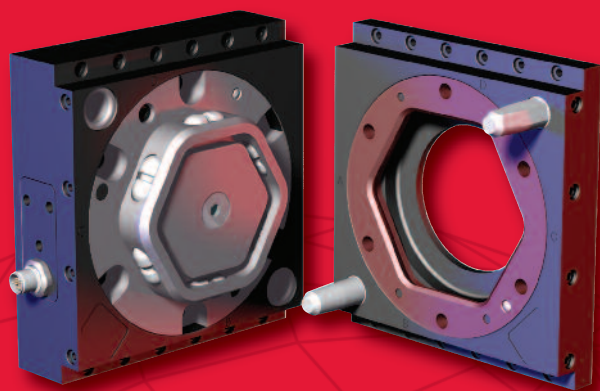
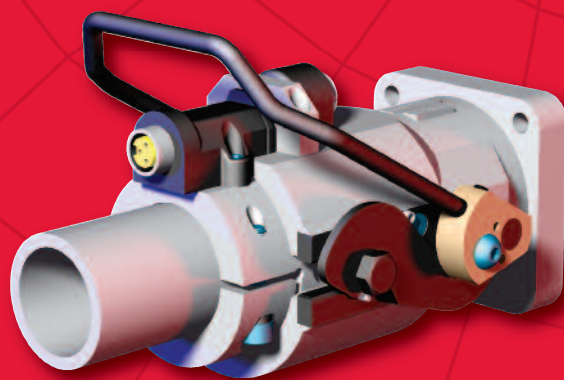




ALUMINUM



**RQC/RTP SERIES
AUTOMATIC TOOL CHANGERS**



HOUSING and BAYONETS



ADAPTORS AND NEST STANDS

TOOL CHANGERS AND ADAPTORS

MARCH 2009

www.destaco.com

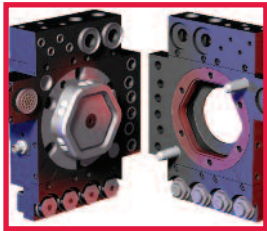


CAD FILES
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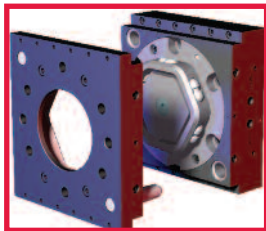
Automatic and Manual Tool Changers

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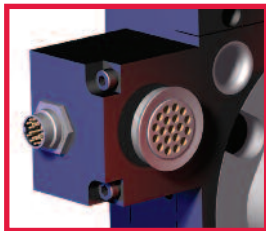
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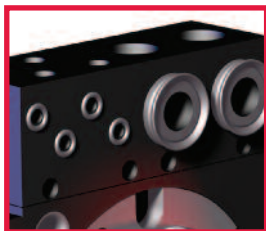
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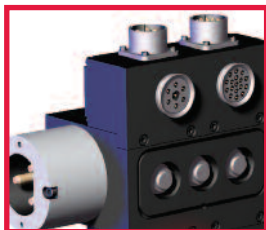
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Optional Air, Vacuum, and Fluid Modules

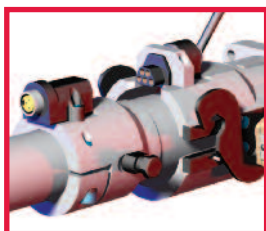
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Quick Disconnect Bayonet for Ø25mm/1.00"(in) Boom/Tubes

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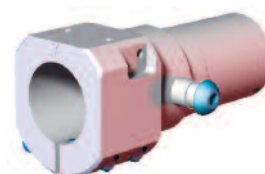
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Quick Disconnect Bayonet for Ø40mm/1.50"(in) Boom/Tubes

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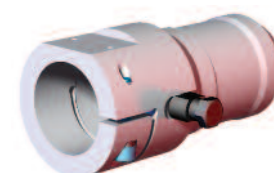
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Quick Disconnect Bayonet for Ø60mm/2.50"(in) Boom/Tubes

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Automatic Tool Changers - Robot and Tool Adaptors

"RQC/RTP" Application Features and Benefits

Robotic applications:

Perfect for those flexible/multiple tooling applications utilizing one Robot. This product was designed with exceptional repeatability, high rigidity & load capacity to make it ideal for any robotic application.

Automation applications:

End effector tooling and interchangeable fixturing can be changed quickly and easily to accommodate many different styles of parts on the same assembly machine or machining center.

Highly configurable, modular design:

The Modular RQC series easily accommodates up to (4) optional modular interfaces, offering a high level of flexibility.

Additional Optional Air, Fluid, Electrical and Weld Gun Modules are Available.

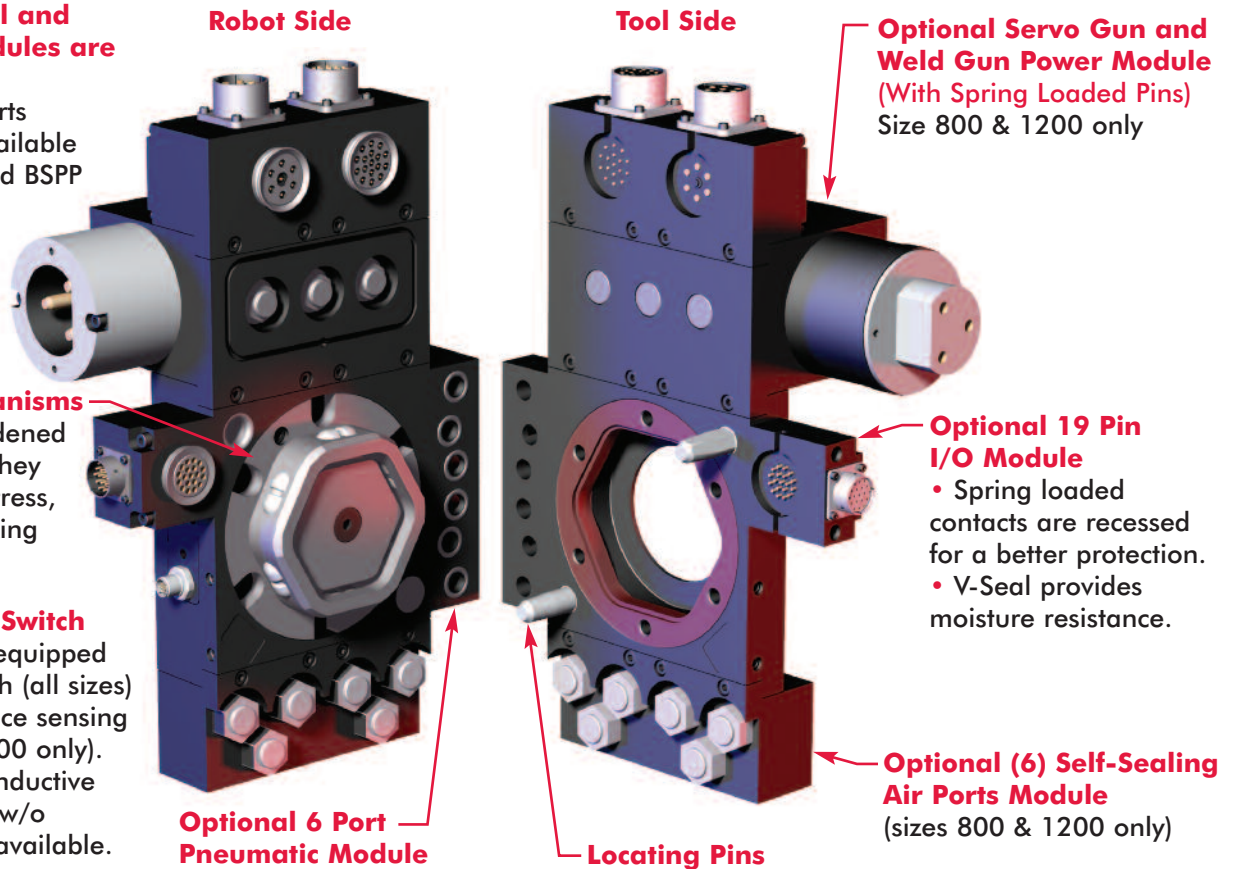
Air and fluid ports modules are available in NPT, BSPP, and BSPP (See Page 6)

Locking Mechanisms

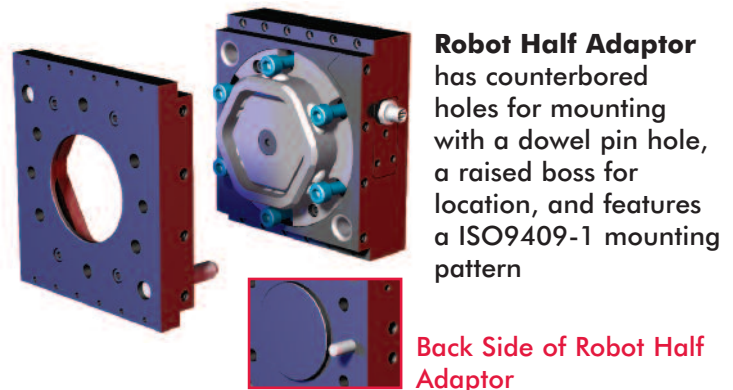
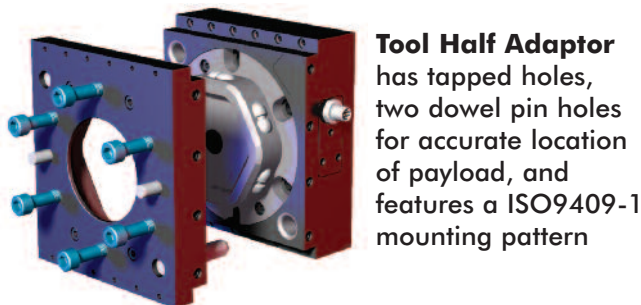
Made from hardened stainless steel, they provide a low stress, highly rigid locking capability.

Latch/Unlatch Switch

RQC's are pre-equipped for latch, unlatch (all sizes) and part presence sensing (sizes 800 & 1200 only). Dry contact or inductive sensors with or w/o connectors are available.



"RQC/RTP" Mounting Information



Automatic Tool Changers - Robot and Tool Adaptors "RQC/RTP" General Technical Information

Pneumatic Specification

Pressure Range (Locked Cylinder):
4~7 bar [60~100 psi]
Cylinder Type: Double Acting, Spring Assist
Valve Required to Actuate: 4-way, 2-Position

Temperature Operating Range

Air Filtration: 40 Microns or Better
Air Lubrication: Not Necessary*
Air Humidity: Low Moisture Content (Dry)
(*Addition of lubrication will greatly increase service life.)

Temperature Operating Range

Buna-N-Seals (Standard): -35°~80° C [-30°~180° F]

Maintenance Specification

Expected Life: Normal Application: 5 Million Cycles
With Preventative Maintenance: 10+ Million Cycles
Repeatability: ±0.025mm [±0.001 in]
Field Repairable: Yes
Seal Repair Kits Available: Yes

Application Restrictions

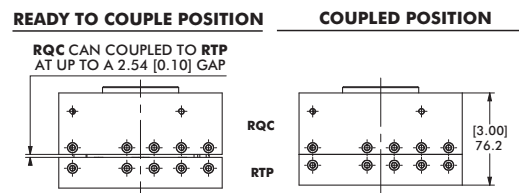
- Dirty or Gritty Environments
- Machining Operations Generating Chips
- Environments with Loose Particulates

For **Maintenance Information** including exploded views and spare parts, please refer to the **Automation Catalog**.

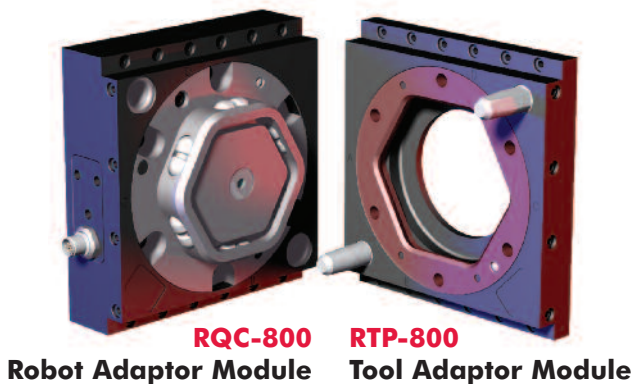
"RQC-400"/"RTP-400" Technical Information



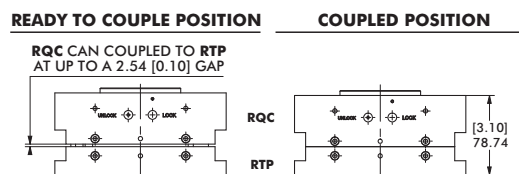
Combined Weight: 4.7 Kg [10.4 lb]
Max. Payload: 180 Kg [400 lb]
Max. Moment: 1580 Nm [14000 in.-lb.]



"RQC-800"/"RTP-800" Technical Information



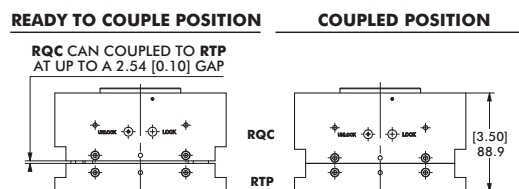
Combined Weight: 7.1 Kg [15.8 lb]
Max. Payload: 360 Kg [800 lb]
Max. Moment: 2490 Nm [22000 in.-lb.]



"RQC-1200"/"RTP-1200" Technical Information



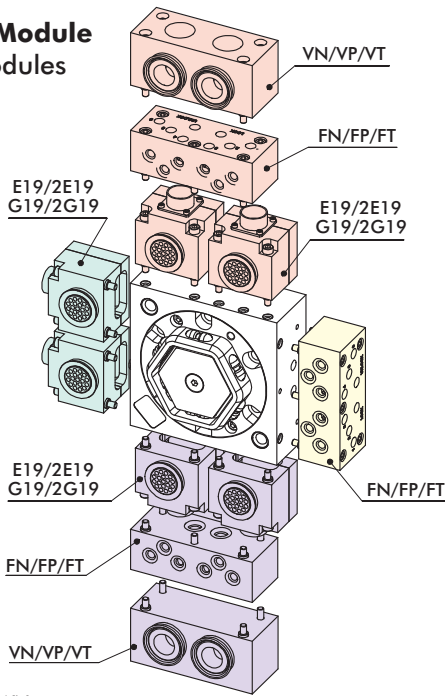
Combined Weight: 8.3 Kg [18.4 lb]
Max. Payload: 550 Kg [1200 lb]
Max. Moment: 3390 Nm [30000 in.-lb.]



Automatic Tool Changers - Robot and Tool Adaptors "RQC/RTP" Module Usage Illustrations

RQC-400

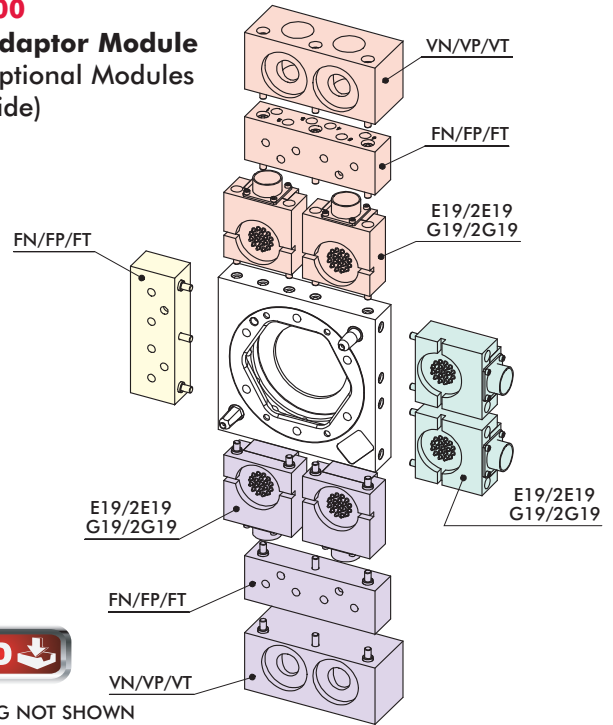
Robot Adaptor Module
with Optional Modules
(Robot Side)



USER PLUG NOT SHOWN

RTP-400

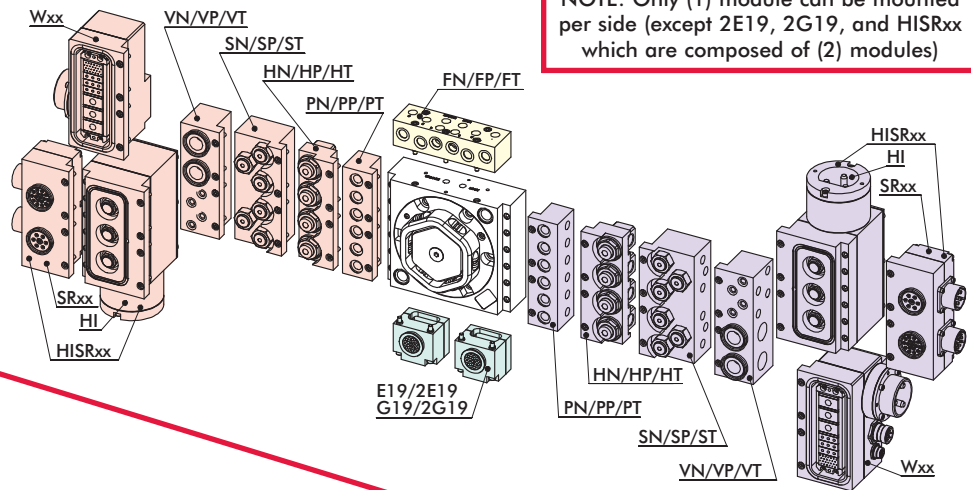
Tool Adaptor Module
with Optional Modules
(Tool Side)



USER PLUG NOT SHOWN

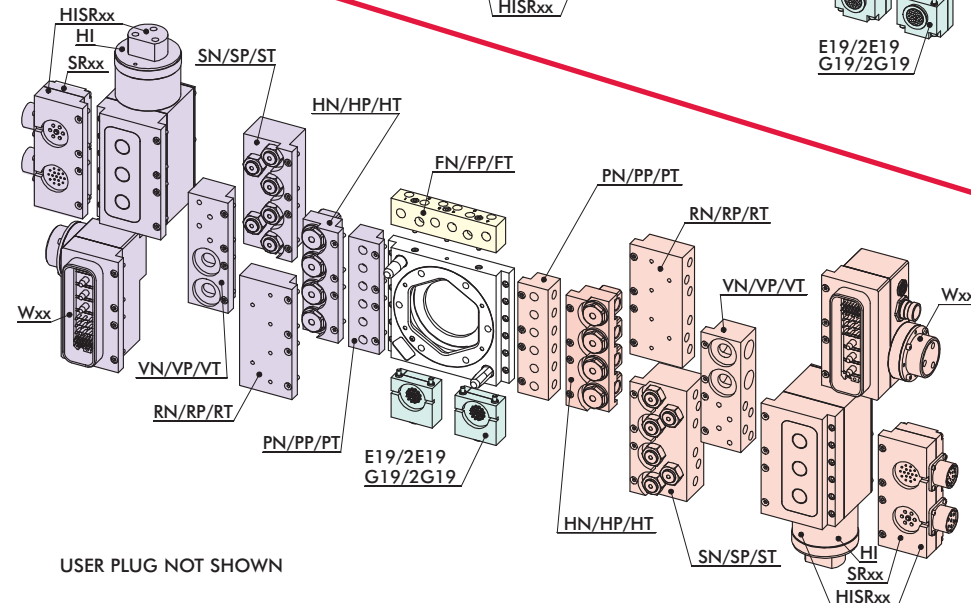
RQC-800/RTP-1200

Robot Adaptor Module
with Optional Modules
(Robot Side)



NOTE: Only (1) module can be mounted per side (except 2E19, 2G19, and HISRxx which are composed of (2) modules)

USER PLUG NOT SHOWN



USER PLUG NOT SHOWN

RTP-800/RTP-1200
Tool Adaptor Module
with Optional Modules
(Tool Side)





A DOVER COMPANY

Automatic & Manual Tool Changers

Automatic Tool Changers - Robot and Tool Adaptors "RQC/RTP" Ordering Information

Base Model	Model Size	Port Options	Sensing (RQC-only)	Side "A" MODULES	Side "B" MODULES	Side "C" MODULES	Side "D" MODULES
RQC	400	N	LO	0	0	0	0
"RQC" Robot Side Adaptor Module	"400" 180 kg [400 lb] Max. Payload	"N" NPT Port	"LO" No Sensing				
"RTP" Tool Side Adaptor Module	"800" 360 kg [800 lb] Max. Payload	"M" BSPP Port	"LP" PNP Inductive Sensing				
	"1200" 550 kg [1200 lb] Max. Payload	"A" BSPT Port	"CP" PNP Inductive Sensing with M12 connector				
			"LN" NPN Inductive Sensing				
			"CN" NPN Inductive Sensing with M12 connector				
			"LD" Dry contact sensor				
			"CD" Dry contact sensor with M12 connector				
			(*) Requires E19 module or G19 module mounted on side C.				
			(†) Cordset or plug are sold separately.				

Optional Air, Vacuum and Electrical Module can be order with Base Model.
See below for Module Description
(See Page 6 for Illustrated Module Use Configuration)

NOTE:

Only (1) module can be mounted per side. (Except 2E19, 2G19, and HISRxx which are composed of (2) modules)

Modules usage is based on the size of the Base Model and which side the Module is can be Mounted. (See page 6)

SIDE "A" Optional Modules

- "0" No Optional Module
- "FN" 6 X 1/4" NPT Air Ports Module, Face Seal, 10 Bar
- "FP" 6 X 1/4" BSPP Air Ports Module, Face Seal, 10 Bar
- "FT" 6 X 1/4" BSPT Air Ports Module, Face Seal, 10 Bar

SIDE "B" AND/OR SIDE "D"

- "0" No optional module
- "FN" 6 X 1/8" NPT Air Ports Module, Face Seal, 10 Bar
- "FP" 6 X 1/8" BSPP Air Ports Module, Face Seal, 10 Bar
- "FT" 6 X 1/8" BSPT Air Ports Module, Face Seal, 10 Bar
- "PN" 6 X 1/4" NPT Air Ports Module, Face Seal, 10 Bar
- "PP" 6 X 1/4" BSPP Air Ports Module, Face Seal, 10 Bar
- "PT" 6 X 1/4" BSPT Air Ports Module, Face Seal, 10 Bar
- "HN" 4 X 3/8" NPT Fluid Ports Module, 100 Bar
- "HP" 4 X 3/8" BSPP Fluid Ports Module, 100 Bar
- "HT" 4 X 3/8" BSPT Fluid Ports Module, 100 Bar
- "SN" 6 X 1/4" NPT Air Ports Module, Self Sealing, 10 Bar
- "SP" 6 X 1/4" BSPP Air Ports Module, Self Sealing, 10 Bar
- "ST" 6 X 1/4" BSPT Air Ports Module, Self Sealing, 10 Bar
- "VN" 2 X 3/4" Vacuum + 4 X 1/4" Air NPT Ports Module, Face Sealing
- "VP" 2 X 3/4" Vacuum + 4 X 1/4" Air BSPP Ports Module, Face Sealing
- "VT" 2 X 3/4" Vacuum + 4 X 1/4" Air BSPT Ports Module, Face Sealing
- "Wxx" Servo Gun and Welding Gun Module (Pin And Socket)
- "HI" Welding Gun Module (3 X 180 Amp Spring Loaded Pins)
- "SRxx" Servo Gun Module (with Spring Loaded Pins)
- "HISRxx††" Servo Gun and Welding Gun Module (with Spring Loaded Pins)

RTP/RQC 400 only (Mounted on Side A, Side B and Side D)

RTP/RQC 400 Modules has no "Air Ports"

(**) XX are attributed according to the customer wiring diagram. Consult factory.
(††) SRXX Module can be mounted on the HI module to use with electric welding gun.

SIDE "C"

- "0" No optional module
- "E19†" 19 pin, 3 Amp, 48 VDC Module w/Turck M12 connector, w/o Cordset
- "2E19††***" 2x 19 pin, 3 Amp, 48 VDC Module w/Turck M12 connector, w/o Cordset
- "G19" 19 pin, 5 Amp, 120 VDC Module w/Industrial User Conn., w/o Cable
- "2G19***" 2x 19 pin, 5 Amp, 120 VDC Module w/Industrial User Conn., w/o Cable

(†) Cordset or plug are sold separately. (***)Not compatible with CD, CP or CN sensing option.

Electrical and pneumatic accessories are ordered separately.

Please note some electrical accessories can only be used with certain modules for either RQC or RTP "Base Models".

For pneumatic accessories, size of "Base Model" is considered.

ELECTRICAL ACCESSORIES

- "ELCT-048" 90° Female Plug, w/o Cable, Solder Type, Cable Clamp for G19 (RQC Only)
- "ELCT-049" 90° male Plug, w/o Cable, Solder Type, Cable Clamp for G19 (RTP Only)
- "CABL-028" 90° Female M12 Cordset with 2M Cable for CP, CN, and CD (RQC Only)
- "CABL-029" 90° Female Cordset with 4M Cable for E19 (RQC Only)
- "CABL-031" 90° male Cordset with 2M Cable for E19 (RTP Only)
- "OSRK-004" PNP Inductive Sensor Repair Kit (RQC Only)
- "OSRK-005" NPN Inductive Sensor Repair Kit (RQC Only)
- "OSRK-006" Dry Contact Sensor Repair Kit (RQC Only)

PNEUMATIC ACCESSORIES

- "SLKT-402" RQC-400 Standard Seal Repair Kit
- "SLKT-403" RQC-800 Standard Seal Repair Kit
- "SLKT-404" RQC-1200 Standard Seal Repair Kit

Automatic Tool Changers - Base Model

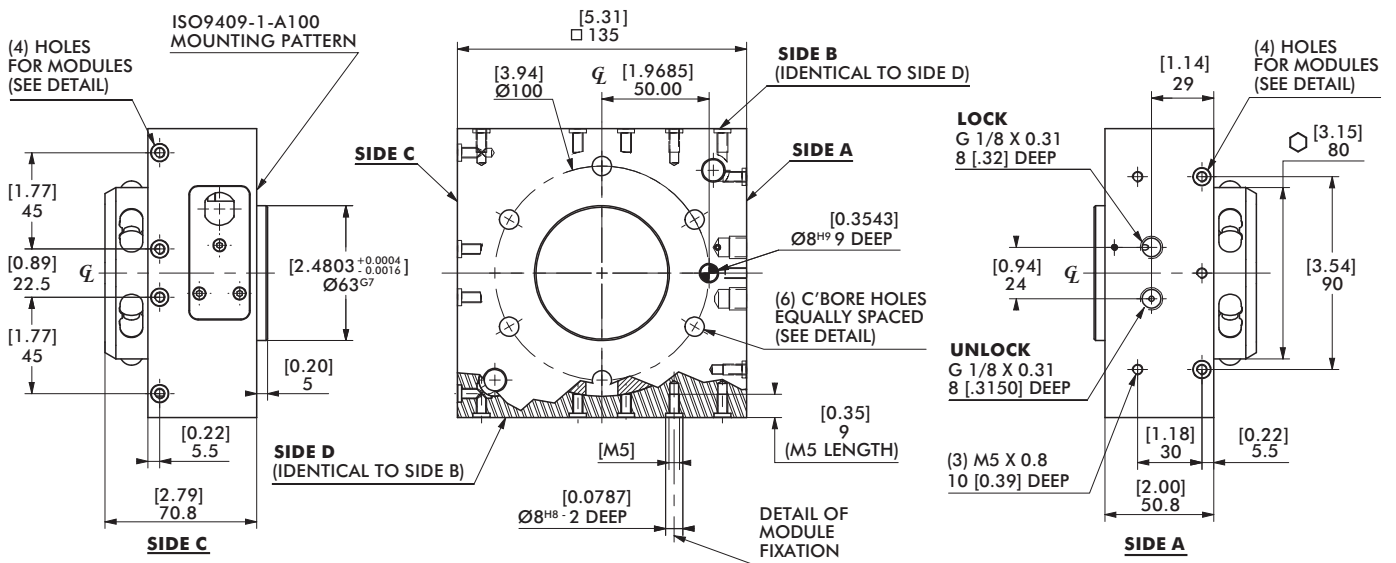
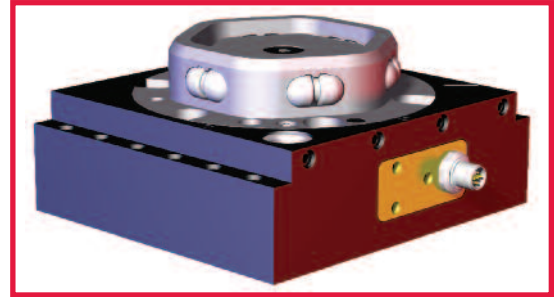
"RQC-400" Robot Half Adaptor

Specification:

- The Tool half Adaptor is inserted into the Robot Half.
- The Robot half has a spring assisted double action piston. When the piston is actuated, the locking pins are driven under the locking ring, as a result of this action, the (2) halves are locked together.

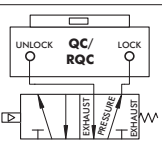
Specification:

- Max. Payload: 180 Kg [400 lb]
- Loading Capacity (FIG "A"):**
- Max. Tensile **T**: 2670 N [600 lb]
- Max. Compressive **C**: 3560 N [800 lb]
- Max. Moment (**M_x/M_y/M_z**): 1580 Nm [14000 in.-lb.]



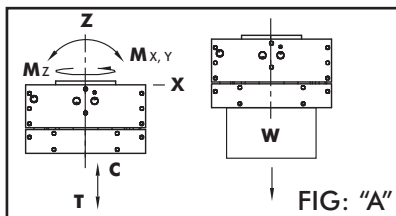
FAILSAFE OPERATION:

4-WAY VALVES WITH A SPRING RETURN ARE RECOMMENDED TO MAINTAIN AIR PRESSURE TO THE LOCK PORT DURING EMERGENCY STOP CONDITIONS.



Pressure Range (Locked Cylinder):


- 4~7 bar [60~100 psi]
- Cylinder Bore: Ø73mm [2.87in]
- Displacement: 80.9 cm³ [4.93in³]



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

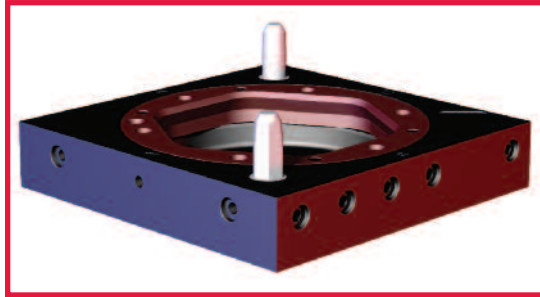
IMPERIAL ([IN.])
0.00 = ±.01
0.000 = ±.005
0.0000 = ±.0005

METRIC (MM)
[0] = [±.25]
[0.0] = [±.13]
[0.00] = [±.013]



MODEL NUMBER	WEIGHT
RQC-400	3.6 kg [8.0 lb]

Automatic Tool Changers - Base Model "RTP-400" Tool Half Adaptor



Specification:

Max. Payload: 180 Kg [400 lb]

Loading Capacity (FIG "A"):

Max. Tensile **T**: 2670 N [600 lb]

Max. Compressive **C**:

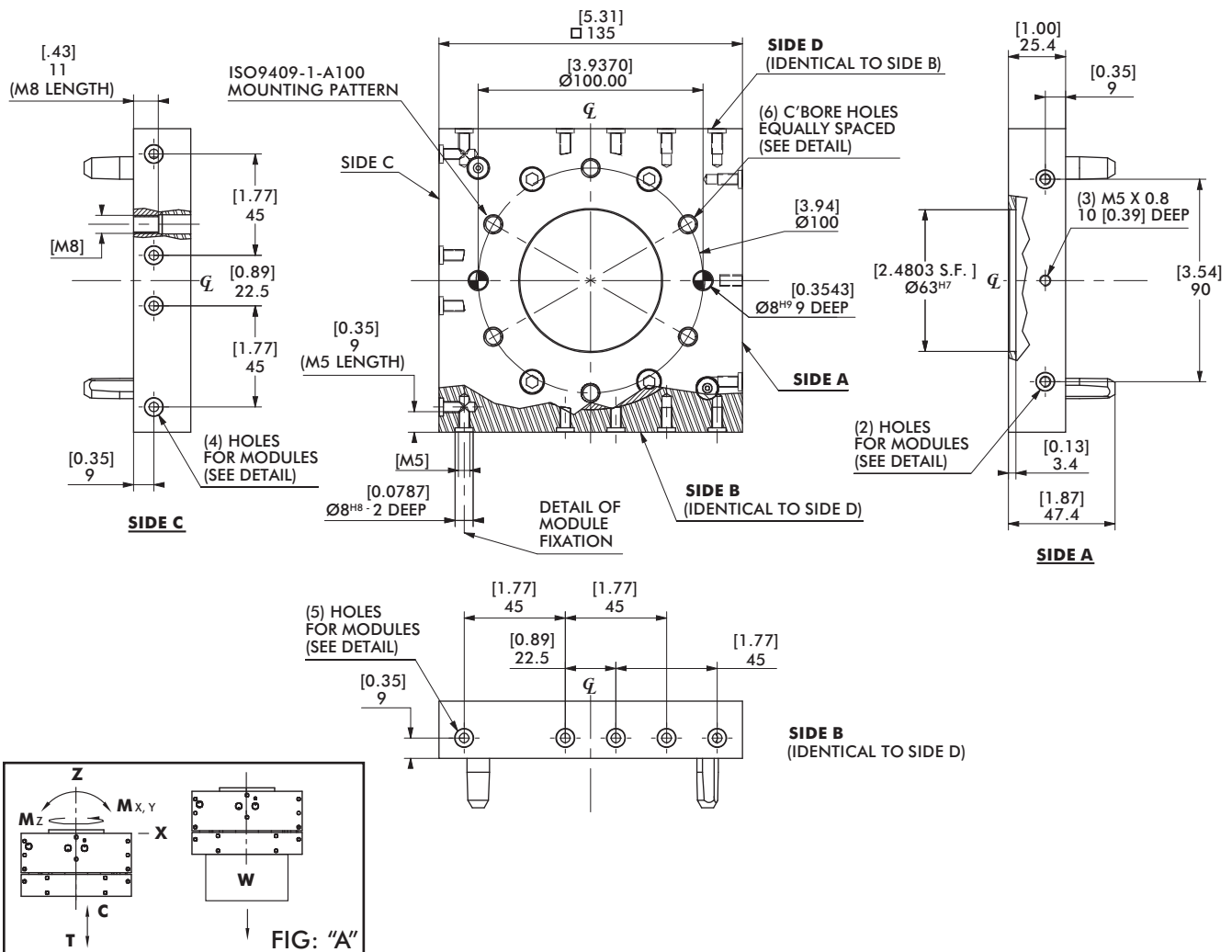
3560 N [800 lb]

Max. Moment (**M_x/M_y/M_z**):

1580 Nm [14000 in.-lb.]

Specification:

- The Tool half Adaptor is inserted into the Robot Half.
- The Robot half has a spring assisted double action piston. When the piston is actuated, the locking pins are driven under the locking ring, as a result of this action, the (2) halves are locked together.



UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

\varnothing
DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE

\triangle
THIRD ANGLE PROJECTION

\oplus
ALL DOWEL HOLES ARE SF (SLIP FIT). LOCAL TOLERANCE ± 0.0005 " OR ± 0.013 MM

\oplus
METRIC THREADS COURSE PITCH

IMPERIAL ([IN.])
0.00 = ± 0.01
0.000 = ± 0.005
0.0000 = ± 0.0005

METRIC (MM)
[0] = ± 0.25
[0.0] = ± 0.13
[0.00] = ± 0.013

MODEL NUMBER	WEIGHT
RTP-400	5.2 kg [2.4 lb]



Automatic Tool Changers - Base Model

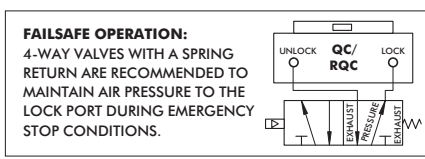
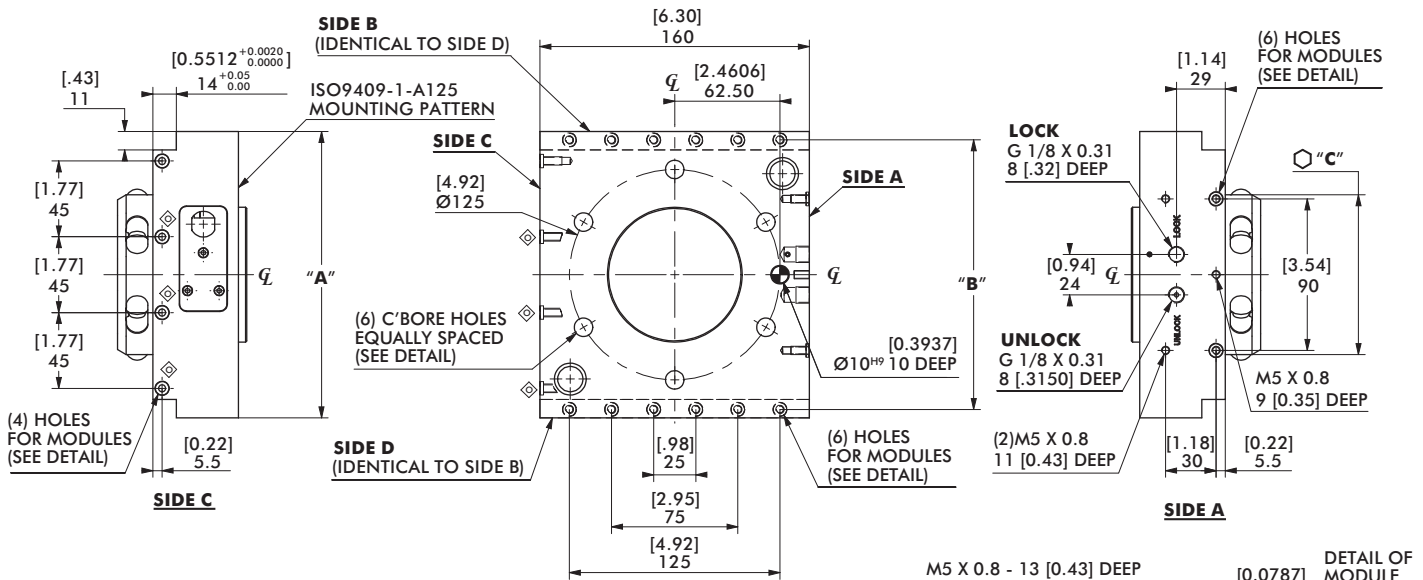
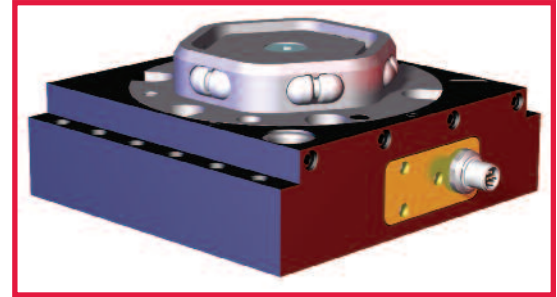
"RQC-800" / "RQC-1200" Robot Half Adaptor

RQC-800 Specification:
Max. Payload: 360 Kg [800 lb]

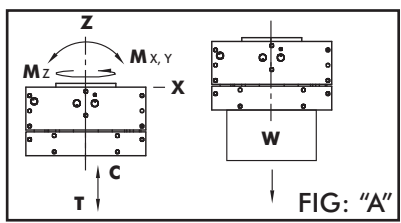
RQC-1200 Specification:
Max. Payload: 550 Kg [1200 lb]

Loading Capacity (FIG "A"):
Max. Tensile **T**:
5340 N [1200 lb]
Max. Compressive **C**:
7120 N [1600 lb]
Max. Moment (**M_x/M_y/M_z**):
2490 Nm [22000 in.-lb.]

Loading Capacity (FIG "A"):
Max. Tensile **T**:
8000 N [1800 lb]
Max. Compressive **C**:
10700 N [2400 lb]
Max. Moment (**M_x/M_y/M_z**):
3390 Nm [30000 in.-lb.]



Pressure Range (Locked Cylinder):
4~7 bar [60~100 psi]
RQC-800 Cyl. Bore: Ø80mm [3.15in]
RQC-1200 Cyl. Bore: Ø95mm [3.74in]
RQC-800 Displacement: 95.6 cm³ [5.83in³]
RQC-1200 Displacement: 153.7 cm³ [9.38in³]

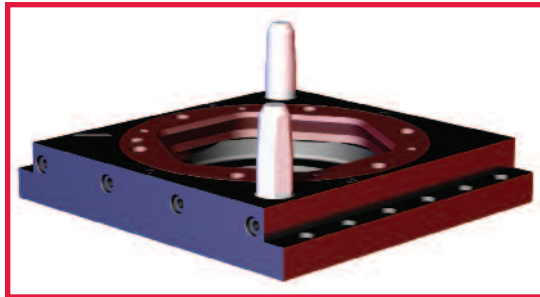


UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

- \varnothing DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE
- \triangle THIRD ANGLE PROJECTION
- \odot ALL DOWEL HOLES ARE SF (SLIP FIT). LOCATIONAL TOLERANCE $\pm .0005$ " OR $\pm .013$ MM
- M METRIC THREADS COURSE PITCH
- IMPERIAL ([IN.])
0.00 = $\pm .01$
0.000 = $\pm .005$
0.0000 = $\pm .0005$
- METRIC (MM)
[0] = $\pm .25$
[0.0] = $\pm .13$
[0.00] = $\pm .013$

MODEL NUMBER	"A"	"B"	"C"	"D"	"E"	WEIGHT
RQC-800	[6.69] 170.0	[6.2992] 160.0	[3.73] 94.75	[2.00] 50.8	[2.82] 71.75	[11.8 lb] 6.3 kg
RQC-1200	[7.01] 178.0	[6.6142] 168.0	[4.08] 103.6	[2.25] 57.15	[3.31] 84.15	[14.1 lb] 6.4 kg

Automatic Tool Changers - Base Model
 "RTP-800" / "RTP-1200" Tool Half Adaptor

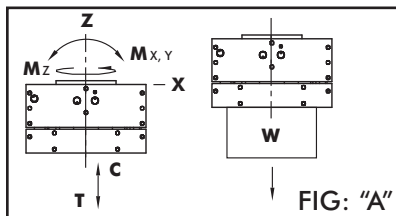
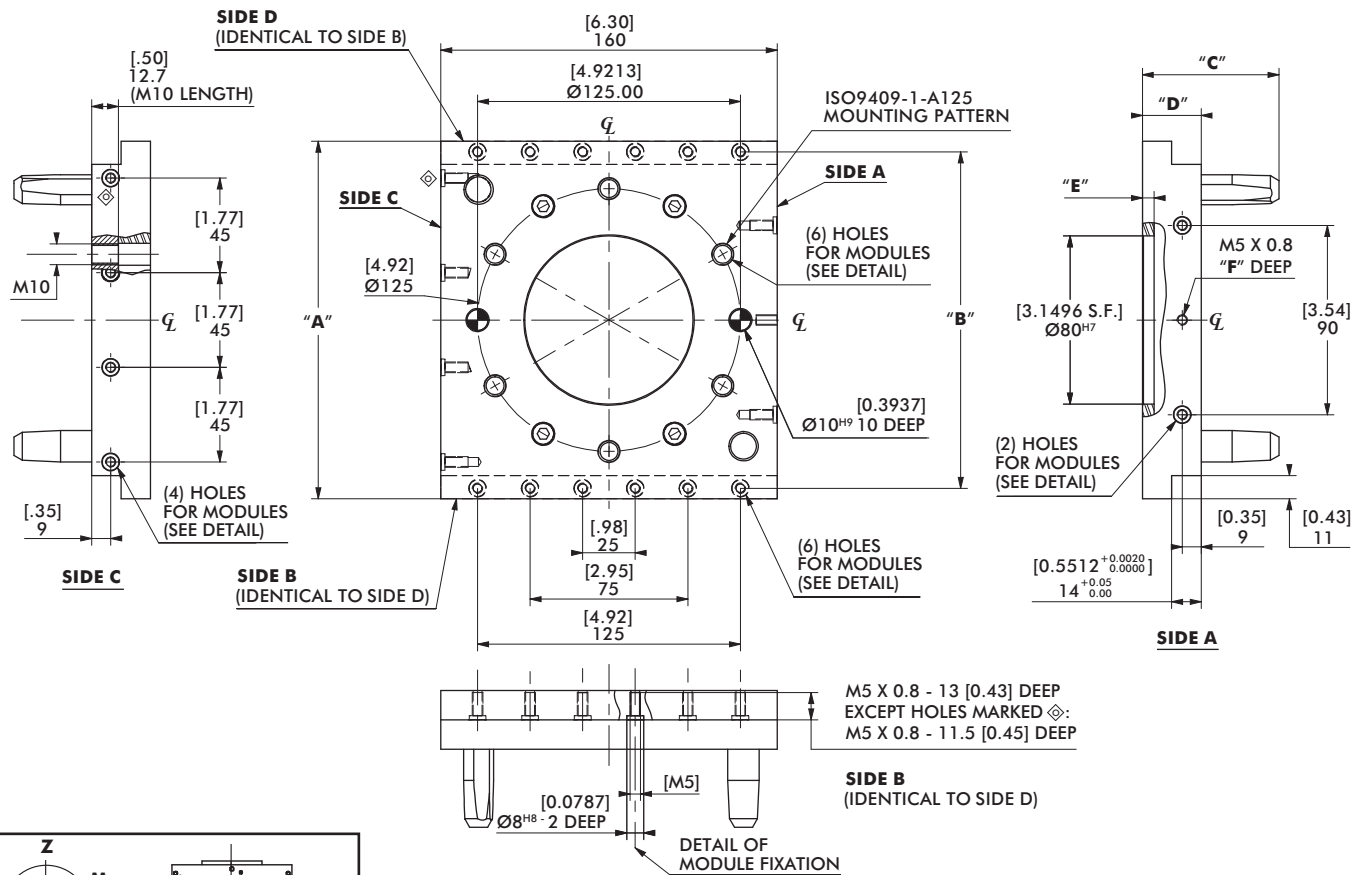


RQC-800 Specification:
 Max. Payload: 360 Kg [800 lb]

RQC-1200 Specification:
 Max. Payload: 550 Kg [1200 lb]

Loading Capacity (FIG "A"):
 Max. Tensile **T**:
 5340 N [1200 lb]
 Max. Compressive **C**:
 7120 N [1600 lb]
 Max. Moment (**M_x/M_y/M_z**):
 2490 Nm [22000 in.-lb.]

Loading Capacity (FIG "A"):
 Max. Tensile **T**:
 8000 N [1800 lb]
 Max. Compressive **C**:
 10700 N [2400 lb]
 Max. Moment (**M_x/M_y/M_z**):
 3390 Nm [30000 in.-lb.]



