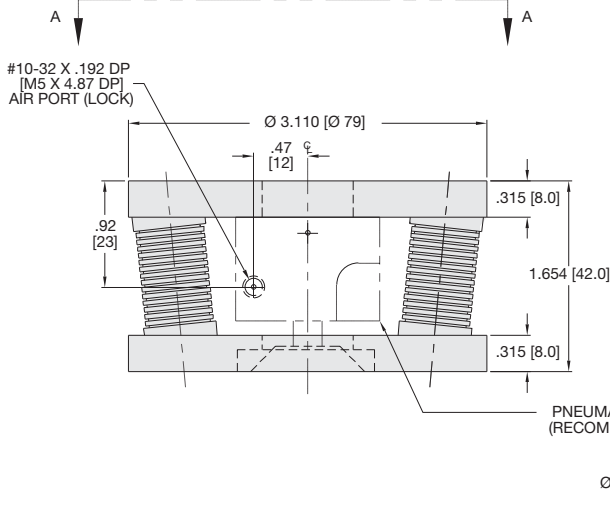
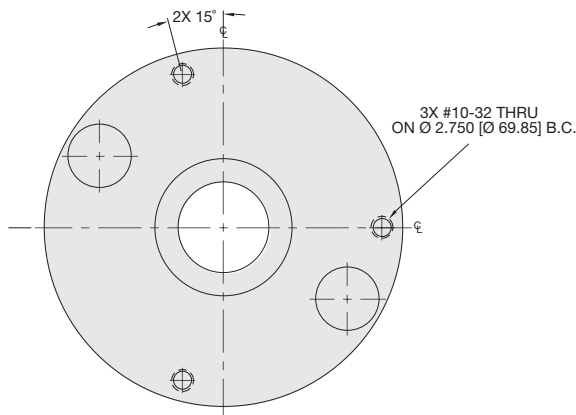
### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	157 in.-lbs/deg	17 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	228 lbf/in	40 N/mm
Axial Stiffness (compression <b>Z</b> axis)	9136 lbf/in	1600 N/mm
Insertion Point <b>L Max</b>	2 in.	50 mm

### Specifications

### RCW-80-3

Maximum Payload .....	5 lbs	2.4 Kg
Misalignment Capability .....	±0.118 in.	±3 mm
Maximum Rotation .....	±2°	±2°
Weight .....	0.57 lbs.	0.26 Kg
Pressure Range (locked cylinder) ..	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar] ..	50 lbs	222 N
Valve required to actuate .....	4-way, 2-position	

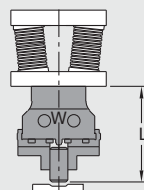
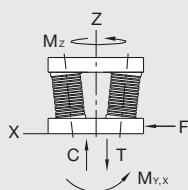


### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	<b>Imperial in.</b> 0.00 = ±.01 0.000 = ±.005 0.0000 = ±.0005	<b>Metric [mm]</b> [0.] = [±.25] [0.0] = [±.13] [0.00] = [±.013]
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## Loading Information

## How to Order:



BASIC MODEL

PNEUMATIC LOCKING

**RCW-80-3 - OV - L**

OVERLOAD PINS

### Loading Capacity†

	Imperial	Metric
Maximum Force <b>F</b>	18 lbs.	80 N
Maximum Tension <b>T</b>	90 lbs.	400 N
Maximum Compressive <b>C</b>	90 lbs.	400 N
Maximum Moment <b>M<sub>x</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>y</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>z</sub></b>	177 in.-lbs.	20 Nm
Maximum Payload <b>W</b>	5 lbs.	2.4 Kg

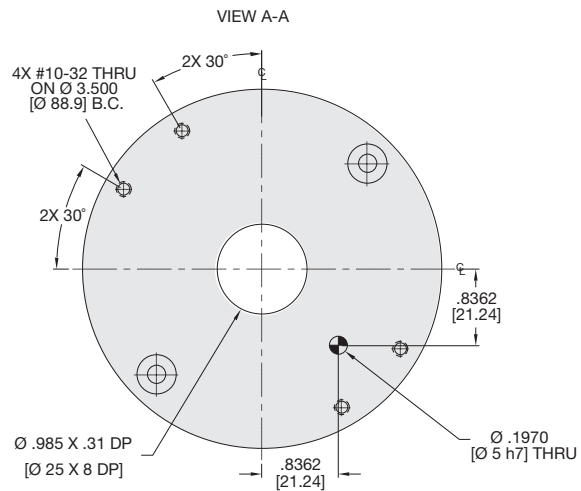
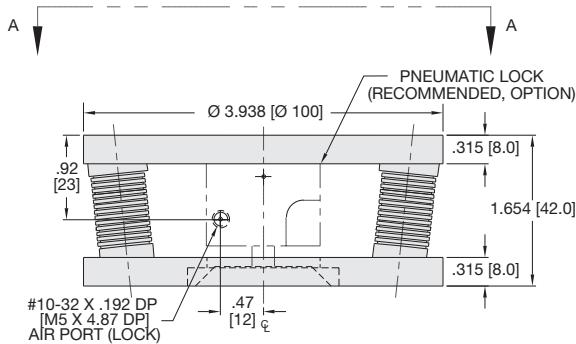
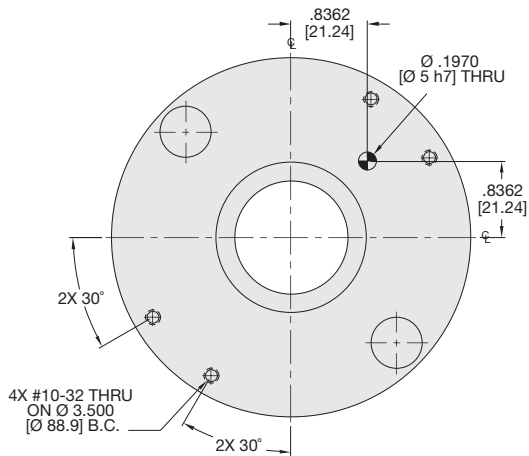
### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	248 in.-lbs/deg	28 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	228 lbf/in	40 N/mm
Axial Stiffness (compression <b>Z</b> axis)	9136 lbf/in	1600 N/mm
Insertion Point <b>L Max</b>	4 in.	100 mm

