

RHC SERIES

Automatic Tool Changers | Features and Benefits

Durable Components Self Lubricating Seals Locking components Self lubricating dynamic seals are made from hardened bearing & tool steels **Quality Materials** Each body is made of lightweight **Pneumatic Ports** 7075-T6 aircraft quality aluminum User pneumatic ports **Robot Side Tool Side** 0 . **Precision Cone Positioning** Machine tool proven mating conical coupling **Durable Finish Electrical Contacts Failsafe Operation** Bodies have hard-coat (Sold Separately-Failsafe locking spring anodize 60RC with See "How to Order" keeps units coupled in Teflon[®] impregnation Section for more info) the event of pressure loss

Mounting Information



Robot Half Adaptor mounts with screws from behind or through the front and locates with dowel pins for accuracy.



Tool Half Adaptor

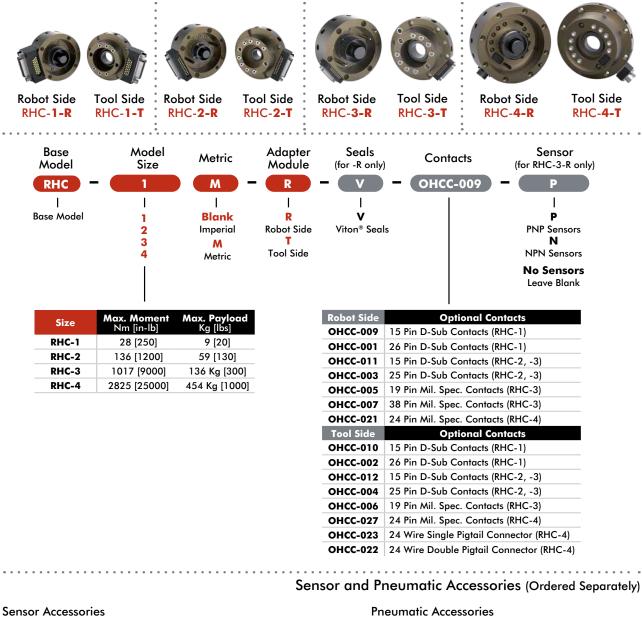
mounts payload with screws from behind or through the front and locates with dowel pins for accuracy. Protect cone surfaces from debris to insure proper positioning.





RHC SERIES

Automatic Tool Changers | Ordering Information



Sensor Accessories		Pheumatic Accessories			
Replacement Sensor Mounting Kit (RHC-3-R)	SLKT-028	Standard Seal Repair Kit (RHC-1-R)			
Replacement Locked Position NPN Inductive	SLKT-028V	Viton Seal Repair Kit (RHC-1-R)			
Sensor with Hard Wired Cable (RHC-3-R)	SLKT-029	Standard Seal Repair Kit (RHC-2-R)			
Replacement Locked Position NPN Inductive	SLKT-029V	Viton Seal Repair Kit (RHC-2-R)			
Sensor with Hard Wired Cable (RHC-3-R)	SLKT-030	Standard Seal Repair Kit (RHC-3-R)			
Replacement Sensor Mounting Kit (RHC-4-R)	SLKT-030V	Viton Seal Repair Kit (RHC-3-R)			
Replacement Locked Position NPN Inductive Sensor	SLKT-031	Standard Seal Repair Kit (RHC-4-R)			
with Hard Wired Cable (RHC-4-R)	SLKT-031V	Viton Seal Repair Kit (RHC-4-R)			
Replacement Locked Position PNP Inductive Sensor					
with Hard Wired Cable (RHC-4-R)					
	Replacement Sensor Mounting Kit (RHC-3-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-3-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-3-R) Replacement Sensor Mounting Kit (RHC-4-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-4-R) Replacement Locked Position PNP Inductive Sensor	Replacement Sensor Mounting Kit (RHC-3-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-3-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-3-R) Replacement Sensor Mounting Kit (RHC-4-R) Replacement Locked Position NPN Inductive Sensor with Hard Wired Cable (RHC-4-R) Replacement Locked Position NPN Inductive Sensor Wired Cable (RHC-4-R) Replacement Locked Position NPN Inductive SensorSLKT-028 SLKT-029V SLKT-029V SLKT-030V SLKT-030V SLKT-031 SLKT-031V			



RHC-1-R (ROBOT SIDE)