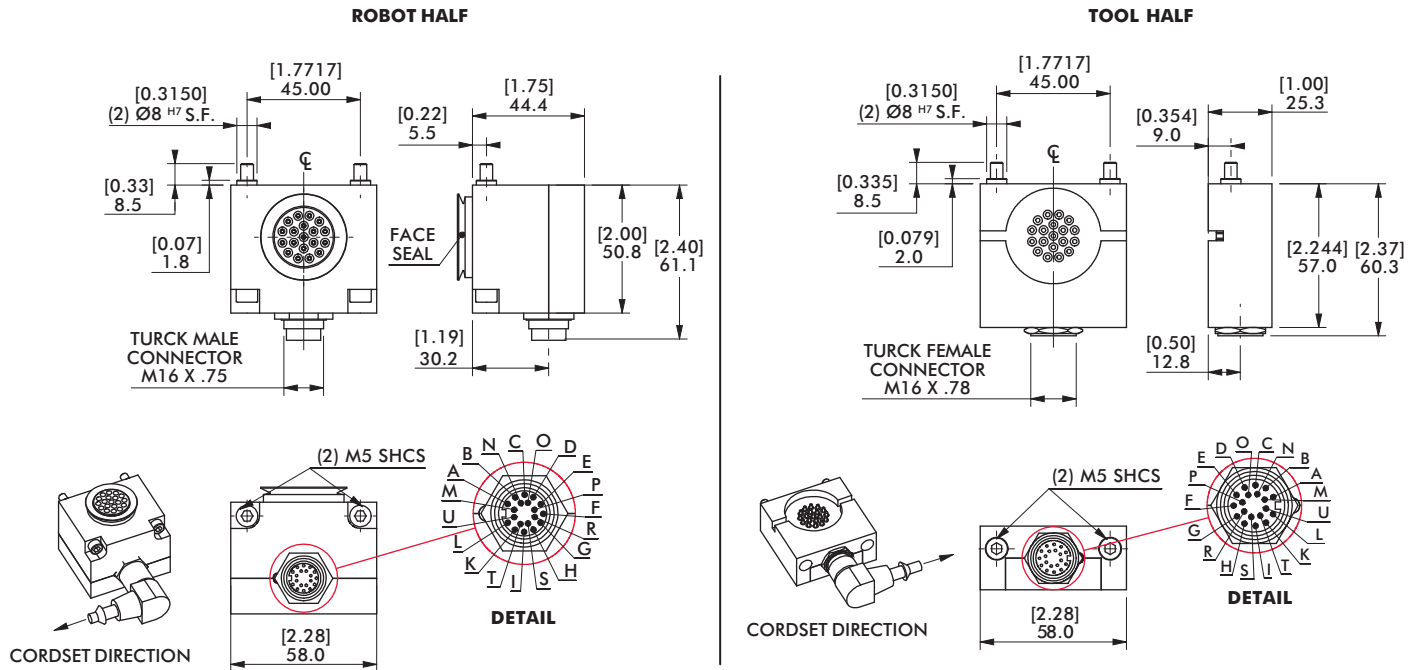
UNLESS OTHERWISE NOTED ALL TOLERANCES ARE AS SHOWN BELOW

				IMPERIAL ([IN.])	METRIC (MM)
DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINE	THIRD ANGLE PROJECTION	ALL DOWEL HOLES ARE SF (SLIP FIT). LOCAL TOLERANCE ±.0005" OR [±.013MM]	METRIC THREADS COURSE PITCH	0.00 = ±.01 0.000 = ±.005 0.0000 = ±.0005	[0] = [±.25] [0.0] = [±.13] [0.00] = [±.013]

MODEL NUMBER	"A"	"B"	"C"	"D"	"E"	"F"	WEIGHT
RTP-800	[6.69] 170.0	[6.2992] 160.0	[2.56] 64.94	[1.10] 27.94	[0.22] 5.5	[0.39] 10.0	[4.00 lb] 1.8 kg
RTP-1200	[7.01] 178	[6.6142] 168.0	[2.71] 68.75	[1.25] 31.75	[0.13] 3.25	[0.30] 7.5	[2.90 lb] 1.32 kg

Automatic Tool Changers - Optional Electrical Module

"E19" 19 Pin Module 3 Amp - 48 VDC

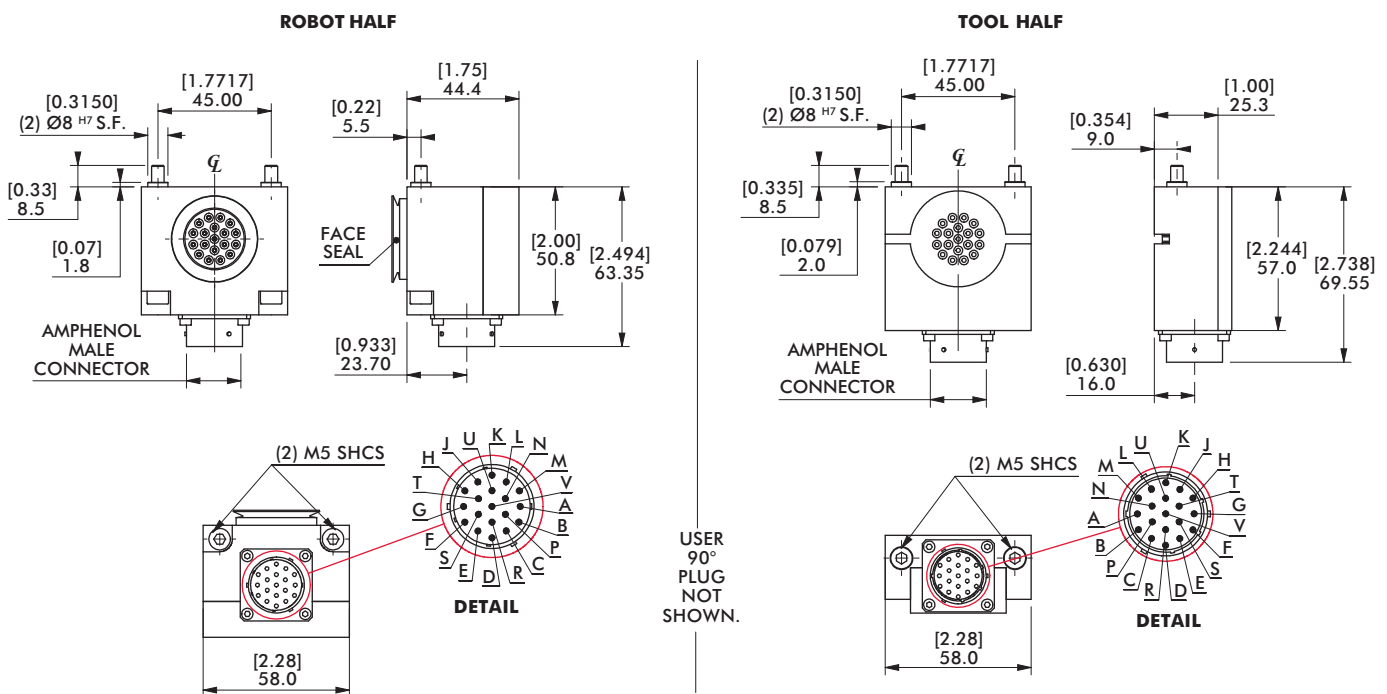


MODULE REPLACEMENT	ROBOT SIDE
E19	KE19-RQC

Module kits above include: 90° Plug Support (without cable), indexing sleeves and hardware.

MODULE REPLACEMENT	TOOL SIDE
E19	KE19-RTP

"G19" 19 Pin Module 5 Amp - 120 VDC

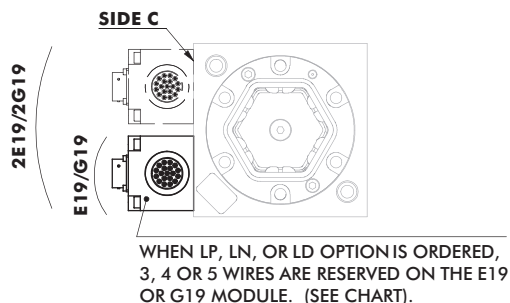


MODULE REPLACEMENT	ROBOT SIDE
G19	KG19-RQC

Module kits above include: 90° Plug support (without cable), indexing sleeves and hardware.

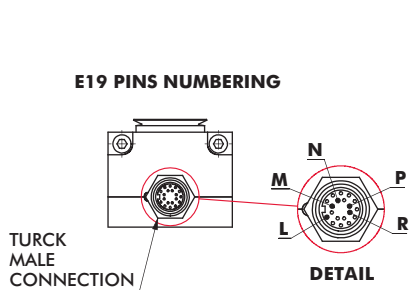
MODULE REPLACEMENT	TOOL SIDE
G19	KG19-RTP

Automatic Tool Changers - Optional Electrical Module
 "E19"/"G19" Modules Connecting with Latch/Unlatch Sensors

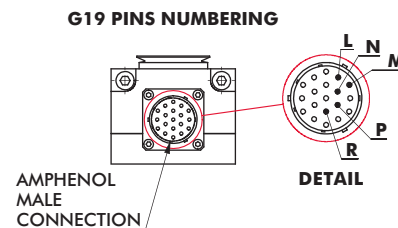


Reserved Pin Numbers on E19/G19		
Sensor/Switch	RQC 400	RQC 800 & 1200
LP or LN (Inductive)	R: + 10 - 30 VDC L: Common M: Lock N: Unlock	R: + 10 - 30 VDC L: Common M: Lock N: Unlock P: Ready to Couple
LD (Dry Contact)	R: + 10 - 30 VDC L: Common M: Lock N: Unlock	R: + 10 - 30 VDC L: Common M: Lock P: Ready to Couple

"E19"/"G19" Pin Numbering

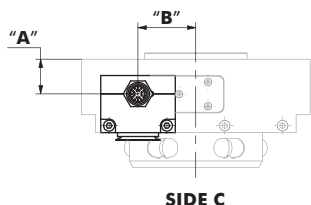


Wire Color on CABL-029 Cordset	
Contact	Wire Color
R	Red
L	Brown
M	Orange
N	Grey/Brown
P	White



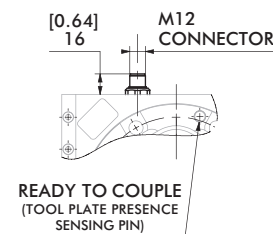
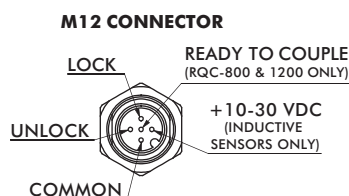
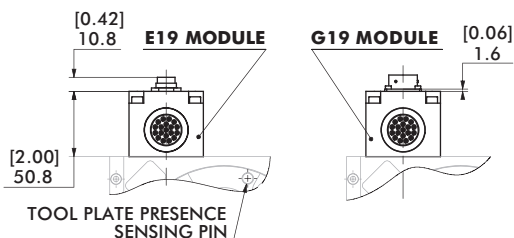
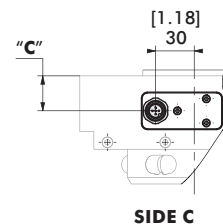
"E19"/"G19" Lock/Unlock Tool Plate Presence Sensing Options
 (with inductive Sensors and Dry Contact Switches)

SENSING ACCESSORIES LP, LN, OR LD USING 19 PINS MODULES E19 OR G19 (REQUIRES 3, 4, OR 5 OF THE 19 PINS) (AS SHOWN ABOVE)



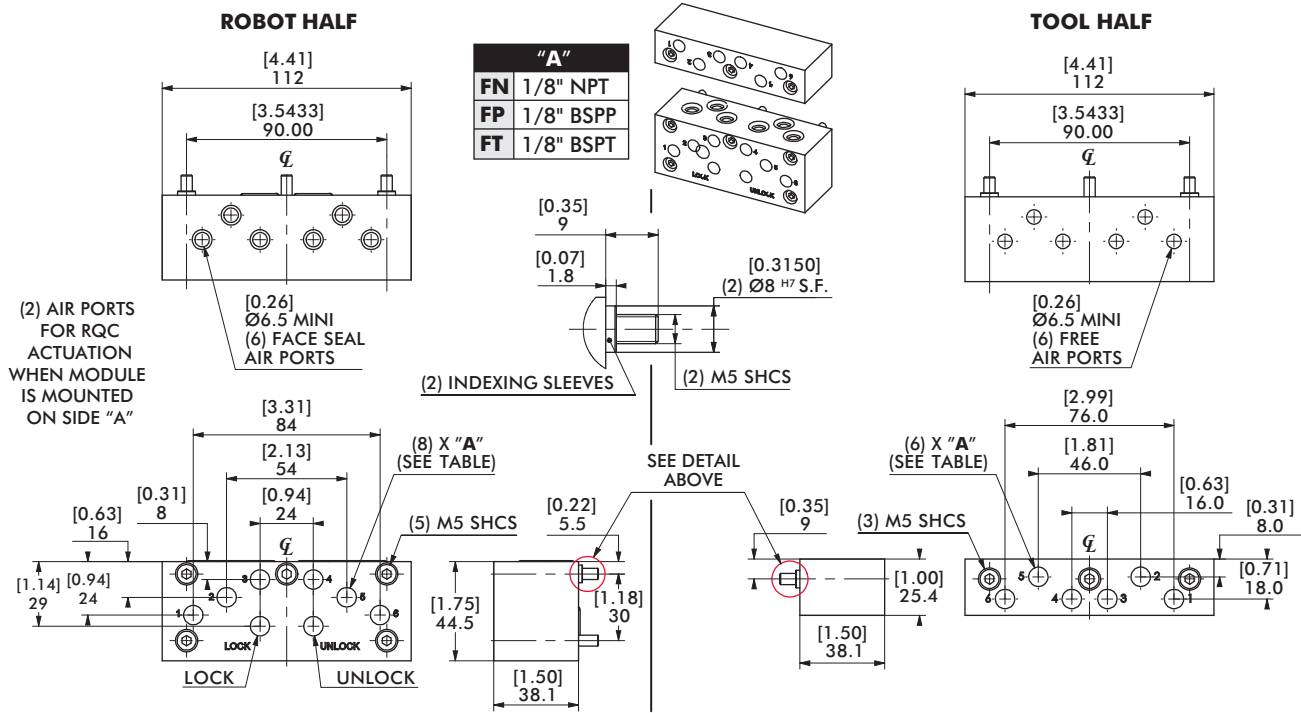
MODEL	"A"	"B"	"C"
RQC-400	[0.811] 20.6	[1.329] 33.7	[0.685] 17.4
RQC-800	[0.811] 20.6	[1.772] 45.0	[0.821] 20.8
RQC-1200	[1.061] 26.9	[1.772] 45.0	[1.071] 27.2

SENSING ACCESSORIES CP, CN, OR CD BY M12 CONNECTOR (3, 4, OR 5 PINS) (SEE BELOW)

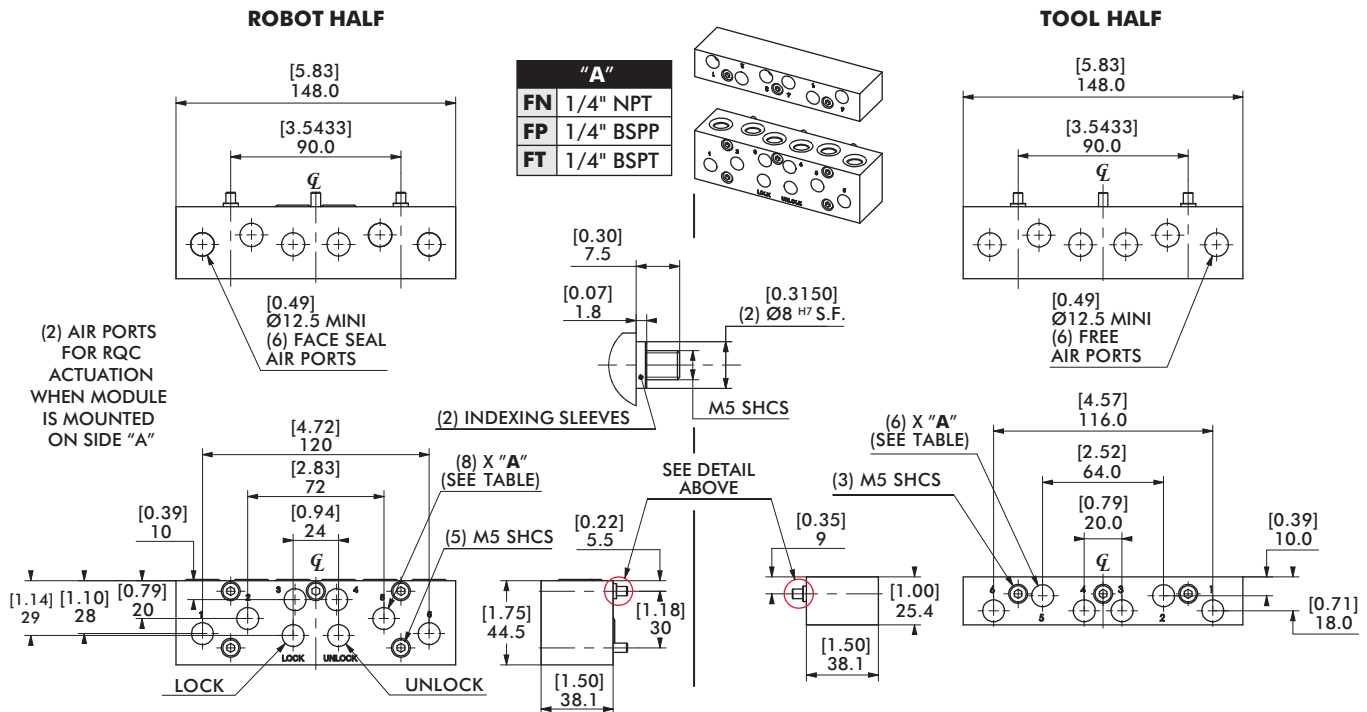


Automatic Tool Changers - Optional Air Modules

"FN"/"FP"/"FT" 6 x 1/8" Air Ports Module, Face Seal (for RQC/RTP-400)



"FN"/"FP"/"FT" 6 x 1/4" Air Ports Module, Face Seal (for RQC/RTP-800 & RQC/RTP-1200)

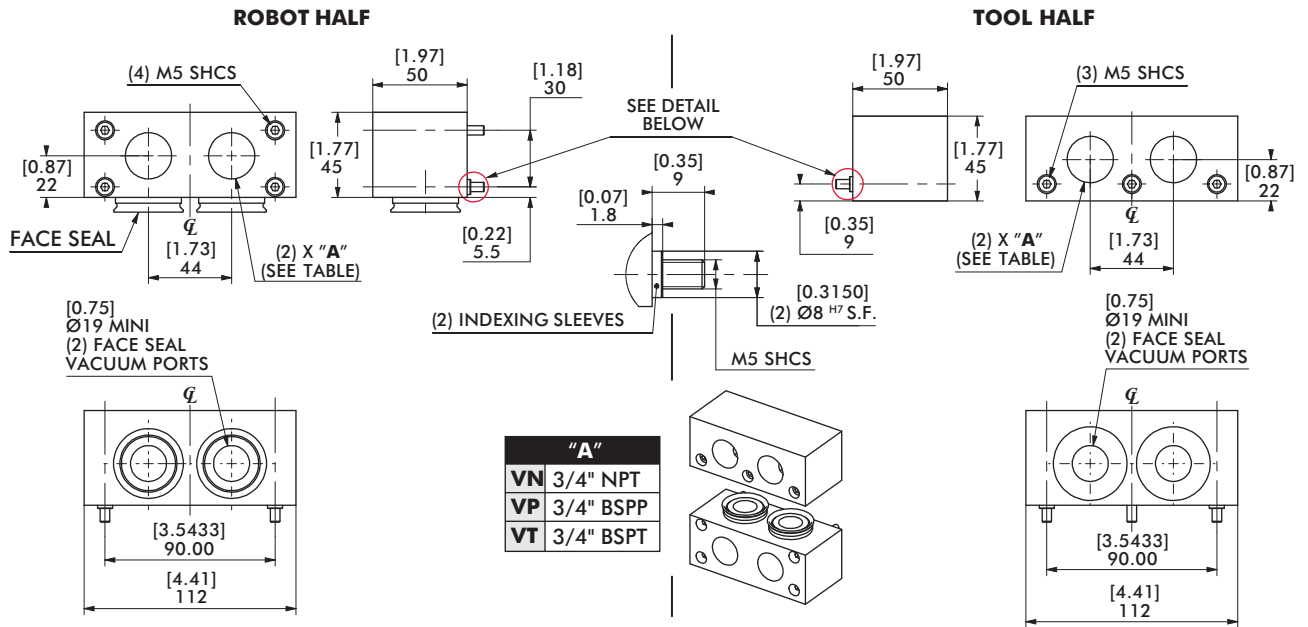


MODULE REPLACEMENT	FOR RQC-400	FOR RQC 800/1200
FN	KFN-RQC200	KFN-RQC800
FP	KFP-RQC200	KFP-RQC800
FT	KFT-RQC200	KFT-RQC800

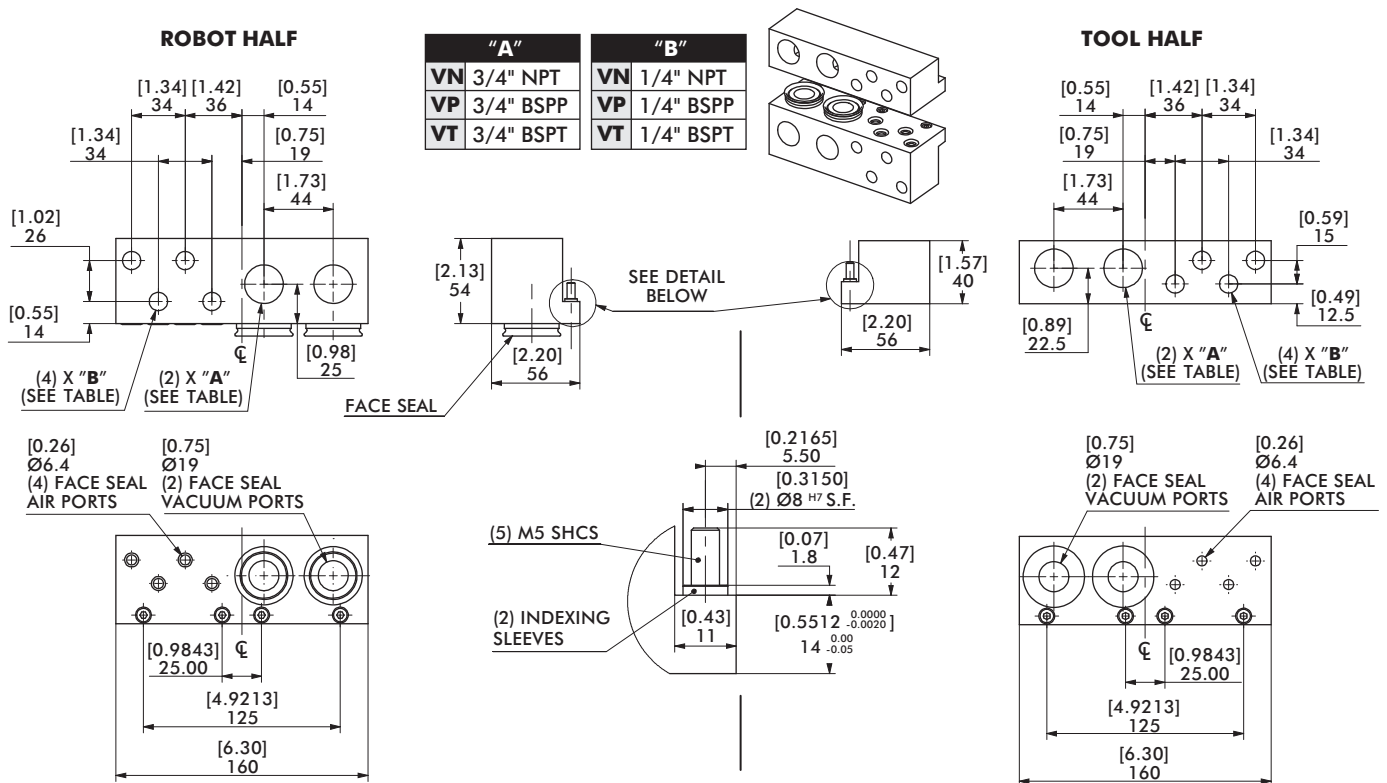
MODULE REPLACEMENT	FOR RTP-400	FOR RTP 800/1200
FN	KFN-RTP200	KFN-RTP800
FP	KFP-RTP200	KFP-RTP800
FT	KFT-RTP200	KFT-RTP800

Module kits above include: Couplings, indexing sleeves and hardware.

Automatic Tool Changers - Optional Air Modules
"VN"/"VP"/"VT" 2 x 3/4" Vacuum Ports Module, Face Seal (for RQC/RTP-400)



"VN"/"VP"/"VT" 2 x 3/4" Vacuum Ports Module, Face Seal (for RQC/RTP-800 & RQC/RTP-1200)



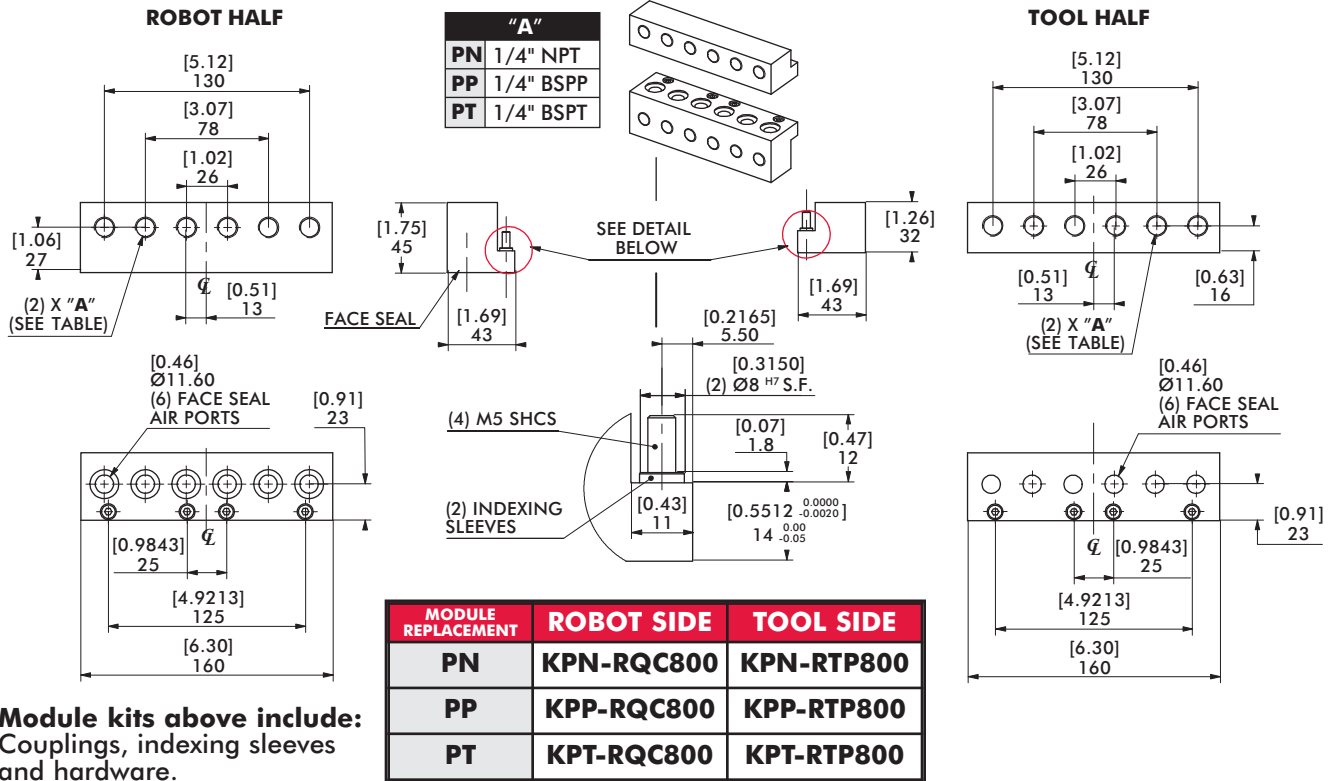
MODULE REPLACEMENT	FOR RQC-400	FOR RQC 800/1200
VN	KVN-RQC200	KVN-RQC800
VP	KVP-RQC200	KVP-RQC800
VT	KVT-RQC200	KVT-RQC800

MODULE REPLACEMENT	FOR RTP-400	FOR RTP 800/1200
VN	KVN-RTP200	KVN-RTP800
VP	KVP-RTP200	KVP-RTP800
VT	KVT-RTP200	KVT-RTP800

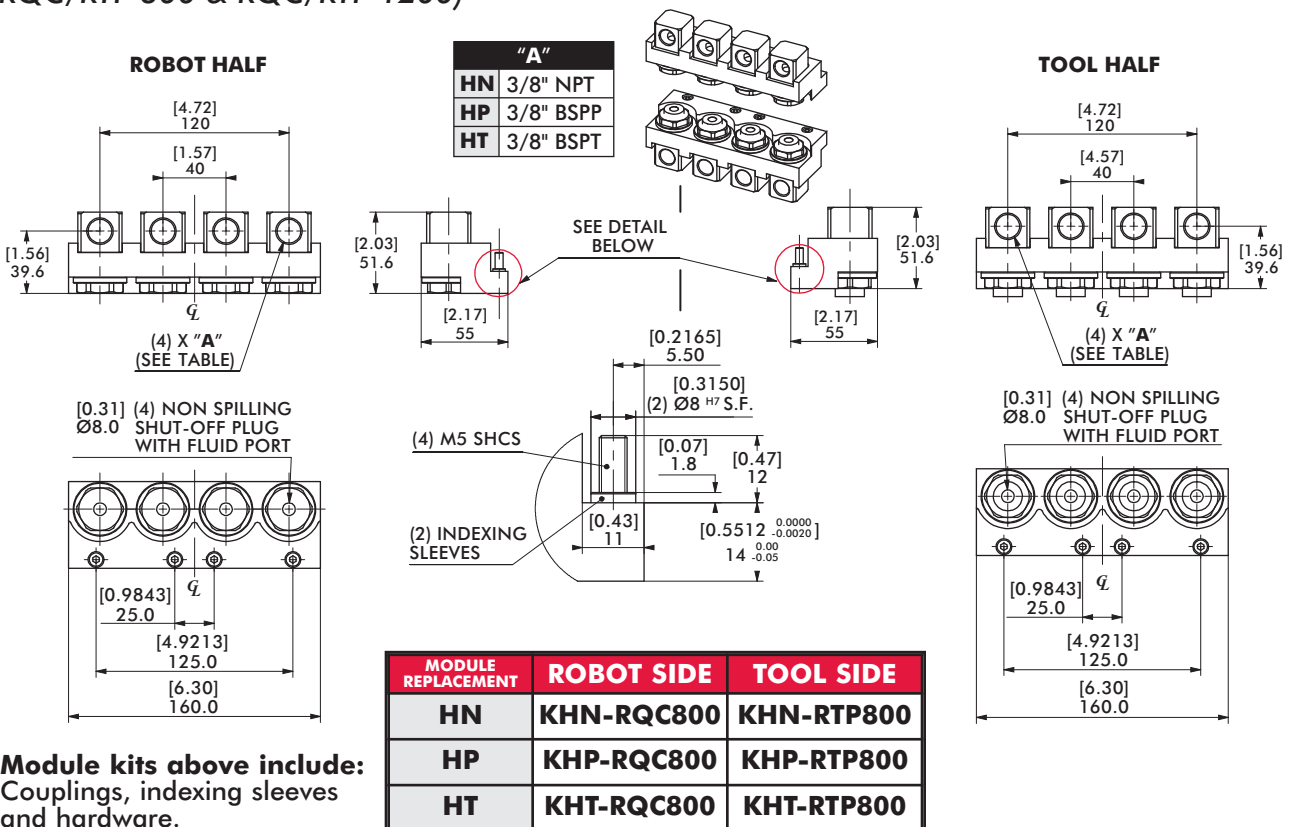
Module kits above include: Couplings, indexing sleeves and hardware.

Automatic Tool Changers - Optional Air and Fluid Modules

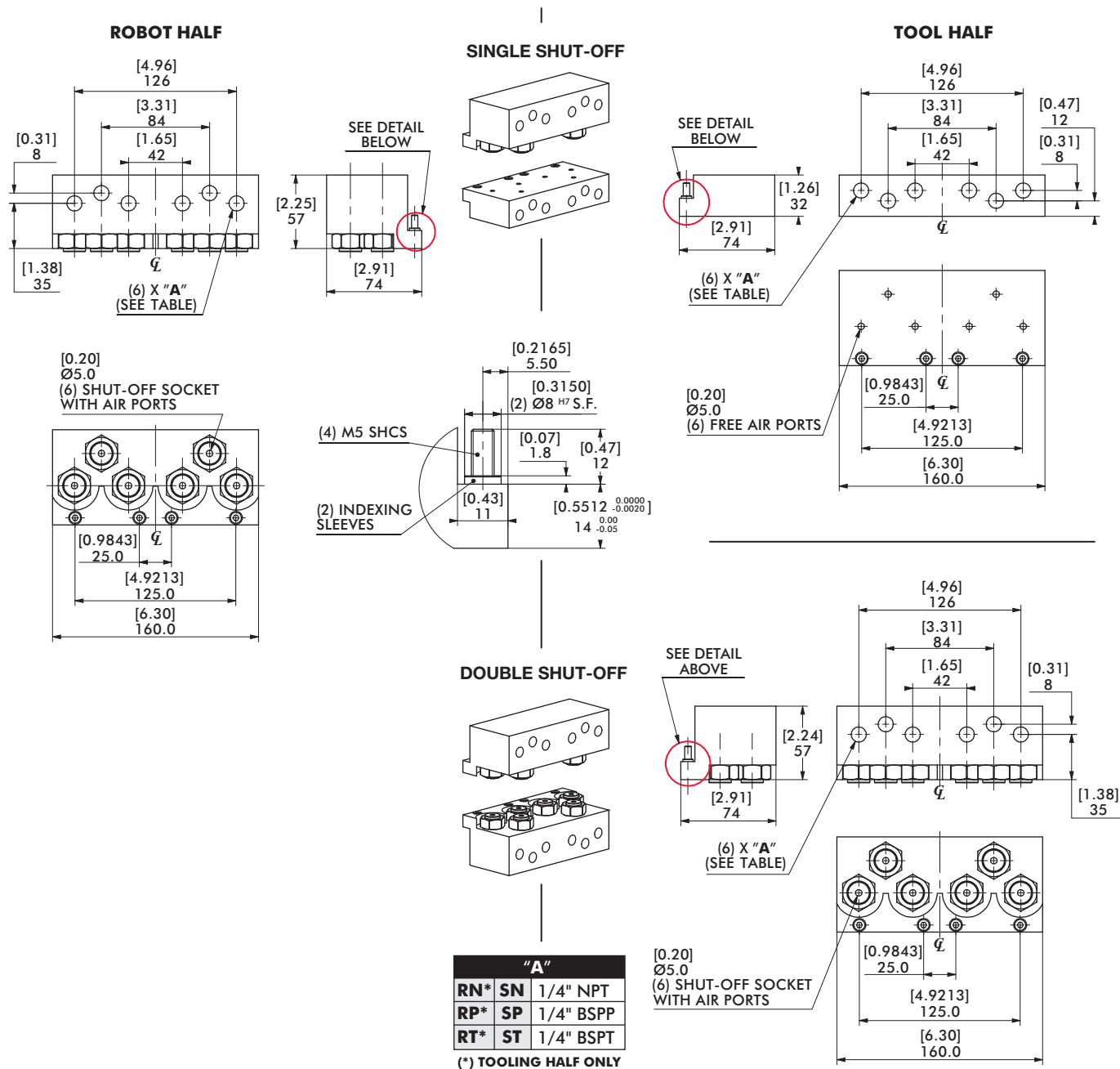
"PN"/"PP"/"PT" 6 x 1/4" Air Ports Module, Face Seal (for RQC/RTP-800 & RQC/RTP-1200)



"HN"/"HP"/"HT" 4 x 3/8" Fluid Ports Module, Non Spilling, Double Shut-Off (for RQC/RTP-800 & RQC/RTP-1200)



Automatic Tool Changers - Optional Air Modules
"RN"/"RP"/"RT" 6 x 1/4" Air Ports Module, Single Shut-Off Flat Face or
"SN"/"SP"/"ST" 6 x 1/4" Air Ports Module, Double Shut-Off Flat Face
 (for RQC/RTP-800 & RQC/RTP-1200)



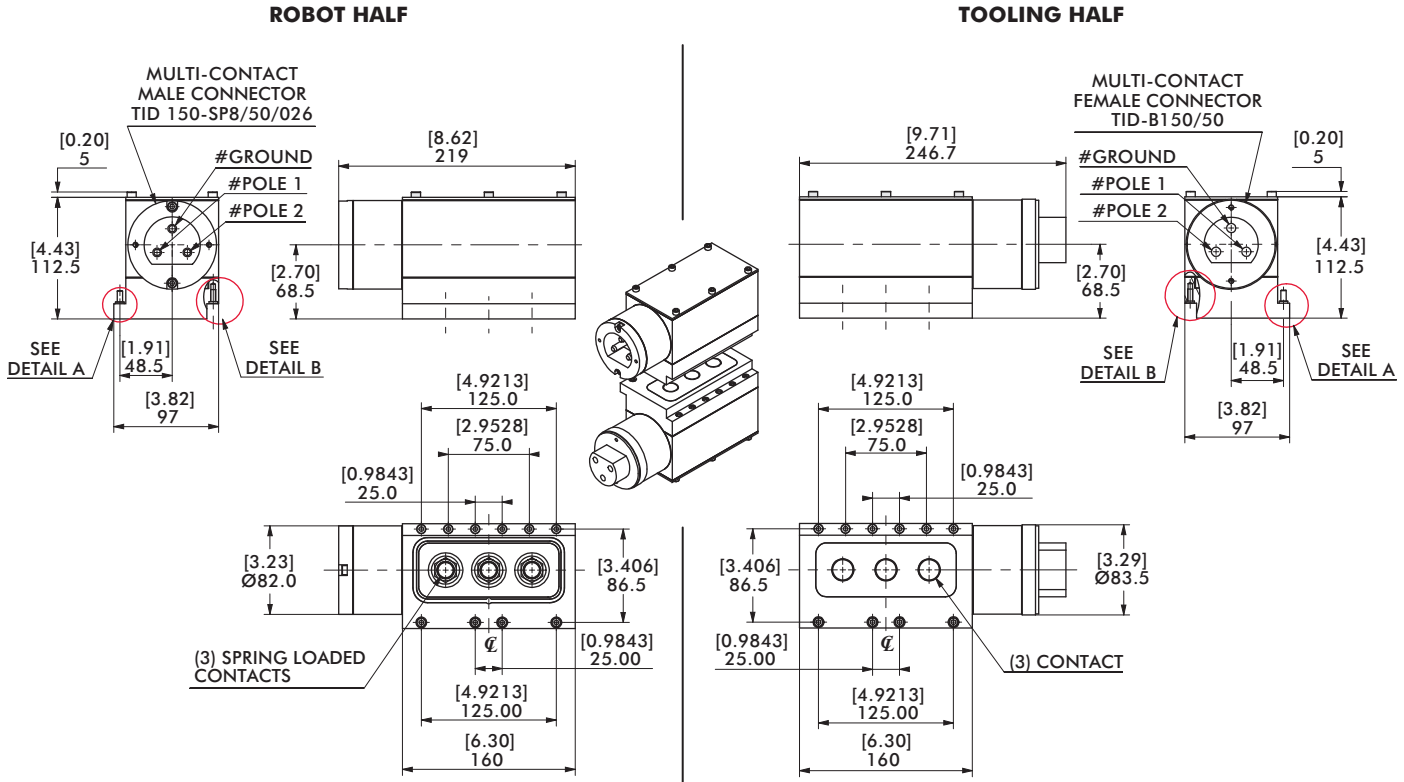
DOUBLE SHUT-OFF		
MODULE REPLACEMENT	ROBOT SIDE	TOOL SIDE
SN	KSN-RQC800	KSN-RTP800
SP	KSP-RQC800	KSP-RTP800
ST	KST-RQC800	KST-RTP800

SINGLE SHUT-OFF	
MODULE REPLACEMENT	TOOL SIDE
RN	KRN-RTP800
RP	KRP-RTP800
RT	KRT-RTP800

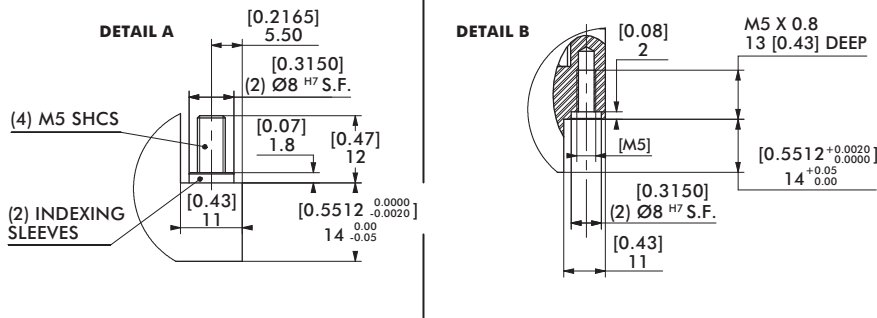
Module kits above include: Couplings, indexing sleeves and hardware.

Automatic Tool Changers - Optional Weld Gun Modules

"HI" 3 Contacts Module 180 Amp - 630 VAC (for RQC/RTP-800 & RQC/RTP-1200)



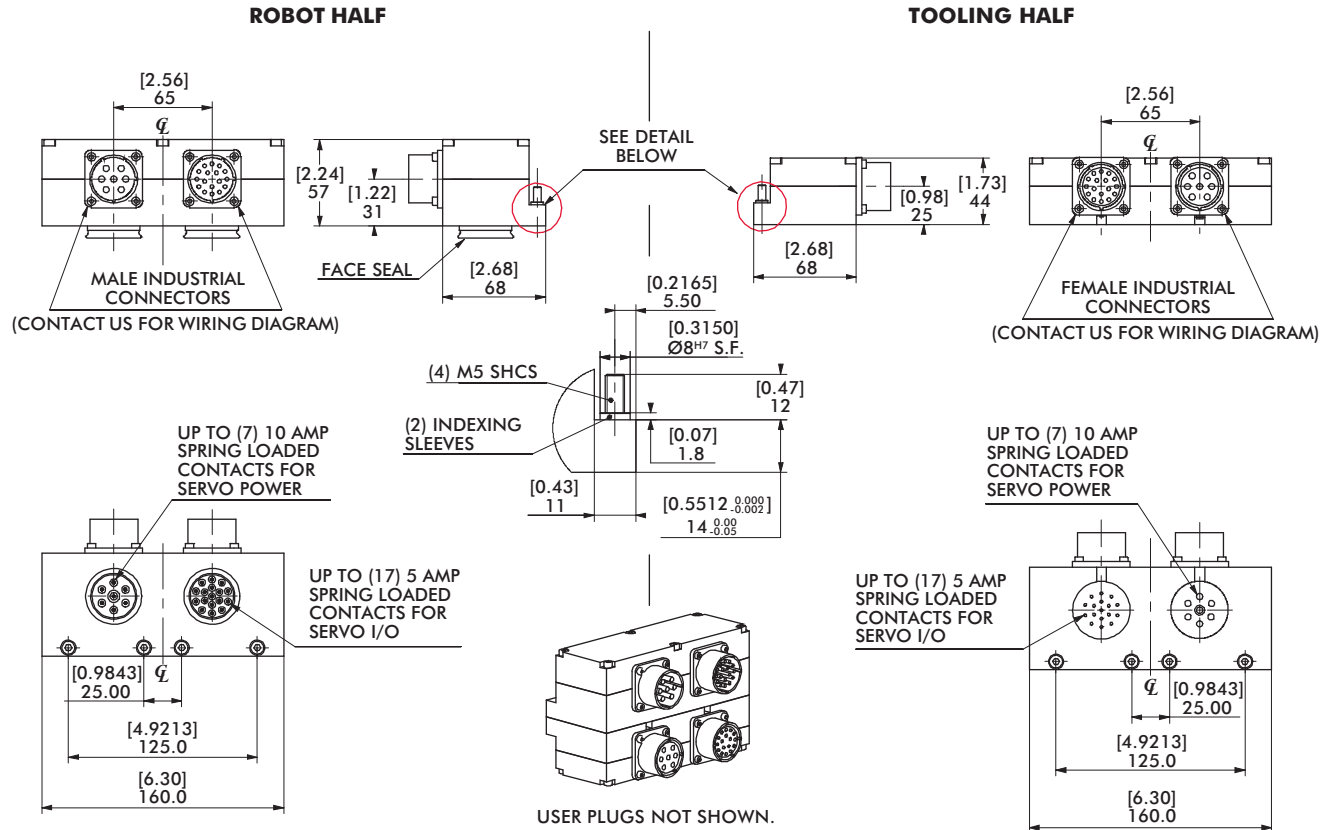
USER STRAIGHT PLUG NOT SHOWN.



Module kits above include: Straight plug (without cable, crimp contacts), seals, indexing sleeves and hardware.

MODULE REPLACEMENT	ROBOT SIDE	TOOL SIDE
HI	KHI-RQC800	KHI-RTP800

Automatic Tool Changers - Optional Weld Gun Modules
 "SRxx" Servo Module (for RQC/RTP-800 & RQC/RTP-1200)



Module kits above include: Plugs, seals, indexing sleeves and hardware.

MODULE REPLACEMENT	ROBOT SIDE	TOOL SIDE
SRxx †*	KSRxx-RQC800 †*	KSRxx-RTP800 †*

(†) The (xx) is replaced by two digits depending on wiring request. Wiring may depend on robot and welding gun specifications. Please consult factory.
 (*) SRxx module can be mounted on the HI module to use with electric welding gun. Order HISRxx.

Quick Disconnect Manual Tool Changers

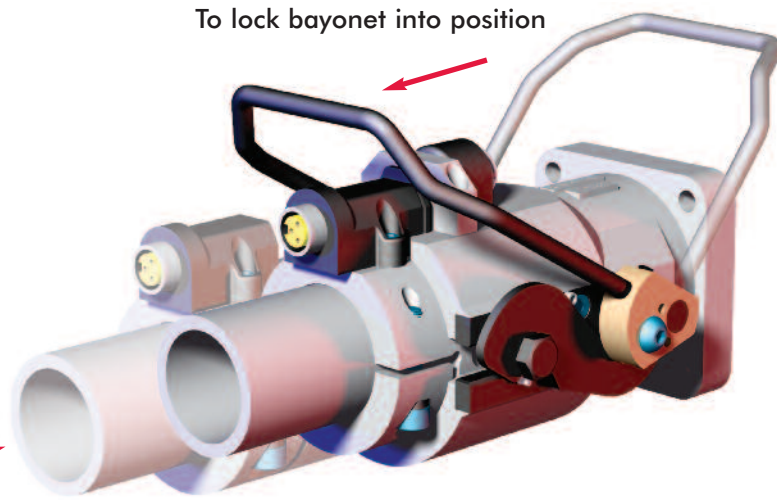
Features and Benefits

Change Tooling in a Snap

Our manual (shown) or fully automatic Quick Disconnect Tool Changers allow you to quickly switch between various tooling in seconds. Optional integral air ports provide immediate power to your system, eliminates manual re-connection of air lines, and reduces machine downtime.