### Specifications

### RCW-100-4

Maximum Payload .....	8 lbs	3.5 Kg
Misalignment Capability .....	±0.118 in.	±3 mm
Maximum Rotation .....	±2°	±2°
Weight .....	1.0 lbs.	0.4 Kg
Pressure Range (locked cylinder) ...	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar]...	80 lbs	355 N
Valve required to actuate .....	4-way, 2-position	



### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

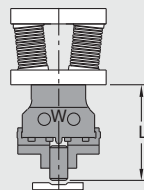
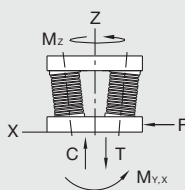
Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	<b>Imperial in.</b> 0.00 = ±.01 0.000 = ±.005 0.0000 = ±.0005	<b>Metric [mm]</b> [0.] = [±.25] [0.0] = [±.13] [0.00] = [±.013]
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RCW SERIES

6.62

## Loading Information

## How to Order:



BASIC MODEL

PNEUMATIC LOCKING

**RCW-100-4 -OV- L**

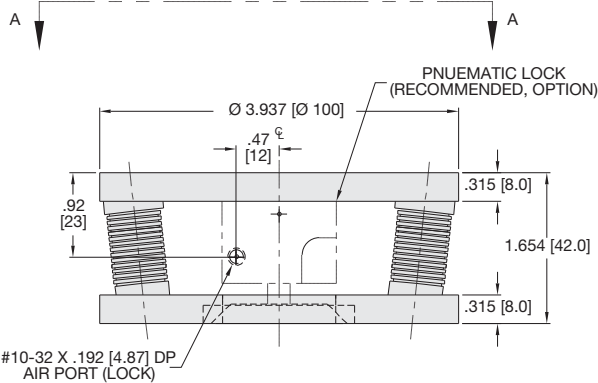
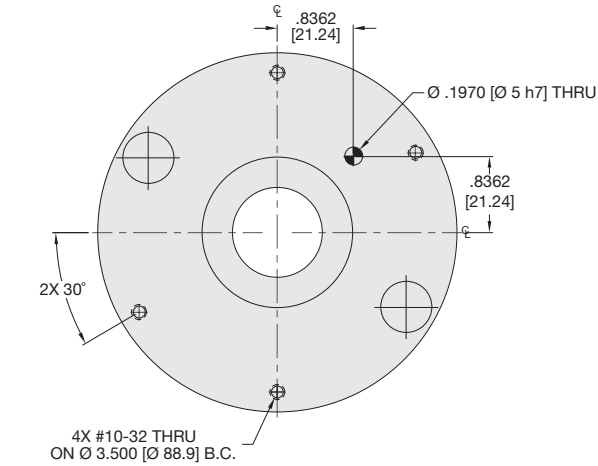
OVERLOAD PINS

### Loading Capacity†

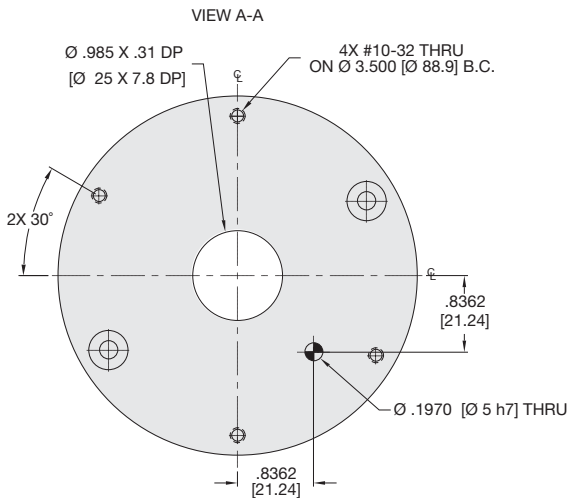
	Imperial	Metric
Maximum Force <b>F</b>	34 lbs.	150 N
Maximum Tension <b>T</b>	124 lbs.	550 N
Maximum Compressive <b>C</b>	124 lbs.	550 N
Maximum Moment <b>M<sub>x</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>y</sub></b>	177 in.-lbs.	20 Nm
Maximum Moment <b>M<sub>z</sub></b>	177 in.-lbs.	20 Nm
Maximum Payload <b>W</b>	8 lbs.	3.5 Kg

### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	412 in.-lbs/deg	46 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	286 lbf/in	50 N/mm
Axial Stiffness (compression <b>Z</b> axis)	11991 lbf/in	2100 N/mm
Insertion Point <b>L Max</b>	6 in.	150 mm



