



BODYBUILDER™ END MOUNT ASSEMBLIES

BodyBuilder™ Octagonal Tooling | Dimensions | Technical Specifications

CL-90B-160F 90mm End Mount



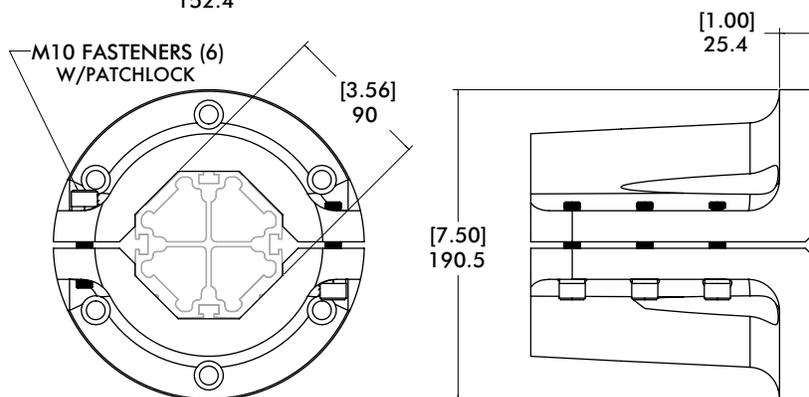
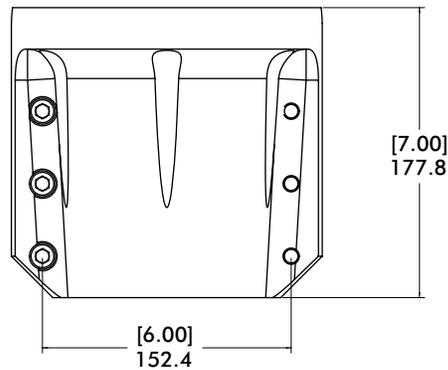
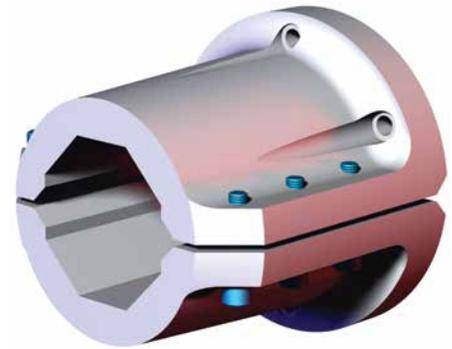
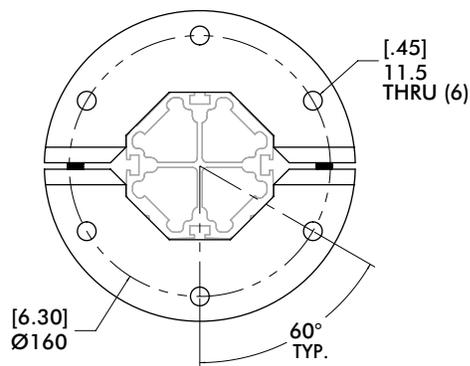
Specifications:

Max. Static Clamp Load:
746 Nm [550 ft-lb]

Material: Aluminum

Features:

- Can be used as direct robot interface.



Model Number	Weight
CPI-CL-90B-160F	5.91 kg [13.04 lb]

BODYBUILDER™ BAYONETS

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RDCF-60B 60mm BodyBuilder™ Bayonet

Features:

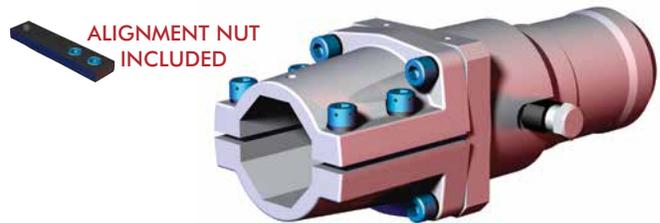
- Used in conjunction with Quick Disconnect Housing to provide an efficient method for changing tools manually.
- Two, hardened alignment pins allow quick and accurate installation into the housing.
- Optional 4-port air and electric available.