Single Hand Handle Actuation

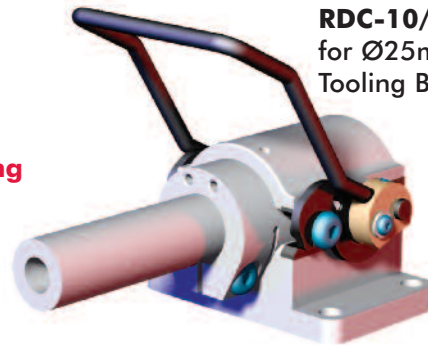
To lock into place and release bayonet.



"RDN"/"RDC" Features

(Handle in locking position)

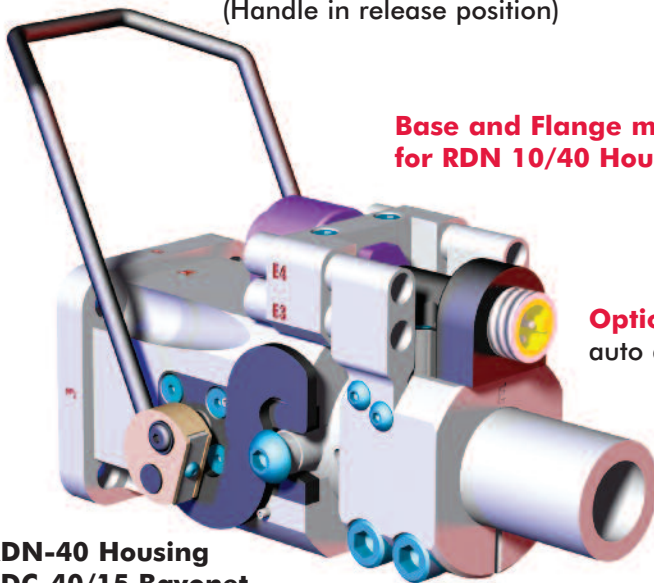
RDN-10 Housing
RDC-10/25M Bayonet
 for Ø25mm/1.00"(in)
 Tooling Boom/Tubes



(Handle in release position)

Base and Flange mounting
 for RDN 10/40 Housing

Optional air port modules
 auto disconnect when handle is released



RDN-40 Housing
RDC-40/15 Bayonet
 for Ø40mm/1.50"(in)
 Tooling Boom/Tubes

Patented internal urethane bumpers

ensure a tight interface between the robot and tool sides

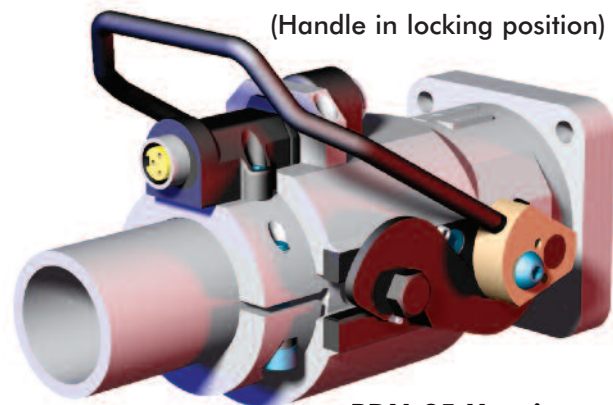
Air & electrical connections

stay properly sequenced when tool is removed.

Additional electrical connectors available

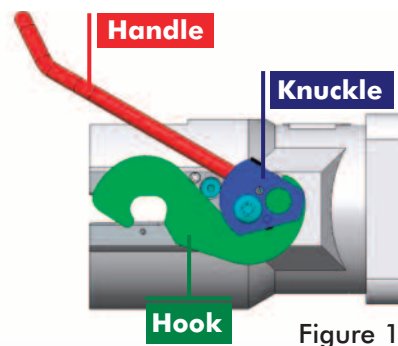
RDN-40 and RDH electrical connectors must be ordered separately from Housing/Bayonet.

(Handle in locking position)



RDN-25 Housing
RDC-60/25 Bayonet
 for Ø60mm/2.50"(in)
 Tooling Boom/Tubes

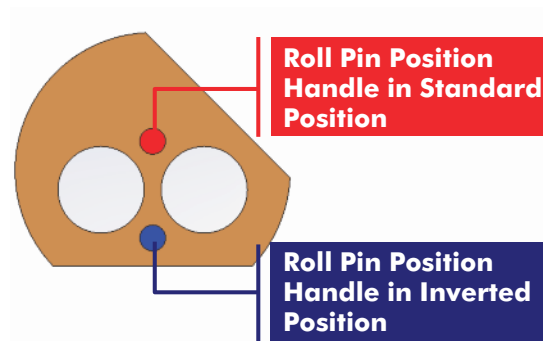
Quick Disconnect Manual Tool Changers RDN-25 (Ø60mm/2.50") Inverted Handle Procedure



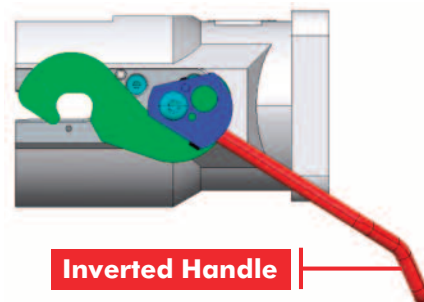
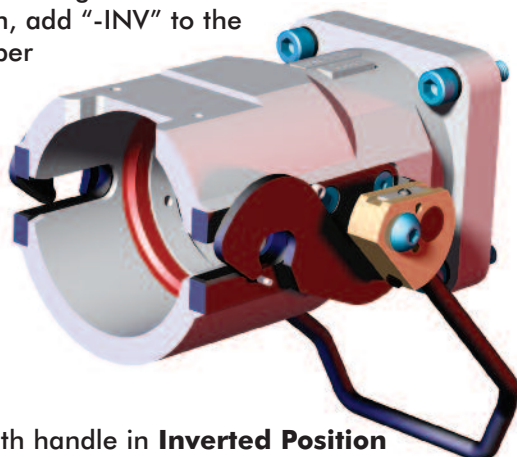
If the handle of the Quick Disconnect Housing interferes with other equipment, it can be inverted and accessed from below the housing. In the inverted position, the hooks and housing remain in the upright position.

1. Loosen the set screw at the base of the handle in each knuckle.
2. Unscrew the button head screw from each knuckle, then remove the handle. (See Figure 1)
3. Slide knuckles and hooks off the main body of the housing. (See Figure 1)
4. Slide hook off each knuckle.
5. Remove the roll pin in each knuckle and insert a 3/16 x 5/16 pin into the hole for the inverted handle position, as shown. (See Figure 2)
6. Rotate each knuckle 180° from previous position and reinstall the hooks. Return the knuckle/hook sub-assembly to the housing.
7. Reinstall handle in the inverted position and tighten set screws. (See Figure 3)

Figure 2 - Housing Knuckle



To order RDN-25 housing with handle in Inverted Position, add "-INV" to the end of order number



Quick Disconnect Housing for Ø25mm/1.00"(in) Boom/Tubes "RDN-10-1F" Flange Mount Housing

Features:

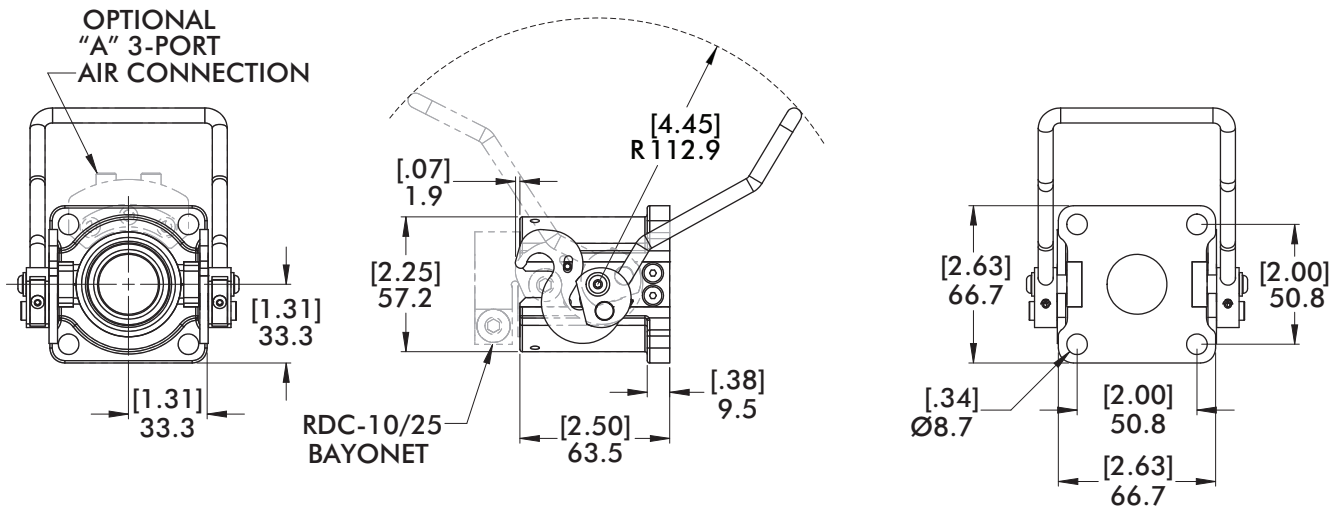
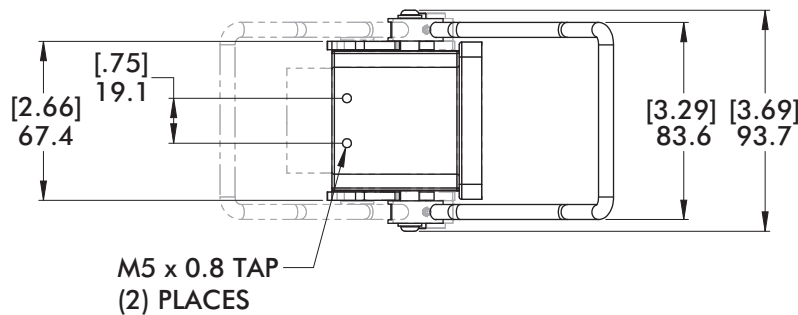
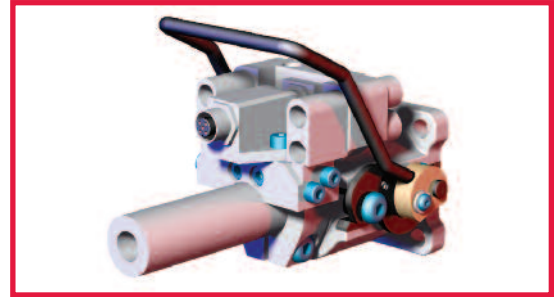
- 2.00" Sq. Flange Mounting.
- Steel handle actuation allows quick and accurate installation, pulling the bayonet into a fixed position within the housing. This action also engages optional air and electric connectors
- Internal urethane rings eliminate vibration and seat the bayonet securely.

Specifications:

Max. Static Product Load:
47 N*m [35 ft-lb]

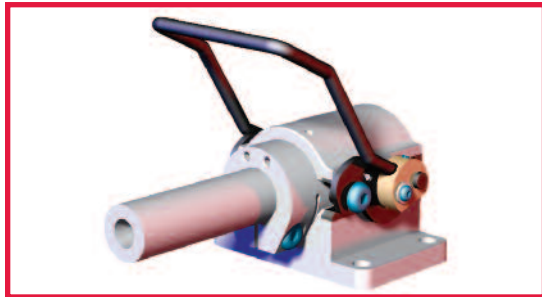
Material:
Body: Aluminum
Knuckles: Brass
Handle and Hooks: Steel
Inserts: Urethane

Weight:
0.63 kg [1.4 lb]



Model	Mounting	Air Port Connection	Electrical Connection
CPI — RDN-10 —	1F —	4AS —	5E
"RDN-10" Ø25mm/1.00" Quick Disconnect Housing	"1F" Flange Type Mounting	"1A" (3-Port Connector) "5A" (5-Port Connector) "4AS" (4-Port Connector) (Leave blank for No Options) See page 24-25 for Details	"5E" (5-Pin Connector) (Only available for "4AS" Option) See page 25 for Details

Quick Disconnect Housing for Ø25mm/1.00"(in) Boom/Tubes "RDN-10-1B" Base Mount Housing



Specifications:

Max. Static Product Load:
47 N*m [35 ft-lb]

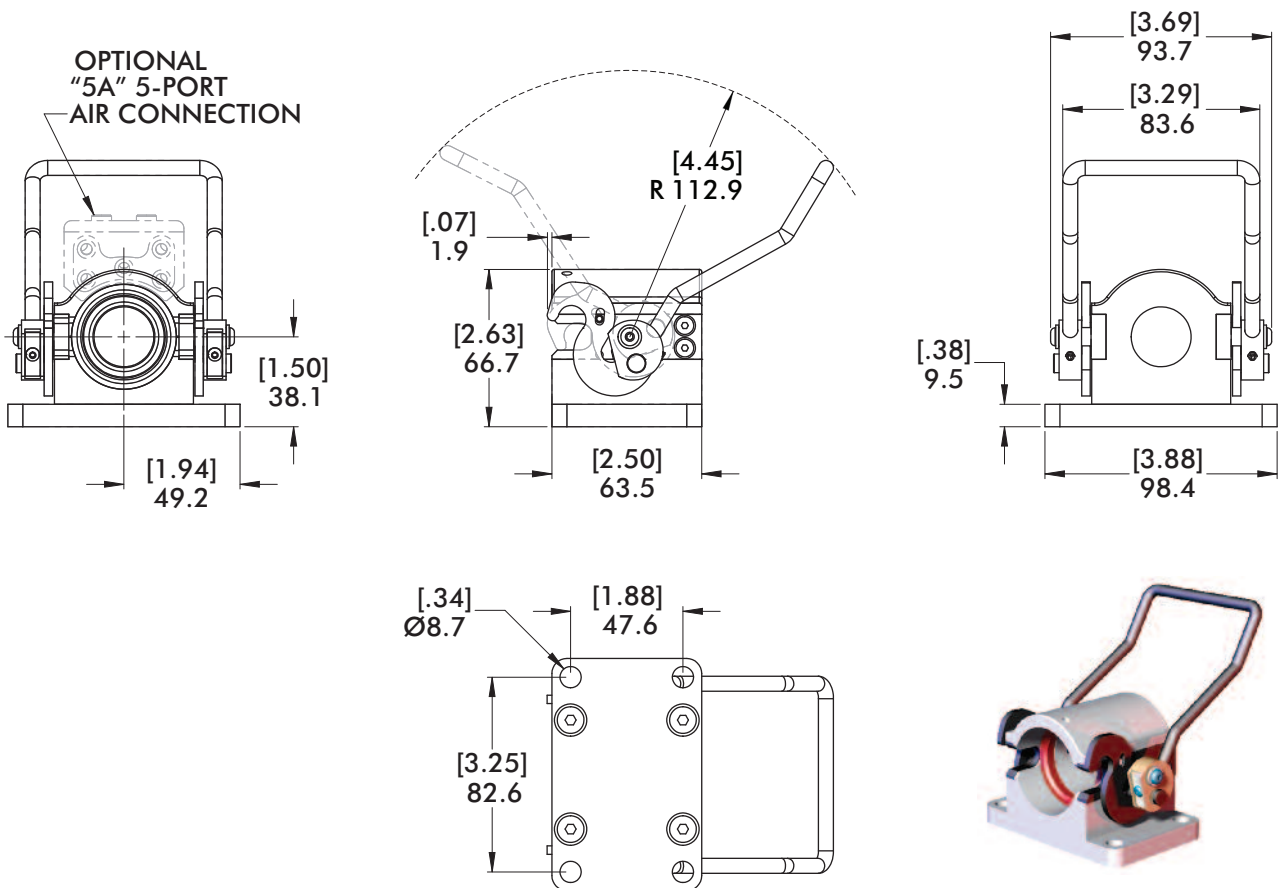
Material:

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

Weight:
0.82 kg [1.8 lb]

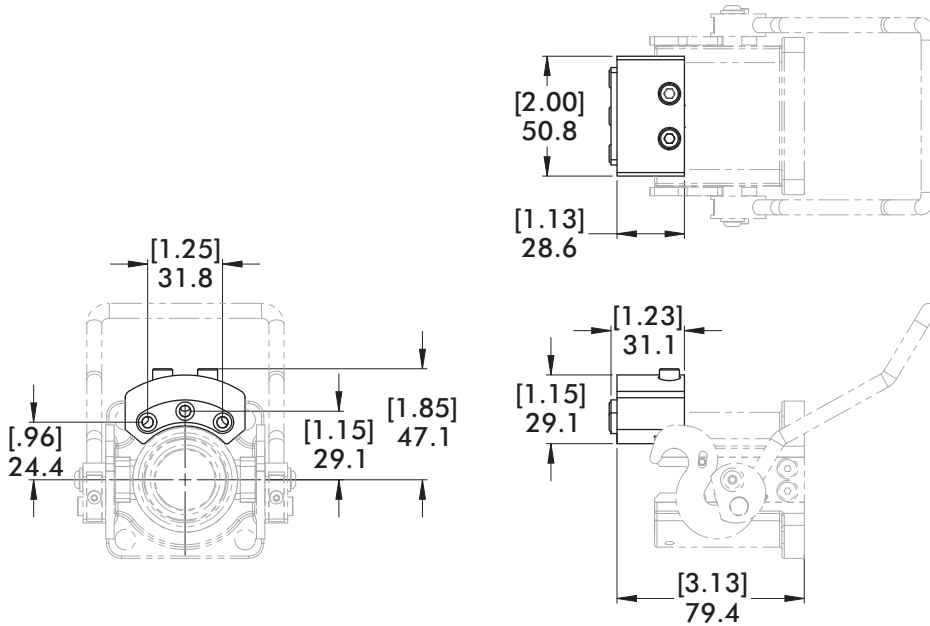
Features:

- 1.88" x 3.25" Base Mounting.
- Steel handle actuation allows quick and accurate installation, pulling the bayonet into a fixed position within the housing. This action also engages optional air and electric connectors
- Internal urethane rings eliminate vibration and seat the bayonet securely.



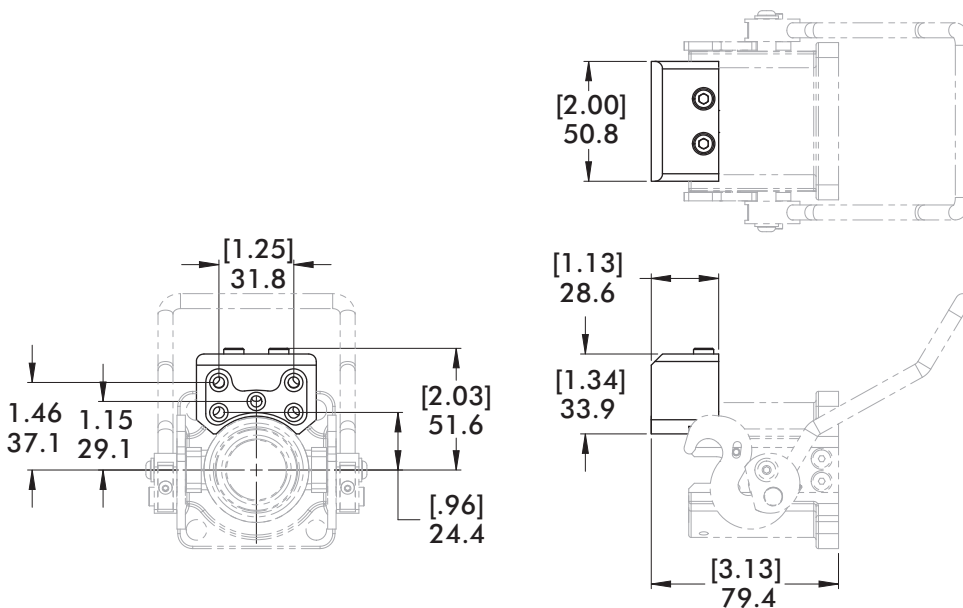
	CAD			
Model	Mounting	Air Port Connection	Electrical Connection	
CPI — RDN-10 —	1B —	4AS —	5E	
 "RDN-10" Ø25mm/1.00" Quick Disconnect Housing	 "1B" Base Type Mounting	 "1A" (3-Port Connector) "5A" (5-Port Connector) "4AS" (4-Port Connector) (Leave blank for No Options) See page 24-25 for Details	 "5E" (5-Pin Connector) (Only available for "4AS" Option) See page 25 for Details	

Quick Disconnect Housing for $\varnothing 25\text{mm}/1.00\text{''(in)}$ Boom/Tubes
"1A" 3-Port Air Connection



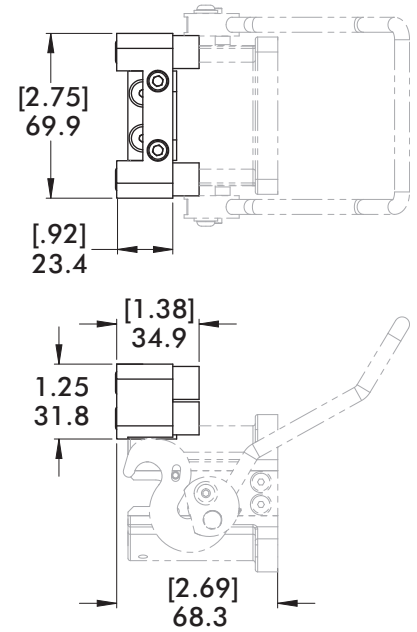
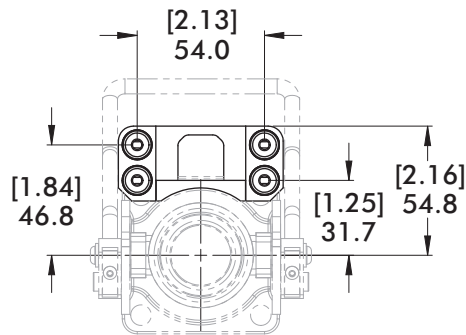
REPLACEMENT PART
RDN-10-8

"5A" 5-Port Air Connection



REPLACEMENT PART
RDN-10-9

Quick Disconnect Housing for Ø25mm/1.00"(in) Boom/Tubes
 "4AS" 4-Port Air Connection with Shutoff

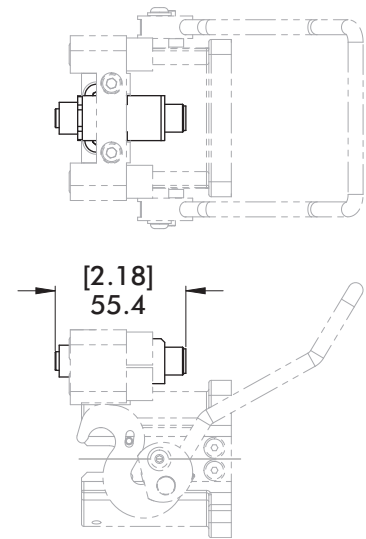
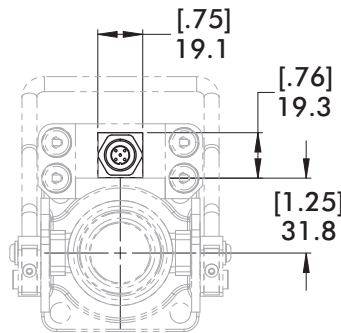
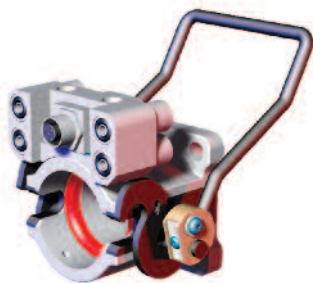


REPLACEMENT PART
CPI-RDN-10-4AS

Air fittings
 (4) Needed
RDN-AS-U18



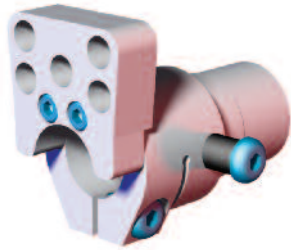
"5E" 5-Pin Micro Electric Connection



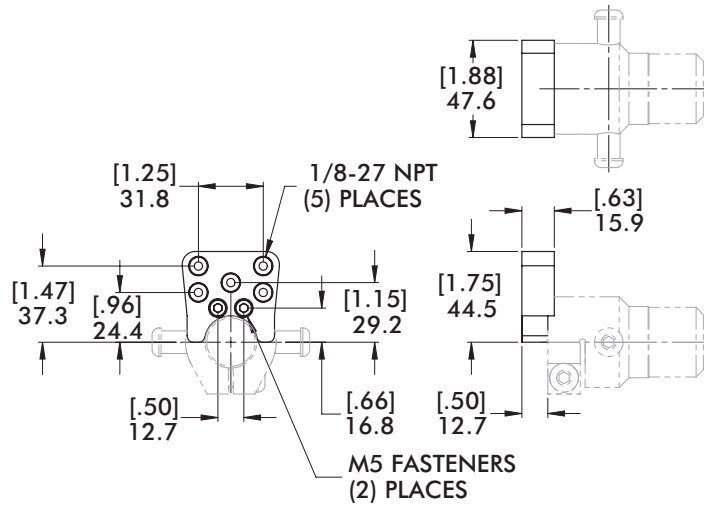
See Page 35 for
 Pin Configuration

REPLACEMENT PART
CPI-RDH-F5S-5MCM

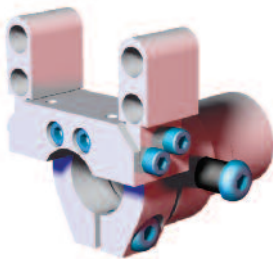
Quick Disconnect Bayonet for Ø25mm/1.00"(in) Boom/Tubes "5A" 5-Port Air Connection



REPLACEMENT PART
RDC-10-5

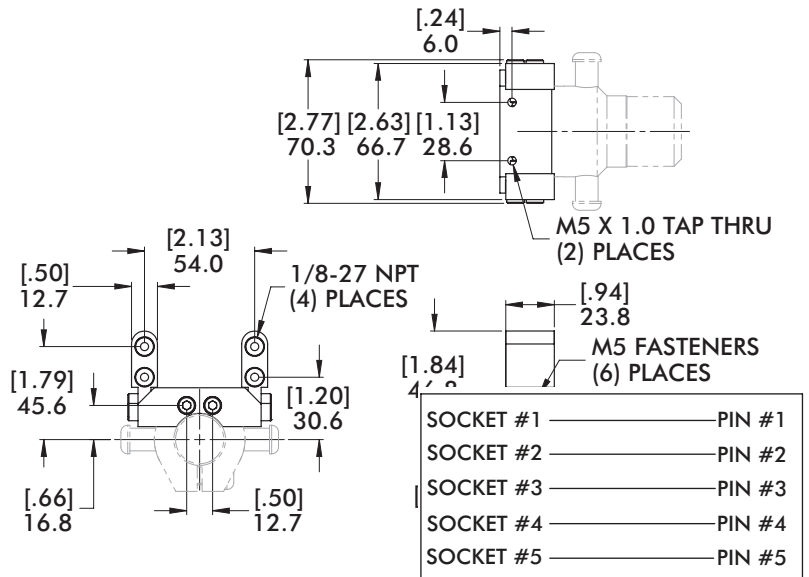


"4AS" 4-Port Air Connection with Shutoff

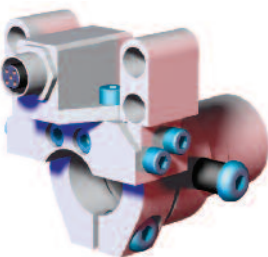


(2) Required

REPLACEMENT PART
RDC-10-4

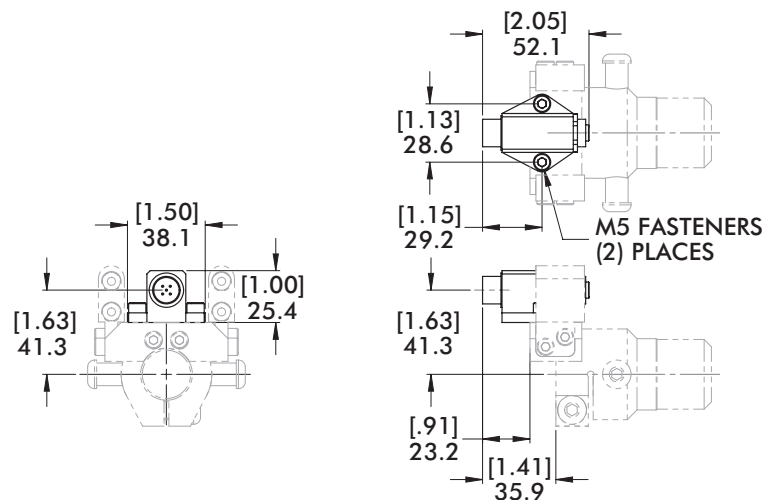


"5E" 5-Pin Micro Electric Connection

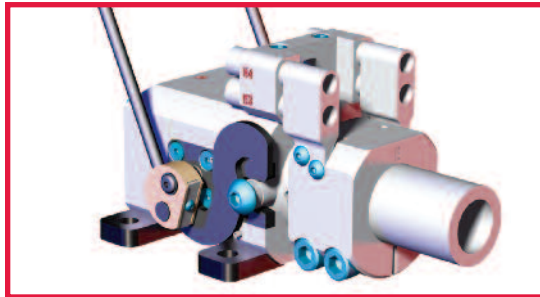


See Page 38 for Pin Configuration

REPLACEMENT PART
CPI-RDB-M5P-5MCF



Quick Disconnect Housing for Ø40mm/1.50"(in) Boom/Tubes "RDN-40-1B" Base Mount Housing



Specifications:

Max. Static Product Load:
305 N*m [225 ft-lb]

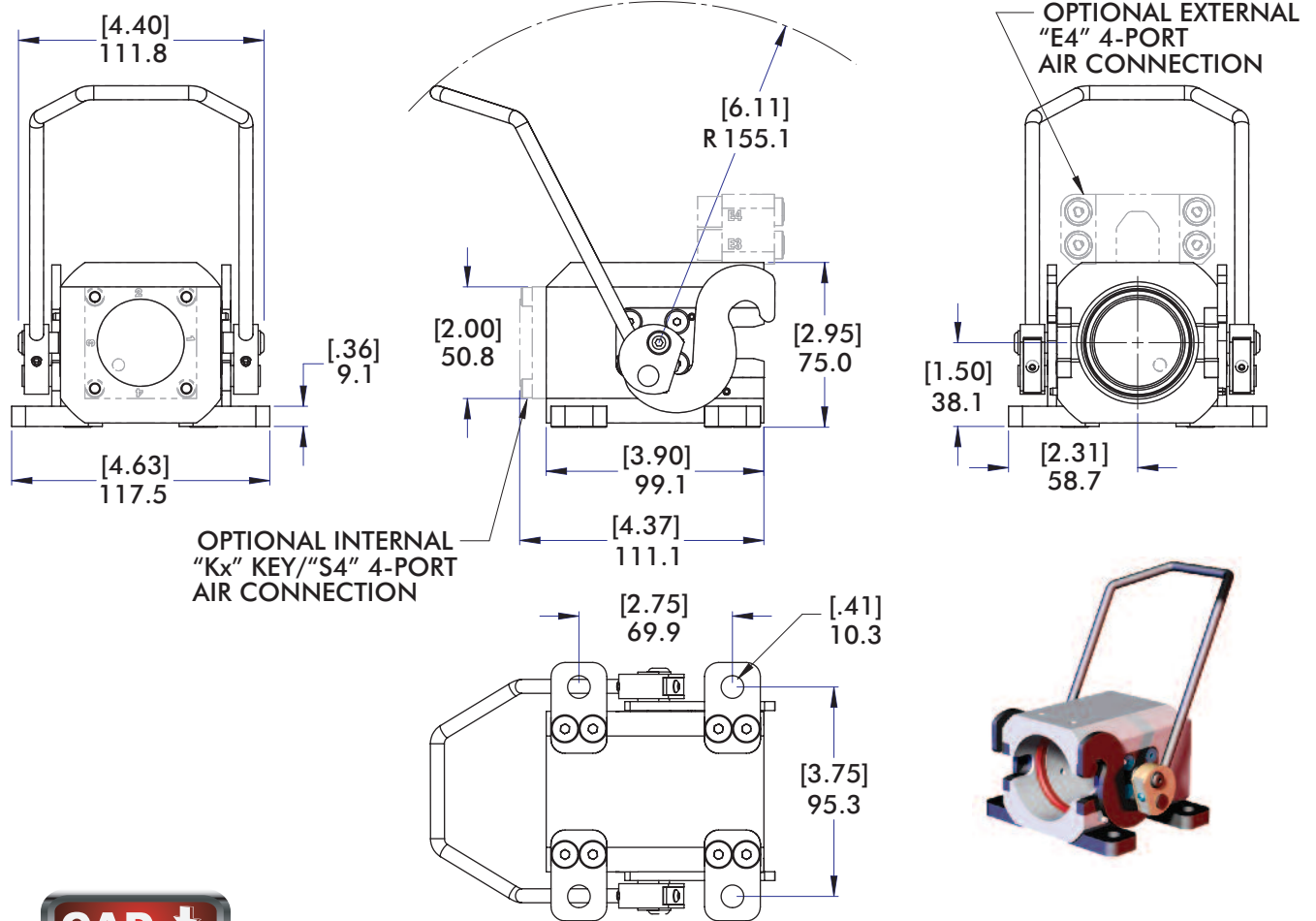
Material:

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

Weight:
1.4 kg [3.1 lb]

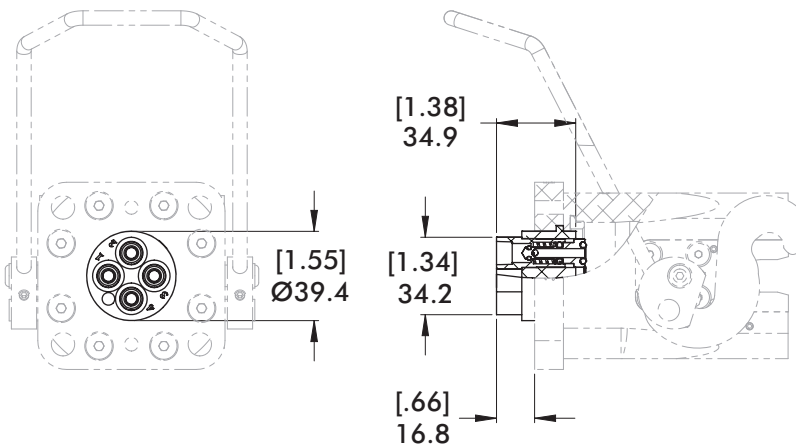
Features:

- 2.75" x 3.75" Base Mounting.
- Steel handle actuation allows quick and accurate installation, pulling the bayonet into a fixed position within the housing. This action also engages optional air and electric connectors
- Internal urethane rings eliminate vibration and seat the bayonet securely.

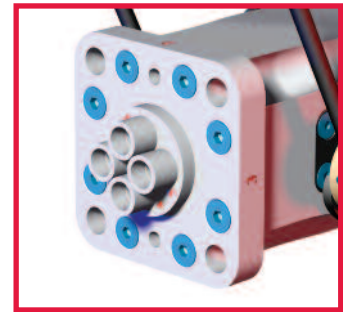


	Model	Mounting	Air Port Connection	Key Position	Electrical Connection	Add for "E4" Air Port Connection Only
CPI	RDN-40	1B	S4	K2	MCE	HF
	"RDN-40" Ø40mm/1.50" Quick Disconnect Housing	"1B" Base Type Mounting	"S4" (4-Port Internal) "E4" (4-Port External) "E6" (6-Port External) "SE4" (4-Port Int & Ext) (Leave blank for No Options) See page 30-32 for Details	"K1" "K2" "K3" "K4" (Leave blank for No Options) See page 31 for Details	"MC" (Micro 5-Pin) "MN" (Mini 3-Pin) (Leave blank for No Options) See page 33 for Details	

Quick Disconnect Housing for Ø40mm/1.50"(in) Boom/Tubes
"S4" 4-Port Internal Air Connection for Flange Style Mounting



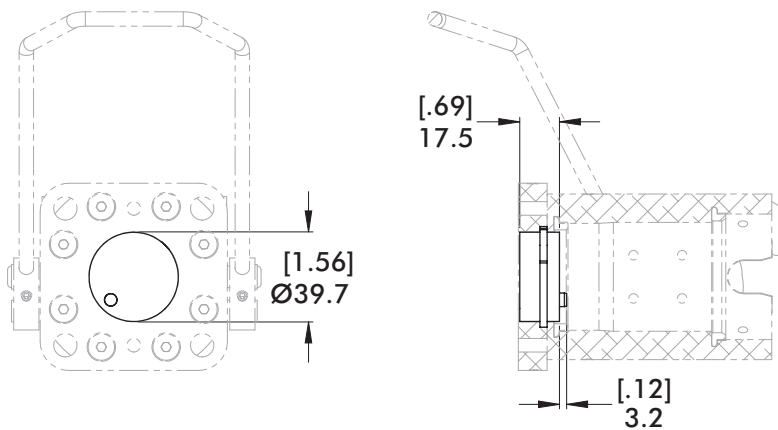
Dowels
 (1) Needed
M6 x 25mm



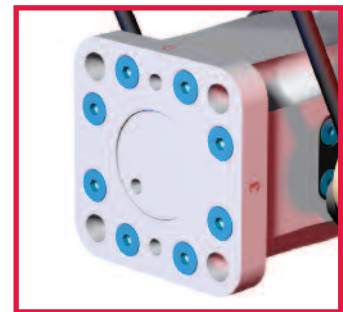
Air fittings
 (4) Needed
RDN-AS-U18

REPLACEMENT PART
RDN-40-10-IAB

"Kx" Locating Key for Base Style Mounting

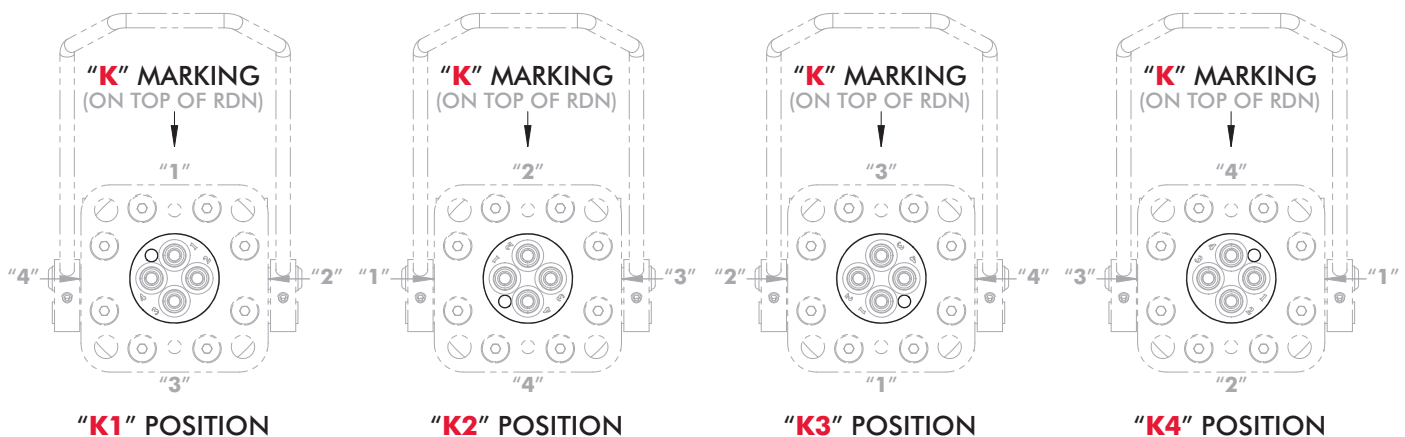
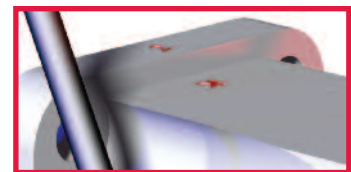


Dowels
 (1) Needed
M6 x 25mm

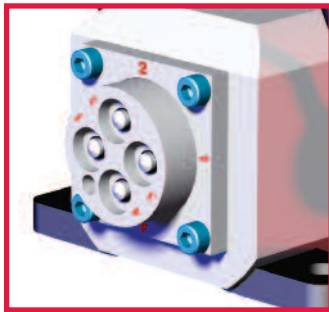


REPLACEMENT PART
RDN-40-10-IKB

"S4" and "Kx" Internal Key Position for Flange Style Mounting



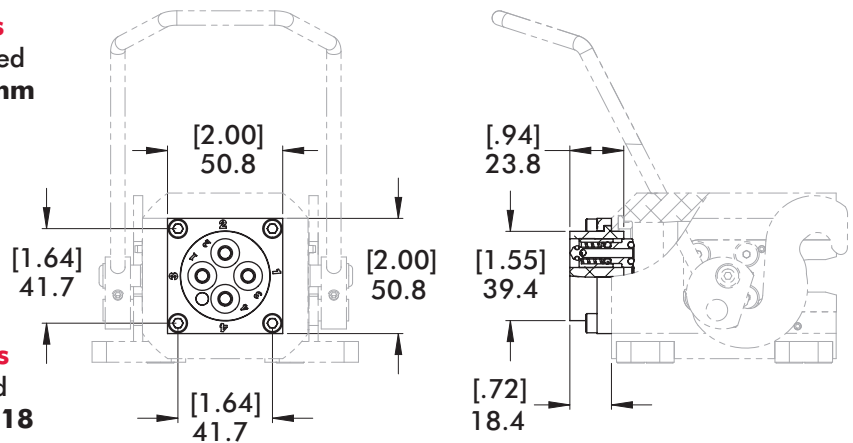
Quick Disconnect Housing for Ø40mm/1.50"(in) Boom/Tubes
"S4" 4-Port Internal Air Connection for Base Style Mounting



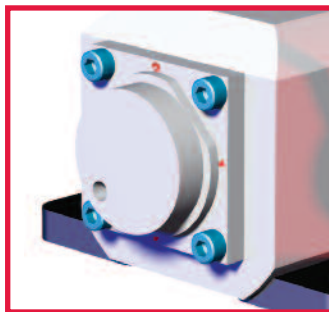
REPLACEMENT PART
RDN-40-10-IAB

Dowels
 (1) Needed
M6 x 25mm

Air fittings
 (4) Needed
RDN-SAS-U18

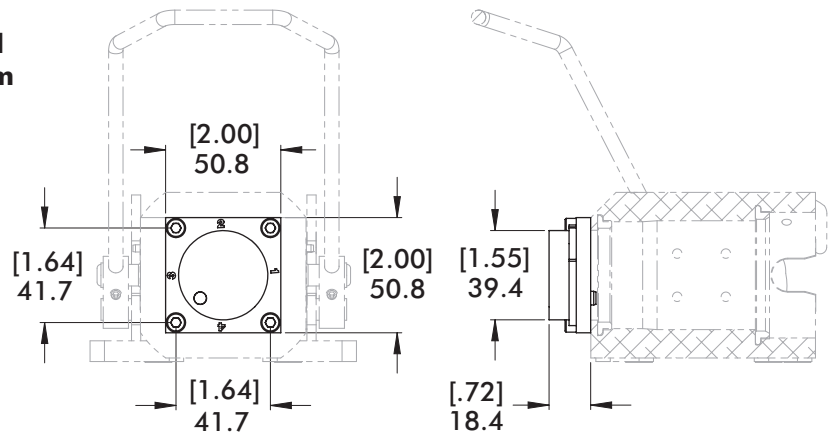


"Kx" Locating Key for Base Style Mounting



REPLACEMENT PART
RDN-40-10-IKB

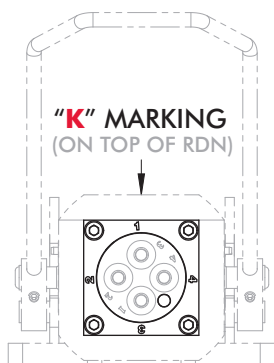
Dowels
 (1) Needed
M6 x 25mm



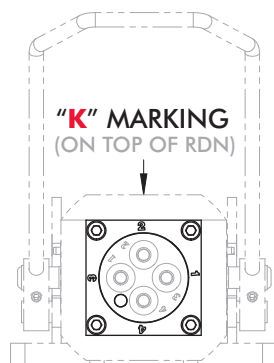
"S4" and "Kx" Internal Key Position for Base Style Mounting



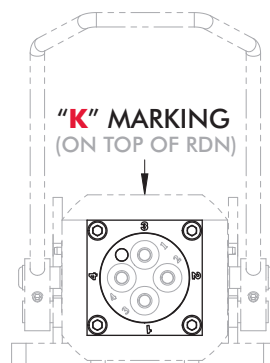
BASE MOUNT RING
 (1) Needed
RDN-40-3-MR



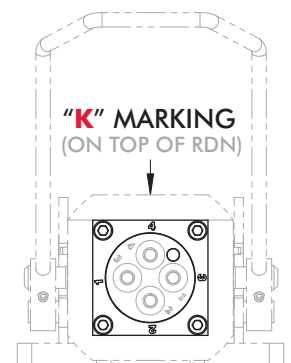
"K1" POSITION



"K2" POSITION

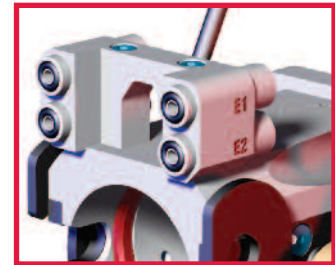
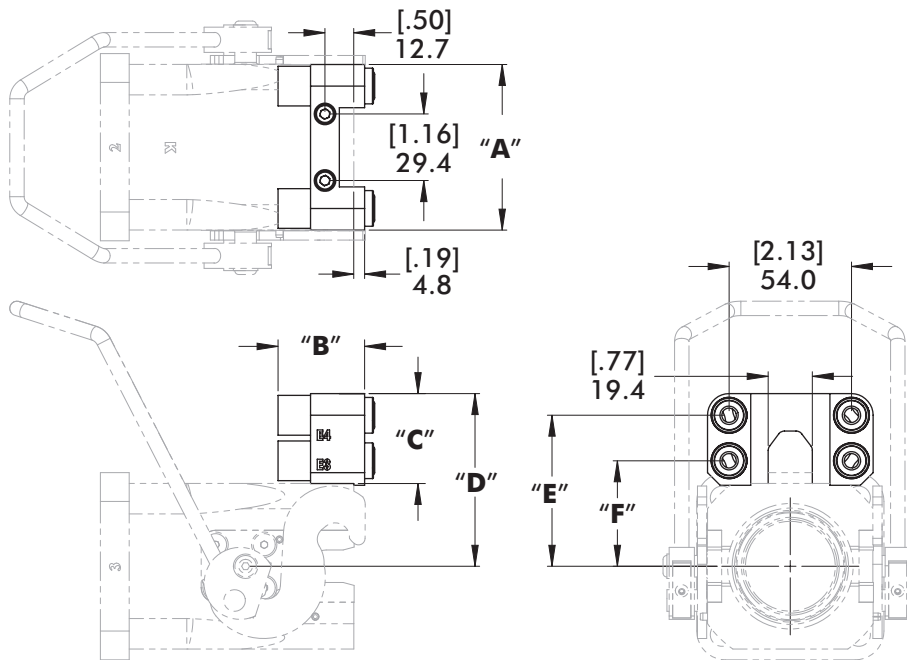