Specifications	RCW-100-6	
Maximum Payload .....	8 lbs	3.5 Kg
Misalignment Capability .....	±0.118 in.	±3 mm
Maximum Rotation .....	±2°	±2°
Weight .....	1.0 lbs.	0.4 Kg
Pressure Range (locked cylinder) .....	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar] .....	80 lbs	355 N
Valve required to actuate .....	4-way, 2-position	



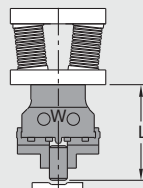
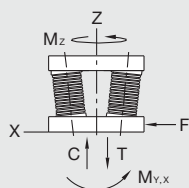
**UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW**

Symbol	Imperial in.	Metric [mm]
	0.00 = ± .01	[0.] = [± .25]
	0.000 = ± .005	[0.0] = [± .13]
	0.0000 = ± .0005	[0.00] = [± .013]

Dimensions are symmetrical about centerline  
 Third Angle Projection  
 All Dowel Holes are SF (Slip Fit).  
 Local Tolerance ±.0005" or [±.013mm]  
 Metric Threads Course Pitch

## Loading Information

## How to Order:



BASIC MODEL      PNEUMATIC LOCKING

**RCW-100-6 - OV - L**

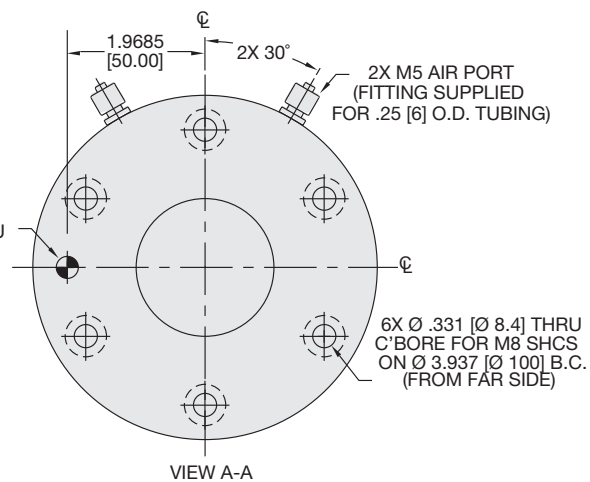
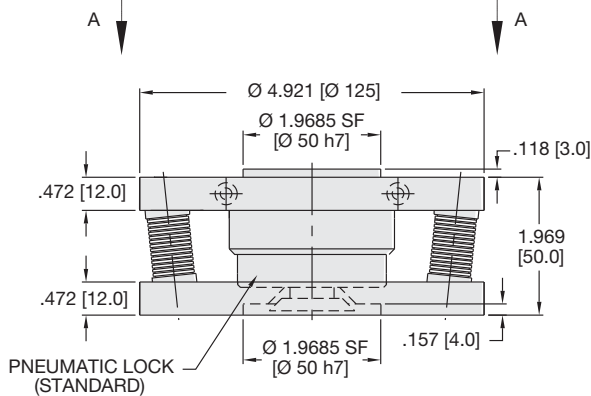
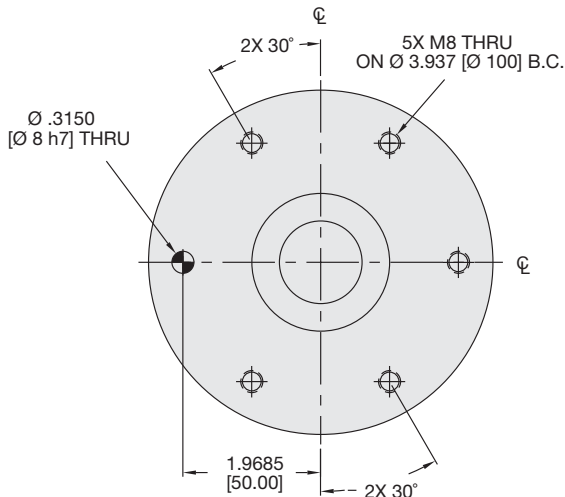
OVERLOAD PINS

### Loading Capacity†

	Imperial	Metric
Maximum Force <b>F</b>	55 lbs.	240 N
Maximum Tension <b>T</b>	180 lbs.	800 N
Maximum Compressive <b>C</b>	180 lbs.	800 N
Maximum Moment <b>M<sub>x</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>y</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>z</sub></b>	265 in.-lbs.	30 Nm
Maximum Payload <b>W</b>	8 lbs.	3.5 Kg

### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	628 in.-lbs/deg	71 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	457 lbf/in	80 N/mm
Axial Stiffness (compression <b>Z</b> axis)	18275 lbf/in	3200 N/mm
Insertion Point <b>L Max</b>	6 in.	150 mm



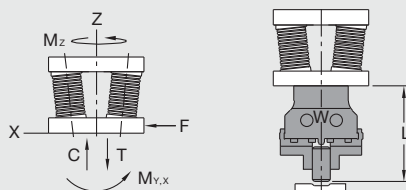
Specifications	RCW-125-6	
Maximum Payload .....	15 lbs	7 Kg
Misalignment Capability .....	±0.079 in.	±2 mm
Maximum Rotation .....	±1°	±1°
Weight .....	2.6 lbs.	1.2 Kg
Pressure Range (locked cylinder) .....	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar] .....	135 lbs	600 N
Valve required to actuate .....	4-way, 2-position	

### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

Symbol	Imperial in.	Metric [mm]
☉	0.00 = ±.01	[0.] = [±.25]
☉	0.000 = ±.005	[0.0] = [±.13]
☉	0.0000 = ±.0005	[0.00] = [±.013]
☉	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	
☉	Metric Threads Course Pitch	
☉	Dimensions are symmetrical about centerline	
☉	Third Angle Projection	

## Loading Information

## How to Order:



### BASIC MODEL

**RCW-125-6**

### Loading Capacity†

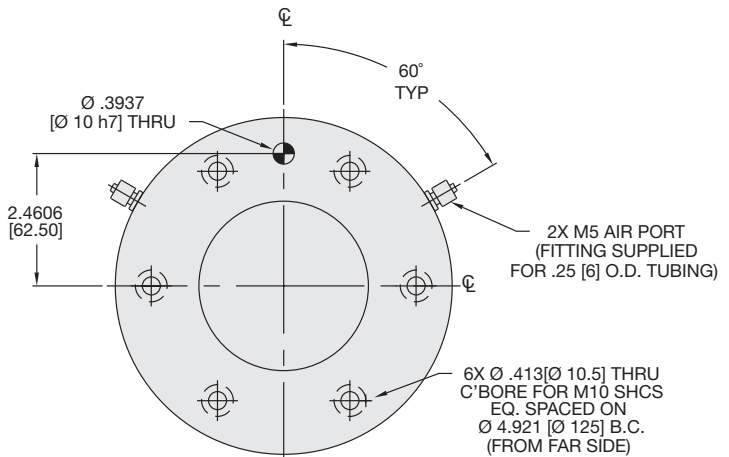
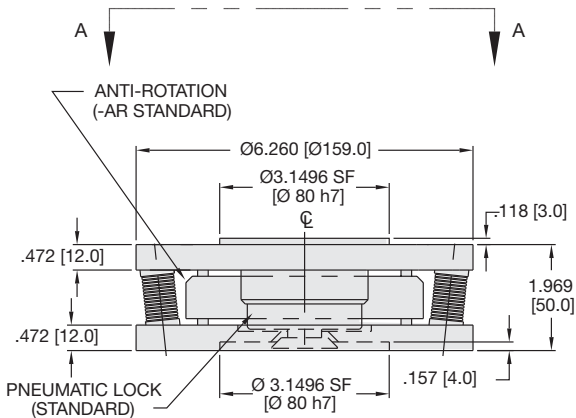
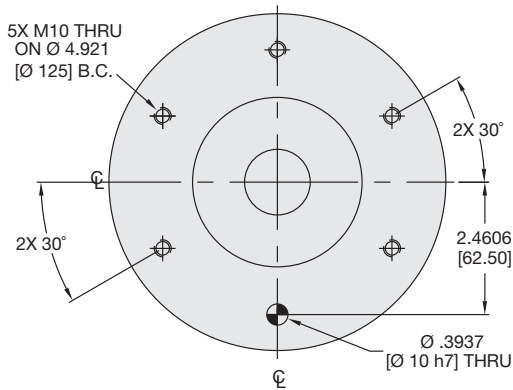
	Imperial	Metric
Maximum Force <b>F</b>	36 lbs.	160 N
Maximum Tension <b>T</b>	180 lbs.	800 N
Maximum Compressive <b>C</b>	180 lbs.	800 N
Maximum Moment <b>M<sub>x</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>y</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>z</sub></b>	265 in.-lbs.	30 Nm
Maximum Payload <b>W</b>	15 lbs.	7 Kg

### PNEUMATIC ACCESSORIES

	ORDER #	QTY/UNIT
Standard Seal Repair Kit	<b>SLKT-227</b>	<b>1</b>

### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	785 in.-lbs/deg	88 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	457 lbf/in	80 N/mm
Axial Stiffness (compression <b>Z</b> axis)	18275 lbf/in	3200 N/mm
Insertion Point <b>L Max</b>	8 in.	200 mm



VIEW A-A

### Specifications

### RCW-160-6

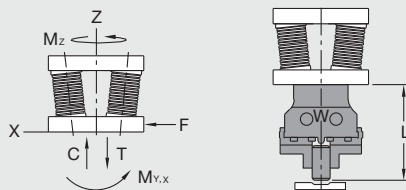
Maximum Payload .....	40 lbs	18 Kg
Misalignment Capability .....	±0.079 in.	±2 mm
Maximum Rotation .....	±1°	±1°
Weight .....	3.7 lbs.	1.7 Kg
Pressure Range (locked cylinder) .....	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar] .....	110 lbs	489 N
Valve required to actuate .....	4-way, 2-position	

### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]	Metric Threads Course Pitch	<b>Imperial in.</b> 0.00 = ±.01 0.000 = ±.005 0.0000 = ±.0005	<b>Metric [mm]</b> [0.] = [±.25] [0.0] = [±.13] [0.00] = [±.013]
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## Loading Information