Automatic Tool Changers | Technical Specifications | Dimensions

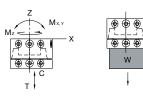


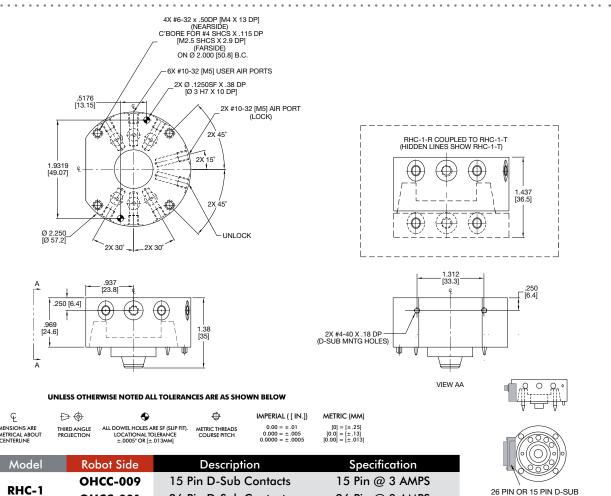
RHC-1-R Specification:

Max. Payload (W): 9 Kg [20 lbs] Weight: 0.18 Kg [0.41 lbs] Bore Ø: 19 mm [0.75 in] Displacement: 4.18 cm³ [0.255 in³]

Loading Capacity

Max. Tensile T: 890 N [200 lb] Max. Compressive C: 2224 N [500 lb] Max. Moment (Mx/My): 14 Nm [125 in-lb] Max. Moment (Mz): 28 Nm [250 in-lb]





26 Pin D-Sub Contacts

OHCC-001

26 PIN OR 15 PIN D-SUB ELECTRICAL CONTACTS

Dimensions and technical information are subject to change without notice

26 Pin @ 3 AMPS





RHC-1-T (TOOLING SIDE)

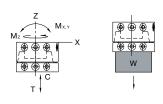
Automatic Tool Changers | Technical Specifications | Dimensions

RHC-1-T Specification:

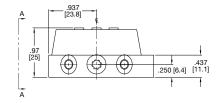
Max. Payload (**W**): 9 Kg [20 lbs] Weight: 0.09 Kg [0.22 lbs]

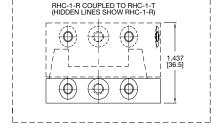
Loading Capacity

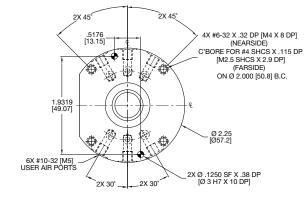
Max. Tensile T: 890 N [200 lb] Max. Compressive C: 2224 N [500 lb] Max. Moment (Mx/My): 14 Nm [125 in-lb] Max. Moment (Mz): 28 Nm [250 in-lb]

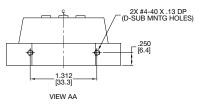












26 PIN OR 15 PIN D-SUB ELECTRICAL CONTACTS	UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW							
		E DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE	HIRD ANGLE PROJECTION	ALL DOWEL HOLES ARE SF (SLIP FIT). LOCATIONAL TOLERANCE ±.0005° OR [±.013MM]	METRIC THREADS COURSE PITCH	$\begin{array}{l} \text{IMPERIAL ([IN.])} \\ 0.00 = \pm .01 \\ 0.000 = \pm .005 \\ 0.0000 = \pm .0005 \end{array}$	METRIC (MM) [0] = [±.25] [0.0] = [±.13] [0.00] = [±.013]	
	Model	Tool Side	Side Description Specificati		on			
RHC		OHCC-010	15	15 Pin D-Sub Contacts		15 Pin @ 3 AMPS		
	KIIC-I	OHCC-002	26	Pin D-Sub Contac	ts	26 Pin @ 3 A	MPS	



RHC-2-R (ROBOT SIDE)

Automatic Tool Changers | Technical Specifications | Dimensions



OHCC-003

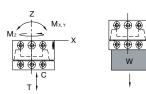
25 Pin D-Sub Contacts

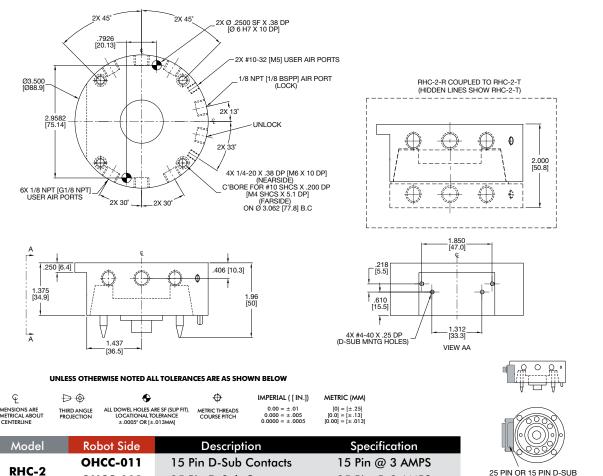
RHC-2-R Specification:

Max. Payload (**W**): 59 Kg [130 lbs] Weight: 0.44 Kg [0.99 lbs] Bore Ø: 28.57 mm [1.125 in] Displacement: 12.22 cm³ [0.746 in³]

Loading Capacity

Max. Tensile T: 3336 N [750 lb] Max. Compressive C: 6672 N [1500 lb] Max. Moment (Mx/My): 90 Nm [800 in-lb] Max. Moment (Mz): 136 Nm [1200 in-lb]

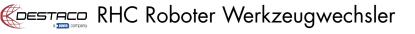




25 PIN OR 15 PIN D-SUB ELECTRICAL CONTACTS

Dimensions and technical information are subject to change without notice

25 Pin @ 3 AMPS





RHC-2-T (TOOLING SIDE)

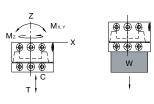
Automatic Tool Changers | Technical Specifications | Dimensions

RHC-2-T Specification:

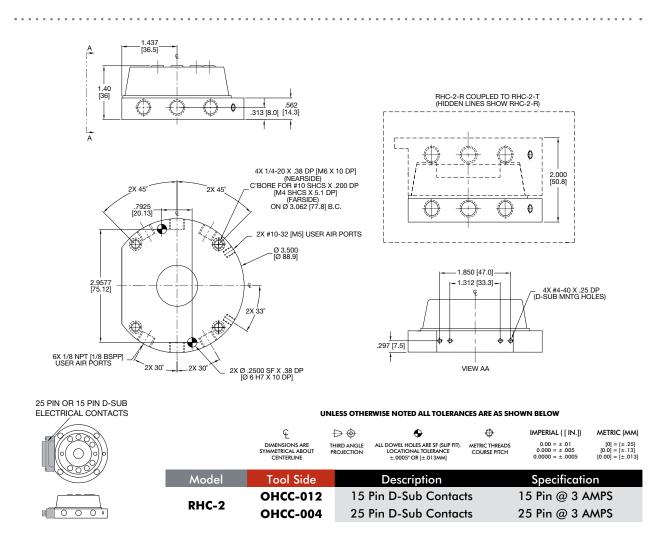
Max. Payload (W): 59 Kg [130 lbs] Weight: 0.37 Kg [0.82 lbs]

Loading Capacity

Max. Tensile T: 3336 N [750 lb] Max. Compressive C: 6672 N [1500 lb] Max. Moment (Mx/My): 90 Nm [800 in-lb] Max. Moment (Mz): 136 Nm [1200 in-lb]









RHC-3-R (ROBOT SIDE)

Automatic Tool Changers | Technical Specifications | Dimensions

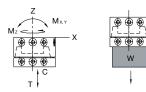


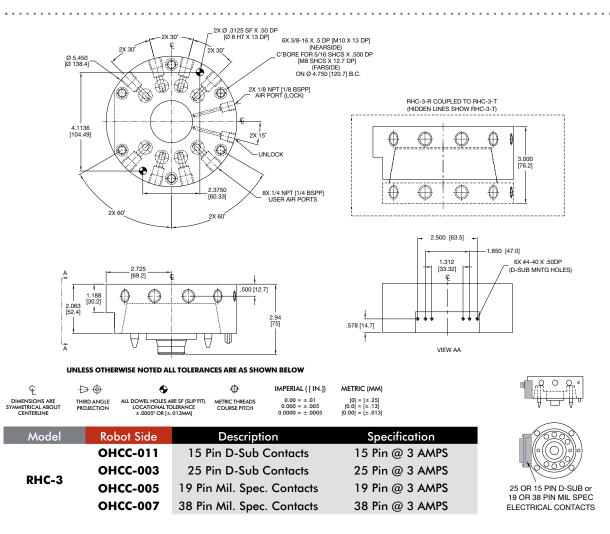
RHC-3-R Specification:

Max. Payload (**W**): 136 Kg [300 lbs] Weight: 1.79 Kg [3.95 lbs] Bore Ø: 44.45 mm [1.750 in] Displacement: 44.34 cm³ [2.706 in³]