"K3" POSITION



"K4" POSITION

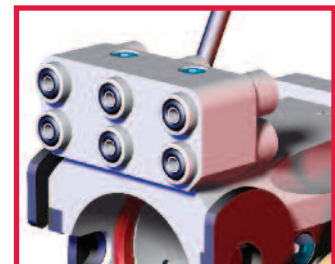
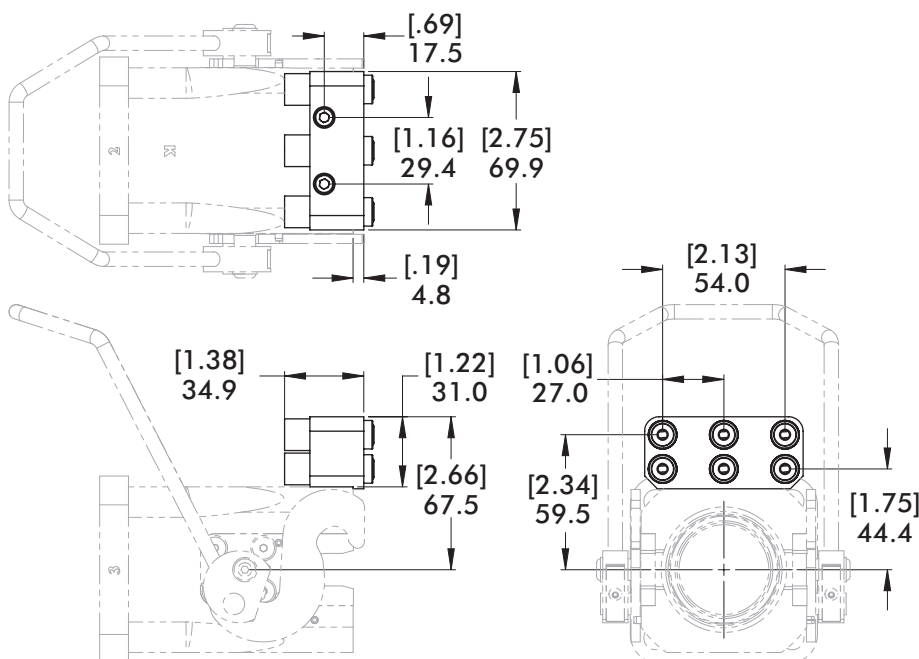
Quick Disconnect Housing for $\text{\O}40\text{mm}/1.50\text{"(in)}$ Boom/Tubes **"E4"** 4-Port External Air Connection



Air fittings
 (4) Needed
RDN-AS-U18

ORDER OPTION	REPLACEMENT PART	"A"	"B"	"C"	"D"	"E"	"F"	WEIGHT
"E4" (Standard High Flow)	CPI-RDN-40-4AS-HF	[2.88] 73.0	[1.50] 38.1	[1.56] 39.6	[3.00] 76.1	[2.62] 66.6	[1.83] 46.5	[2.90 lb] 1.32 kg
(Replacement for "E4" Legacy Applications only)	CPI-RDN-40-4AS	[2.75] 69.9	[1.38] 34.9	[1.22] 31.0	[2.66] 67.5	[2.34] 59.5	[1.75] 44.4	[2.89 lb] 1.31 kg

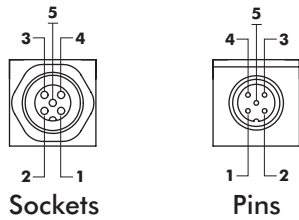
"E6" 6-Port External Air Connection



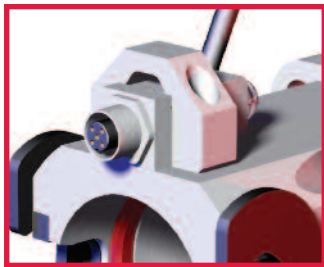
REPLACEMENT PART
RDN-40-10-6PA

Air fittings
 (6) Needed
RDN-AS-U18

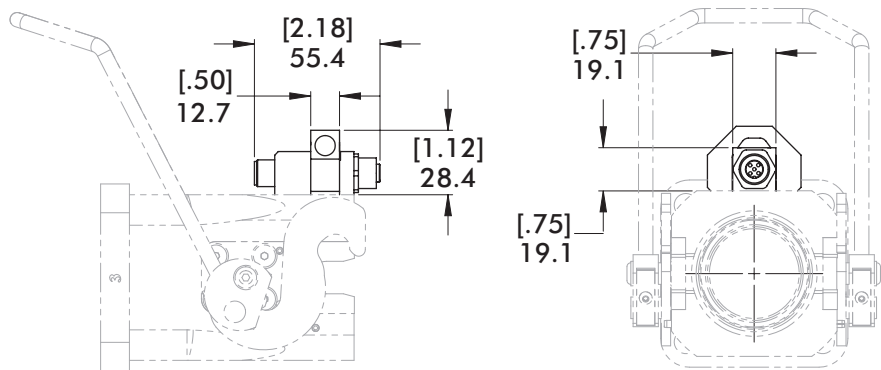
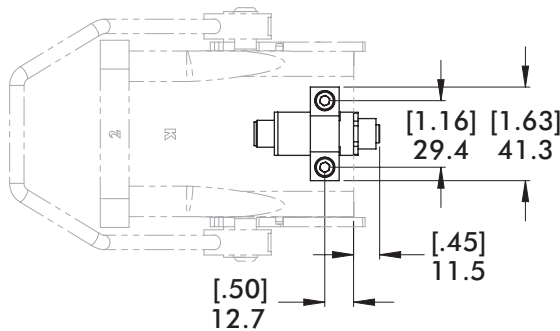
Quick Disconnect Housing for Ø40mm/1.50"(in) Boom/Tubes "MC" 5-Pin Micro Electric Connection



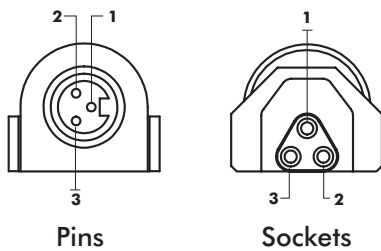
SOCKET #1	PIN #1
SOCKET #2	PIN #2
SOCKET #3	PIN #3
SOCKET #4	PIN #4
SOCKET #5	PIN #5



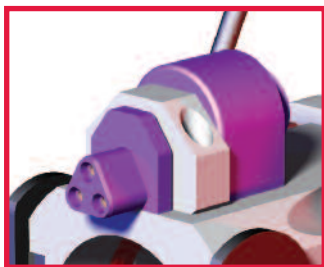
REPLACEMENT PART
CPI-RDH-F5S-5MCM



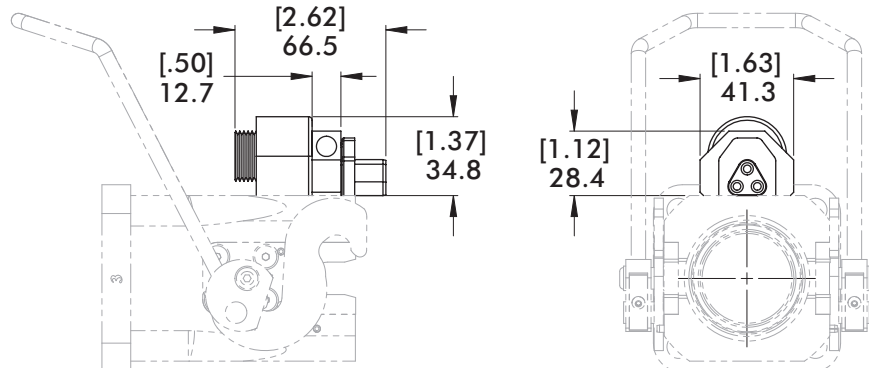
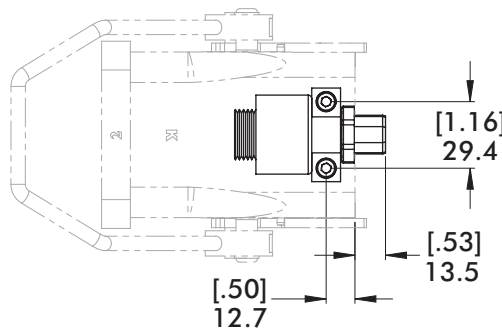
"MN" 3-Pin Mini Electric Connection



SOCKET #1	PIN #1
SOCKET #2	PIN #2
SOCKET #3	PIN #3



REPLACEMENT PART
CPI-TTH-F3S-3B3



Quick Disconnect Bayonet for Ø40mm/1.50"(in) Boom/Tubes

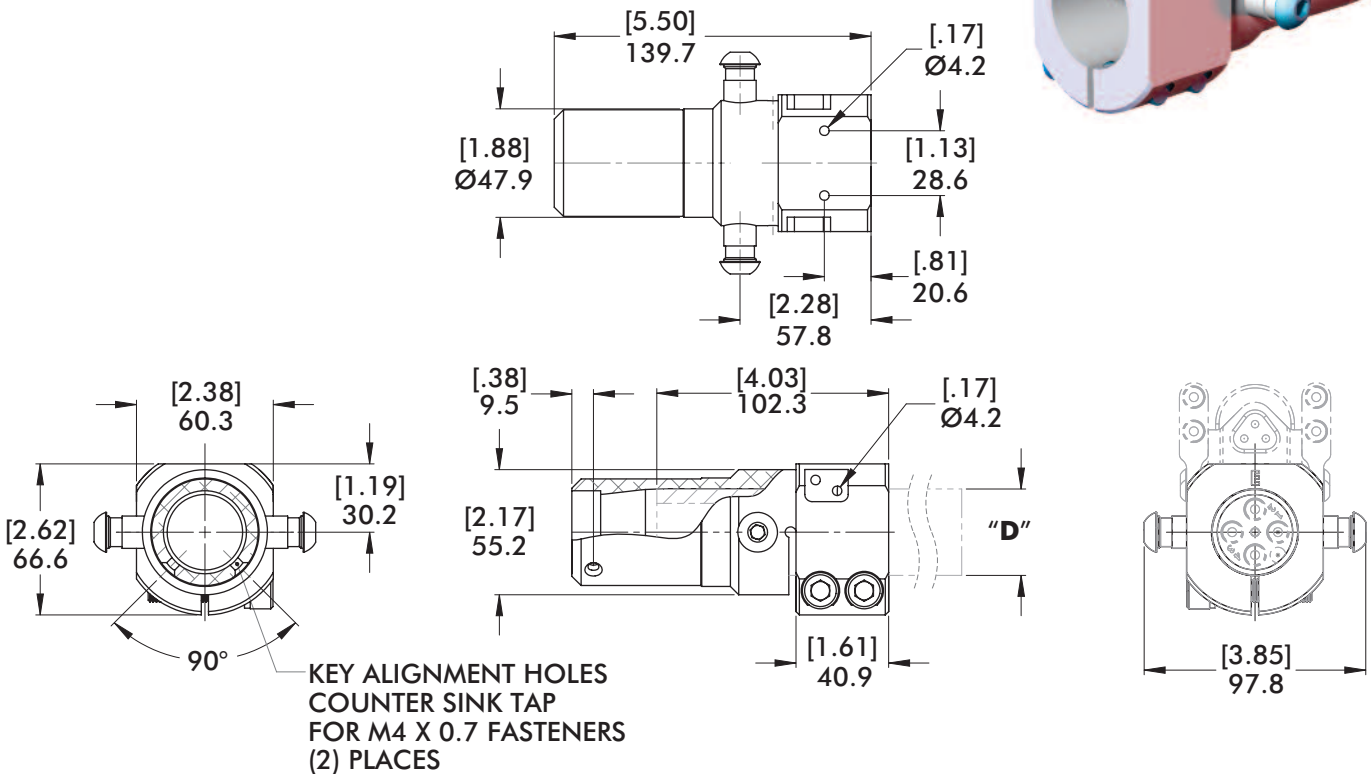
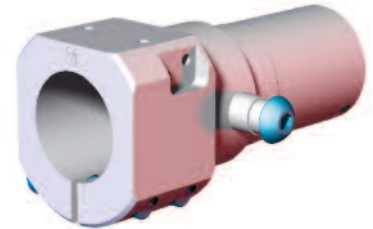
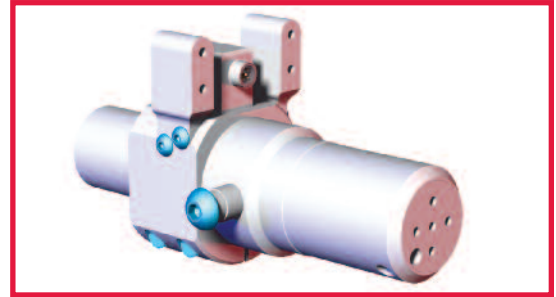
"RDC-xx" Bayonet

Features:

- Used in conjunction with the Quick Disconnect Housing to provide efficient mode of changing tools manually.
- (2) Hardened alignment pins allows quick and accurate installation into the bayonet.
- Optional internal key positioning prevents bayonet from being inserted in the wrong orientation.

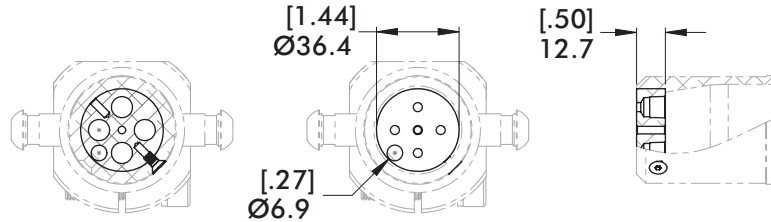
Specifications:

- Max. Static Product Load:**
305 N*m [225 ft-lb]
- Material:**
Body: Aluminum
Pins: Steel
- Weight:**
1.6 kg [3.5 lb]



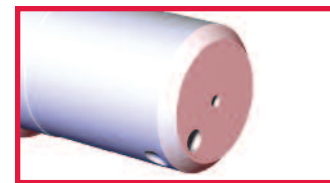
Model	Boom/Tube (Ø) "D"	Air Port Connection	Key Position	Electrical Connection	Add for "E4" Air Port Connection Only
CPI - RDC	40	S4	K1	MC	HF
"RDC" Quick Disconnect Bayonet	"15" 1.50"(in) "40" 40mm Add "-1" after Boom/Tube (Ø) for No Options	"S4" (4-Port Internal) "E4" (4-Port External) "E6" (6-Port External) "SE4" (4-Port Int & Ext) (Leave blank for No Options) See page 35-36 for Details	"K1" "K2" "K3" "K4" (Leave blank for No Options) See page 35 for Details	"MC" (Micro 5-Pin) "MN" (Mini 3-Pin) (Leave blank for No Options) See page 37 for Details	

Quick Disconnect Bayonet for Ø40mm/1.50"(in) Boom/Tubes "S4" 4-Port Internal Air Connection and "Kx" Locating Key



"S4" 4-Port Internal Air Connection

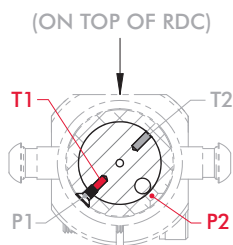
REPLACEMENT PART
RDC-40-4-IAB



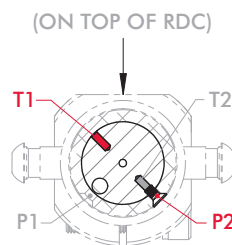
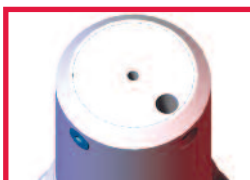
"Kx" Locating Key
(x) Refers to Position

REPLACEMENT PART
RDC-40-4-IKB

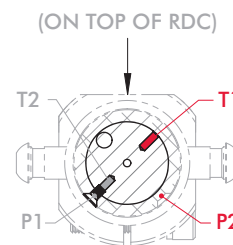
"S4" and "Kx" Internal Key Position



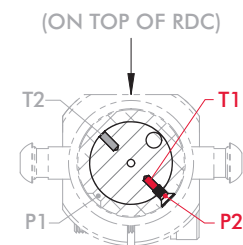
"K1" POSITION
FASTENER IN
(P1/T1)



"K2" POSITION
FASTENER IN
(P2/T2)



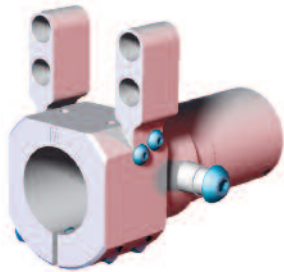
"K3" POSITION
FASTENER IN
(P1/T2)



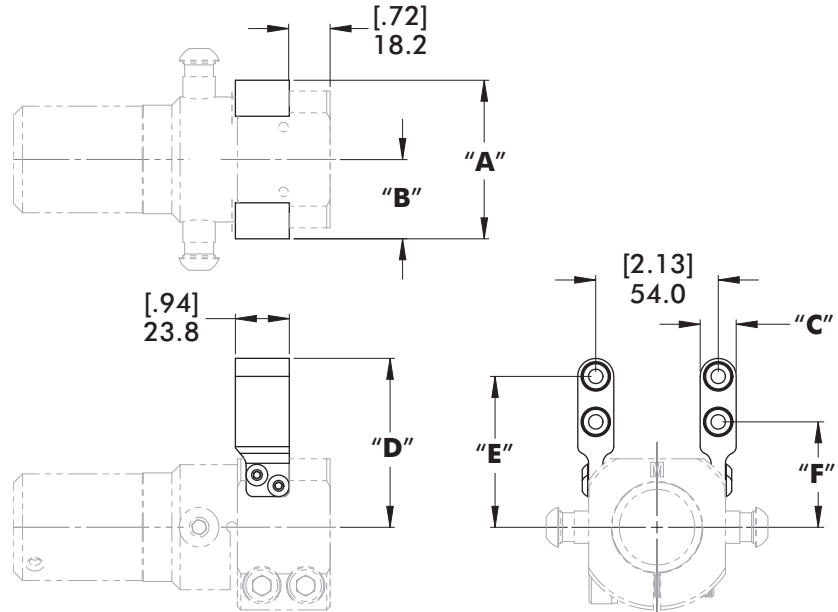
"K4" POSITION
FASTENER IN
(P2/T1)



Quick Disconnect Bayonet for $\text{\O}40\text{mm}/1.50\text{''(in)}$ Boom/Tubes **"E4"** 4-Port External Air Connection

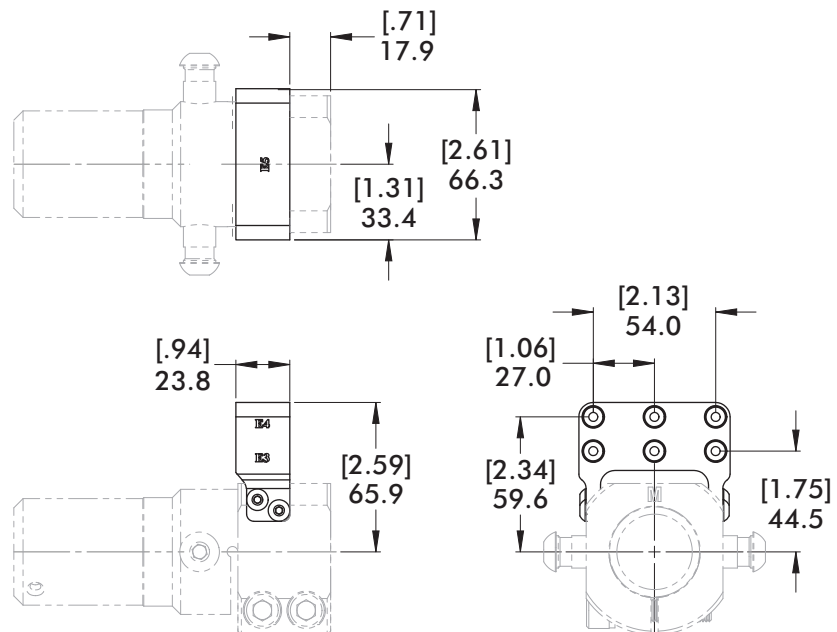
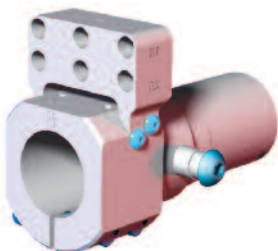


(2) Required



ORDER OPTION	REPLACEMENT PART	"A"	"B"	"C"	"D"	"E"	"C"	WEIGHT
"E4" (Standard High Flow)	CPI-RDC-40-4-HF	[2.75] 69.9	[1.38] 34.9	[1.56] 39.6	[3.00] 76.1	[2.62] 66.6	[1.83] 46.5	[2.90 lb] 1.32 kg
(Replacement for "E4" Legacy Applications only)	CPI-RDC-40-4	[2.63] 66.7	[1.30] 32.9	[1.22] 31.0	[2.66] 67.5	[2.34] 59.5	[1.75] 44.4	[2.89 lb] 1.31 kg

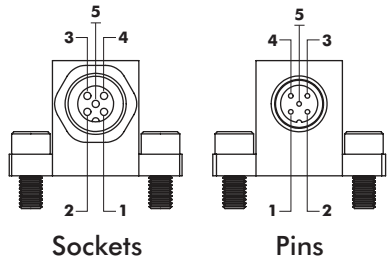
"E6" 6-Port External Air Connection



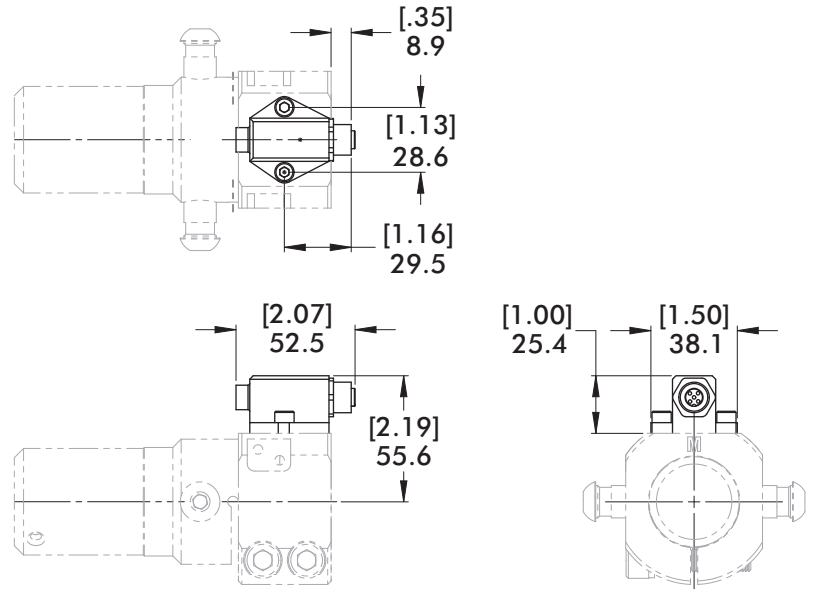
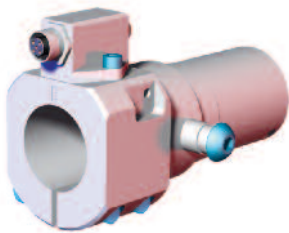
REPLACEMENT PART

RDC-40-4-6PA

Quick Disconnect Housing for Ø40mm/1.50"(in) Boom/Tubes
 "MC" 5-Pin Micro Electric Connection



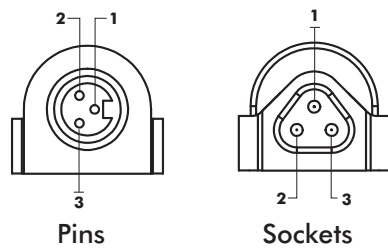
SOCKET #1	PIN #1
SOCKET #2	PIN #2
SOCKET #3	PIN #3
SOCKET #4	PIN #4
SOCKET #5	PIN #5



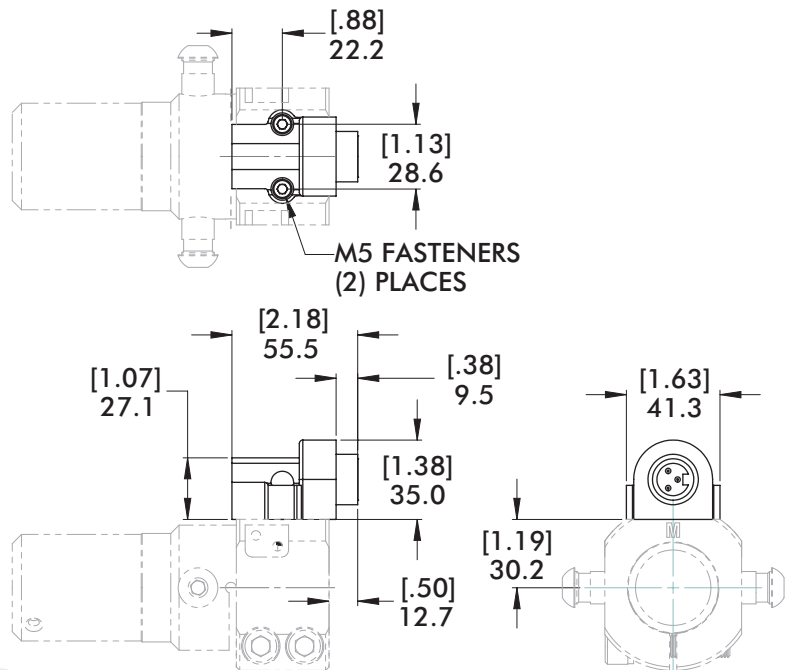
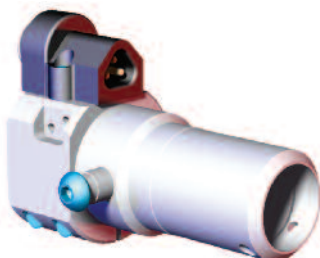
REPLACEMENT PART
CPI-RDB-M5P-5MCF



"MN" 3-Pin Mini Electric Connection



SOCKET #1	PIN #1
SOCKET #2	PIN #2
SOCKET #3	PIN #3



REPLACEMENT PART
CPI-TTB-M3P-3B3



Quick Disconnect Housing for Ø60mm/2.50"(in) Boom/Tubes "RDN-25-6" Flange Mount Housing

Features:

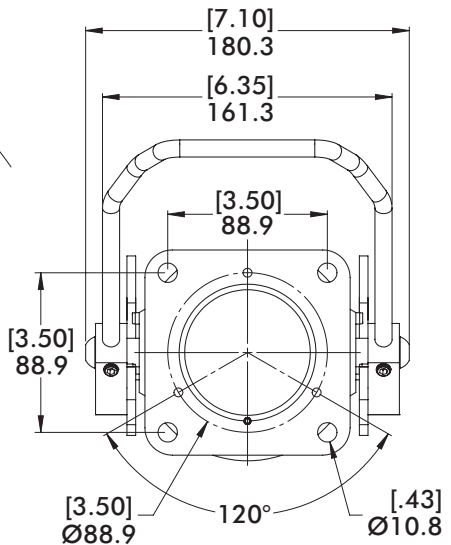
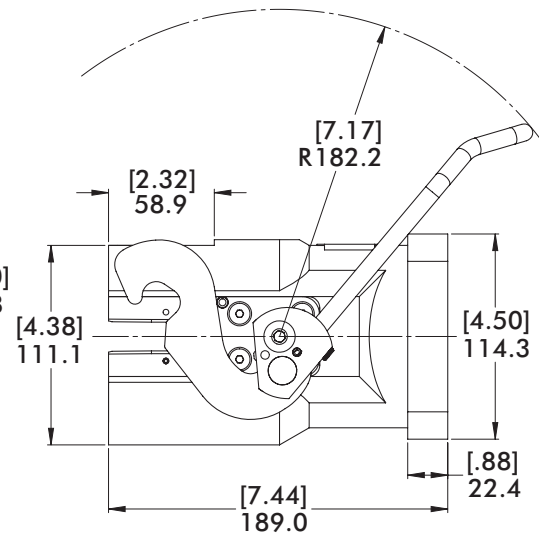
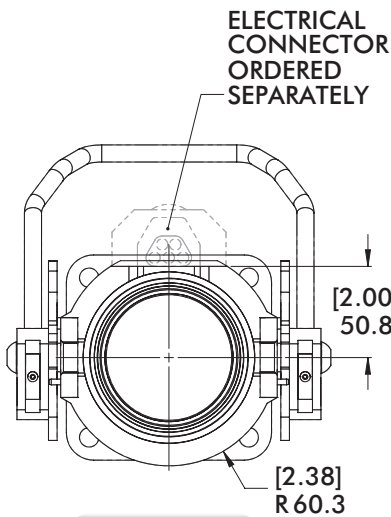
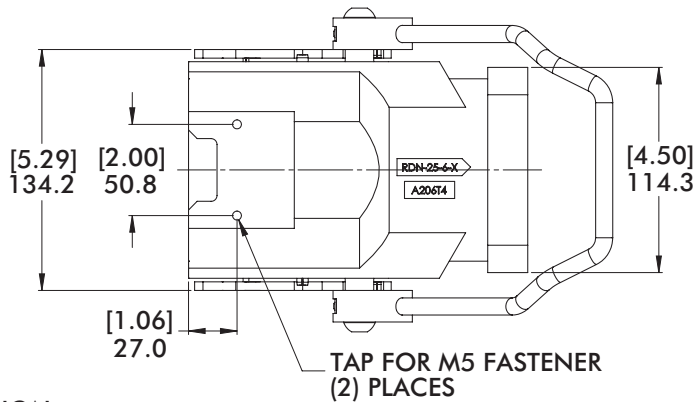
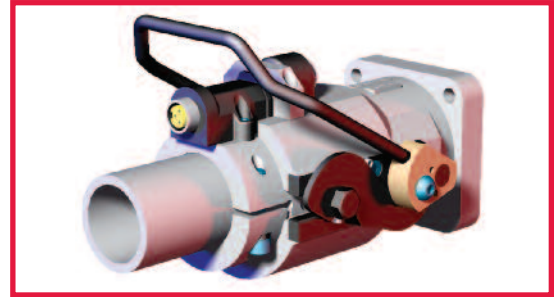
- 3.50" Sq. Flange Mounting.
- Steel handle actuation allows quick and accurate installation, pulling the bayonet into a fixed position within the housing. This action also engages optional air and electric connectors
- Internal urethane rings eliminate vibration and seat the bayonet securely.

Specifications:

Max. Static Product Load:
949 N*m [700 ft-lb]

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

Weight:
4.00 kg [8.90 lb]



Model

CPI — **RDN-25-6** —

"RDN-25-6"
Ø60mm/2.50"
Quick
Disconnect
Housing

Air Port Connection A3 (3 Port) or A6 (6-Port)

"O(x)" = (Qty) of Open Ports / "S(x)" = (Qty) of Shutoff Ports

A3-O1-S2

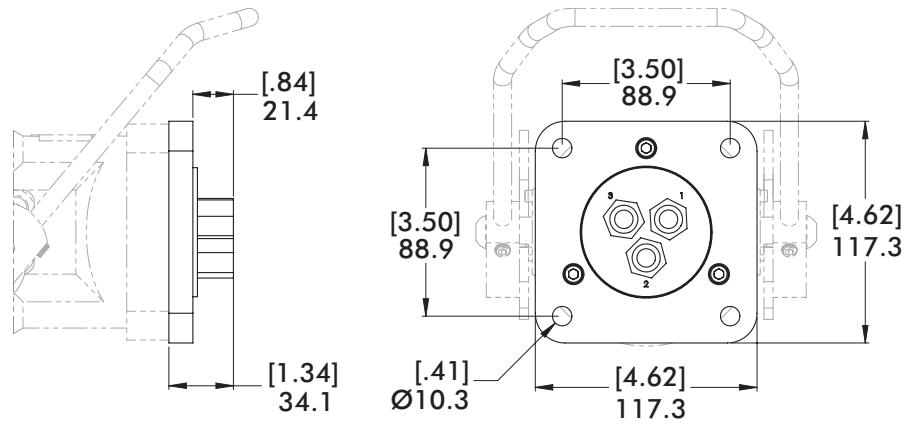
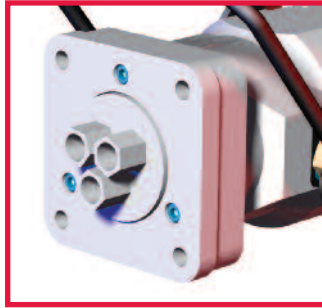
"A3-O0-S3" (0)Open-(3)Shutoff "A6-O0-S6" (0)Open-(6)Shutoff
 "A3-O1-S2" (1)Open-(2)Shutoff "A6-O1-S5" (1)Open-(5)Shutoff
 "A3-O2-S1" (2)Open-(1)Shutoff "A6-O2-S4" (2)Open-(4)Shutoff
 "A3-O3-S0" (3)Open-(0)Shutoff "A6-O3-S3" (3)Open-(3)Shutoff
 "A6-O4-S2" (4)Open-(2)Shutoff
 "A6-O5-S1" (5)Open-(1)Shutoff
 "A6-O6-S0" (6)Open-(0)Shutoff

Electrical Mounting

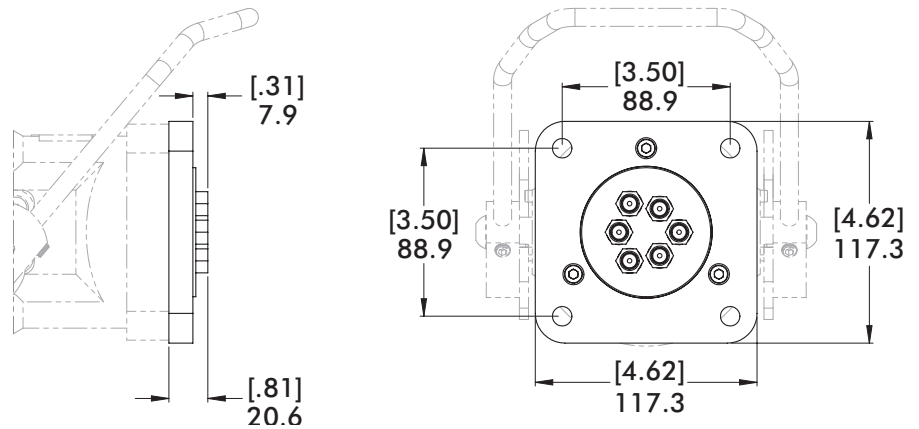
EL10

Mounting for Large Connectors
(Leave blank for Standard Mounting)
See page 39 for Details

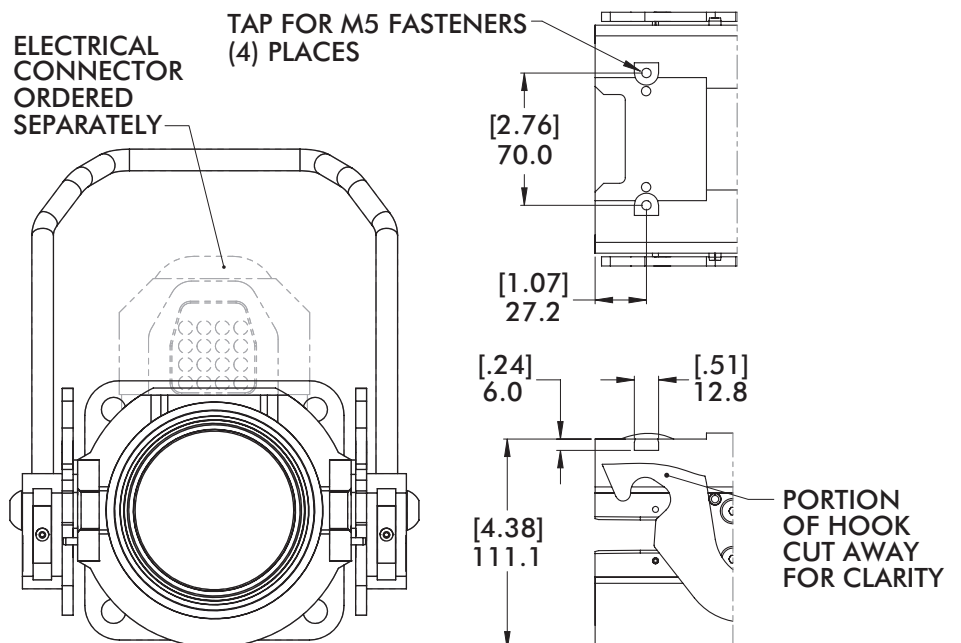
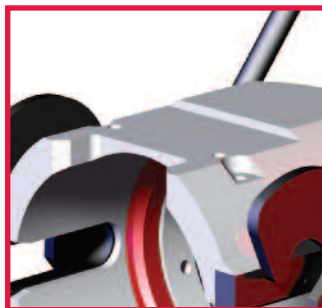
Quick Disconnect Housing for Ø60mm/2.50"(in) Boom/Tubes
"A3" 3-Port Internal Air Connection with Shutoff Option



"A6" 6-Port Internal Air Connection with Shutoff Option



"EL10" Mounting for Large Electric Connection



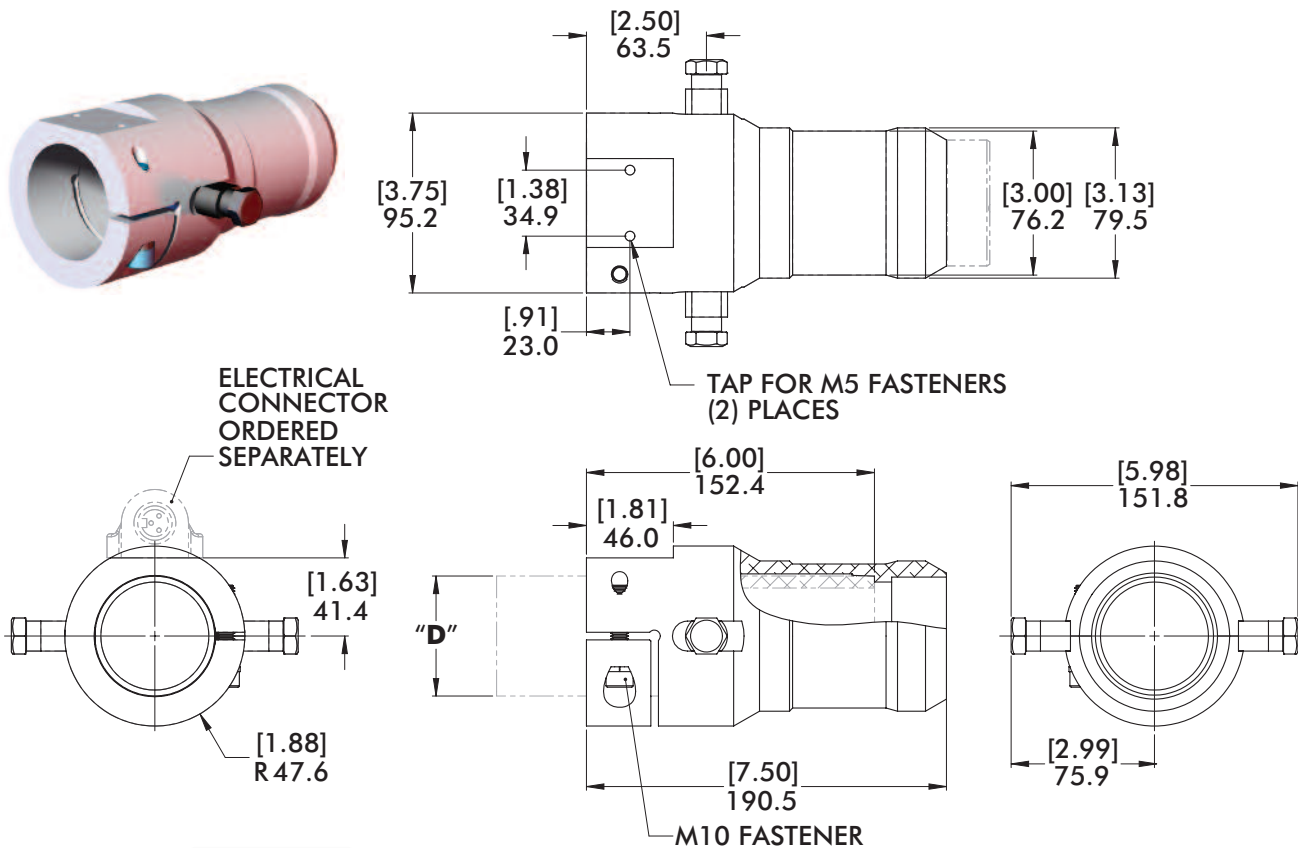
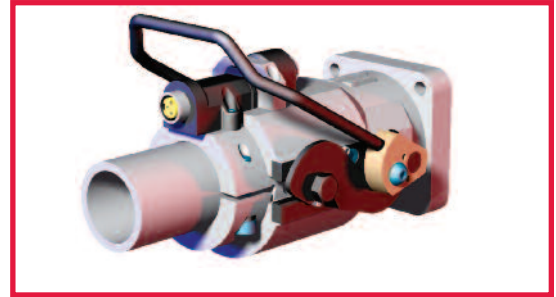
Quick Disconnect Bayonet for $\varnothing 25\text{mm}/2.50\text{''(in)}$ Boom/Tubes "RDC-xx-2" Bayonet

Features:

- Used in conjunction with the Quick Disconnect Housing to provide efficient mode of changing tools manually.
- (2) Hardened alignment pins allows quick and accurate installation into the bayonet.
- Optional "EL10" machined surface for large electrical connectors.

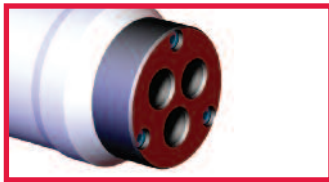
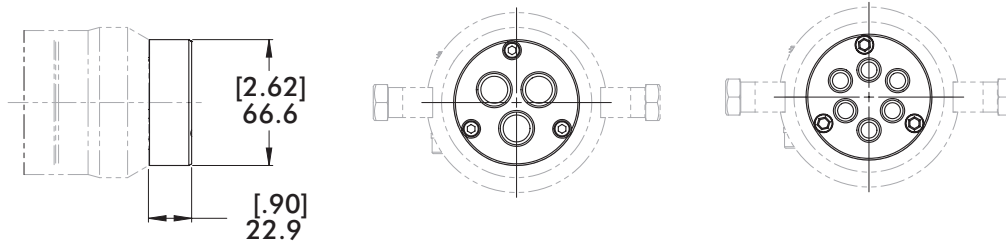
Specifications:

- Max. Static Product Load:** 678 N*m [500 ft-lb]
- Material:**
Body: Aluminum
Pins: Steel
- Weight:** 1.6 kg [3.5 lb]



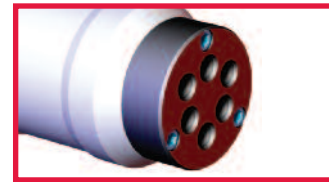
	Model	Boom/Tube (\varnothing) "D"	Version	Air Port Connection	Electrical Mounting
CPI	RDC	25	2	A3	EL10
	 "RDC" Quick Disconnect Bayonet	 "25" 2.50"(in) "60" 60mm	 "2" Version 2	 "A3" 3-Port "A6" 6-Port	 Mounting for Large Connectors (Leave blank for Standard Mounting) See page 41 for Details

Quick Disconnect Bayonet for Ø25mm/2.50"(in) Boom/Tubes
 "A3" 3-Port/"A6" 6-Port Internal Air Connection



"S4" 4-Port Internal Air Connection

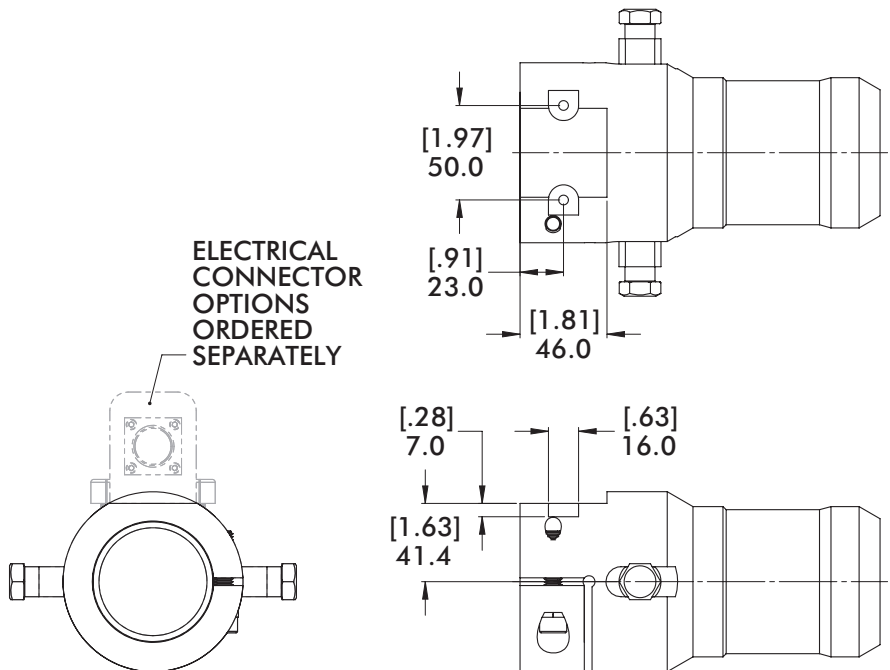
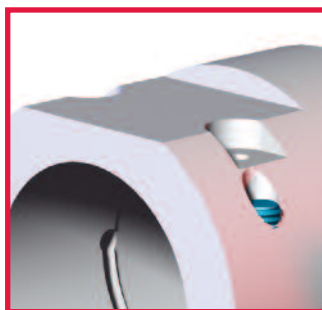
REPLACEMENT PART
CPI-BC-250-3-U38



"Kx" Locating Key
 (x) Refers to Position

REPLACEMENT PART
CPI-BC-250-6-U18

"EL10" Mounting for Large Electric Connection



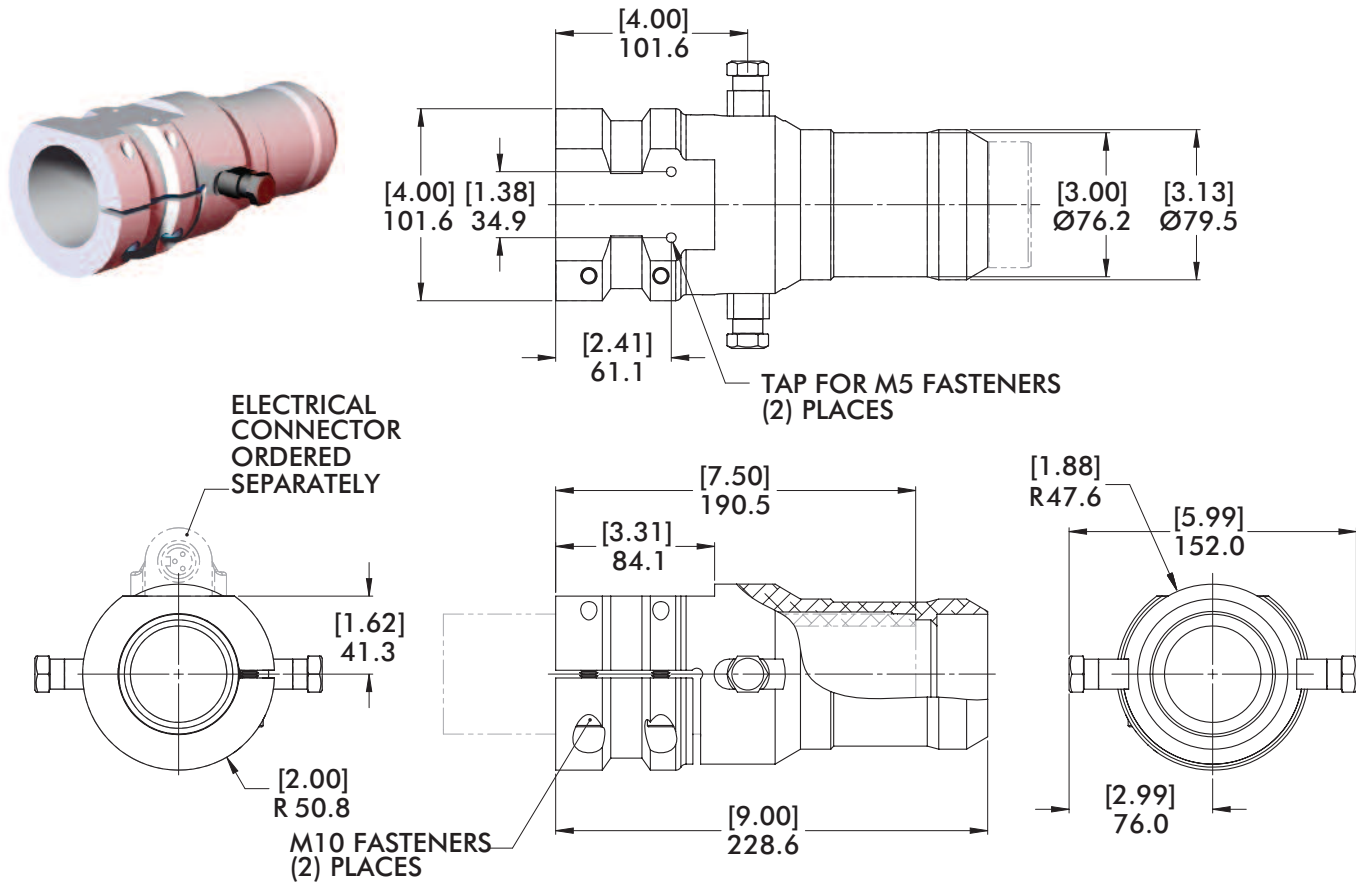
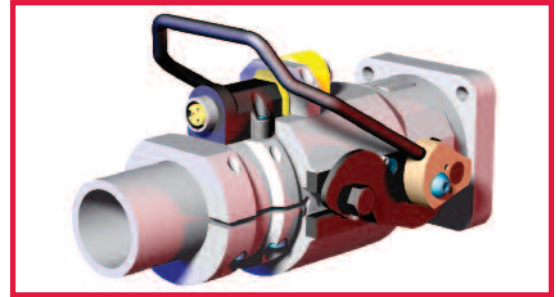
Quick Disconnect Bayonet for $\varnothing 60\text{mm}/2.50\text{''(in)}$ Boom/Tubes **"RDC-xx-2HT"** Hi-Torque Bayonet

Features:

- Extended clamp area increases the holding surface and torque capacity for high speed applications.
- (2) Hardened alignment pins allows quick and accurate installation into the bayonet.
- Optional "EL10" machined surface for large electrical connectors.