## How to Order:



BASIC MODEL    ANTI-ROTATION

**RCW-160-6 - AR**

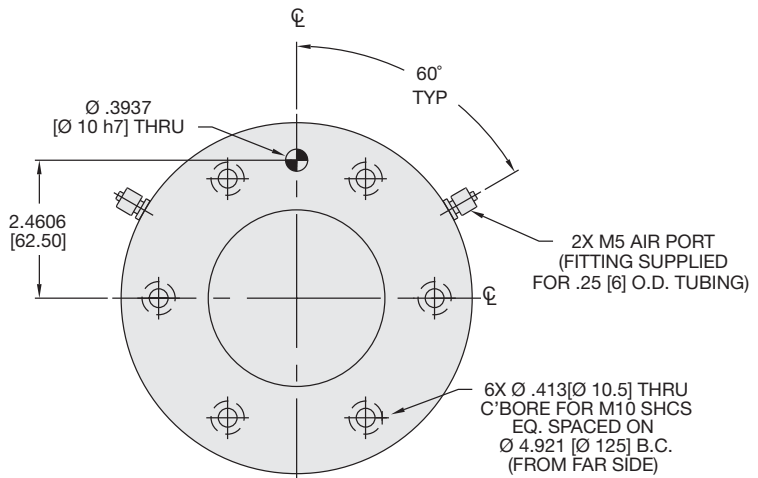
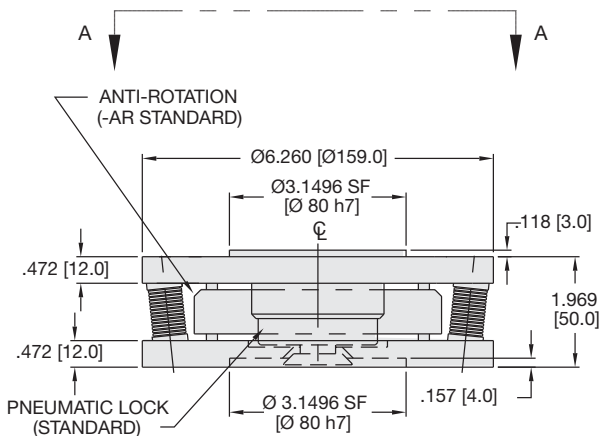
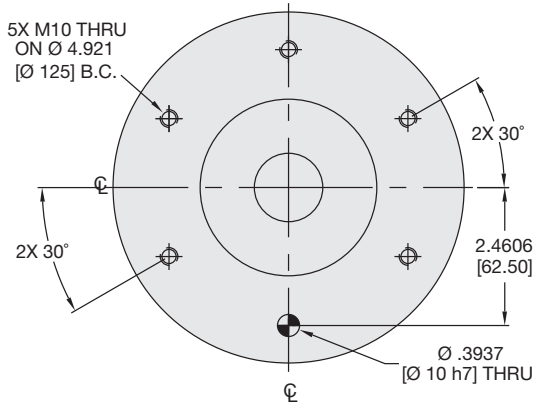
### Loading Capacity<sup>†</sup>

	Imperial	Metric
Maximum Force <b>F</b>	36 lbs.	160 N
Maximum Tension <b>T</b>	180 lbs.	800 N
Maximum Compressive <b>C</b>	180 lbs.	800 N
Maximum Moment <b>M<sub>x</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>y</sub></b>	265 in.-lbs.	30 Nm
Maximum Moment <b>M<sub>z</sub></b>	265 in.-lbs.	30 Nm
Maximum Payload <b>W</b>	40 lbs.	18 Kg

### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	998 in.-lbs/deg	113 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	457 lbf/in	80 N/mm
Axial Stiffness (compression <b>Z</b> axis)	18275 lbf/in	3200 N/mm
Insertion Point <b>L Max</b>	12 in.	300 mm





VIEW A-A

Specifications	RCW-160-8	
Maximum Payload .....	40 lbs	18 Kg
Misalignment Capability .....	±0.079 in.	±2 mm
Maximum Rotation .....	±1°	±1°
Weight .....	3.7 lbs.	1.7 Kg
Pressure Range (locked cylinder) .....	40-100 psi	3-7 bar
Temperature Range .....	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar] .....	110 lbs	489 N
Valve required to actuate .....	4-way, 2-position	

**UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW**

Symbol	Imperial in.	Metric [mm]
⌀	0.00 ± .01	[0.] = [±.25]
⌀	0.000 ± .005	[0.0] = [±.13]
⌀	0.0000 ± .0005	[0.00] = [±.013]
⌀		
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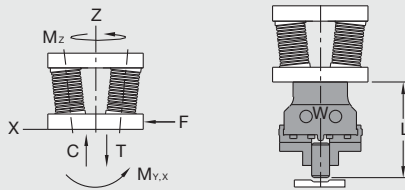
⌀ Dimensions are symmetrical about centerline  
 ⌀ Third Angle Projection  
 ⌀ All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]  
 ⌀ Metric Threads Course Pitch