Loading Capacity

Max. Tensile T: 8896 N [2000 lb] Max. Compressive C: 17793 N [4000 lb] Max. Moment (Mx/My): 678 Nm [6000 in-lb] Max. Moment (Mz): 1017 Nm [9000 in-lb]









RHC-3-T (TOOLING SIDE)

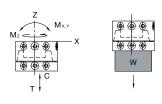
Automatic Tool Changers | Technical Specifications | Dimensions

RHC-3-T Specification:

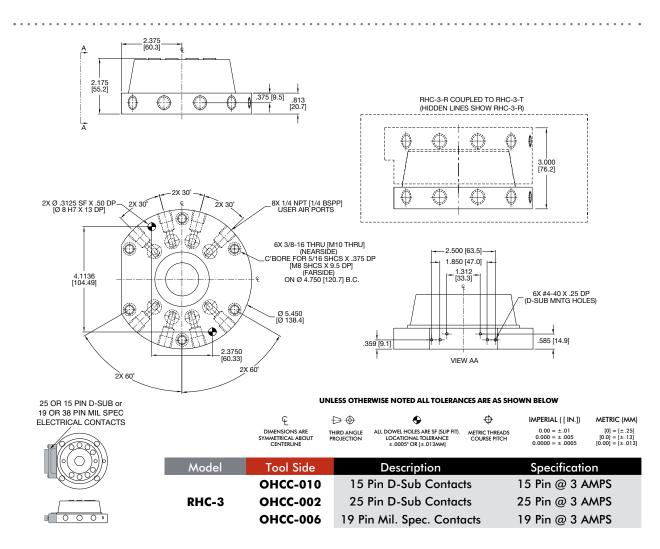
Max. Payload (**W**): 136 Kg [300 lbs] Weight: 1.29 Kg [2.85 lbs]

Loading Capacity

Max. Tensile T: 8896 N [2000 lb] Max. Compressive C: 17793 N [4000 lb] Max. Moment (Mx/My): 678 Nm [6000 in-lb] Max. Moment (Mz): 1017 Nm [9000 in-lb]









RHC-4-R (ROBOT SIDE)

Automatic Tool Changers | Technical Specifications | Dimensions

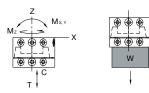


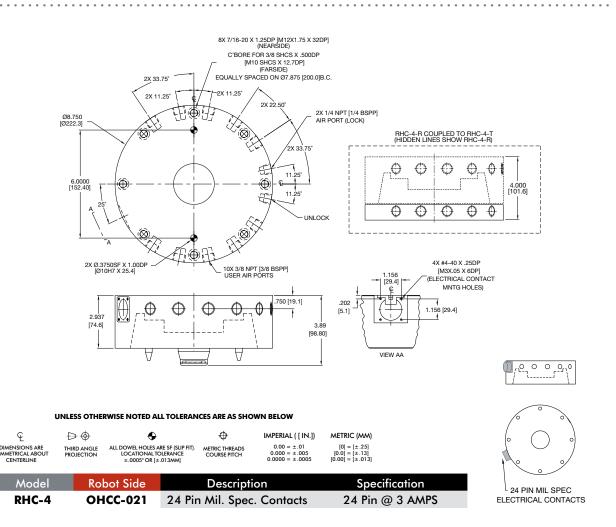
RHC-4-R Specification:

Max. Payload (**W**): 454 Kg [1000 lbs] Weight: 6.52 Kg [12.39 lbs] Bore Ø: 57.15 mm [2.250 in] Displacement: 85.52 cm³ [85.52 in³]

Loading Capacity

Max. Tensile T: 35586 N [8000 lb] Max. Compressive C: 71171 N [16000 lb] Max. Moment (Mx/My): 2825 Nm [25000 in-lb] Max. Moment (Mz): 2825 Nm [25000 in-lb]









RHC-4-T (TOOLING SIDE)

Automatic Tool Changers | Technical Specifications | Dimensions

RHC-4-T Specification:

Max. Payload (**W**): 454 Kg [1000 lbs] Weight: 4.35 Kg [9.61 lbs]

Loading Capacity

Max. Tensile T: 35586 N [8000 lb] Max. Compressive C: 71171 N [16000 lb] Max. Moment (Mx/My): 2825 Nm [25000 in-lb] Max. Moment (Mz): 2825 Nm [25000 in-lb]