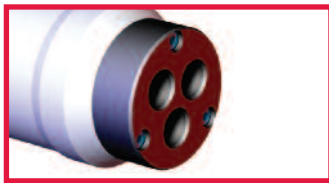
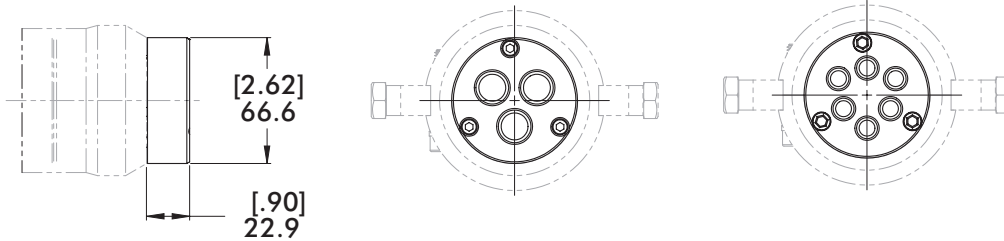
Specifications:

- Max. Static Product Load:**
 949 N*m [700 ft-lb]
- Material:**
 Body: Aluminum
 Pins: Steel
- Weight:**
 2.1 kg [4.7 lb]



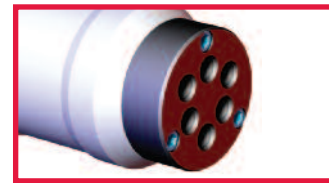
Model	Boom/Tube (\varnothing) "D"	Version	Air Port Connection	Electrical Mounting
CPI — RDC	— 25	— 2HT	— A3	— EL10
 "RDC" Quick Disconnect Bayonet	 "25" 2.50"(in) "60" 60mm	 "2HT" Version 2 Hi-Torque	 "A3" 3-Port "A6" 6-Port	 Mounting for Large Connectors (Leave blank for Standard Mounting) See page 43 for Details

Quick Disconnect Bayonet for Ø60mm/2.50"(in) Boom/Tubes
 "A3" 3-Port/"A6" 6-Port Internal Air Connection



"A3" 3-Port Internal Air Connection

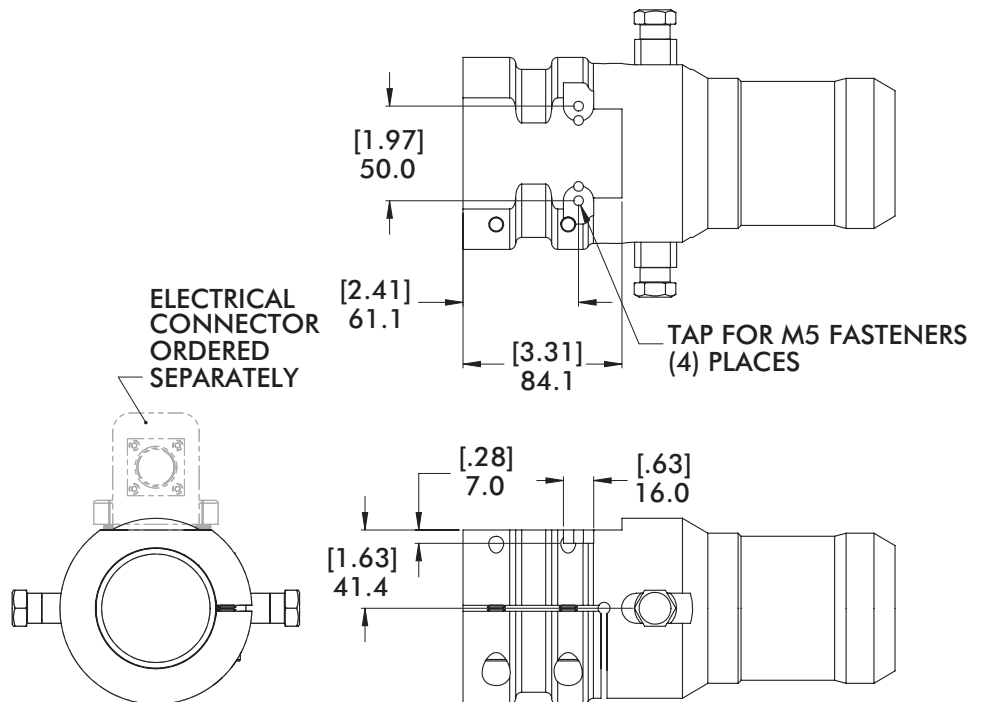
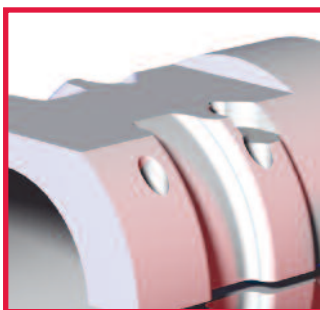
REPLACEMENT PART
CPI-BC-250-3-U38



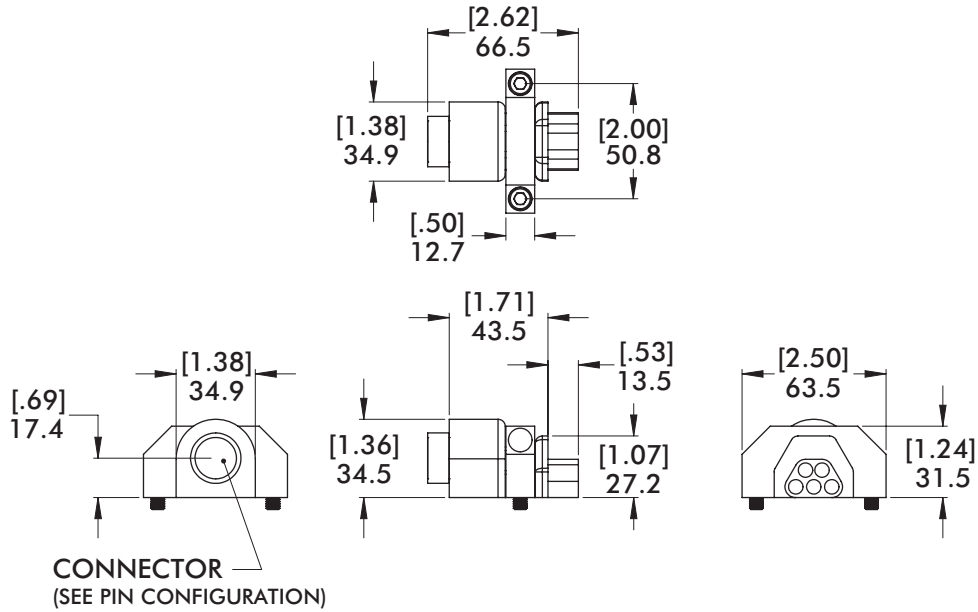
"A6" 6-Port Internal Air Connection

REPLACEMENT PART
CPI-BC-250-6-U18

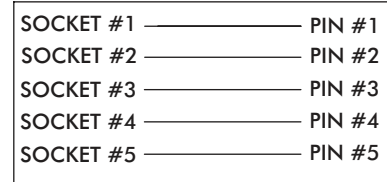
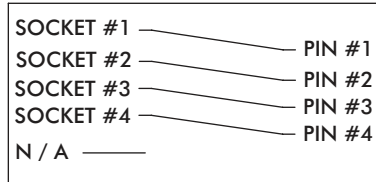
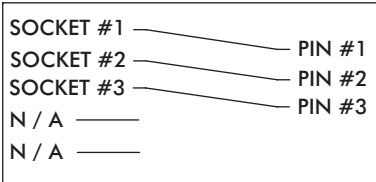
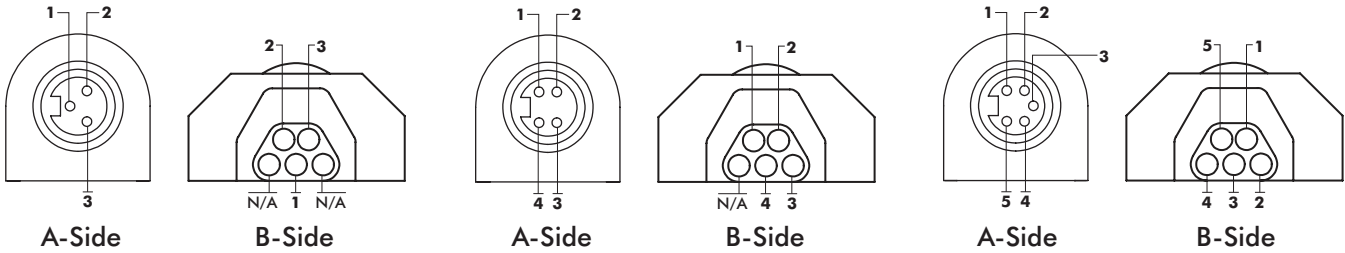
"EL10" Mounting for Large Electric Connection



Electrical Connectors for $\varnothing 60\text{mm}/2.50\text{''(in)}$ Tool Changers "RDH-F5S-xBx" 5-Pin Connectors for Housing - Dimensions



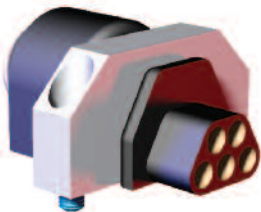
"RDH-F5S-xBx" 5 Pin Connectors for Housing - Standard Pin Configurations



3-Pin to 5-Pin Connector	
A-Side	3-Pin, Single Key
B-Side	5-Pin, Male Plug, Female Socket

4-Pin to 5-Pin Connector	
A-Side	4-Pin, Single Key
B-Side	5-Pin, Male Plug, Female Socket

5-Pin to 5-Pin Connector	
A-Side	5-Pin, Single Key
B-Side	5-Pin, Male Plug, Female Socket



MODEL NUMBER
CPI-RDH-F5S-3B3

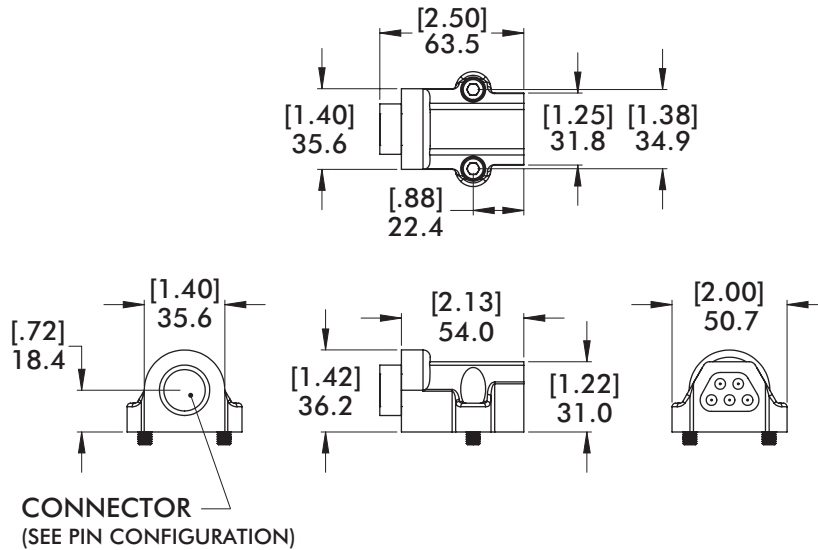


MODEL NUMBER
CPI-RDH-F5S-4B4

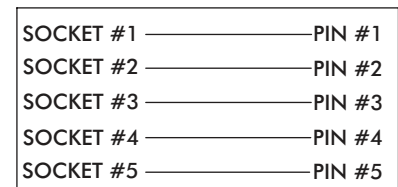
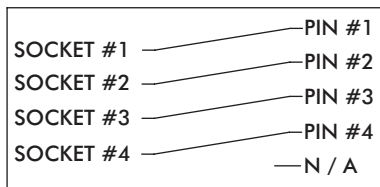
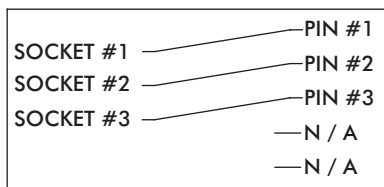
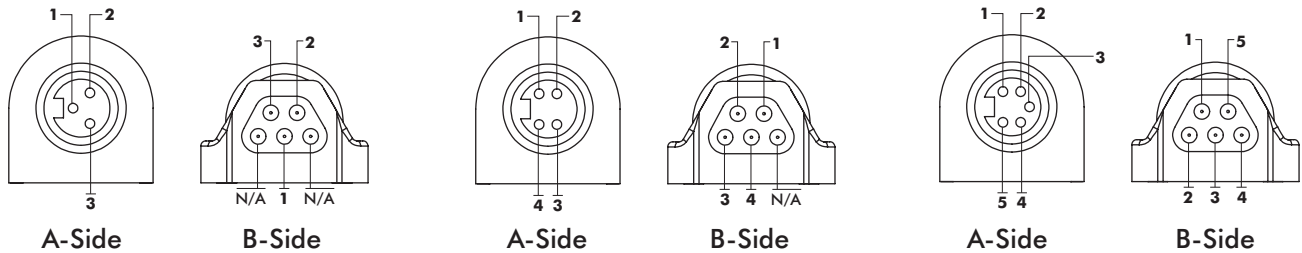


MODEL NUMBER
CPI-RDH-F5S-5B5

Electrical Connectors for Ø60mm/2.50"(in) Tool Changers
"RDB-M5P-xBx" 5-Pin Connectors for Bayonet (Tool Side)- Dimensions



"RDB-M5P-xBx" 5 Pin Connectors for Bayonet (Tool Side)- Standard Pin Configurations



3-Pin to 5-Pin Connector	
A-Side	3-Pin, Single Key
B-Side	5-Pin, Male Pin, Female Plug

4-Pin to 5-Pin Connector	
A-Side	4-Pin, Single Key
B-Side	5-Pin, Male Pin, Female Plug

5-Pin to 5-Pin Connector	
A-Side	5-Pin, Single Key
B-Side	5-Pin, Male Pin, Female Plug



MODEL NUMBER
CPI-RDB-M5P-3B3



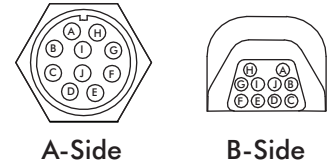
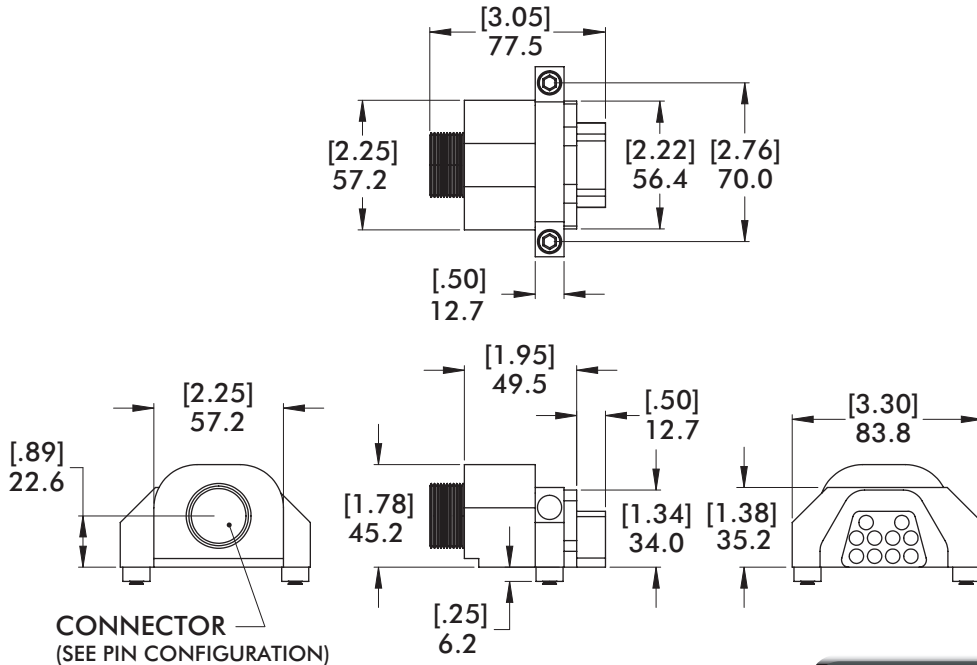
MODEL NUMBER
CPI-RDB-M5P-4B4



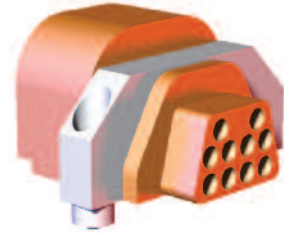
MODEL NUMBER
CPI-RDB-M5P-5B5

Electrical Connectors for Ø60mm/2.50"(in) Tool Changers

"RDH-F10S-A10" Standard 10-Pin Connector for Housing

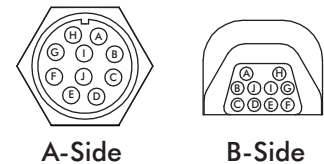
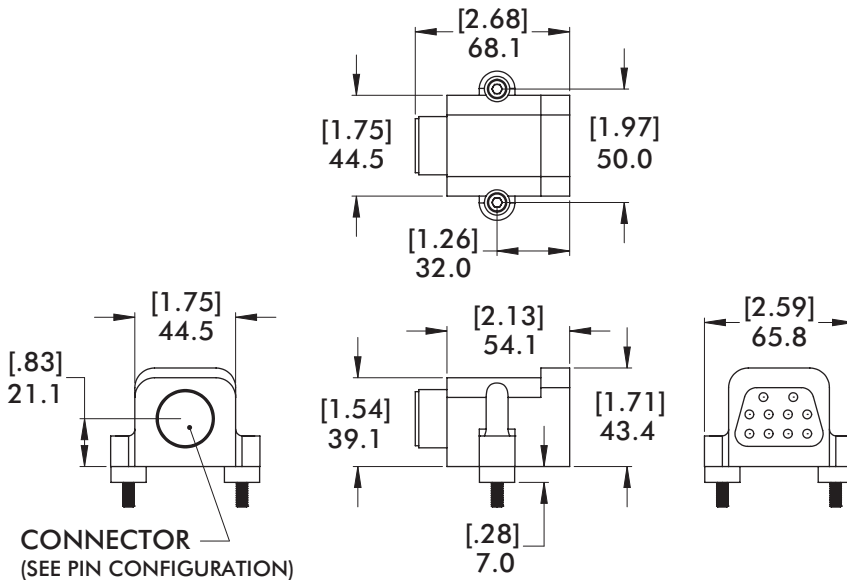


Pin Configuration	
A-Side	10-Pin, Single Key
B-Side	10-Pin, Male Plug, Female Socket



MODEL NUMBER	
CPI-RDH-F10S-A10	

"RDB-M10P-A10" Standard 10-Pin Connector for Bayonet (Tool Side)



Pin Configuration	
A-Side	10-Pin, Single Key
B-Side	10-Pin, Male Pin, Female Plug



MODEL NUMBER	
CPI-RDB-M10P-A10	

Electrical Connectors for Ø60mm/2.50"(in) Tool Changers "RDH-F1xS-A19" Standard 16/19-Pin Connector for Housing

A-Side B-Side

16 Pin Configuration	
A-Side	19-Pin, Single Key
B-Side	16-Pin, Male Plug, Female Socket

MODEL NUMBER
CPI-RDH-F16S-A19

CONNECTOR
(SEE PIN CONFIGURATION)

A-Side B-Side

19 Pin Configuration	
A-Side	19-Pin, Single Key
B-Side	19-Pin, Male Plug, Female Socket

MODEL NUMBER
CPI-RDH-F19S-A19

"RDB-M1xP-A19" Standard 16/19-Pin Connector for Bayonet (Tool Side)

A-Side B-Side

16 Pin Configuration	
A-Side	19-Pin, Single Key
B-Side	16-Pin, Male Pin, Female Plug

MODEL NUMBER
CPI-RDB-M16P-A19

CONNECTOR
(SEE PIN CONFIGURATION)

A-Side B-Side

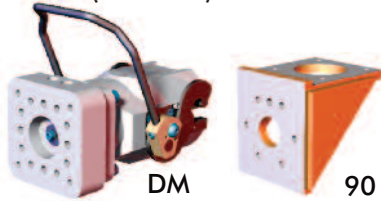
19 Pin Configuration	
A-Side	19-Pin, Single Key
B-Side	19-Pin, Male Pin, Female Plug

MODEL NUMBER
CPI-RDB-M19P-A19

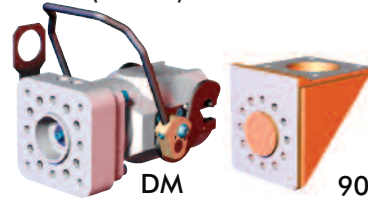
Automation Adaptors - 250 Series Robot Adaptors

Robot Adaptor Selection Guide

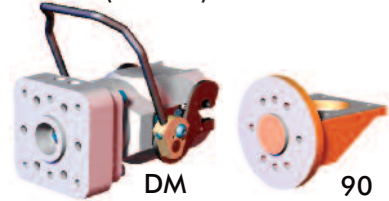
STYLE 1 (ACMX58)



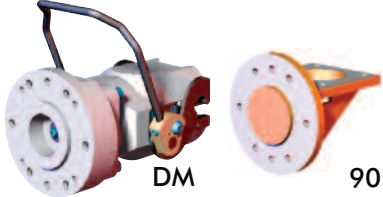
STYLE 2 (FA500)



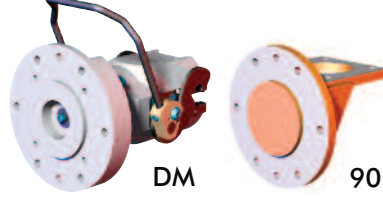
STYLE 3 (KW150)



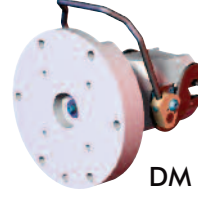
STYLE 4 (FA900)



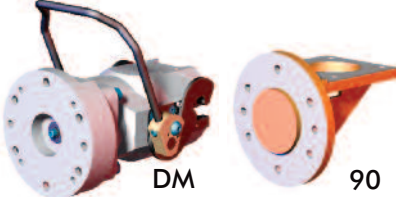
STYLE 5 (KA760)



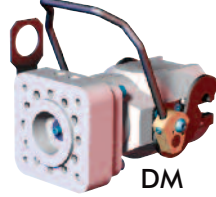
STYLE 6 (MMNY300)



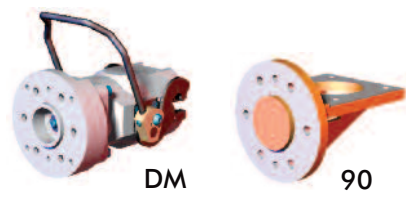
STYLE 7 (FA430I)



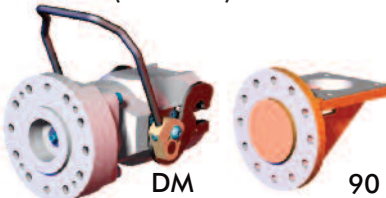
STYLE 8 (FA420)



STYLE 9 (ABB44)



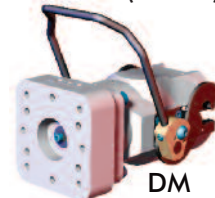
STYLE 10 (KWZ165)



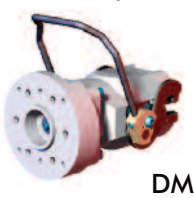
STYLE 11 (KWUT120)



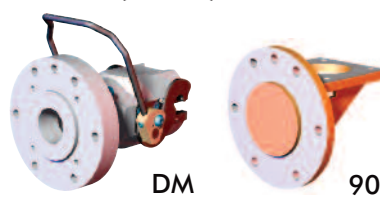
STYLE 12 (FA710)



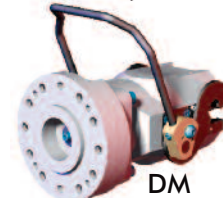
STYLE 14 (MMK100)



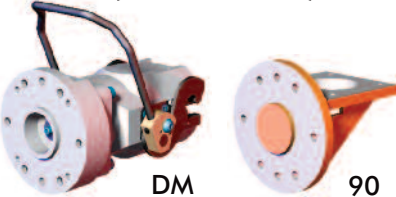
STYLE 15 (KA660)



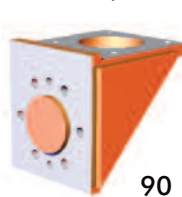
STYLE 16 (FA2000)



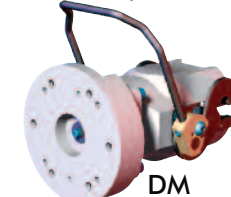
STYLE 18 (MMHP165-125)



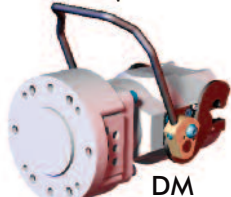
STYLE 19 (MMHP165-92)



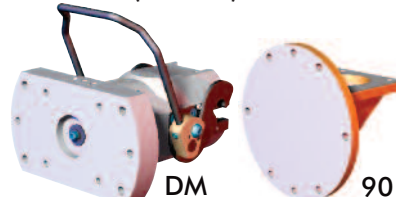
STYLE 21 (EOAMC30)



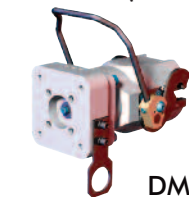
STYLE 22 (FA900-SSM)



STYLE 23 (MD350)



STYLE 24 (SA000)



Automation Adaptors - 250 Series Robot Adaptors

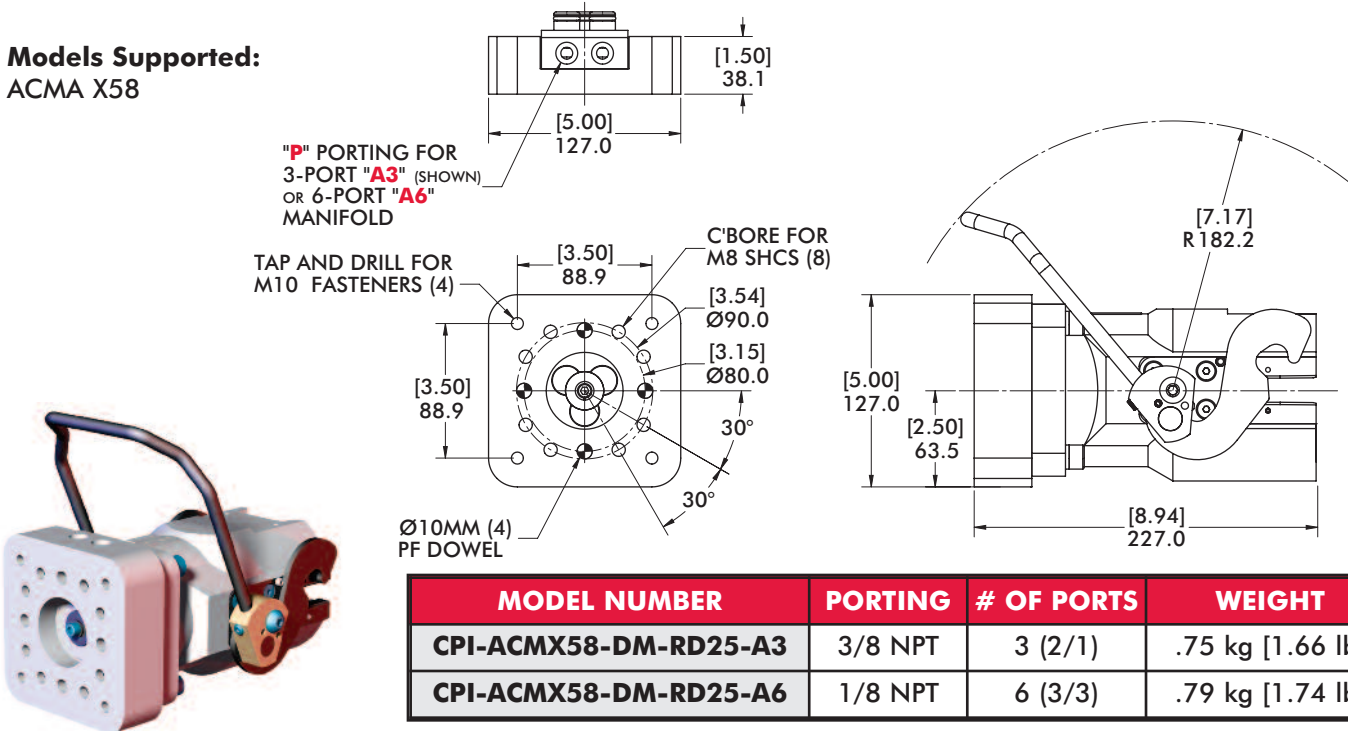
Robot Adaptor Selection Guide

250 SERIES ROBOT ADAPTOR SELECTION GUIDE										
ADAPTOR MOUNTS		MOUNTING PATTERN			DOWELS			PILOT		DWG PAGE
STYLE (MODEL)	TYPE AVAIL.	BOLT CIRCLE	BOLT SIZE	BOLTS QTY	BOLT CIRCLE	DWL SIZE	DWL QTY	DIAMETER (Ø)	DEPTH	
STYLE 1 (ACMX58)	DM/90	Ø90mm [Ø3.54"]	M8	8	Ø80mm [Ø3.15"]	10mm	4	N/A	N/A	50
STYLE 2 (FA500)	DM/90	Ø90mm [Ø3.54"]	M10	8	Ø90mm [Ø3.54"]	10mm	4	Ø59.5mm [Ø2.34"]	4.8 [.19]	51
STYLE 3 (KW150)	DM/90	Ø92mm [Ø3.62"]	M10	6	Ø92mm [Ø3.62"]	9mm	2	Ø54mm [Ø2.13"]	6.4 [.25]	52
STYLE 4 (FA900)	DM/90	Ø125mm [Ø4.92"]	M10	6	Ø125mm [Ø4.92"]	10mm	2	Ø79.5mm [Ø3.13"]	6.4 [.25]	53
STYLE 5 (KA760)	DM/90	Ø160mm [Ø6.30"]	M10	6	Ø160mm [Ø6.30"]	10mm	2	Ø99.9mm [Ø3.94"]	6.4 [.25]	54
STYLE 6 (MMNY300)	DM	Ø200mm [Ø7.87"]	M12	6	Ø200mm [Ø7.87"]	12mm	1	N/A	N/A	55
STYLE 7 (FA430I)	DM/90	Ø125mm [Ø4.92"]	M10	6	Ø125mm [Ø4.92"]	10mm	2	Ø79.5mm [Ø3.13"]	6.4 [.25]	56
STYLE 8 (FA420)	DM	Ø92mm [Ø3.62"]	M10	8	Ø92mm [Ø3.62"]	10mm	4	Ø79.5mm [Ø3.13"]	4.8 [.19]	57
STYLE 9 (ABB44)	DM/90	Ø100mm [Ø3.94"]	M10	6	Ø100mm [Ø3.94"]	8mm	2	Ø61.9mm [Ø2.44"]	6.4 [.25]	58
STYLE 10 (KWZ165)	DM/90	Ø125mm [Ø4.92"]	M10	10	Ø125mm [Ø4.92"]	10mm	2	Ø79.5mm [Ø3.13"]	6.4 [.25]	59
STYLE 11 (KWUT120)	90	Ø120mm [Ø4.72"]	M8	8	Ø120mm [Ø4.92"]	8mm	2	N/A	N/A	60
STYLE 12 (FA710)	DM	Ø100mm [Ø3.94"]	M8	6	Ø100mm [Ø3.94"]	8mm	2	N/A	N/A	61
STYLE 14 (MMK100)	90	Ø125mm [Ø4.92"]	M10	6	Ø125mm [Ø4.92"]	10mm	2	Ø61mm [Ø2.40"]	6.4 [.25]	62
STYLE 15 (KA660)	DM/90	Ø160mm [Ø6.30"]	M12	6	Ø160mm [Ø6.30"]	12mm	1	Ø99mm [Ø3.90"]	6.4 [.25]	63
STYLE 16 (FA2000)	DM	Ø125mm [Ø4.92"]	M10	10	Ø125mm [Ø4.92"]	10mm	2	Ø79.5mm [Ø3.13"]	6.4 [.25]	64
STYLE 18 (MMHP165)	DM/90	Ø125mm [Ø4.92"]	M10	6	Ø125mm [Ø4.92"]	10mm	2	Ø62.5mm [Ø2.46"]	6.4 [.25]	65
STYLE 19 (MMHP165)	90	Ø92mm [Ø3.62"]	M10	6	Ø125mm [Ø4.92"]	9mm	2	Ø62.5mm [Ø2.46"]	6.4 [.25]	66
STYLE 21 (EOAMC30)	DM	Ø127mm [Ø5.00"]	3/8-16	6	Ø108mm [Ø4.25"]	.25"(in)	2	N/A	N/A	67
STYLE 22 (FA900-SSM)	DM	Ø125mm [Ø4.92"]	M10	6	Ø125mm [Ø4.92"]	10mm	2	Ø79.5mm [Ø3.13"]	4.8 [.19]	68
STYLE 23 (MD350)	DM/90	Ø187.3mm [Ø7.38"]	3/8-16	4	Ø187.3mm [Ø7.38"]	3/8	2	N/A	N/A	69
STYLE 24 (SA000)	DM	Ø69.5mm [Ø2.74"]	M10	4	N/A	N/A	N/A	N/A	N/A	70

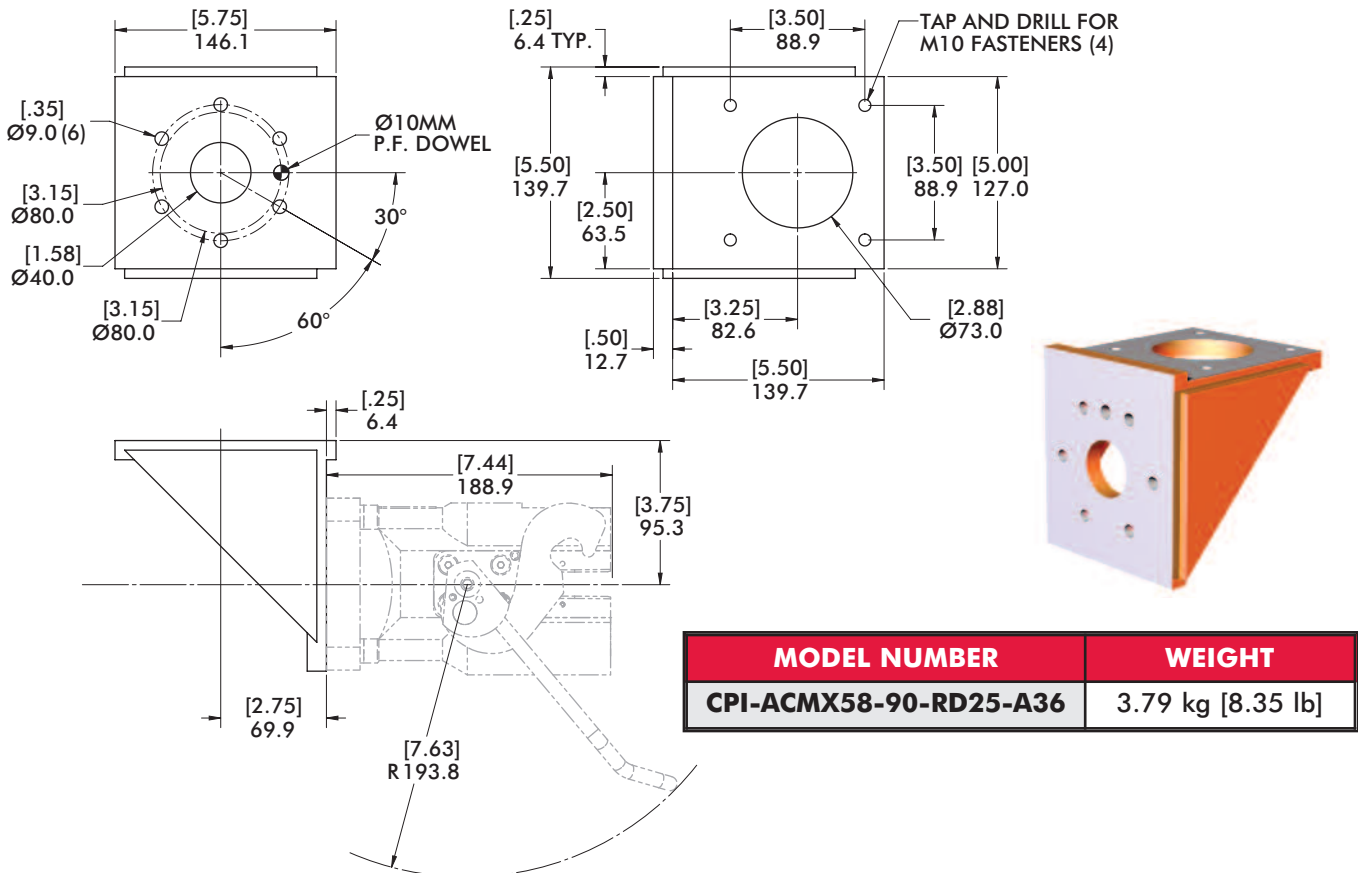
Automation Adaptors - 250 Series Robot Adaptors

Style 01 - ACMX58 Direct Mount Adaptor (Ø90mm Bolt Circle/Ø80mm Dowel Circle)

Models Supported:
ACMA X58



Style 01 - ACMX58 90° Robot Adaptor (Ø90mm Bolt Circle/Ø80mm Dowel Circle)

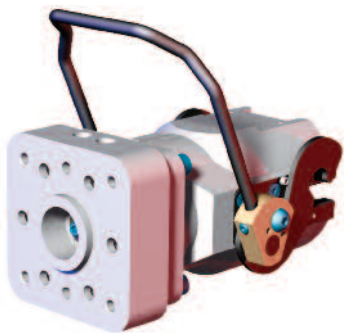
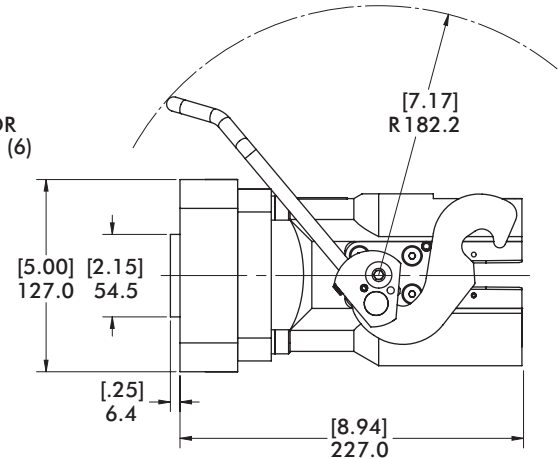
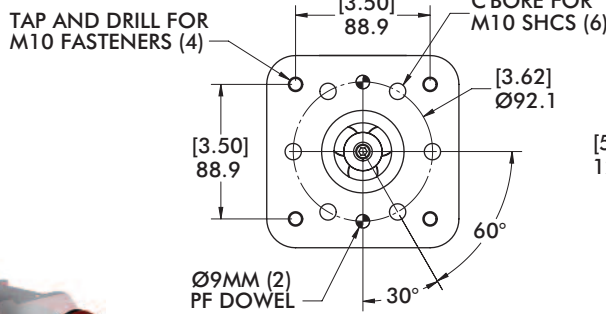
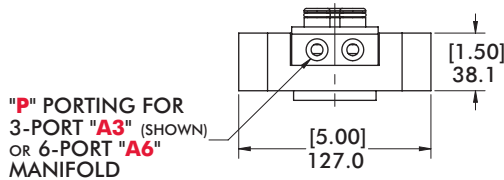


Automation Adaptors - 250 Series Robot Adaptors

Style 03 - KW150 Direct Mount Adaptor (Ø92mm Bolt Circle)

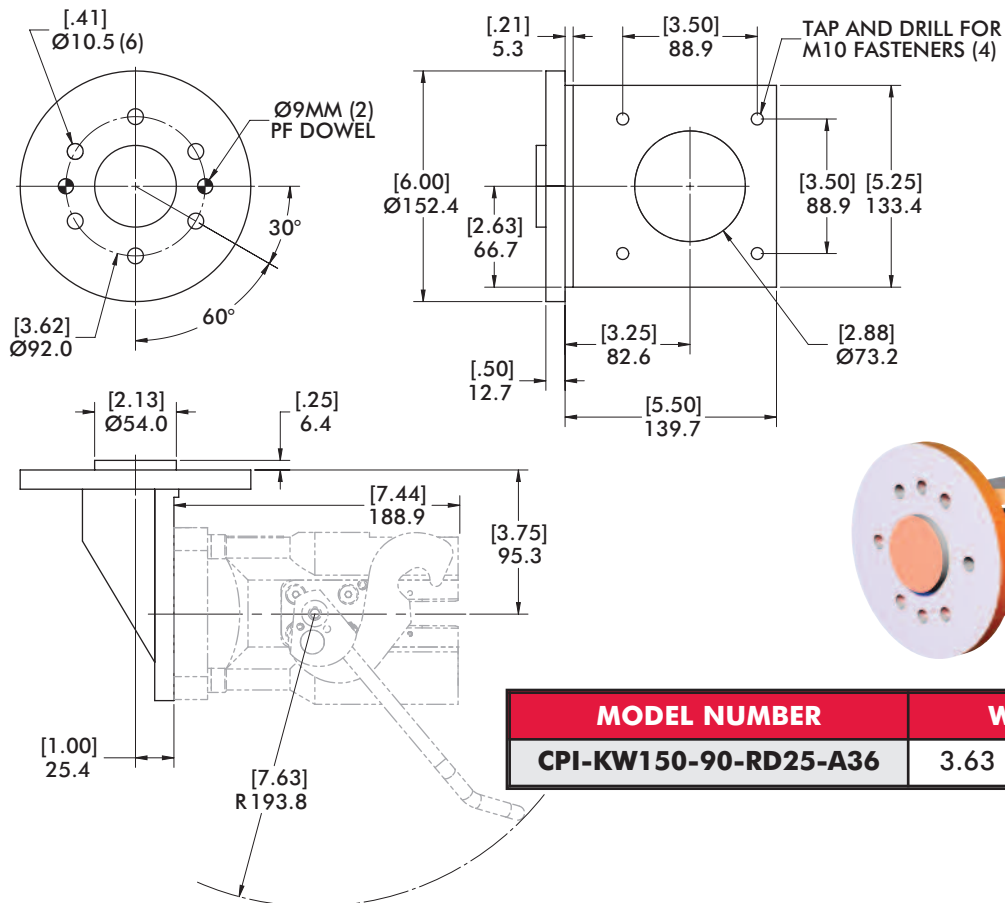
Models Supported:

- KAWASAKI UX100
- KAWASAKI UX120
- KAWASAKI UX150



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-KW150-DM-RD25-A3	3/8 NPT	3 (2/1)	1.45 kg [3.19 lb]
CPI-KW150-DM-RD25-A6	1/8 NPT	6 (3/3)	1.49 kg [3.28 lb]

Style 03 - KW150 90° Robot Adaptor (Ø92mm Bolt Circle)

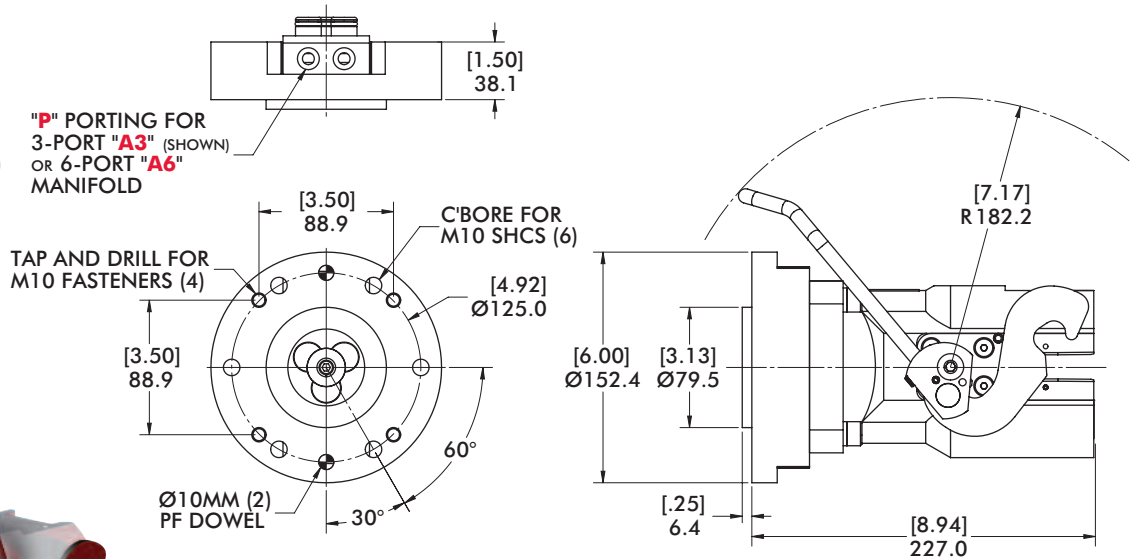
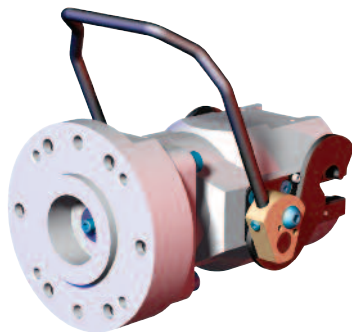