RCW SERIES

6.66

## Loading Information

## How to Order:



BASIC MODEL ANTI-ROTATION

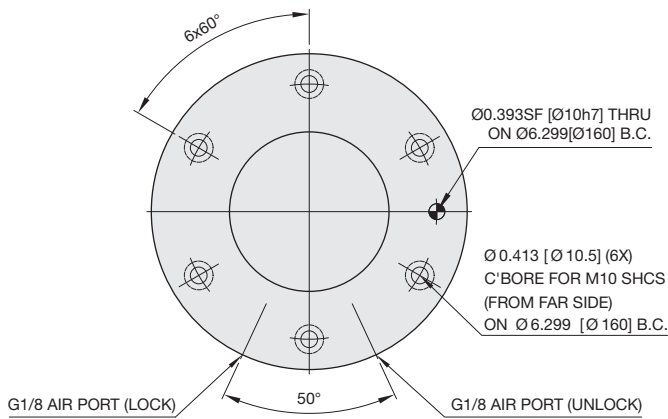
**RCW-160-8 - AR**

### Loading Capacity†

	Imperial	Metric
Maximum Force <b>F</b>	45 lbs.	200 N
Maximum Tension <b>T</b>	225 lbs.	1001 N
Maximum Compressive <b>C</b>	225 lbs.	1001 N
Maximum Moment <b>M<sub>x</sub></b>	708 in.-lbs.	80 Nm
Maximum Moment <b>M<sub>y</sub></b>	708 in.-lbs.	80 Nm
Maximum Moment <b>M<sub>z</sub></b>	708 in.-lbs.	80 Nm
Maximum Payload <b>W</b>	40 lbs.	18 Kg

### Stiffness Information

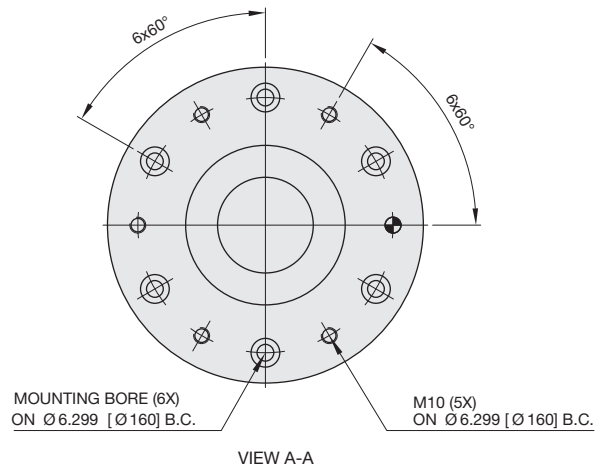
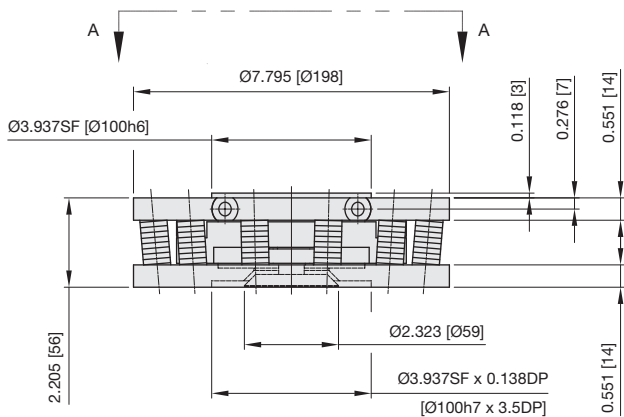
	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	1310 in-lbs/deg	148 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	570 lbf/in	100 N/mm
Axial Stiffness (compression <b>Z</b> axis)	23985 lbf/in	4200 N/mm
Insertion Point <b>L Max</b>	12 in.	300 mm



### Specifications

### RCW-200-12

Maximum Payload .....	115 lbs	52 Kg
Misalignment Capability .....	$\pm 0.118$ in.	$\pm 3$ mm
Maximum Rotation .....	$\pm 1^\circ$	$\pm 1^\circ$
Weight .....	18.3 lbs.	8.3 Kg
Pressure Range (locked cylinder) .....	40-100 psi	3-7 bar
Temperature Range .....	$-20^\circ \sim 180^\circ$ F	$-30^\circ \sim 80^\circ$ C
Locking Force @ 80 PSI [5.5 bar] .....	400 lbs	1779 N
Valve required to actuate .....	4-way, 2-position	

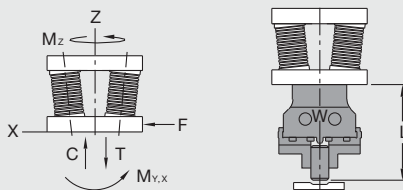


### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

Dimensions are symmetrical about centerline	Third Angle Projection	All Dowel Holes are SF (Slip Fit). Locational Tolerance $\pm 0.005"$ or $\pm 0.13\text{mm}$	Metric Threads Course Pitch	<b>Imperial in.</b> 0.00 = $\pm 0.01$ 0.000 = $\pm 0.005$ 0.0000 = $\pm 0.0005$	<b>Metric [mm]</b> [0.] = $\pm .25$ [0.0] = $\pm .13$ [0.00] = $\pm .013$
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## Loading Information