Specifications:

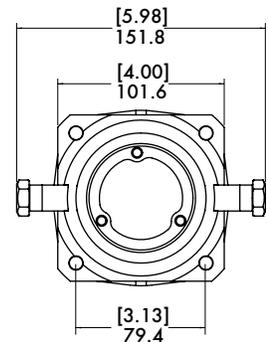
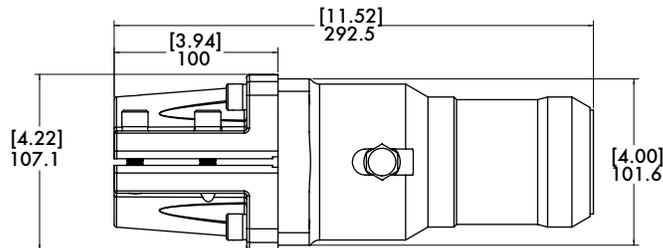
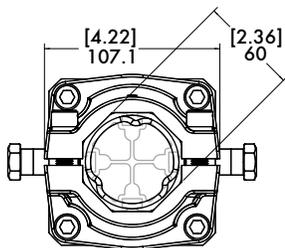
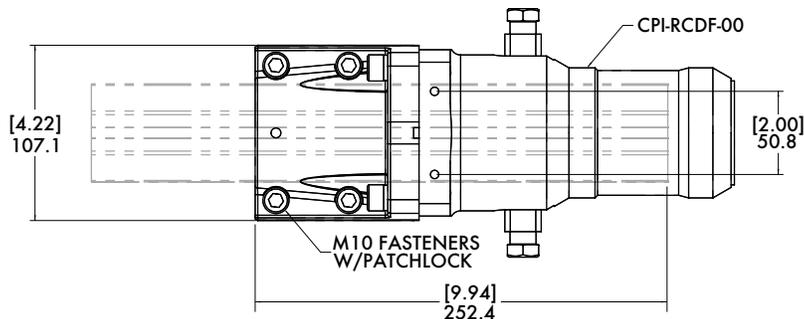
Max. Static Product Load:
746 Nm [550 ft-lb]
Material:
Body: Aluminum
Pins: Steel



Used in conjunction with Quick Disconnect Housing to provide an efficient method for changing tools manually.



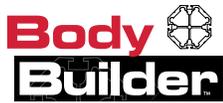
Optional 4-port air and electric connections available.



Model Number	Weight
CPI-RDCF-60B-00-00-X	3.16 kg [6.96 lb]

BODYBUILDER™ STRUCTURE END MOUNT ASSEMBLIES

BodyBuilder™ Octagonal Tooling | Dimensions | Technical Specifications



RDN-25-6 Manual Quick Disconnect Housing



Specifications:

Max. Static Product Load:
746 Nm [550 ft-lb]

Material:

Body: Aluminum
Knuckles: Brass
Handle and Hooks: Steel
Inserts: Urethane

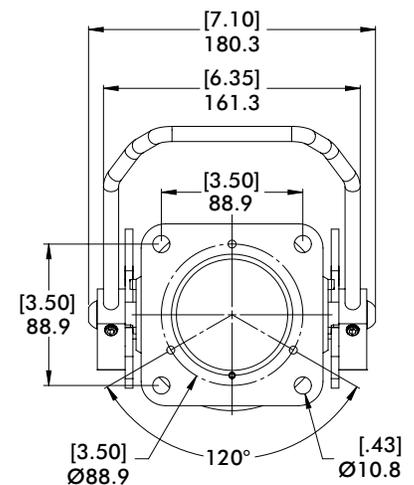
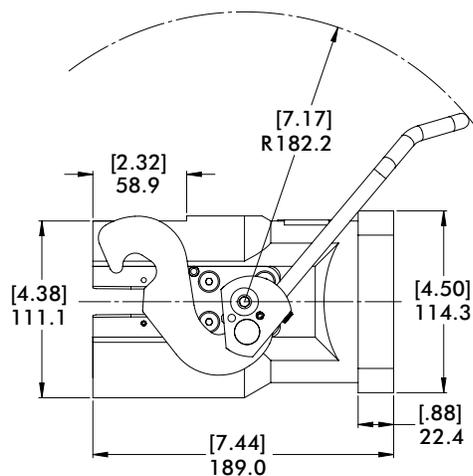
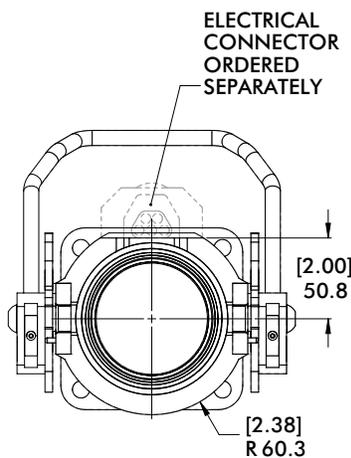
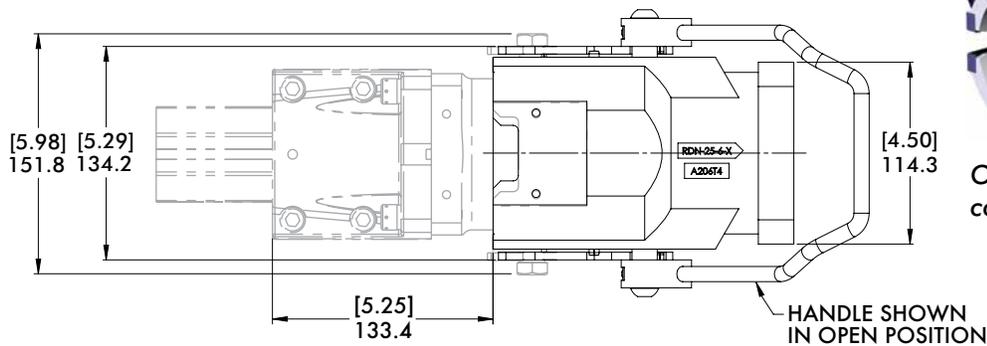
Features:

- Actuation of handle allows quick and accurate installation by pulling the bayonet into a fixed position within the housing.
- The internal rings eliminate vibration and seat the bayonet into a clamped position.
- Hardened steel retainer slots reduce wear and extend product life.

Used in conjunction with 60 mm BodyBuilder™ Bayonet to provide an efficient method for changing tools manually.



Optional 4-port air and electric connections available.



Model Number
CPI-RDN-25-6

Weight
4.00 kg [8.90 lb]

BODYBUILDER™ ALIGNMENT SYSTEM

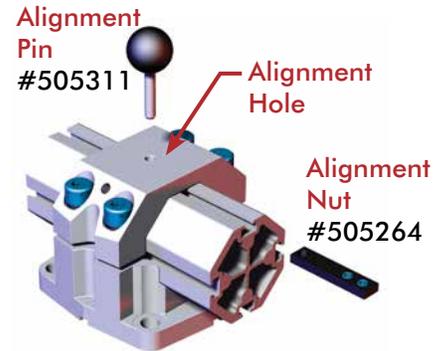


BodyBuilder™ Octagonal Tooling | Explaining the Patented Alignment System

BodyBuilder™ Robotic Tooling System offers a patented alignment system, ensuring that all BodyBuilder™ components can be adjusted to the original set-up position.

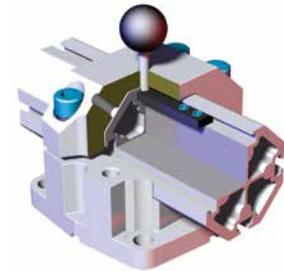
Once the BodyBuilder™ structure bracket mount is secured into place during set-up, insert the alignment nut into the octagonal boom channel groove.

Be sure the alignment nut is inserted so that when it is slid under the bracket mount, the set screws can still be accessed outside the bracket mount as shown.

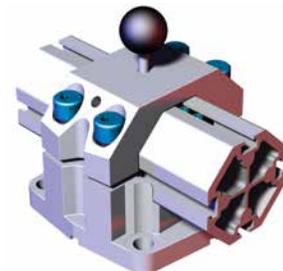


Slide the alignment nut along the boom groove and underneath the bracket mount until the hole in the block and the appropriate calibration hole in the bracket mount is aligned visual.

Insert the alignment pin into the alignment hole of the bracket mount, through the alignment nut until it stops in the groove of the boom channel.



With the alignment pin in place, the alignment nut should not move. Secure bracket mount in the channel groove by tightening the two set screws. Remove alignment pin as it is used as a probe for alignment purposes only.



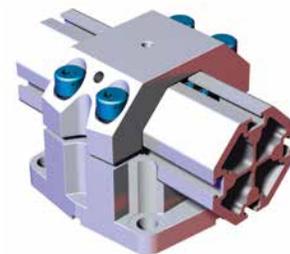
The alignment nut remains in place even when the bracket mount is removed.

To order replacement alignment pin or nut, please use the following order numbers:

Alignment Pin #505311, Alignment Nut #505264



To Replace the Bracket mount, place the assembled bracket mount on the Bodybuilder™ boom until the alignment holes are visually aligned. Insert the alignment pin to secure bracket mount in place, and tighten the fasteners.



Remove the alignment pin and continue tightening the fasteners to specified torque values.

U.S. PATENT 6,349,912