MODEL NUMBER	WEIGHT
CPI-KW150-90-RD25-A36	3.63 kg [8.01 lb]

Automation Adaptors - 250 Series Robot Adaptors Style 04 - FA900 Direct Mount Adaptor (Ø125mm Bolt Circle)

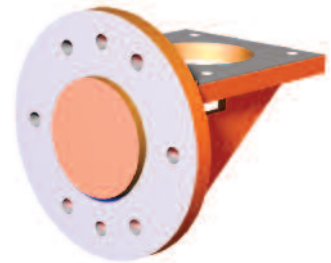
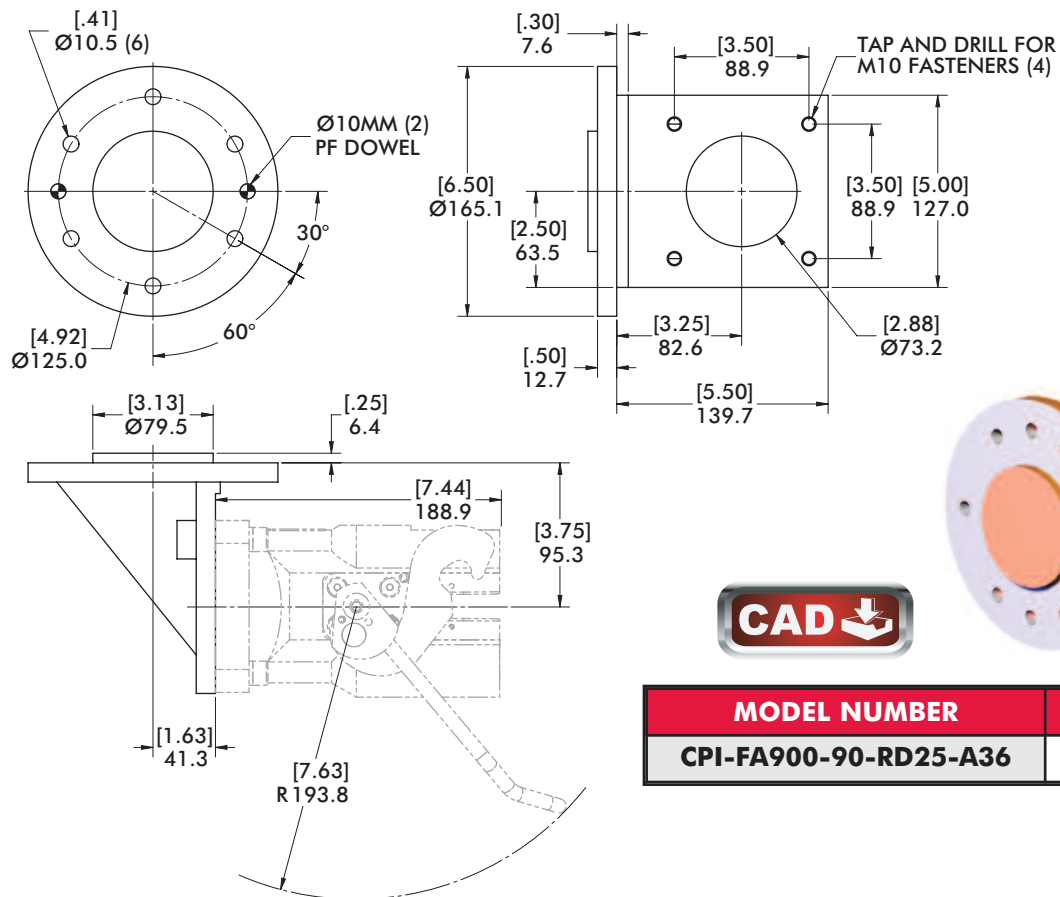
Models Supported:

- ABB IRB 60(00)
- ABB IRB 64(00)
- FANUC R-2000I(6-BOLT)
- FANUC M-410
- FANUC S-900
- MOTOMAN SP100X



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-FA900-DM-RD25-A3	3/8 NPT	3 (2/1)	1.58 kg [3.48 lb]
CPI-FA900-DM-RD25-A6	1/8 NPT	6 (3/3)	1.62 kg [3.57 lb]

Style 04 - FA900 90° Robot Adaptor (Ø125mm Bolt Circle)



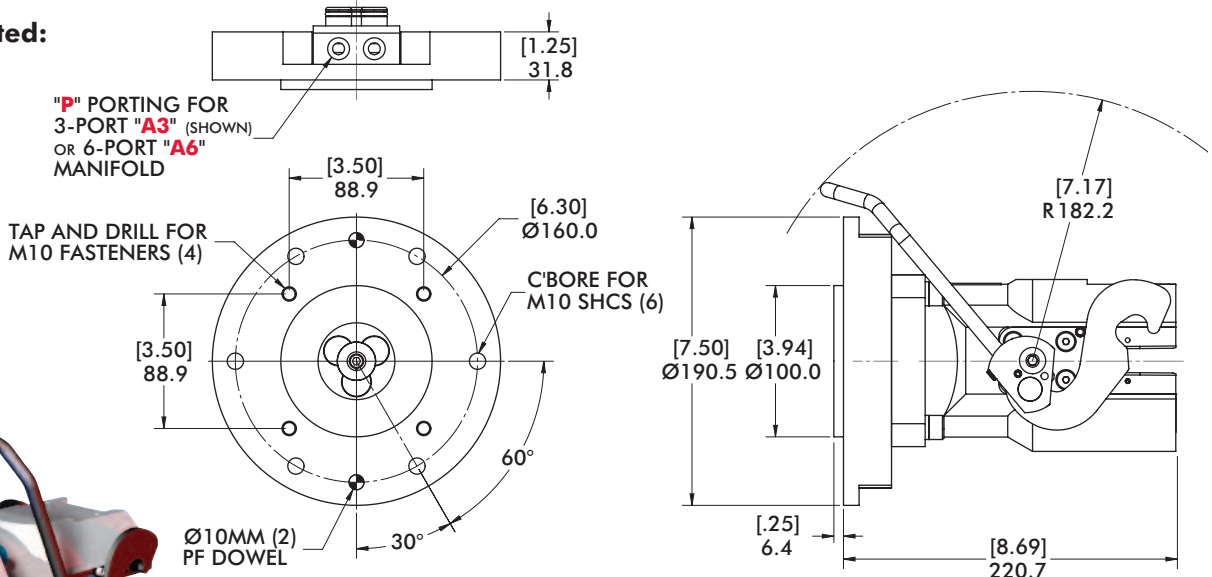
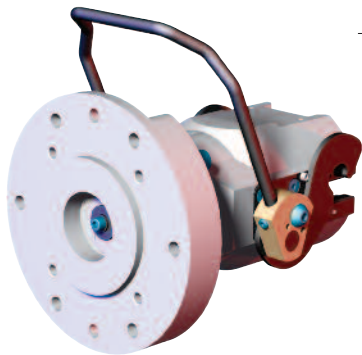
MODEL NUMBER	WEIGHT
CPI-FA900-90-RD25-A36	4.13 kg [9.12 lb]

Automation Adaptors - 250 Series Robot Adaptors

Style 05 - KA760 Direct Mount Adaptor (Ø160mm Bolt Circle)

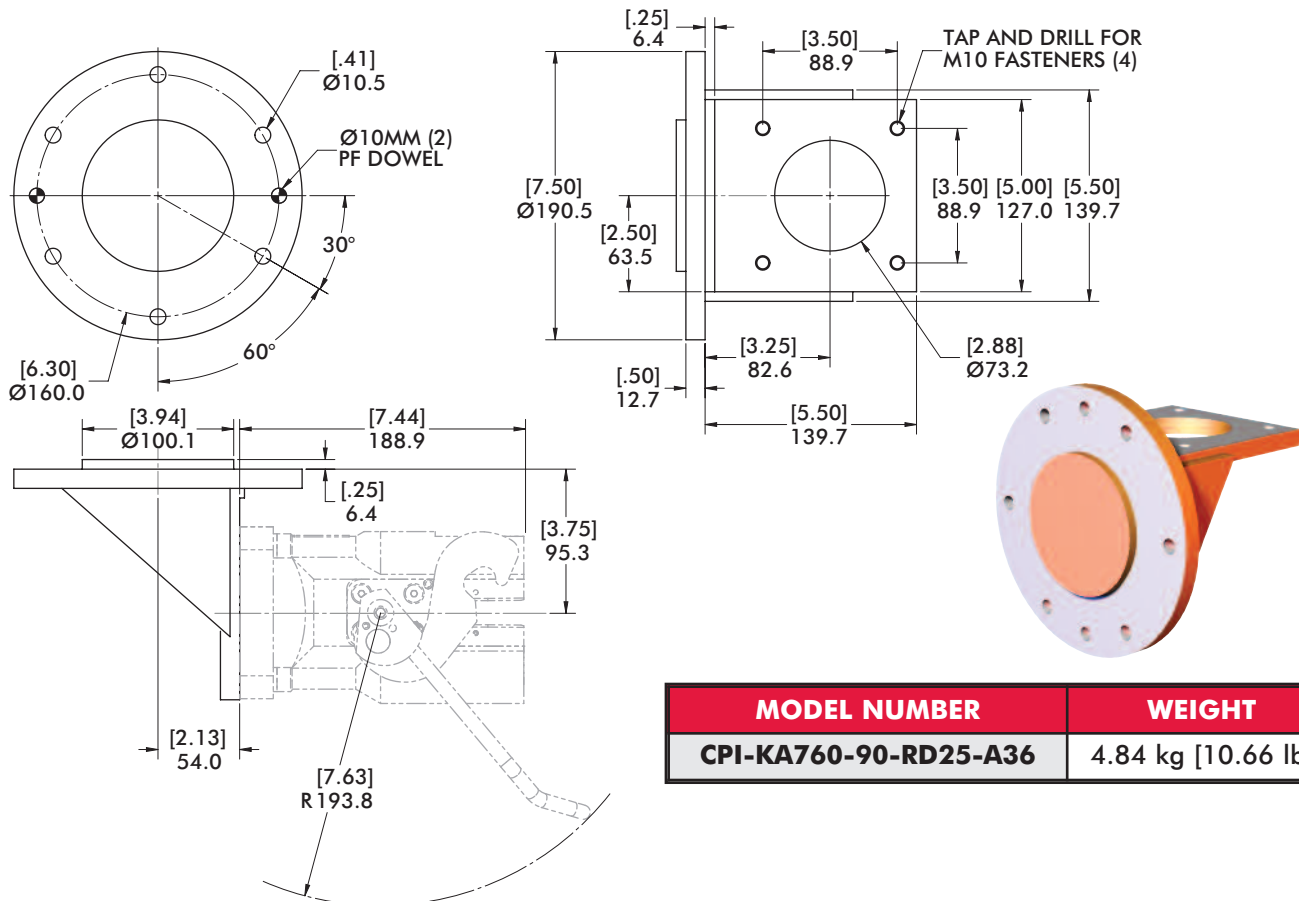
Models Supported:

- KUKA IW 125
- KUKA PL 150
- KUKA IW 150
- KUKA PL 125
- KUKA KR 125
- KUKA ZH 125
- KUKA IR 760
- KUKA ZH 150



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-KA760-DM-RD25-A3	3/8 NPT	3 (2/1)	2.12 kg [4.66 lb]
CPI-KA760-DM-RD25-A6	1/8 NPT	6 (3/3)	2.15 kg [4.75 lb]

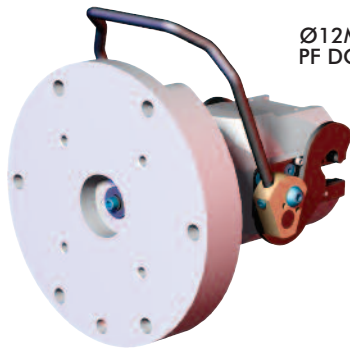
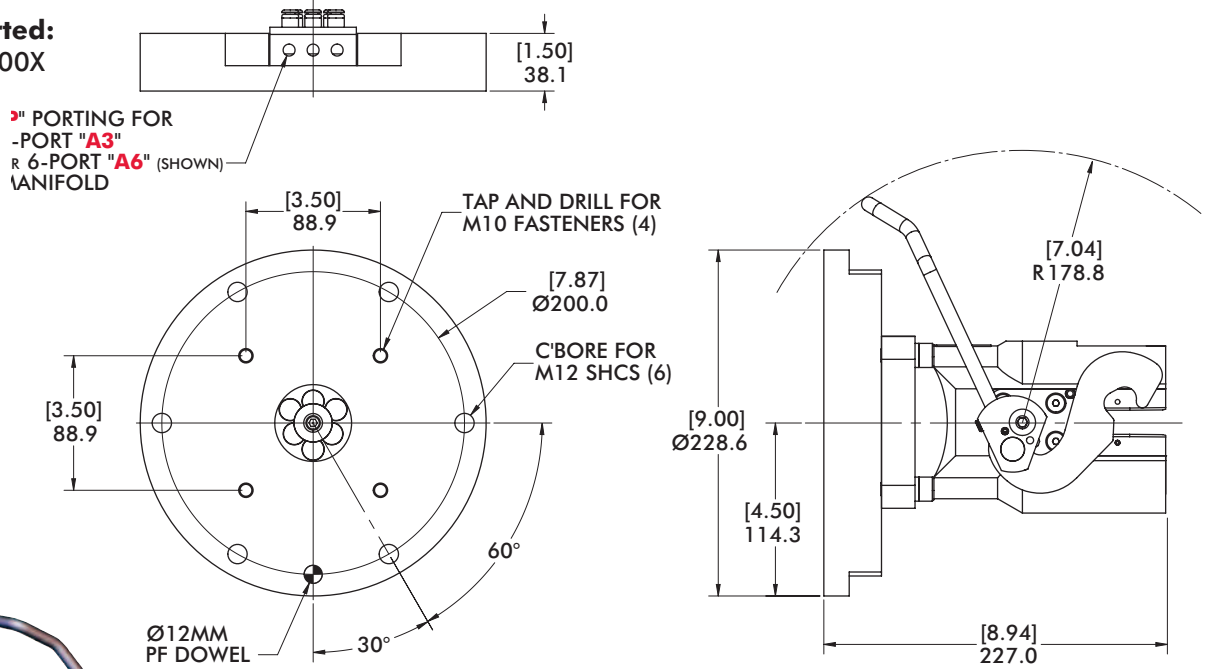
Style 05 - KA760 90° Robot Adaptor (Ø160mm Bolt Circle)



MODEL NUMBER	WEIGHT
CPI-KA760-90-RD25-A36	4.84 kg [10.66 lb]

Automation Adaptors - 250 Series Robot Adaptors Style 06 - MMNY300 Direct Mount Adaptor (Ø200mm Bolt Circle)

Models Supported:
MOTOMAN SP100X
KUKA KR 350

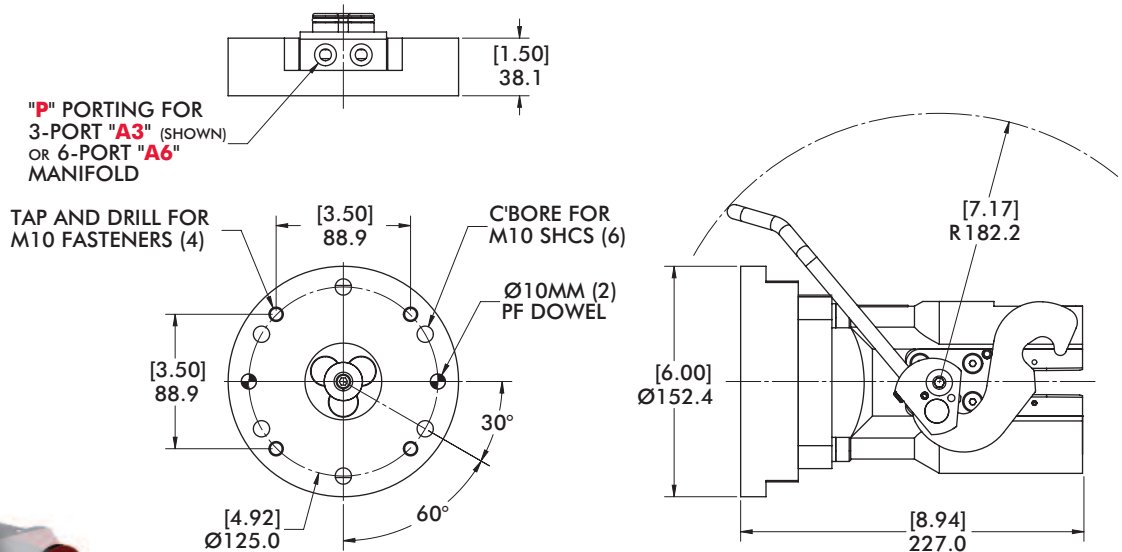
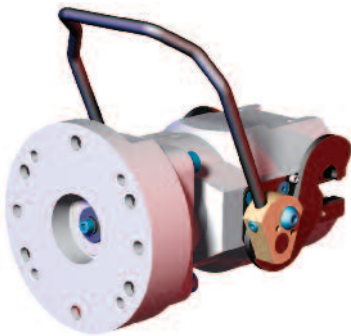


MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-MMNY300-DM-RD25-A3	3/8 NPT	3 (2/1)	3.56 kg [7.84 lb]
CPI-MMNY300-DM-RD25-A6	1/8 NPT	6 (3/3)	3.61 kg [7.95 lb]

Automation Adaptors - 250 Series Robot Adaptors

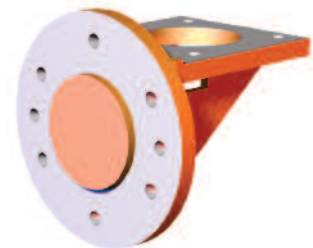
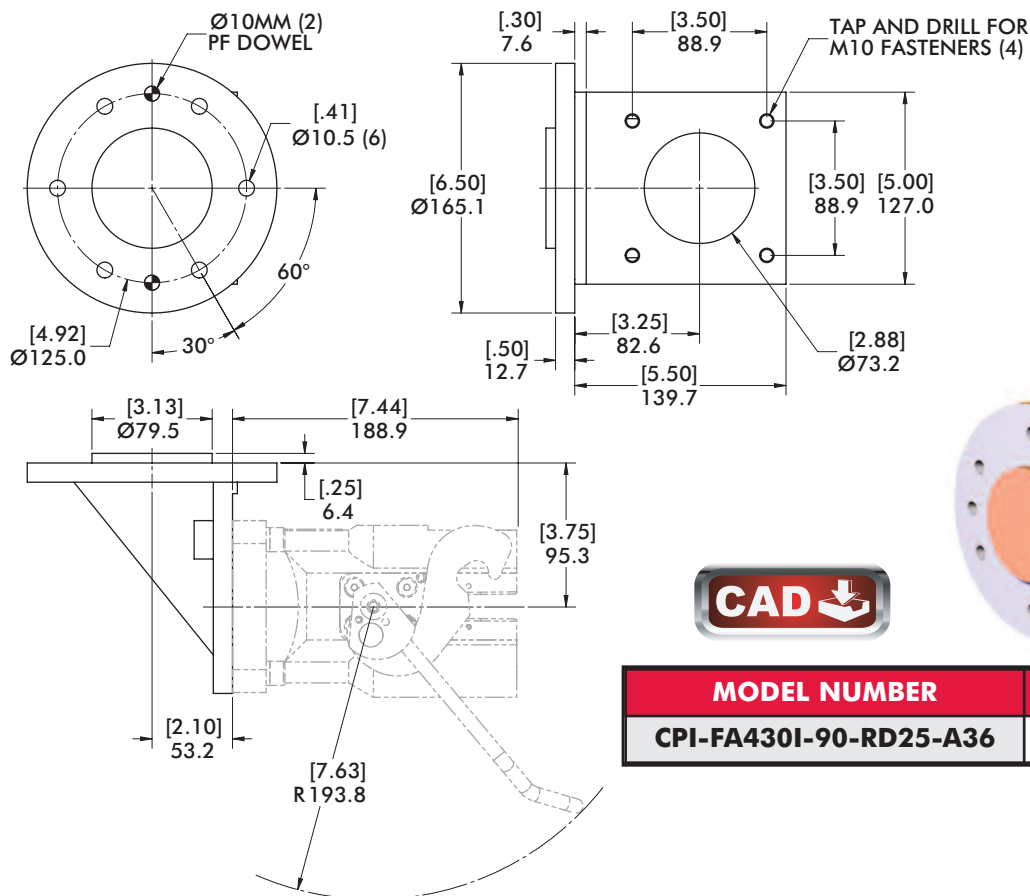
Style 07 - FA430I Direct Mount Adaptor (Ø125mm Bolt Circle)

Models Supported:
FANUC S430I



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-FA430I-DM-RD25-A3	3/8 NPT	3 (2/1)	1.52 kg [3.36 lb]
CPI-FA430I-DM-RD25-A6	1/8 NPT	6 (3/3)	1.56 kg [3.44 lb]

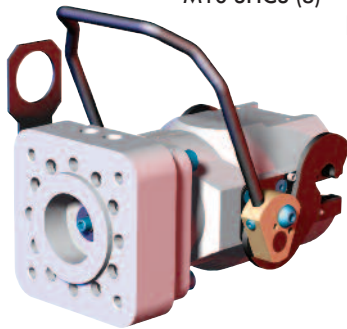
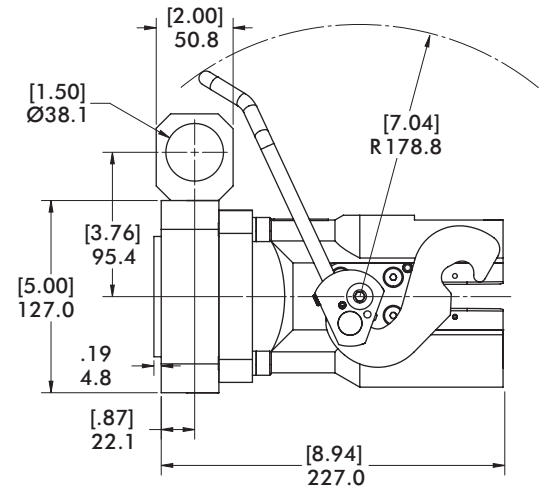
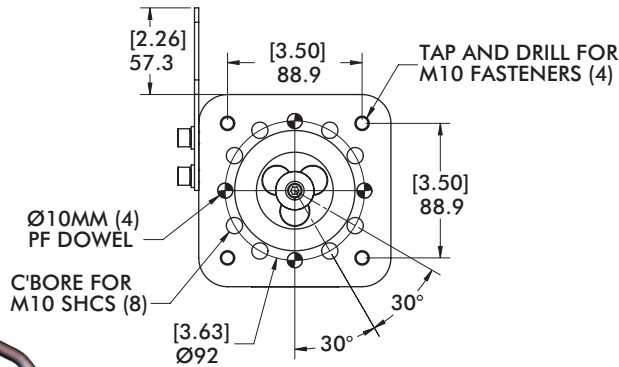
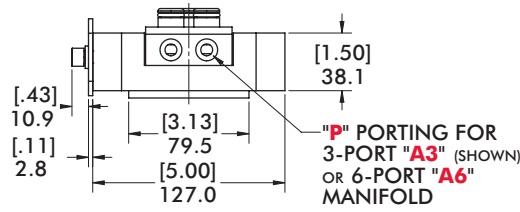
Style 07 - FA430I 90° Robot Adaptor (Ø125mm Bolt Circle)



MODEL NUMBER	WEIGHT
CPI-FA430I-90-RD25-A36	4.13 kg [9.12 lb]

Automation Adaptors - 250 Series Robot Adaptors Style 08 - FA420 Direct Mount Adaptor (Ø92mm Bolt Circle)

Models Supported:
FANUC S420 (WITH
SPECIAL FLANGE)



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-FA420-DM-RD25-A3-SPC	3/8 NPT	3 (2/1)	1.48 kg [3.27 lb]
CPI-FA420-DM-RD25-A6-SPC	1/8 NPT	6 (3/3)	1.52 kg [3.35 lb]

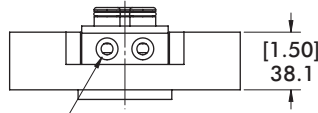
Automation Adaptors - 250 Series Robot Adaptors

Style 09 - ABB44 Direct Mount Adaptor (Ø100mm Bolt Circle)

Models Supported:

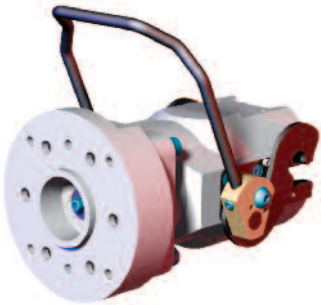
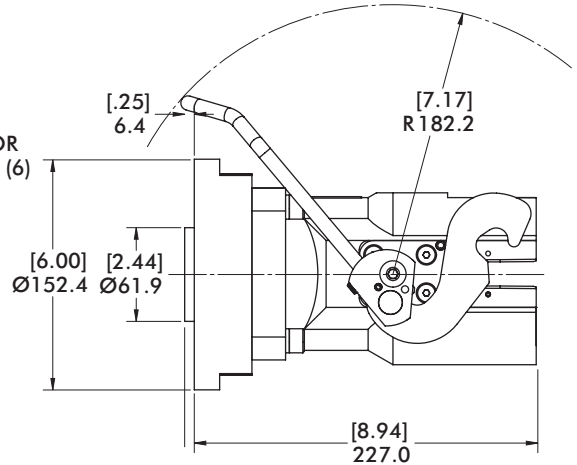
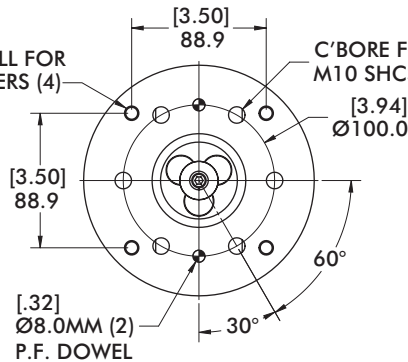
- ABB IRB 4400/S
- ABB IRB 4400/60
- ABB IRB 4400/45
- ABB IRB 4400/L30

"P" PORTING FOR
3-PORT "A3" (SHOWN)
OR 6 PORT "A6"
MANIFOLD



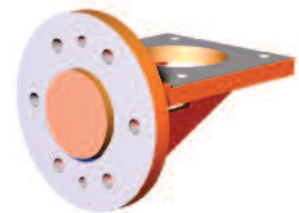
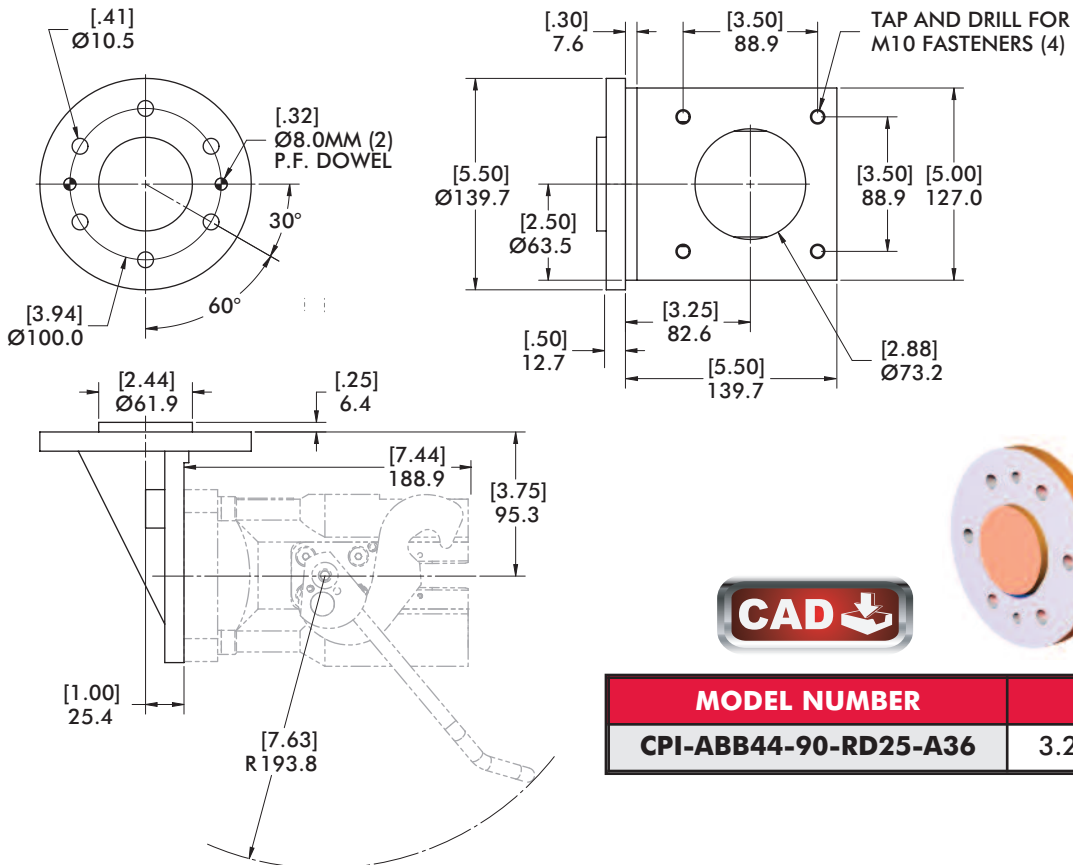
TAP AND DRILL FOR
M10 FASTENERS (4)

C'BORE FOR
M10 SHCS (6)



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-ABB44-DM-RD25-A3	3/8 NPT	3 (2/1)	1.57 kg [3.47 lb]
CPI-ABB44-DM-RD25-A6	1/8 NPT	6 (3/3)	1.61 kg [3.55 lb]

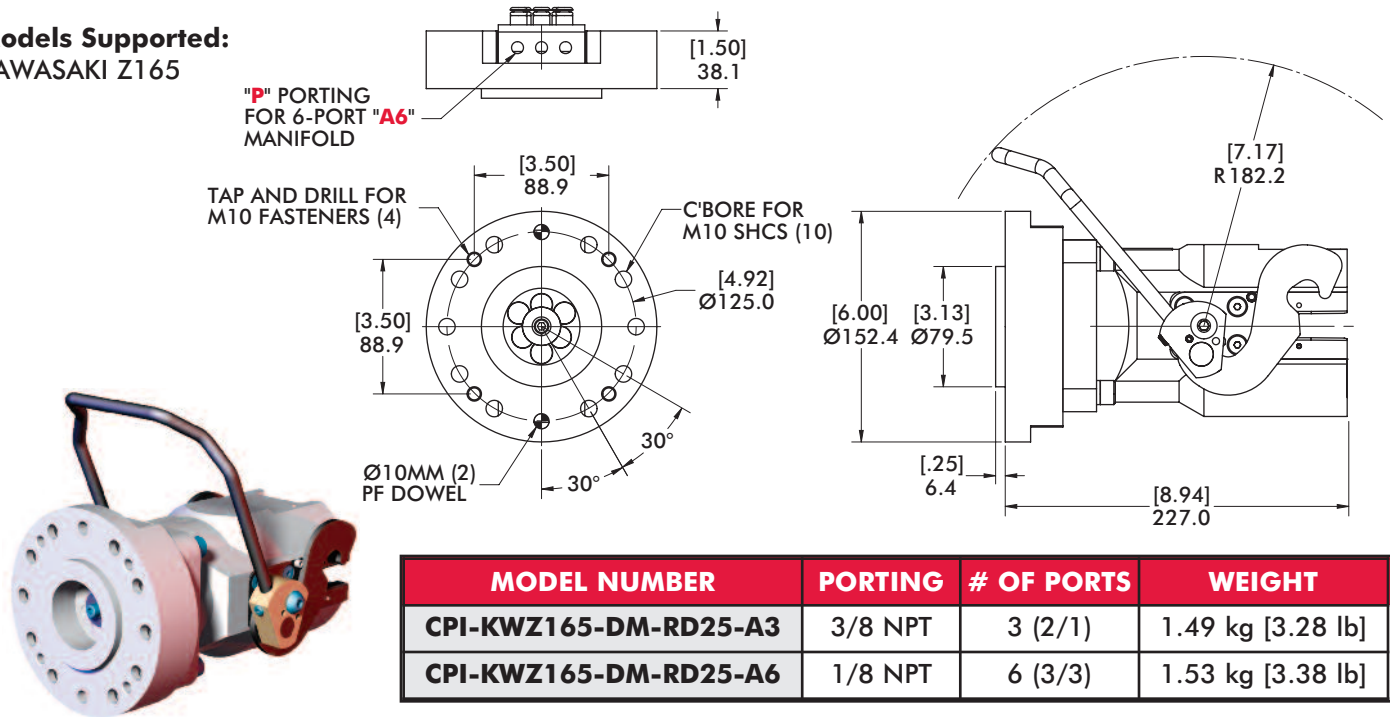
Style 09 - ABB44 90° Robot Adaptor (Ø100mm Bolt Circle)



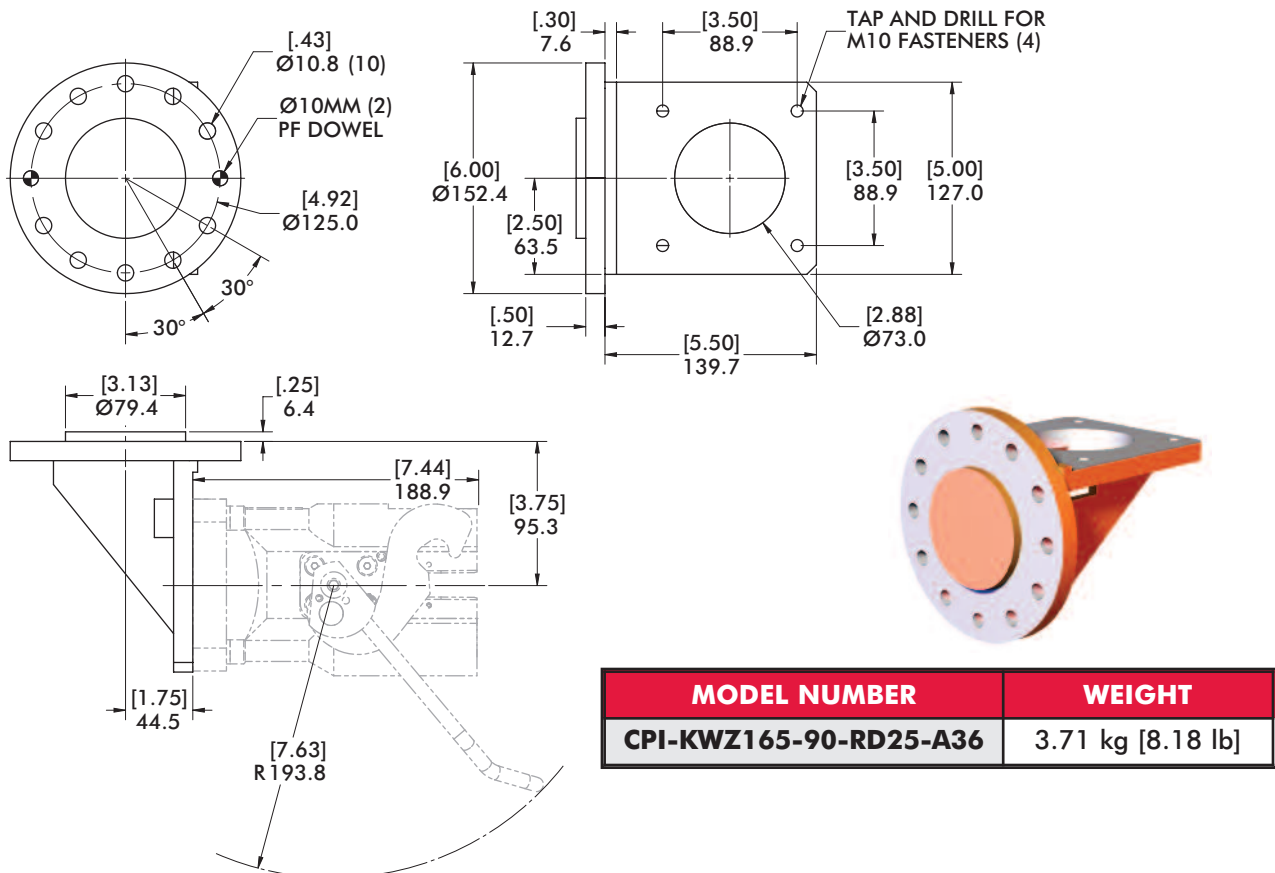
MODEL NUMBER	WEIGHT
CPI-ABB44-90-RD25-A36	3.24 kg [7.15 lb]

Automation Adaptors - 250 Series Robot Adaptors Style 10 - KWZ165 Direct Mount Adaptor (Ø125mm Bolt Circle)

Models Supported:
KAWASAKI Z165

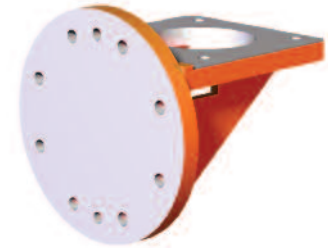
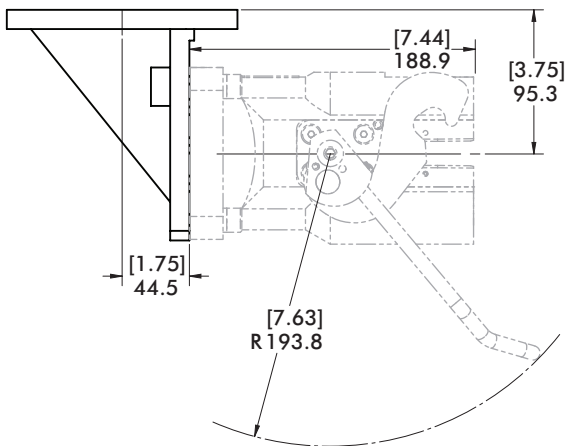
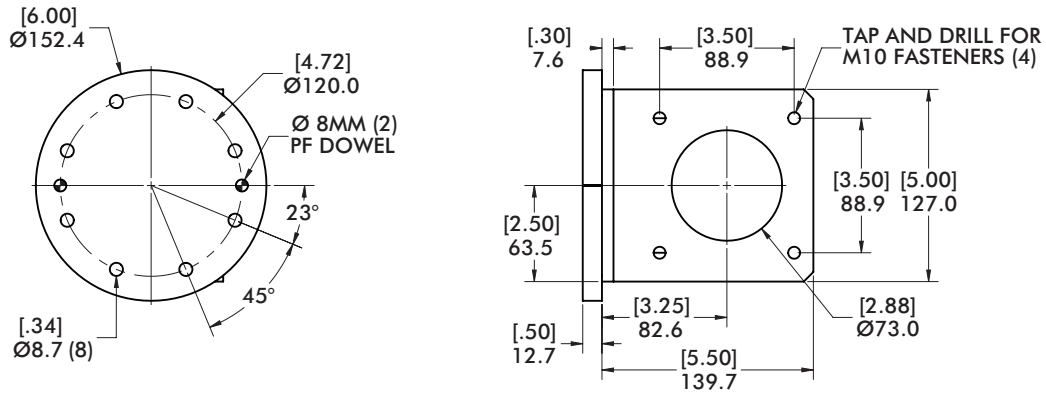


Style 10 - KWZ165 90° Robot Adaptor (Ø125mm Bolt Circle)



Automation Adaptors - 250 Series Robot Adaptors

Style 11 - KWUT120 90° Adaptor (Ø120mm Bolt Circle)

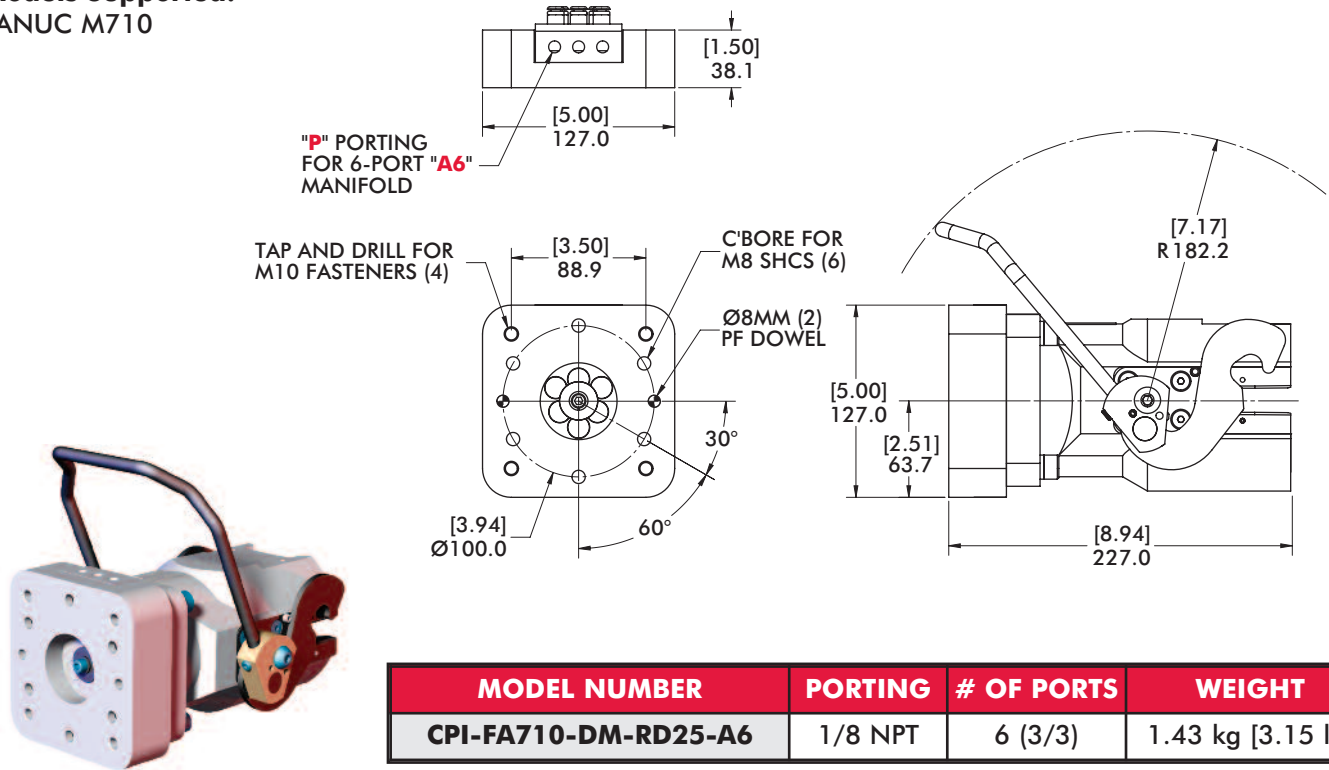


Models Supported:
KAWASAKI UT120

MODEL NUMBER	WEIGHT
CPI-KWUT120-90-RD25-A36	3.58 kg [7.90 lb]

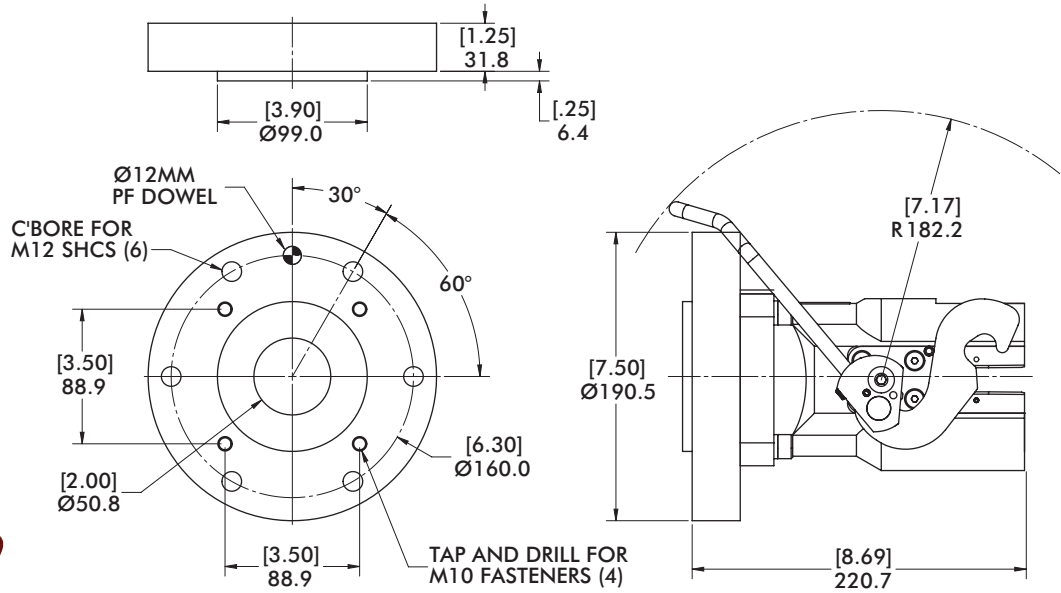
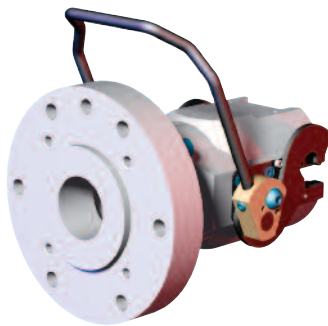
Automation Adaptors - 250 Series Robot Adaptors Style 12 - FA710 Direct Mount Adaptor (Ø100mm Bolt Circle)