## How to Order:



BASIC MODEL

ANTI-ROTATION

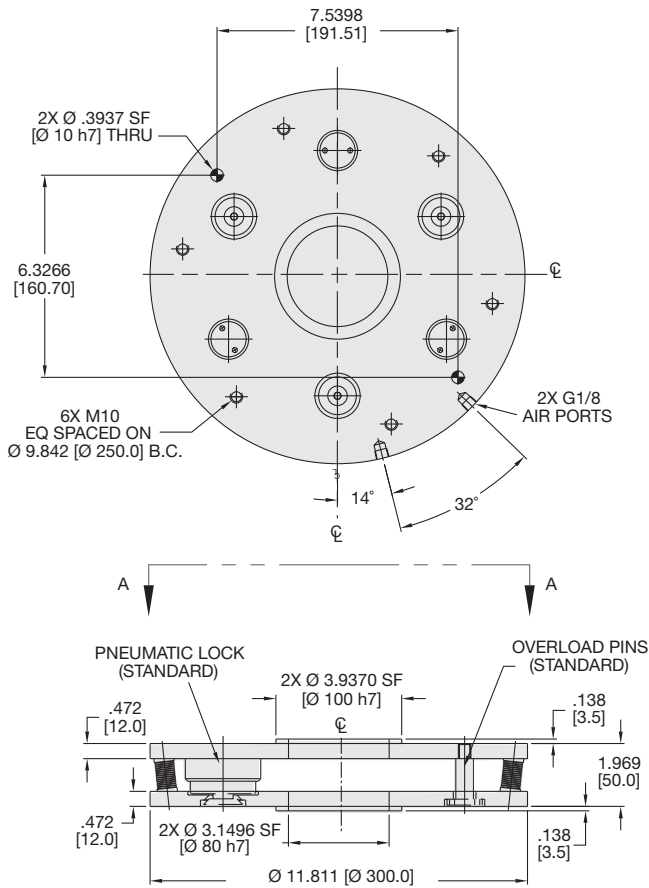
**RCW-200-12 - AR**

### Loading Capacity†

	Imperial	Metric
Maximum Force <b>F</b>	68 lbs.	300 N
Maximum Tension <b>T</b>	450 lbs.	2000 N
Maximum Compressive <b>C</b>	450 lbs.	2000 N
Maximum Moment <b>M<sub>x</sub></b>	709 in.-lbs.	80 Nm
Maximum Moment <b>M<sub>y</sub></b>	709 in.-lbs.	80 Nm
Maximum Moment <b>M<sub>z</sub></b>	709 in.-lbs.	80 Nm
Maximum Payload <b>W</b>	115 lbs.	52 Kg

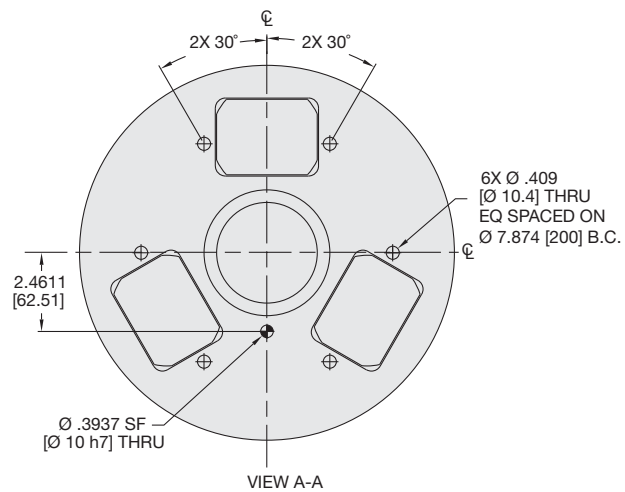
### Stiffness Information

	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	1632 in.-lbs/deg	184 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	570 lbf/in	100 N/mm
Axial Stiffness (compression <b>Z</b> axis)	36544 lbf/in	6400 N/mm
Insertion Point <b>L Max</b>	16 in.	400 mm



### Specifications

	RCW-300-12	
Maximum Payload	330 lbs	150 Kg
Misalignment Capability	±0.098 in.	±2.5 mm
Maximum Rotation	±1°	±1°
Weight	12.8 lbs.	5.8 Kg
Pressure Range (locked cylinder)	40-100 psi	3-7 bar
Temperature Range	-20°~180° F	-30°~80° C
Locking Force @ 80 PSI [5.5 bar]	400 lbs	1779 N
Valve required to actuate	4-way, 2-position	



### UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

Symbol	Imperial in.	Metric [mm]
⌀	0.00 = ±.01	[0.] = [±.25]
⌀	0.000 = ±.005	[0.0] = [±.13]
⌀	0.0000 = ±.0005	[0.00] = [±.013]
⌀		
⌀		
⌀		

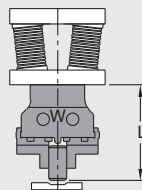
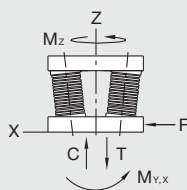
⌀ Dimensions are symmetrical about centerline  
 Third Angle Projection  
 All Dowel Holes are SF (Slip Fit). Locational Tolerance ±.0005" or [±.013mm]  
 Metric Threads Course Pitch