Models Supported:
FANUC M710



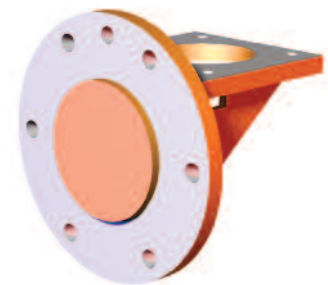
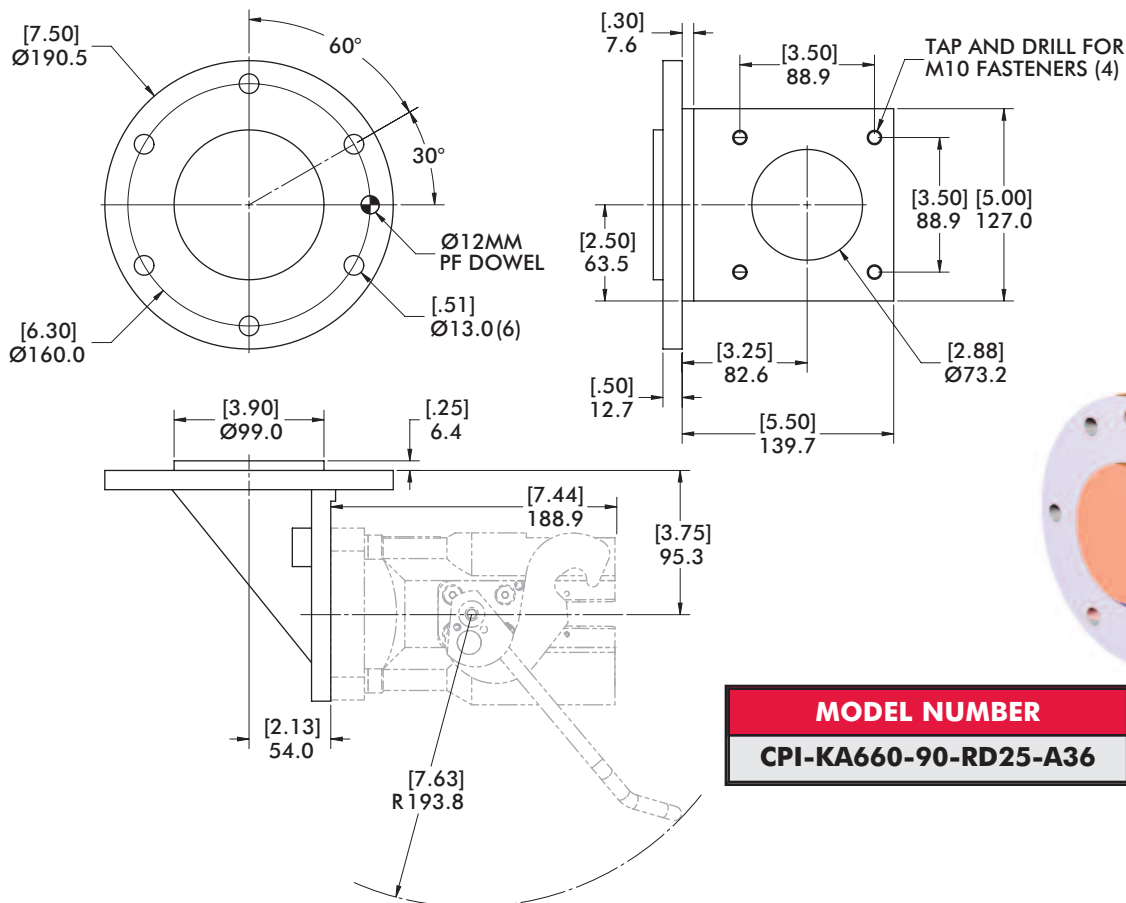
Automation Adaptors - 250 Series Robot Adaptors Style 15 - KA660 Direct Mount Adaptor (Ø160mm Bolt Circle)

Models Supported:
KUKA 660



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-KA660-DM-RD25-00	N/A	N/A	2.23 kg [4.92 lb]

Style 15 - KA660 90° Robot Adaptor (Ø160mm Bolt Circle)

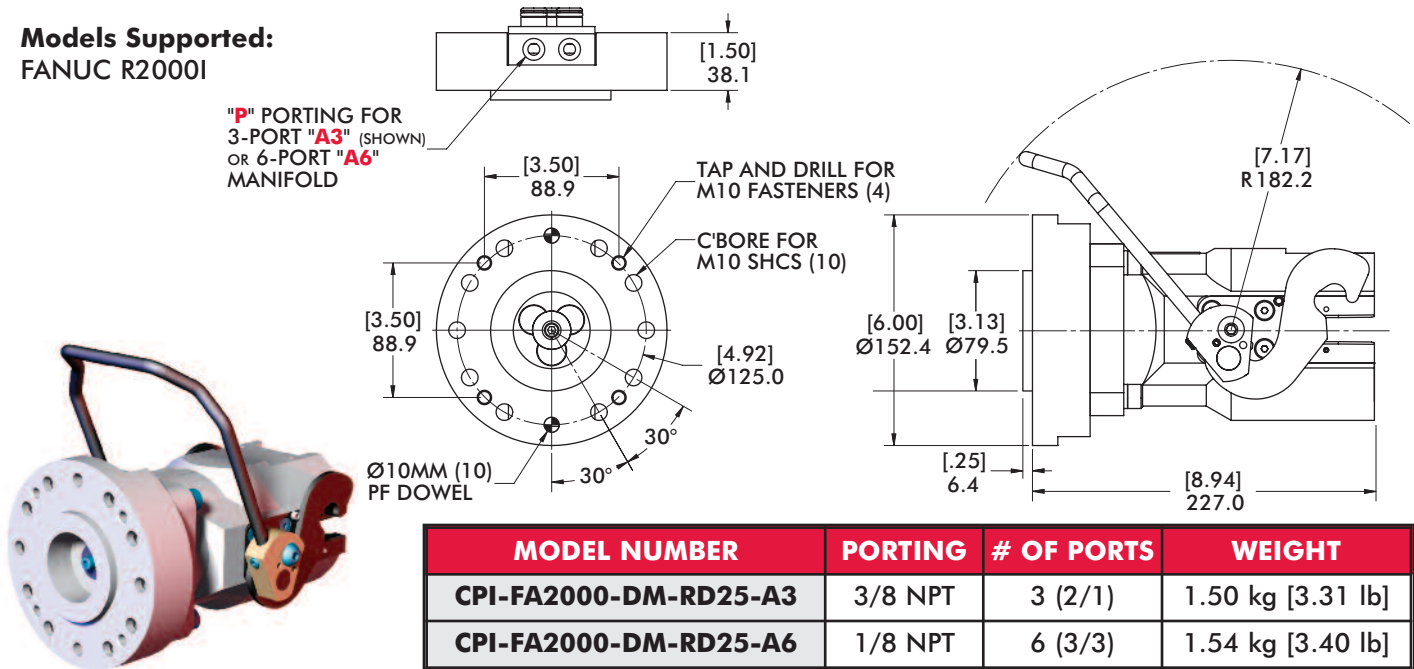


MODEL NUMBER	WEIGHT
CPI-KA660-90-RD25-A36	4.95 kg [10.91 lb]

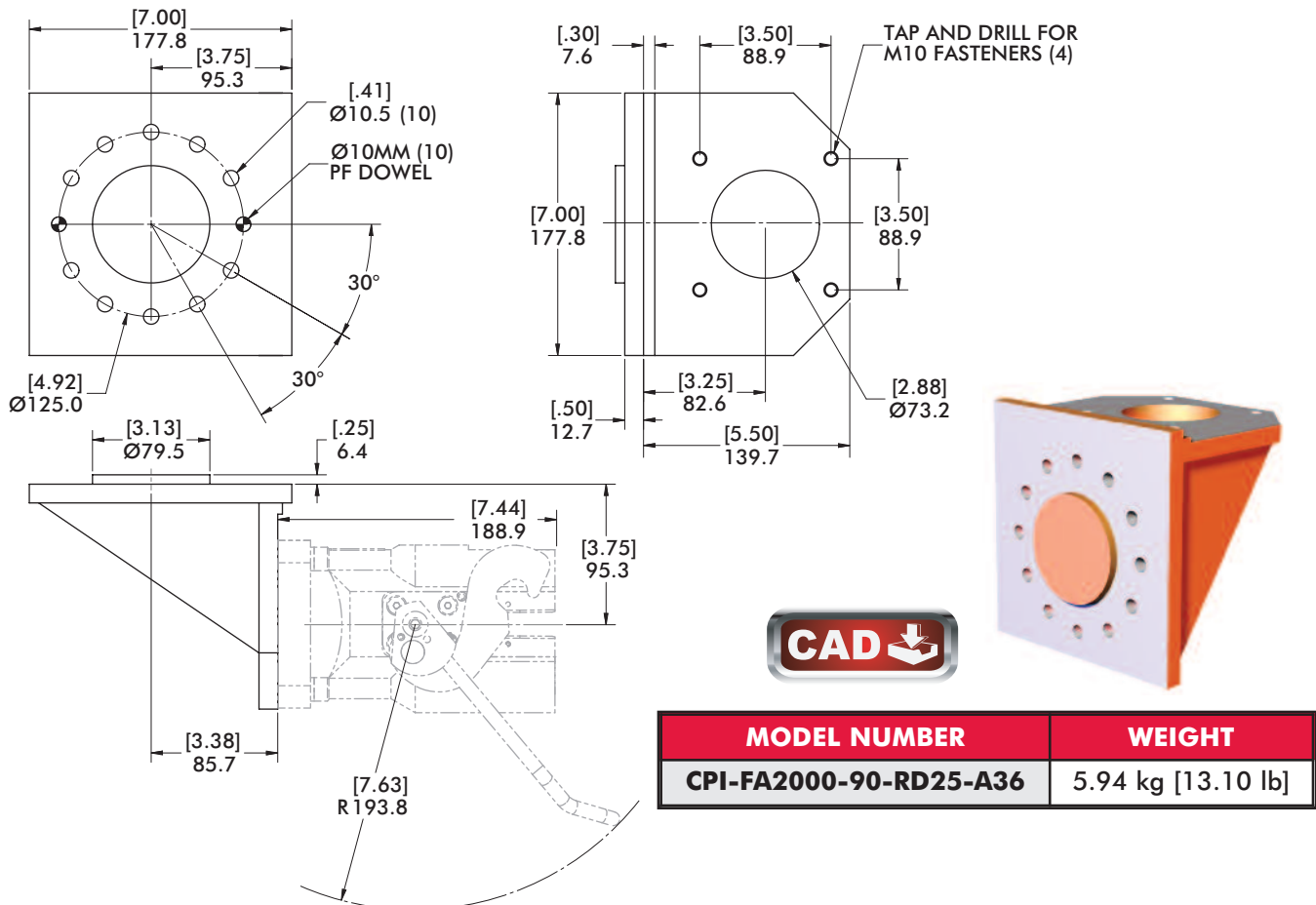
Automation Adaptors - 250 Series Robot Adaptors

Style 16 - FA2000 Direct Mount Adaptor (Ø125mm Bolt Circle)

Models Supported:
FANUC R2000I



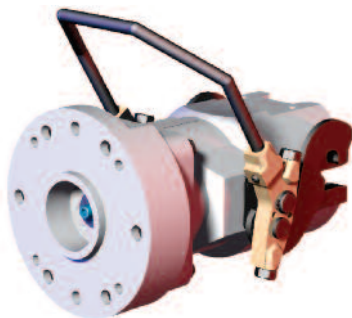
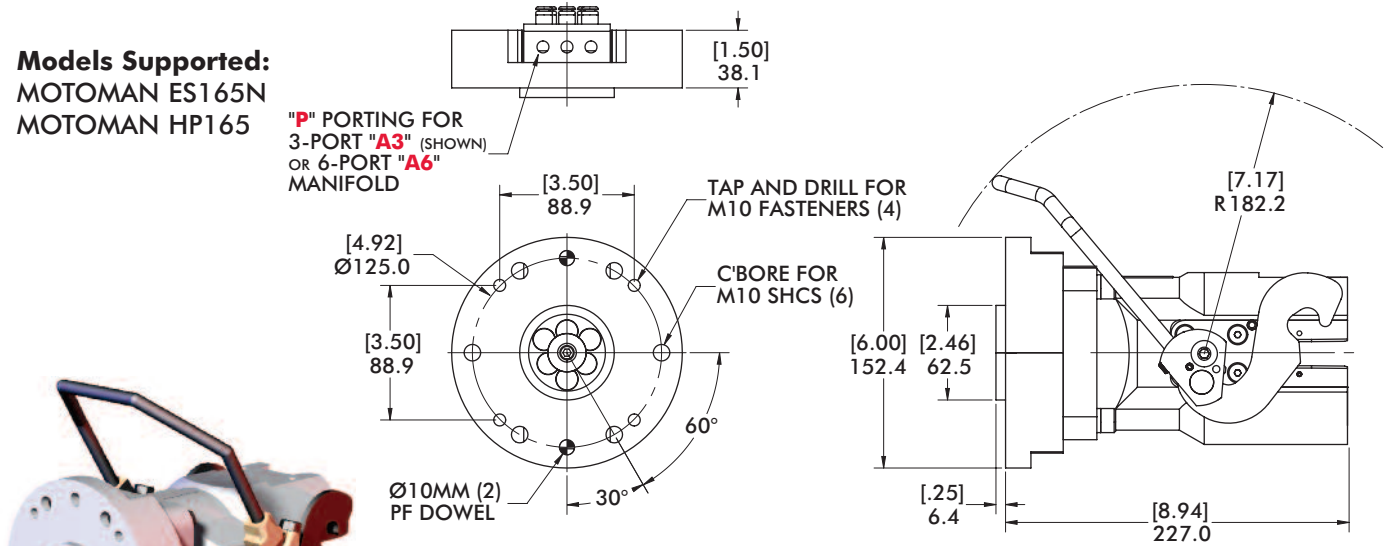
Style 16 - FA2000 90° Robot Adaptor (Ø125mm Bolt Circle)



Automation Adaptors - 250 Series Robot Adaptors
Style 18 - MMHP165 Direct Mount Adaptor (Ø125mm Bolt Circle)

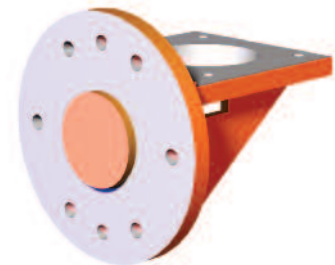
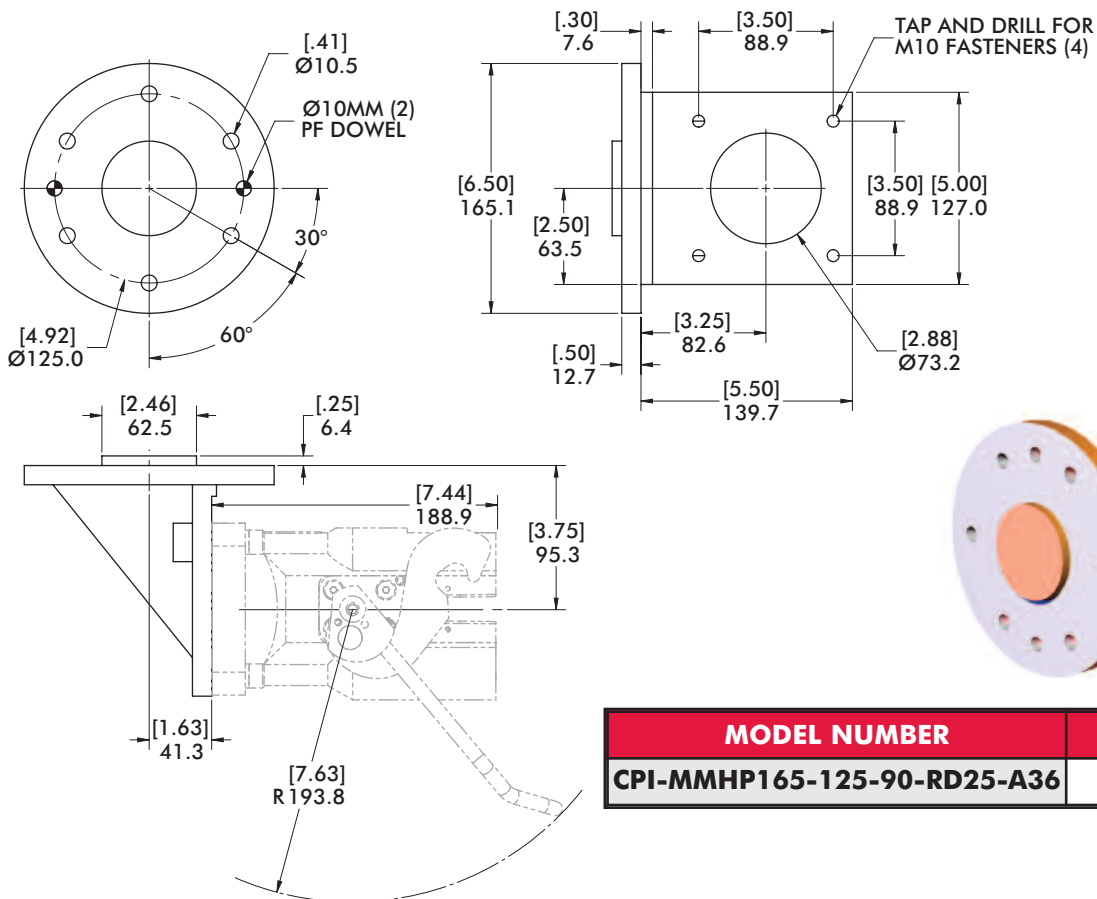
Models Supported:
 MOTOMAN ES165N
 MOTOMAN HP165

"P" PORTING FOR
 3-PORT "A3" (SHOWN)
 OR 6-PORT "A6"
 MANIFOLD



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-MMHP165-125-DM-RD25-A3	3/8 NPT	3 (2/1)	1.55 kg [3.41 lb]
CPI-MMHP165-125-DM-RD25-A6	1/8 NPT	6 (3/3)	1.58 kg [3.49 lb]

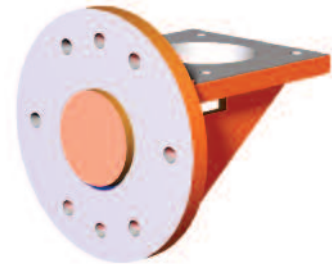
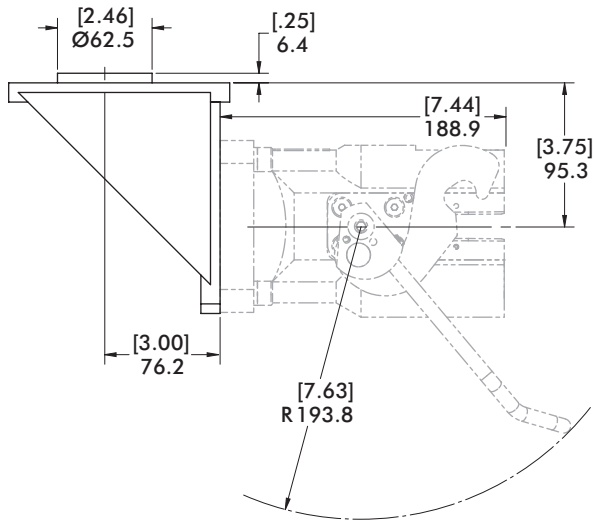
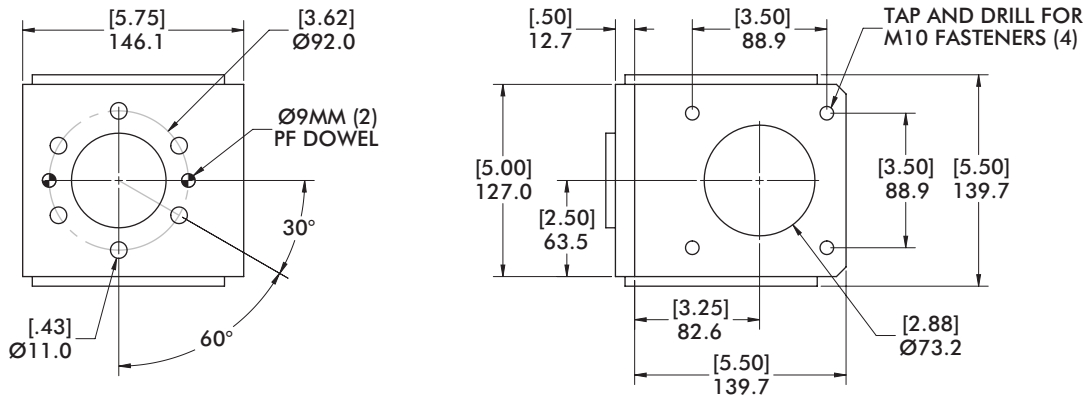
Style 18 - MMHP165 90° Robot Adaptor (Ø125mm Bolt Circle)



MODEL NUMBER	WEIGHT
CPI-MMHP165-125-90-RD25-A36	4.04 kg [8.91 lb]

Automation Adaptors - 250 Series Robot Adaptors

Style 19 - MMHP165 90° Adaptor (Ø92mm Bolt Circle)

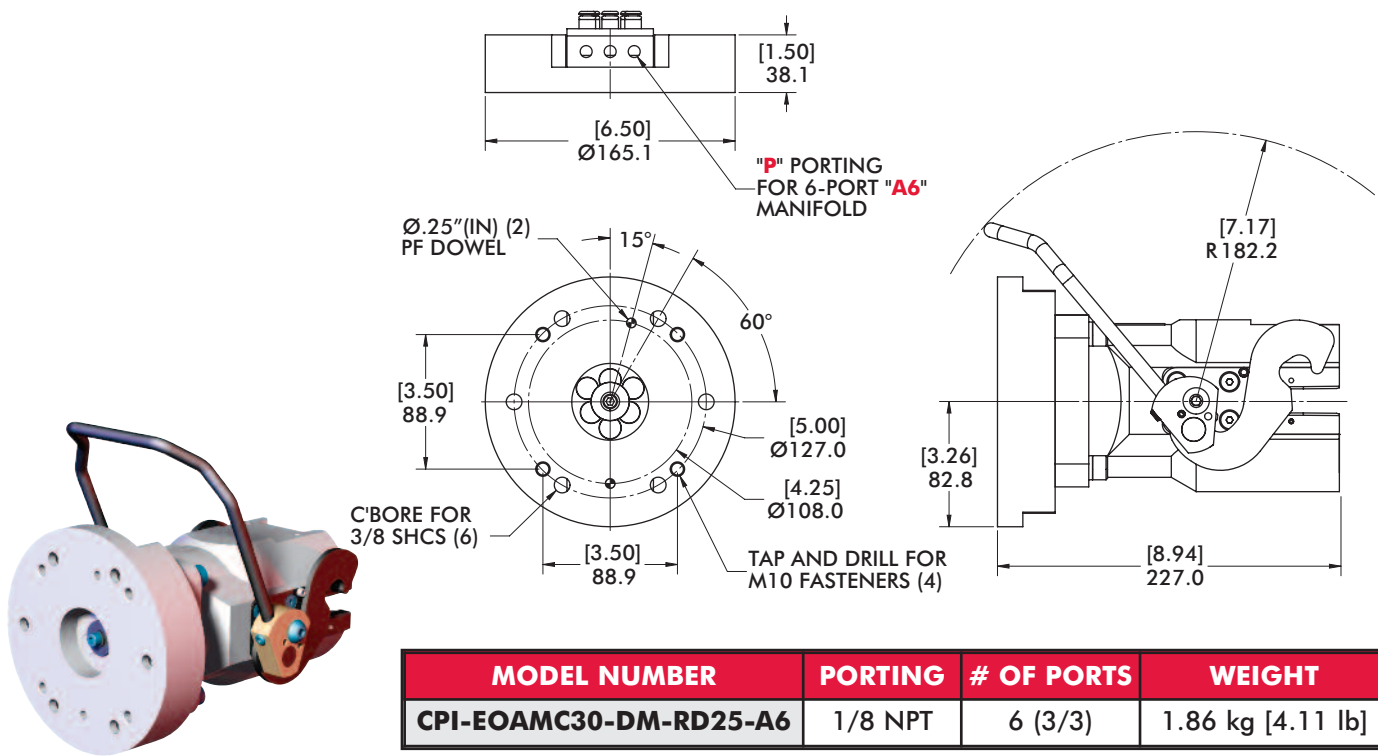


Models Supported:
 HP165
 ES165N

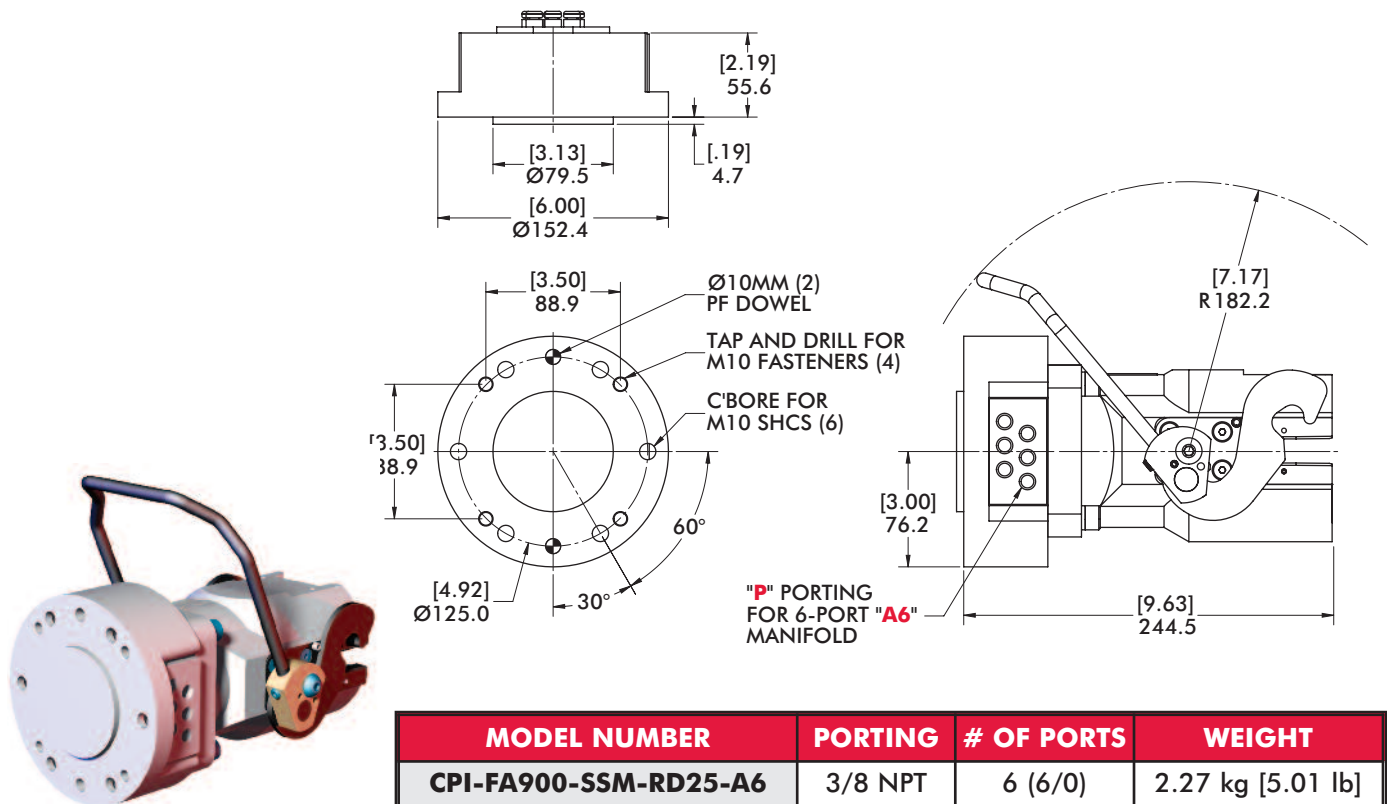
MODEL NUMBER	WEIGHT
CPI-MMHP165-92-90-RD25-A36	4.03 kg [8.89 lb]

Automation Adaptors - 250 Series Robot Adaptors

Style 21 - EOAMC30 Direct Mount Adaptor (Ø127mm Bolt Circle/Ø108mm Dowel Circle)

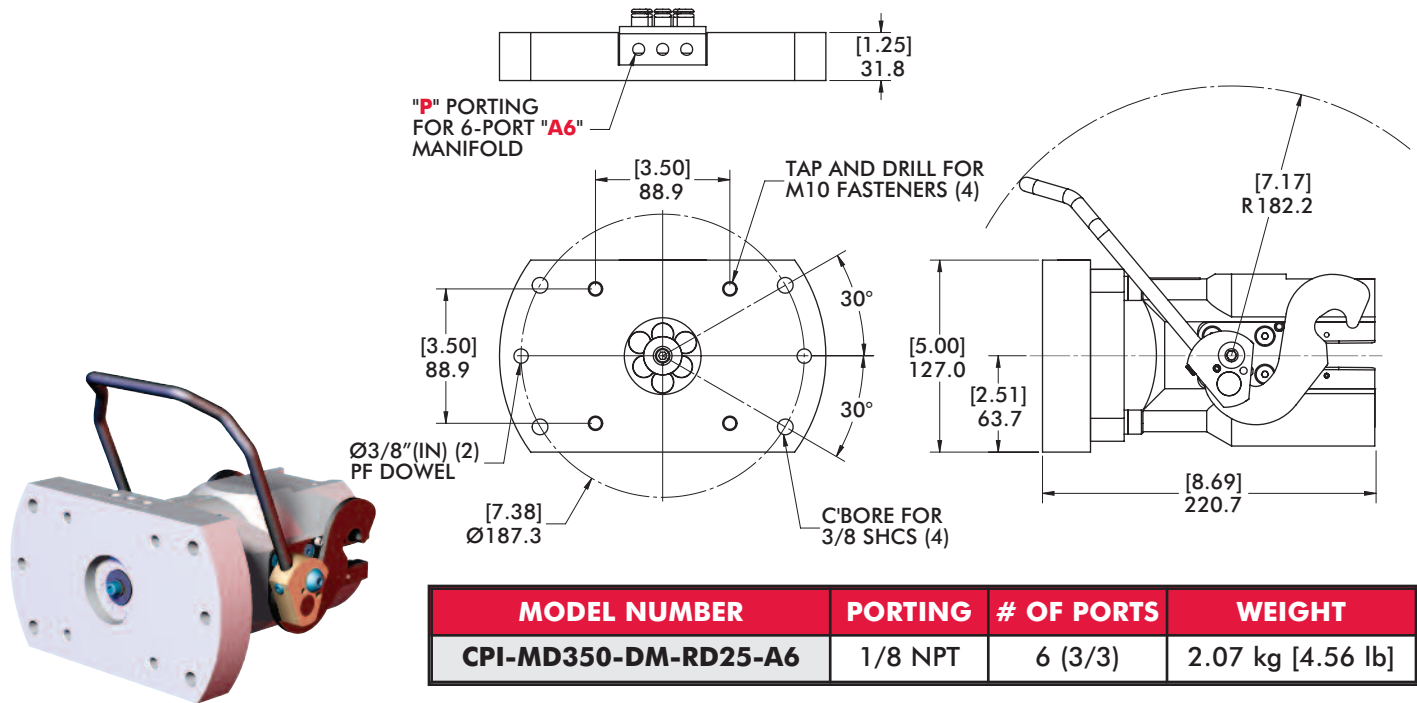


Style 22 - FA900-SSM Direct Mount Adaptor (Ø125mm Bolt Circle)

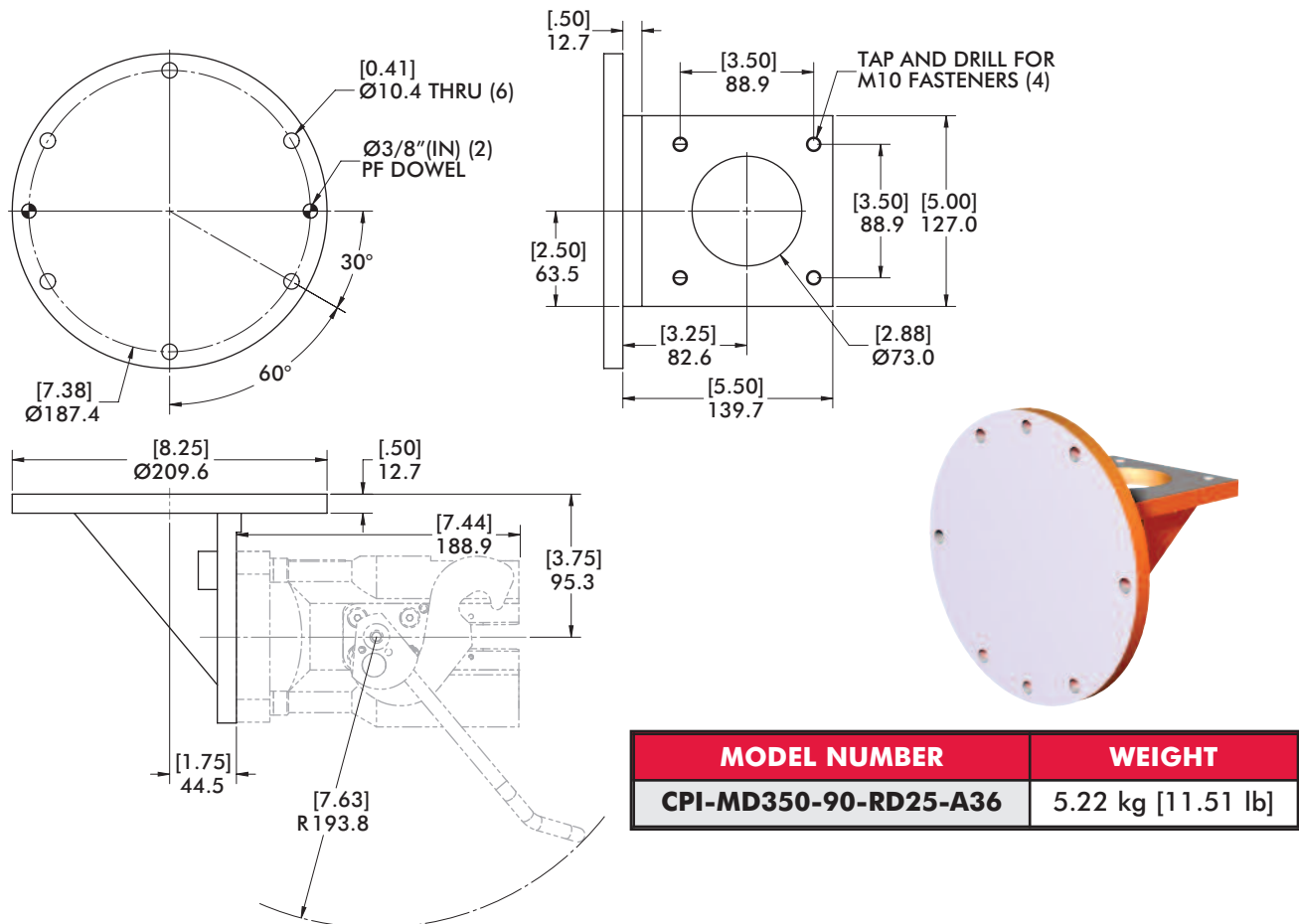


Automation Adaptors - 250 Series Robot Adaptors

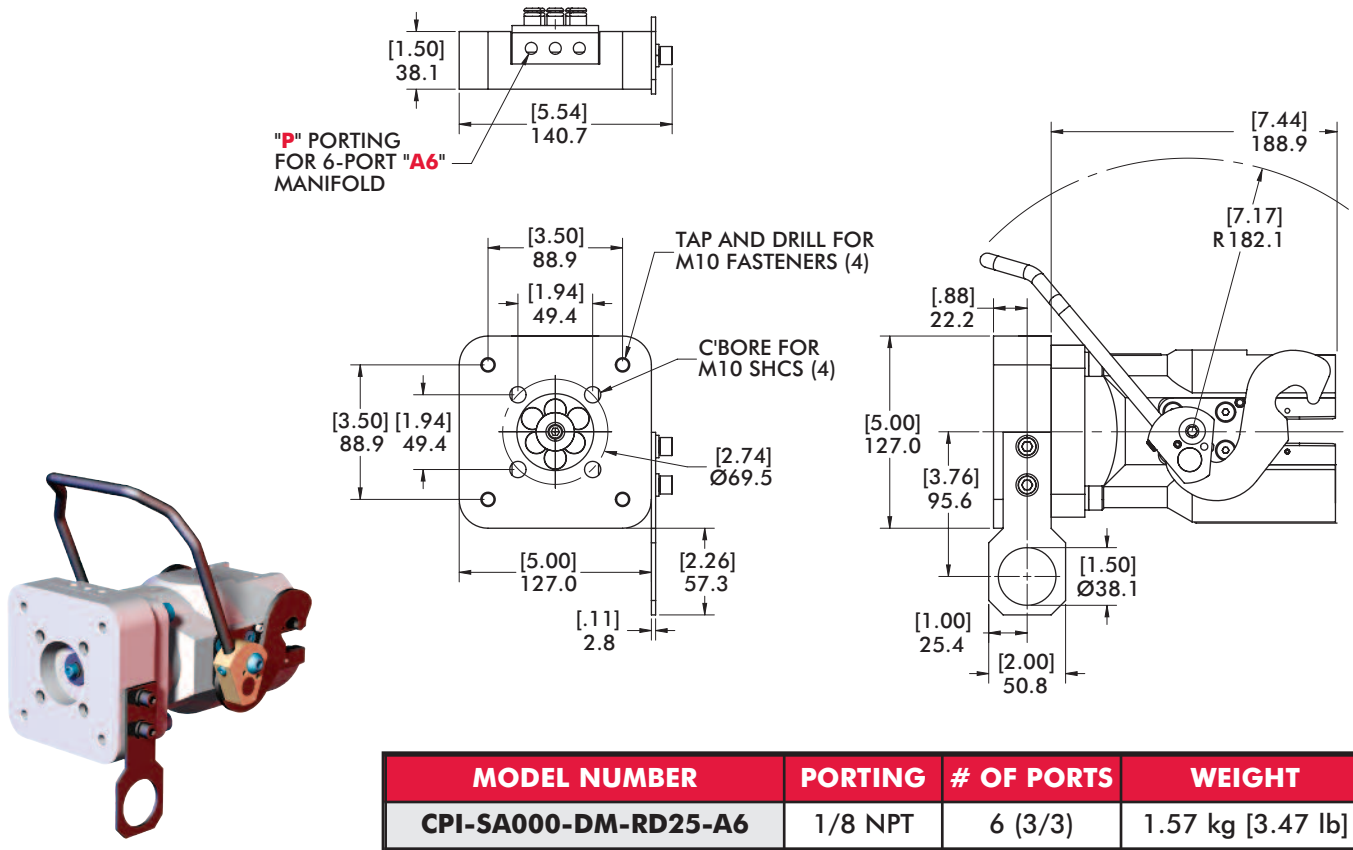
Style 23 - MD350 Direct Mount Adaptor - Ø187.3mm Bolt Circle



Style 23 - MD350 90° Robot Adaptor

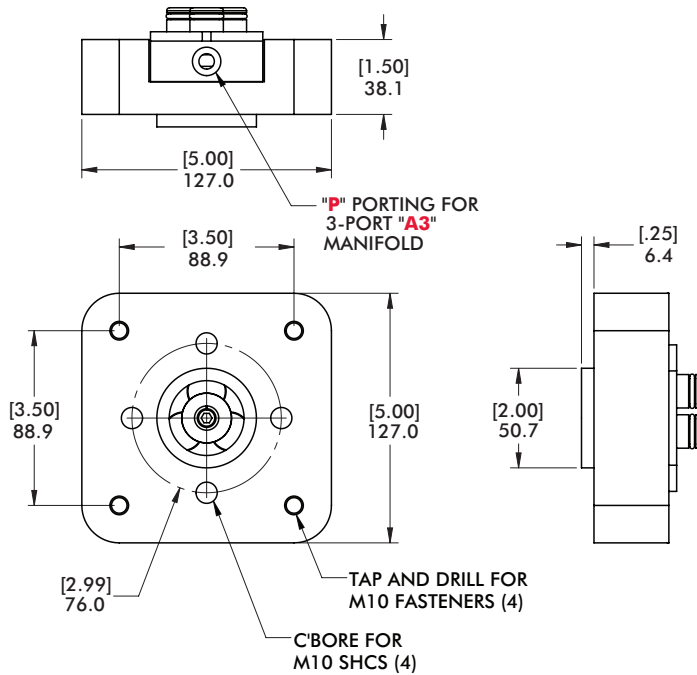


Automation Adaptors - 250 Series Robot Adaptors
 Style 24 - SA000 Direct Mount Adaptor - Ø69.5mm Bolt Circle



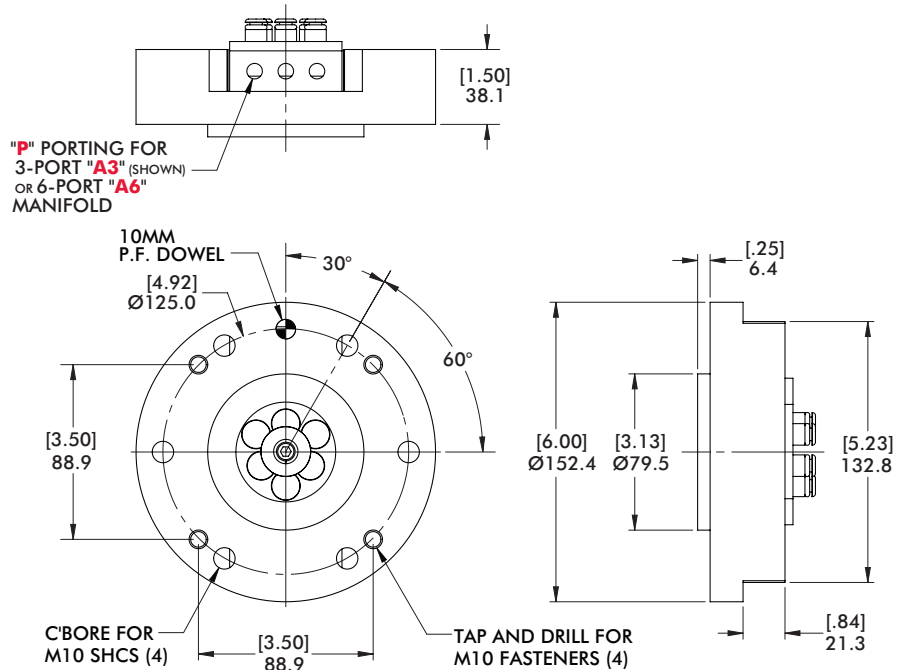
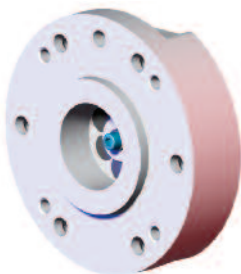
Automation Adaptors - 250 Series Robot Adaptors

CM975XL Direct Mount Adaptor - Ø76mm Bolt Circle



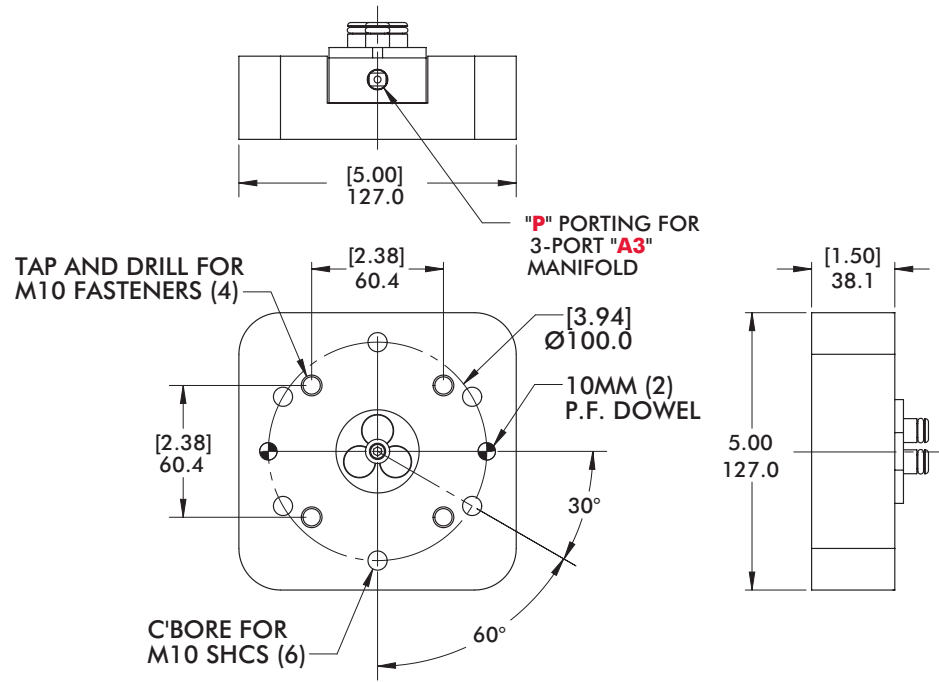
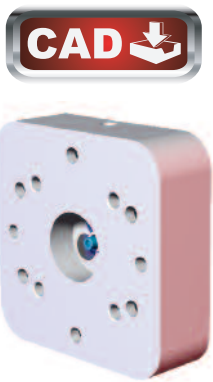
MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-CM675XL-DM-RD25-A3	3/8 NPT	3 (2/1)	1.47 kg [3.24 lb]

CHM32 Direct Mount Adaptor - Ø125mm Bolt Circle



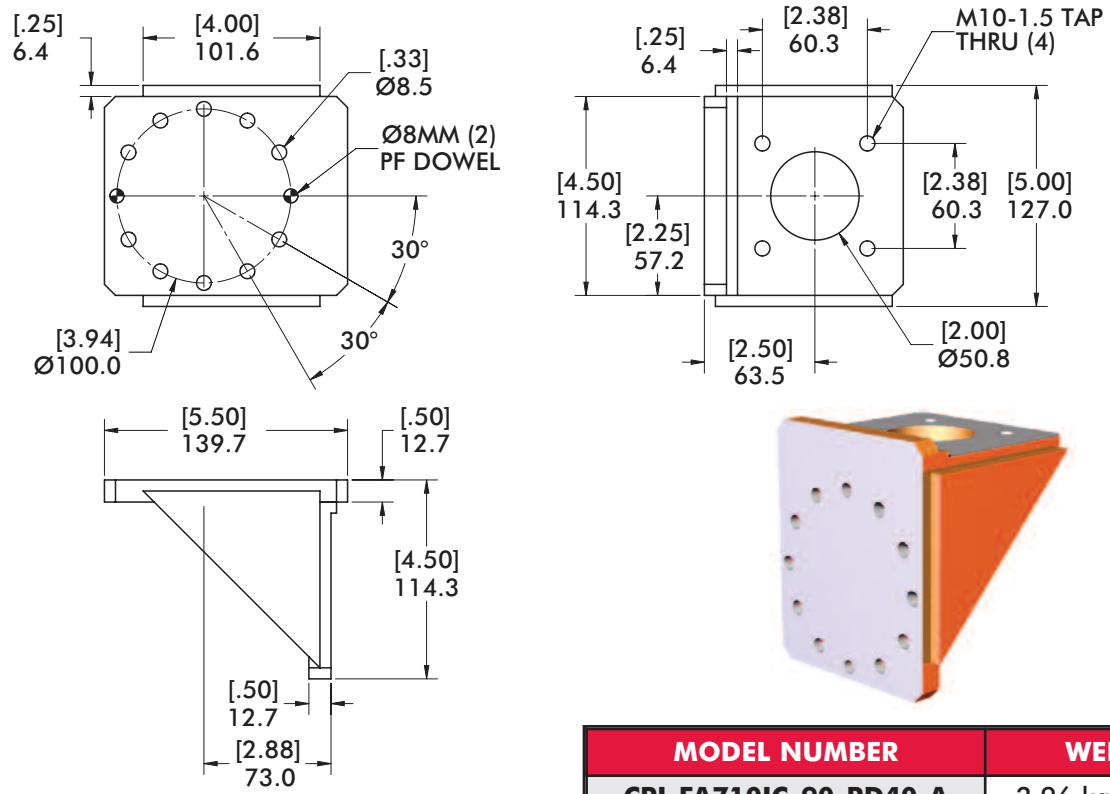
MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-CHM32-DM-RD25-A3	3/8 NPT	3 (2/1)	2.38 kg [5.25 lb]
CPI-CHM32-DM-RD25-A6	1/8 NPT	6 (3/3)	2.42 kg [5.34 lb]