RCW SERIES

6.68

## Loading Information

## How to Order:



BASIC MODEL

**RCW-300-12**

### Loading Capacity†

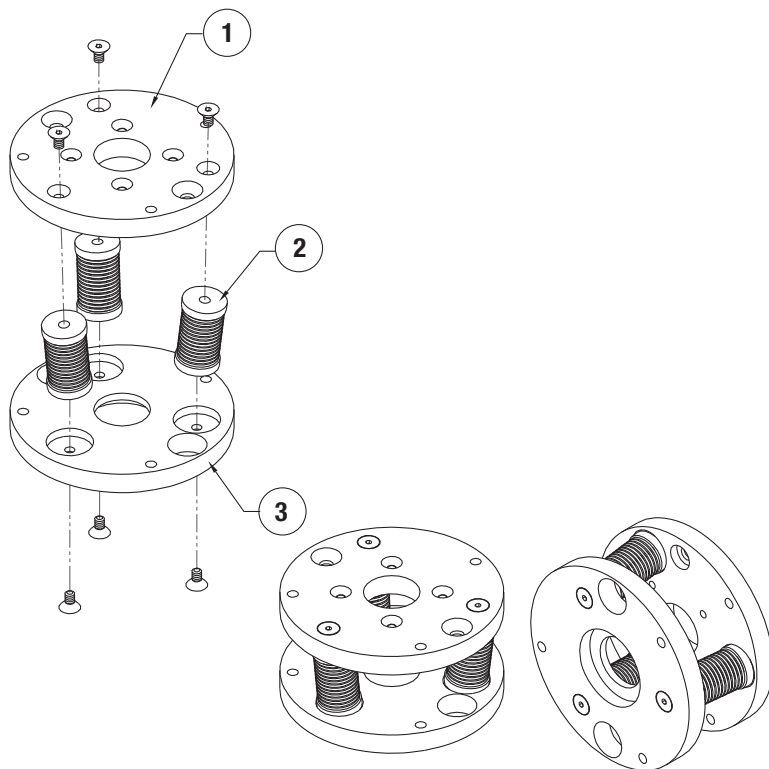
	Imperial	Metric
Maximum Force <b>F</b>	90 lbs.	400 N
Maximum Tension <b>T</b>	450 lbs.	2000 N
Maximum Compressive <b>C</b>	450 lbs.	2000 N
Maximum Moment <b>M<sub>x</sub></b>	880 in.-lbs.	100 Nm
Maximum Moment <b>M<sub>y</sub></b>	880 in.-lbs.	100 Nm
Maximum Moment <b>M<sub>z</sub></b>	880 in.-lbs.	100 Nm
Maximum Payload <b>W</b>	330 lbs.	150 Kg

### PNEUMATIC ACCESSORIES

	ORDER #	QTY/UNIT
Standard Seal Repair Kit	<b>SLKT-226</b>	<b>3</b>

### Stiffness Information

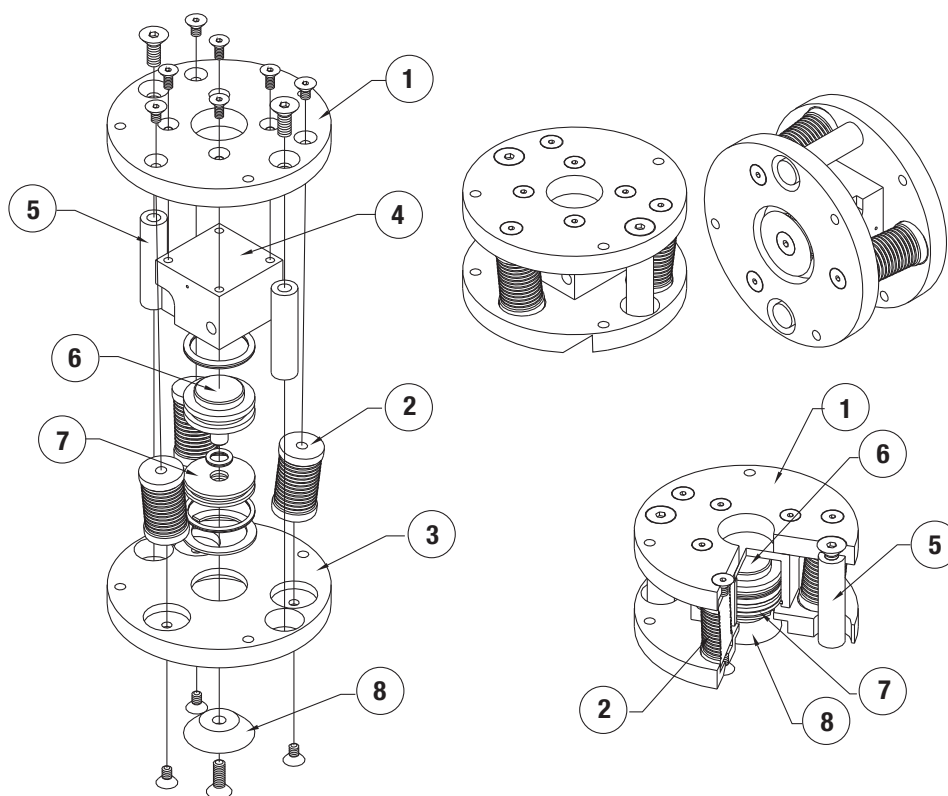
	Imperial	Metric
Torsional Stiffness about <b>Z</b> axis	3742 in.-lbs/deg	422 N-m/deg
Lateral Stiffness ( <b>X</b> and <b>Y</b> axis)	915 lbf/in	160 N/mm
Axial Stiffness (compression <b>Z</b> axis)	36545 lbf/in	6400 N/mm
Insertion Point <b>L Max</b>	24 in.	600 mm



Item	Qty	Name
01	1	Top Plate
02	x	Flexible Element
03	1	Bottom Plate
04	1	Locking Cylinder
05	1	Overload Pin
06	1	Piston
07	1	Cap
08	1	Centering Cone

**NOTE:** Contact the Robohand Sales Department for a complete spare parts list with order numbers and prices.

**SK Seal Repair Kit Order #'s See Product Data Sheets**



RCW SERIES  
6.69

<p>SK Seal Kit Items</p>	<p>THREAD LOCKER Thread Locker</p>	<p>KRYTOX Krytox™ Lubricant</p>	<p>O Lightweight Machine Oil</p>	<p>G Teflon™ Based Grease</p>	<p>GLUE Super Bonder</p>	<p>Third Angle Projection</p>
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