Automation Adaptors - 150/40 Series Robot Adaptors FA710 Direct Mount Adaptor - Ø100mm Bolt Circle



MODEL NUMBER	PORTING	# OF PORTS	WEIGHT
CPI-FA710-DM-TT15-A3	3/8 NPT	3 (2/1)	1.45 kg [3.19 lb]

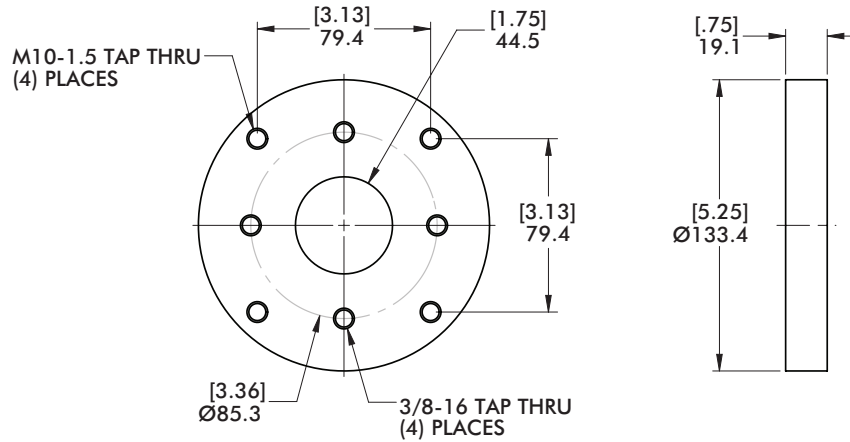
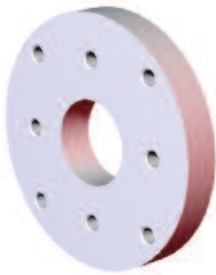
FA710IC 90° Robot Adaptor - Ø100mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-FA710IC-90-RD40-A	2.96 kg [6.52 lb]

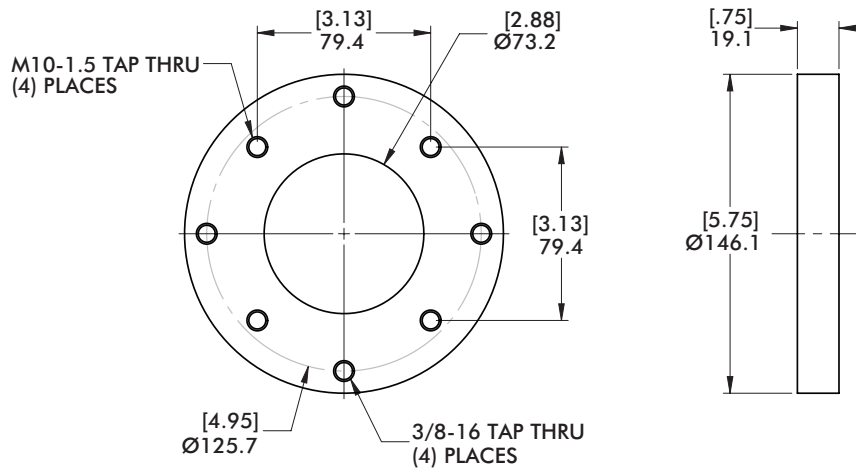
Automation Adaptors

TDA-150F Direct Mount Adaptor Plate - Ø85mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-TDA-150F-312F	.62 kg [1.36 lb]

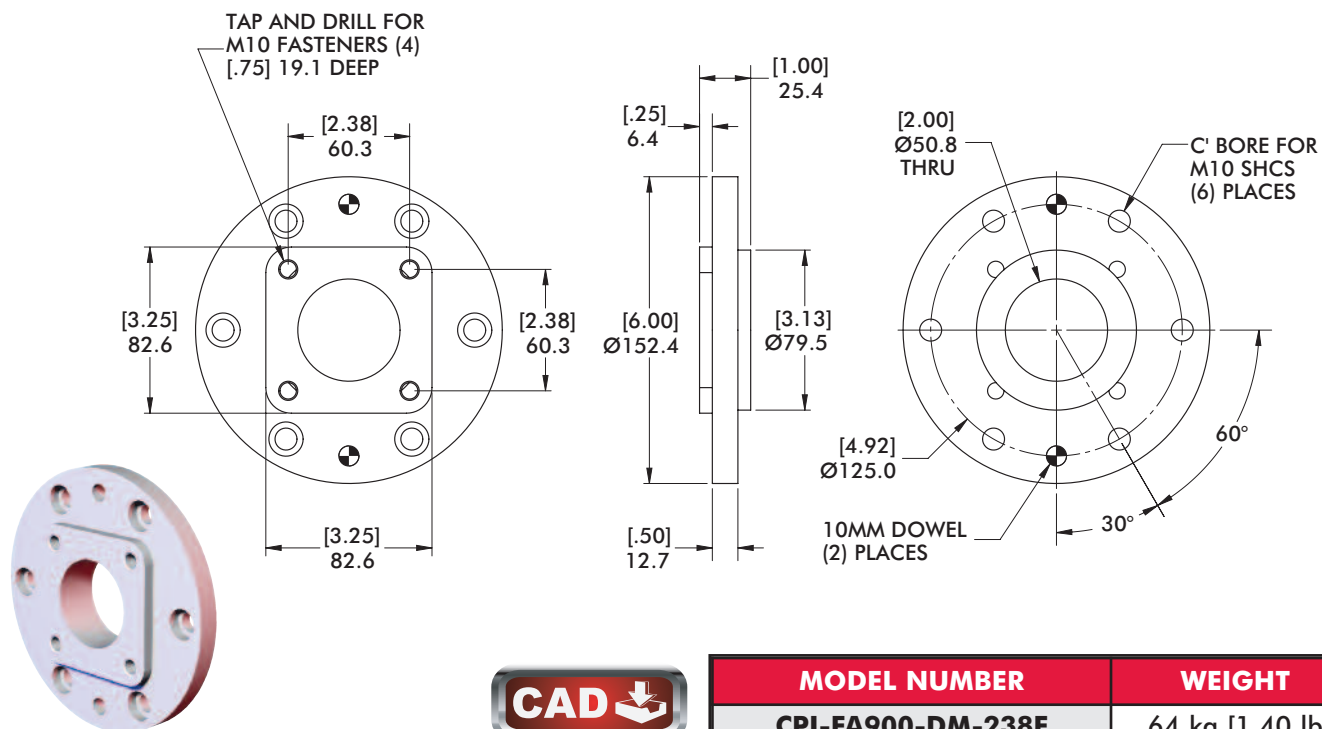
TDA-250F Direct Mount Adaptor Plate - Ø125mm Bolt Circle



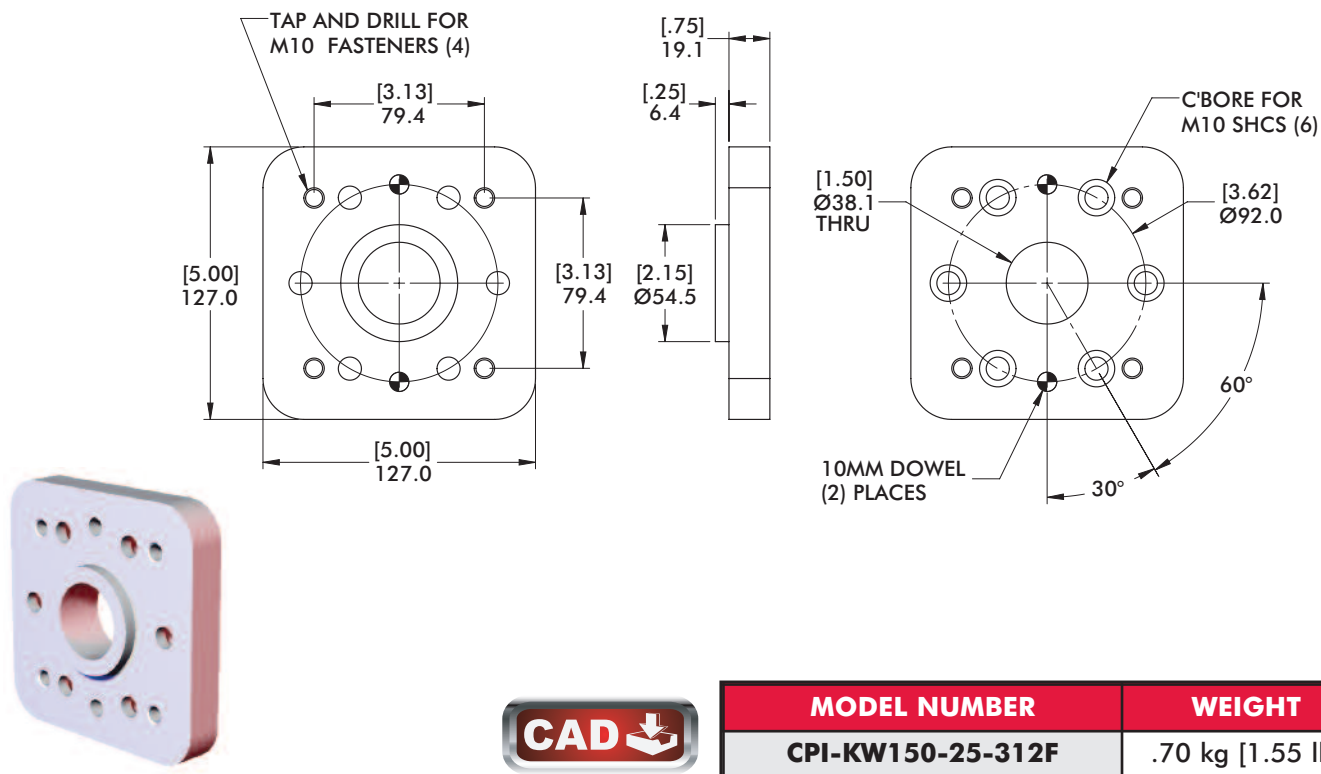
MODEL NUMBER	WEIGHT
CPI-TDA-250F-312F	.63 kg [1.38 lb]

Automation Adaptors

FA900 Direct Mount Adaptor Plate - Ø125mm Bolt Circle

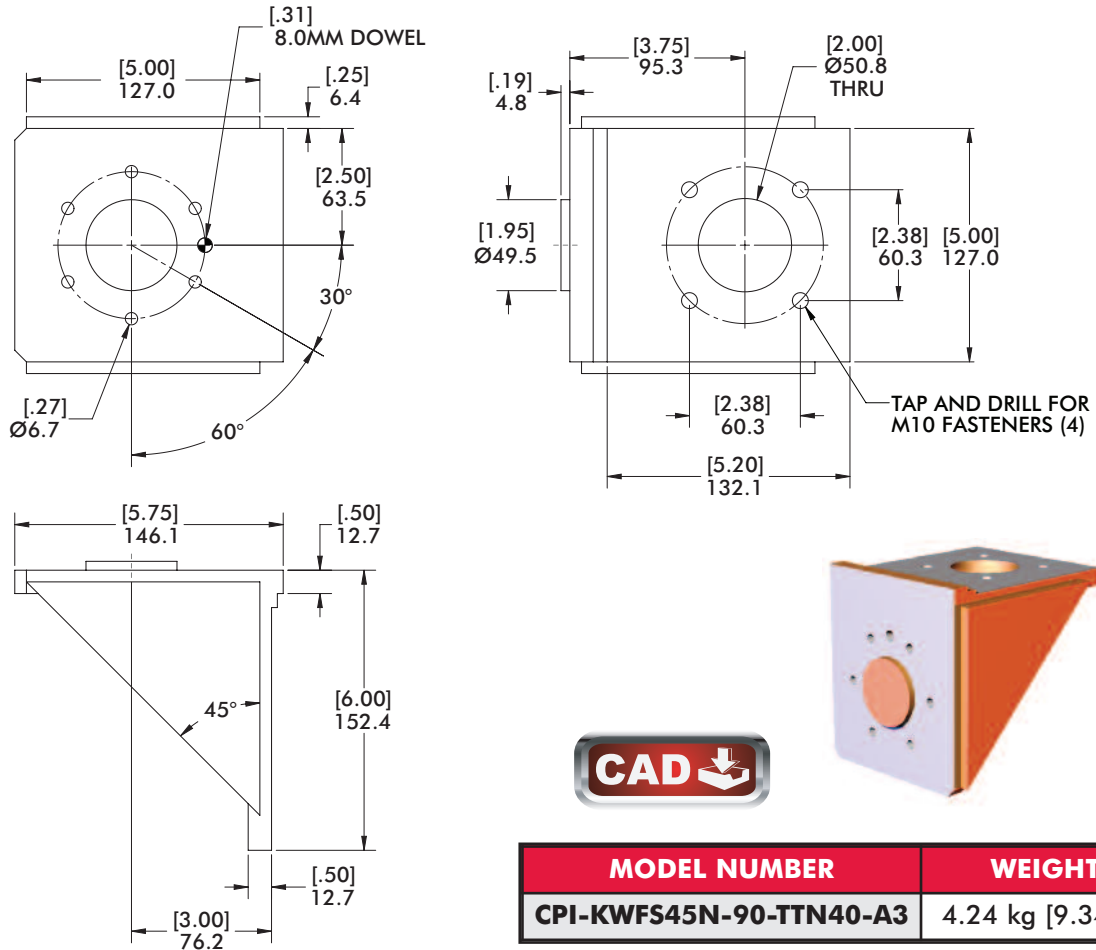


KW150 Direct Mount Adaptor Plate - Ø92mm Bolt Circle

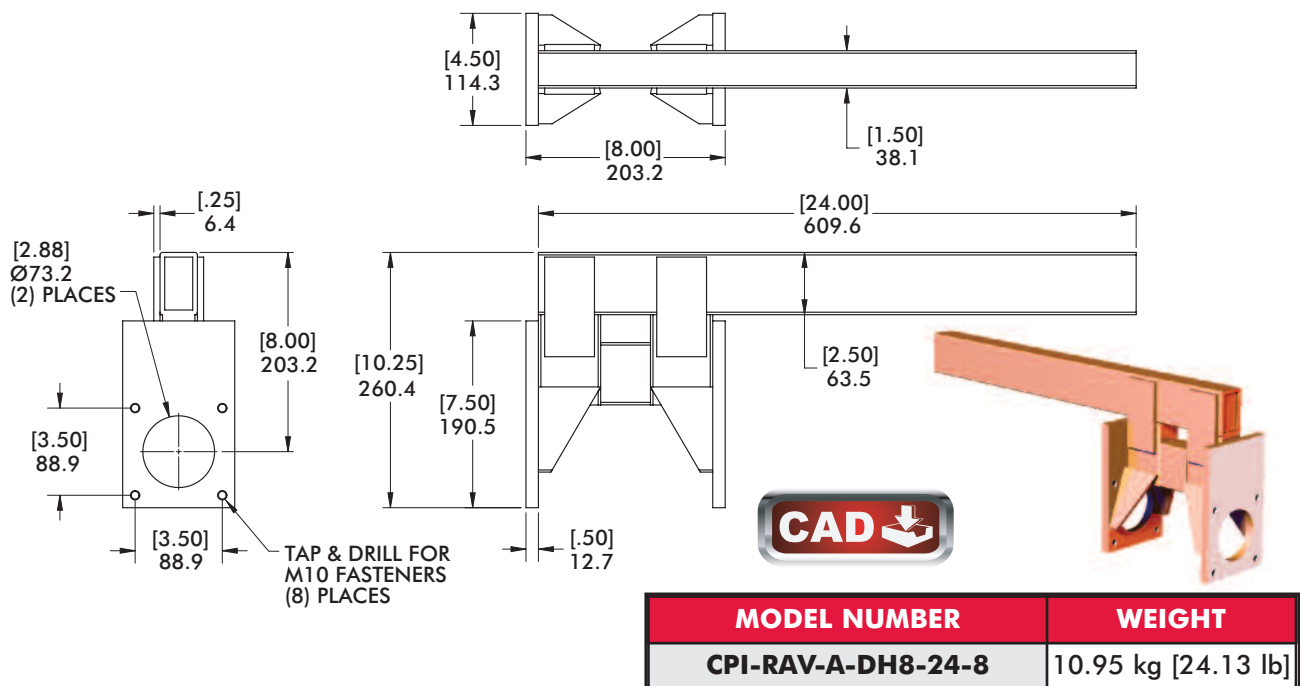


Automation Adaptors

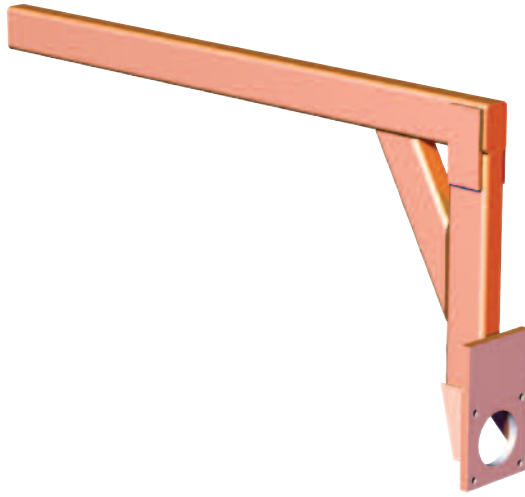
KWFS45N 90° Degree Robot Adaptor to 40mm Disk



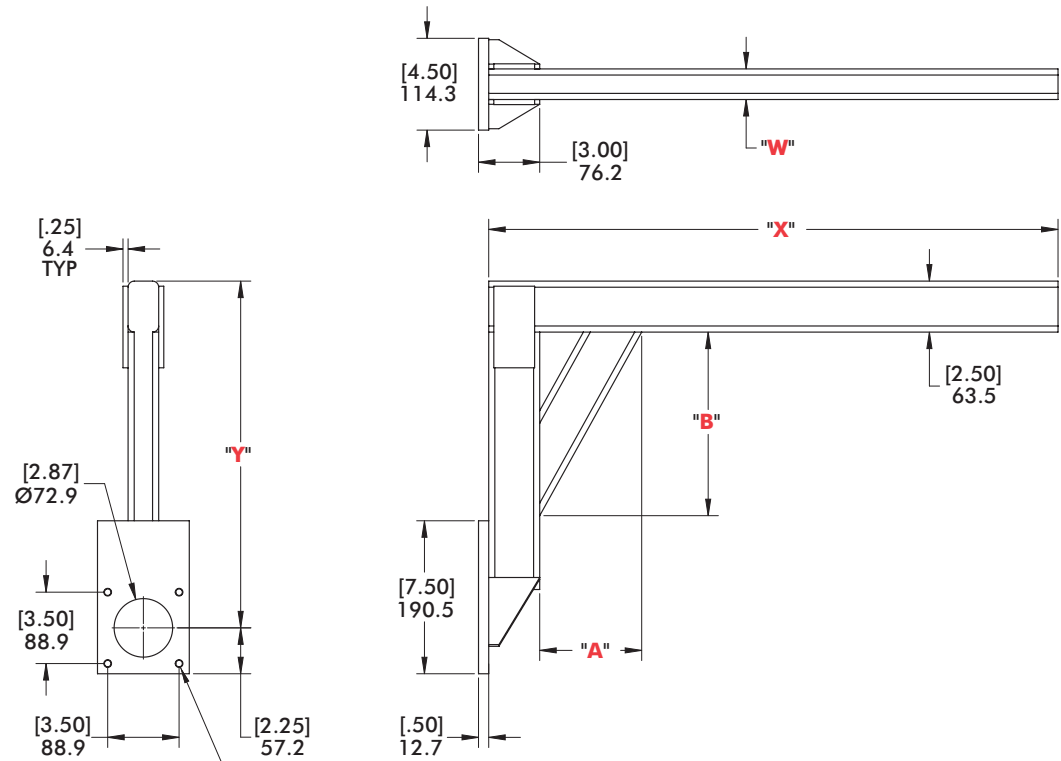
Doppin Adaptor - Double Housing with Air



Automation Adaptors
RDN Air Disconnect Adaptor

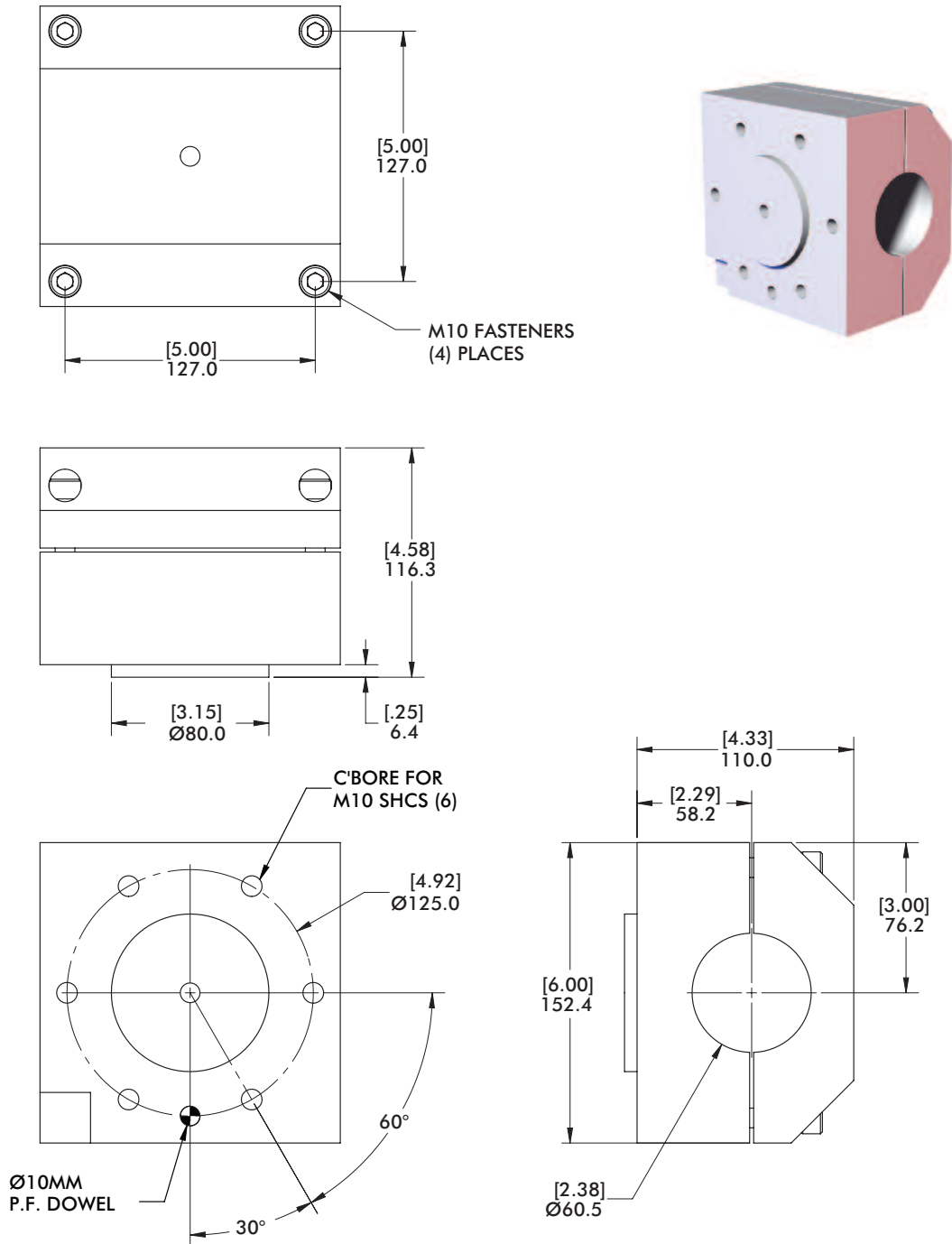


MODEL	"W"
RAV	38.1 [1.50]
RAV3P	76.2 [3.00]



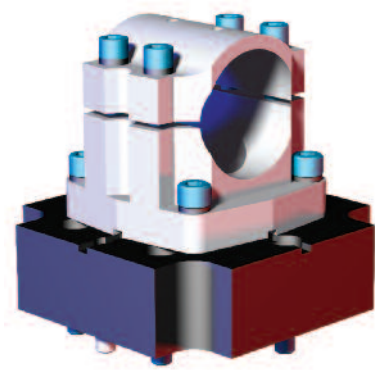
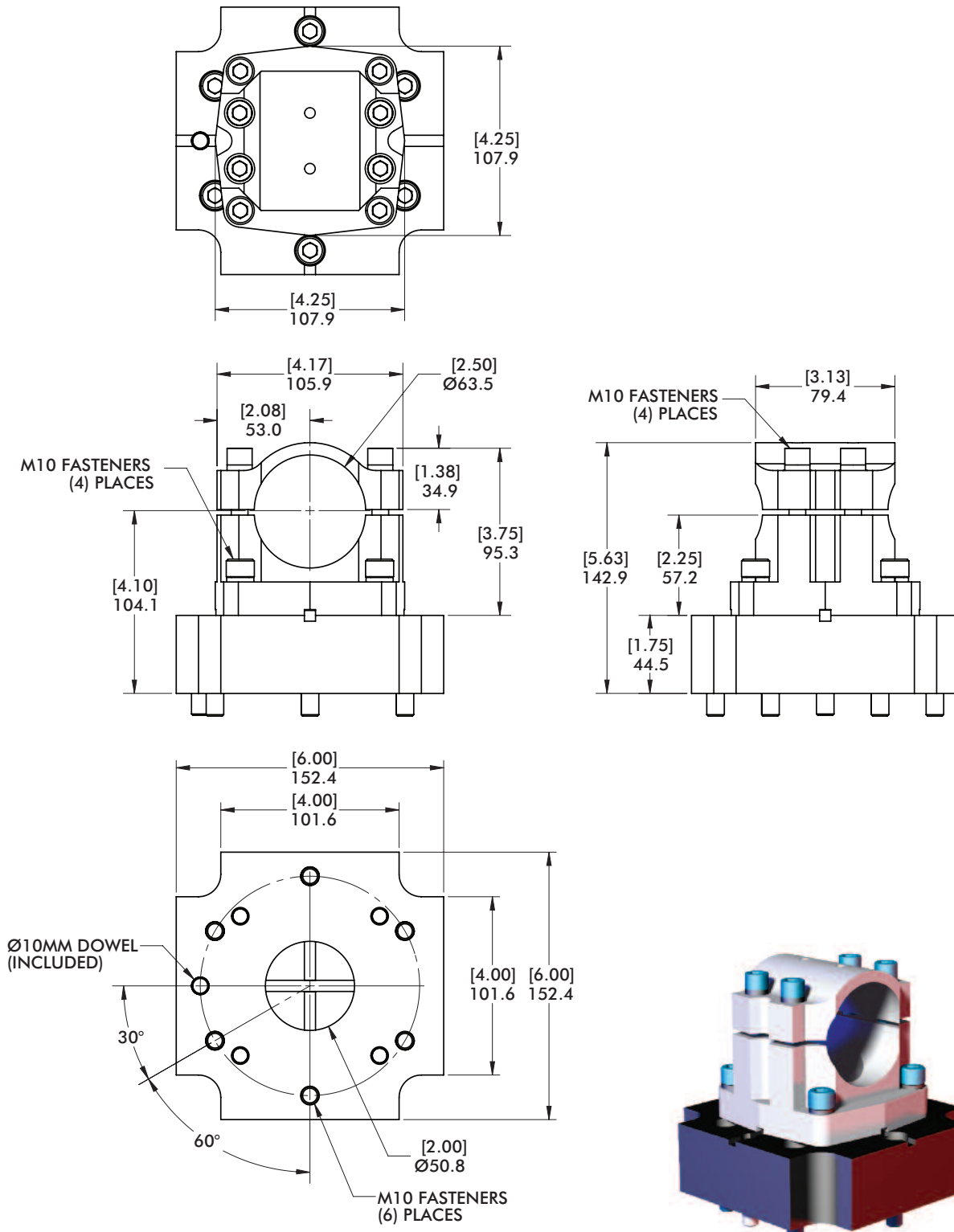
CPI	MODEL	A	"X"	"Y"	"A"	"B"
	RAV		24	8-16	0 ("Y"=8-16)	0 ("Y"=8-16)
	RAV3P		36			
			42 (RAV3P)	17-24	4-19 ("X"=24)	9 ("Y"=17-18)
			48		4-31 ("X"=36)	10 ("Y"=19-20)
			60		4-36 ("X"=42/48/60)	11 ("Y"=21-22)
						12 ("Y"=23-24)

Automation Adaptors CL-LAN - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-CL-LAN-EOL	5.25 kg [11.58 lb]

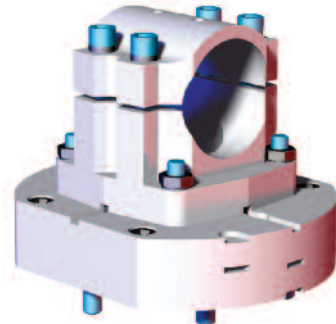
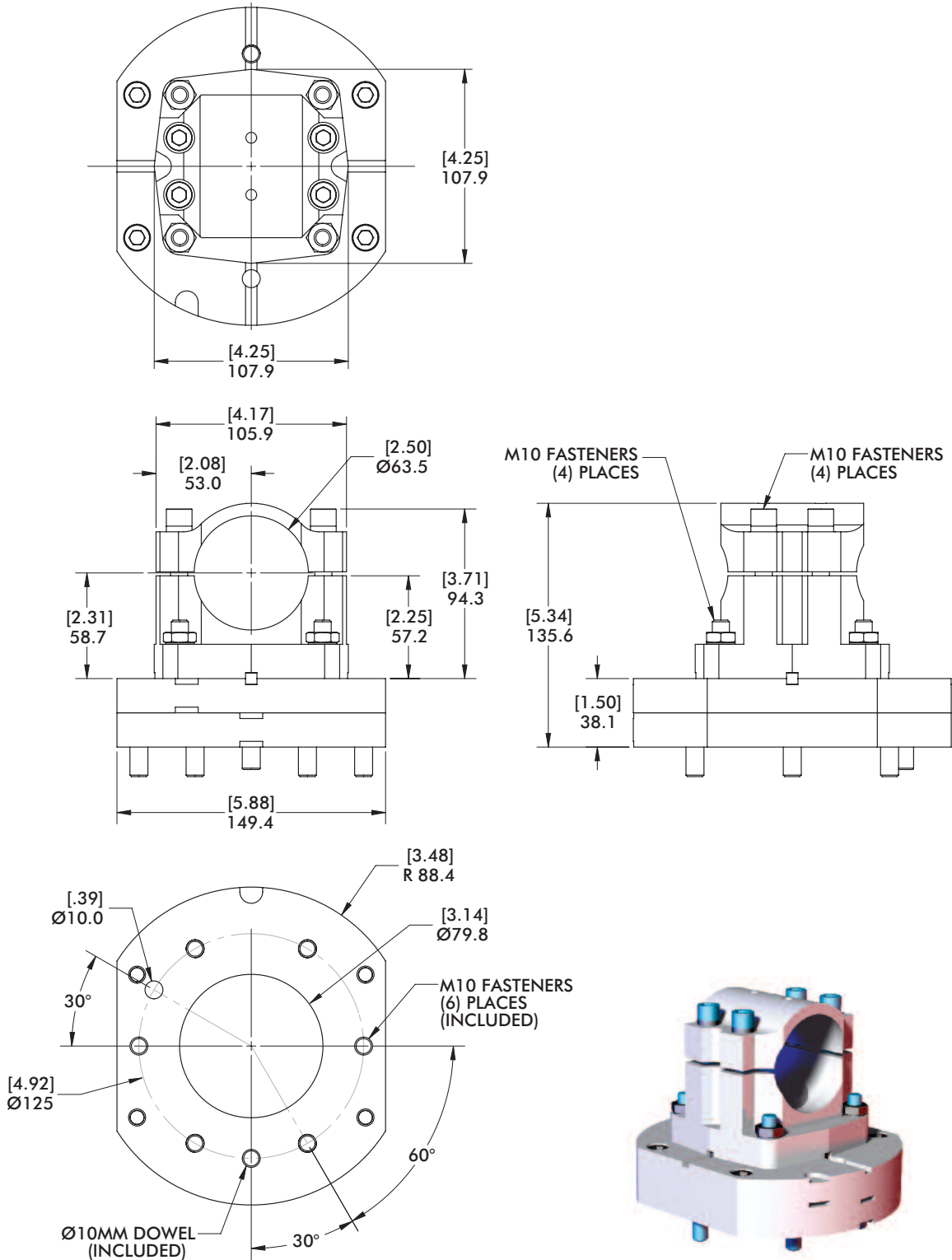
Automation Adaptors
 ATI-151 90° Medium Duty - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-151-90-WT	3.64 kg [8.03 lb]

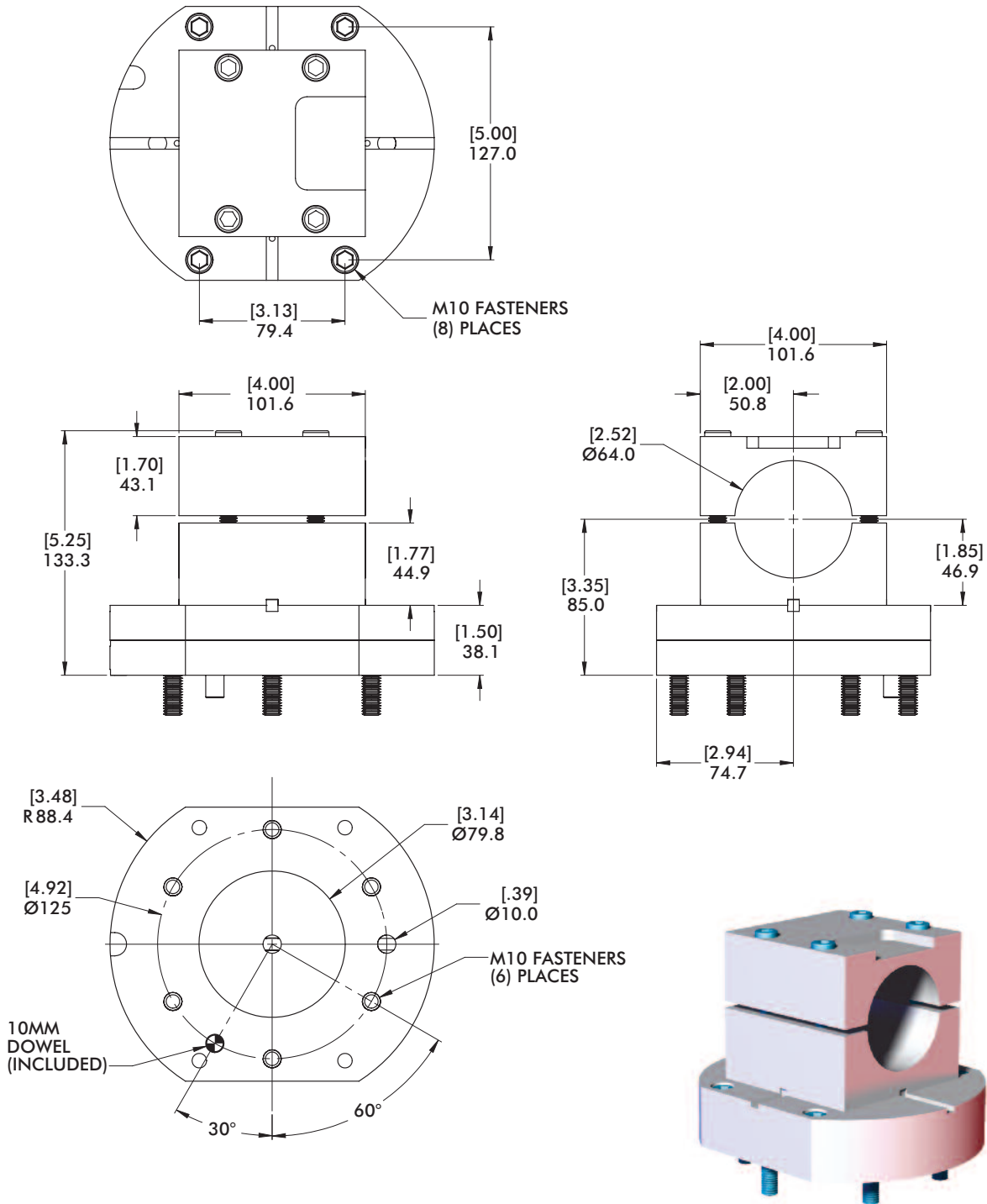
Automation Adaptors

ATI-90 Light Duty - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-90	3.55 kg [7.82 lb]

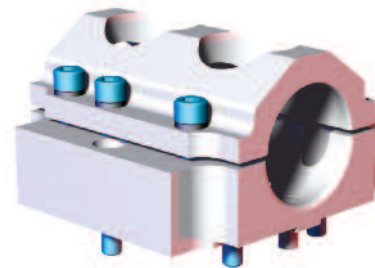
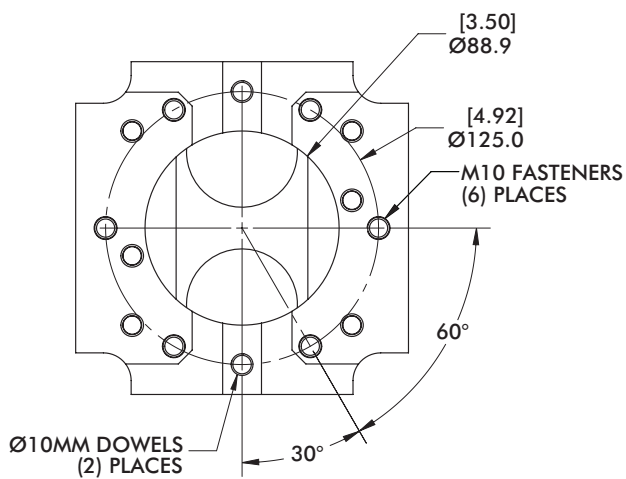
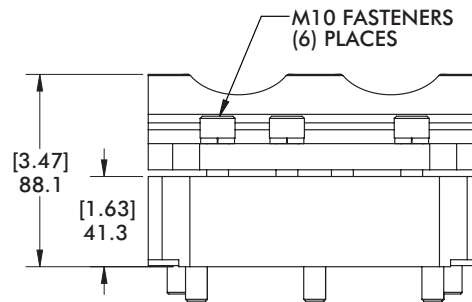
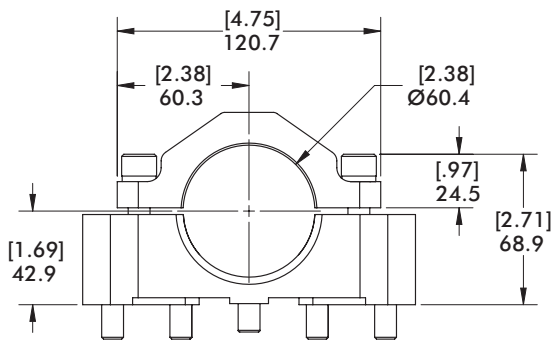
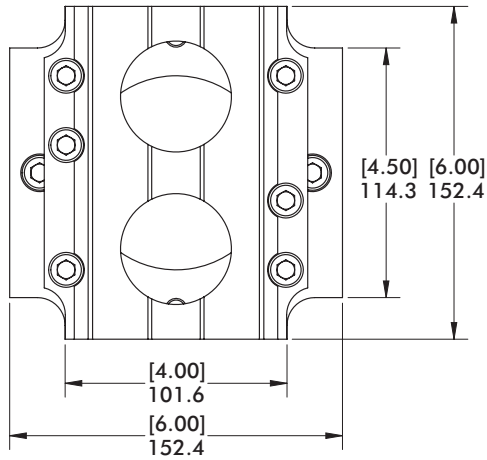
Automation Adaptors
 ATI-90-SP 90° Light Duty - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-90-SP	3.64 kg [8.03 lb]

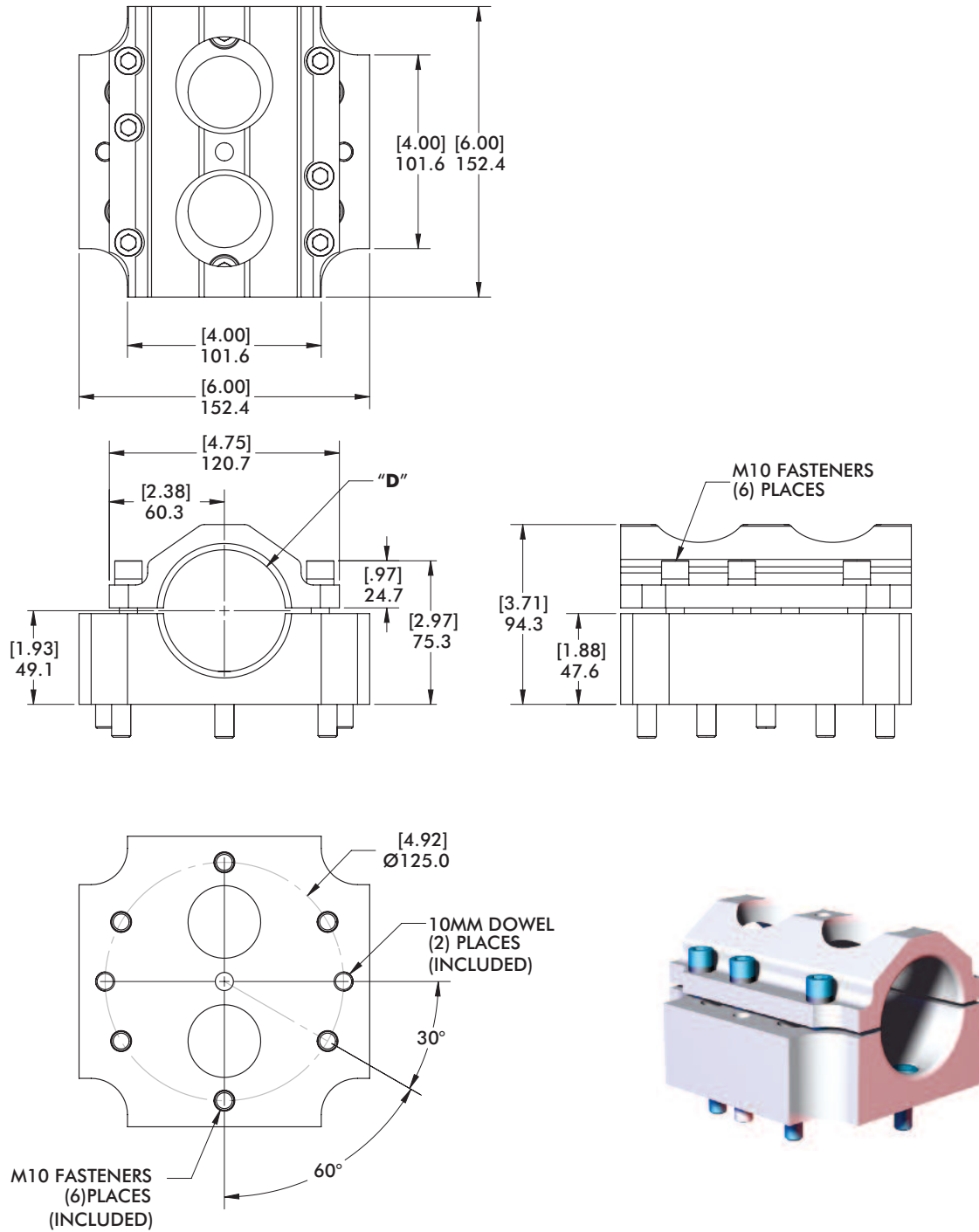
Automation Adaptors

ATI-201-60 - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-201-60	2.29 kg [5.06 lb]

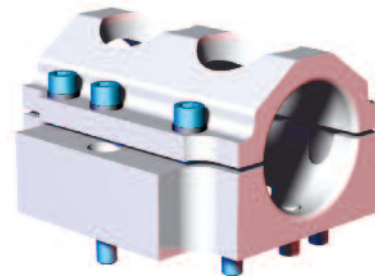
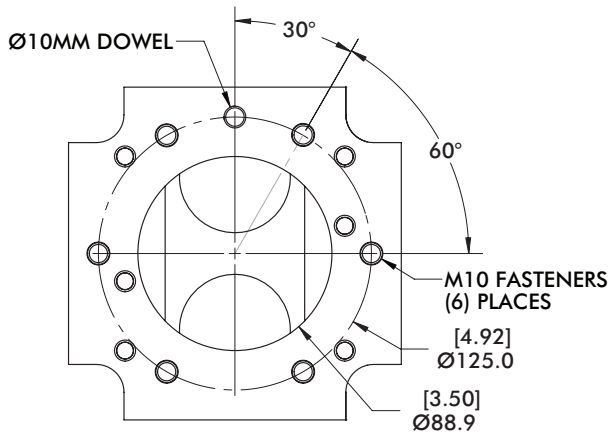
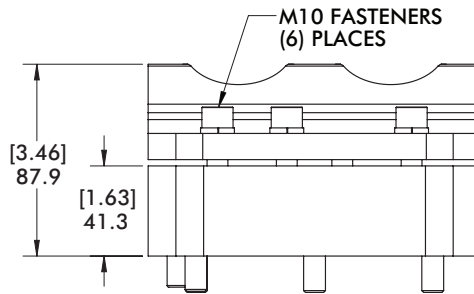
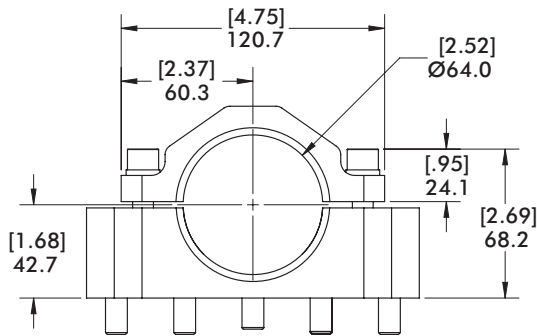
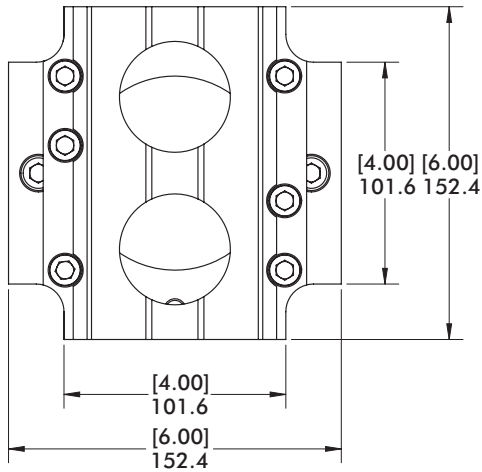
Automation Adaptors
ATI-201-xxx-90 - Ø125mm Bolt Circle Dowels @



MODEL NUMBER	(Ø) "D"	(Ø) ACTUAL	WEIGHT
CPI-ATI-201-60-90	60mm	60.45 ^{±.08} [2.380 ^{±.003}]	1.27 kg [2.80 lb]
CPI-ATI-201-250-90	2.50"(in)	63.96 ^{±.08} [2.518 ^{±.003}]	1.27 kg [2.80 lb]

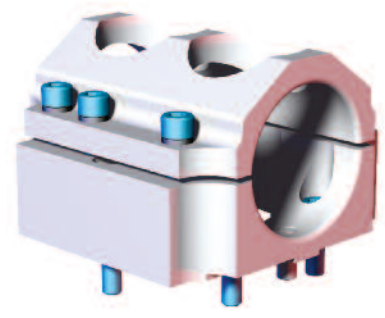
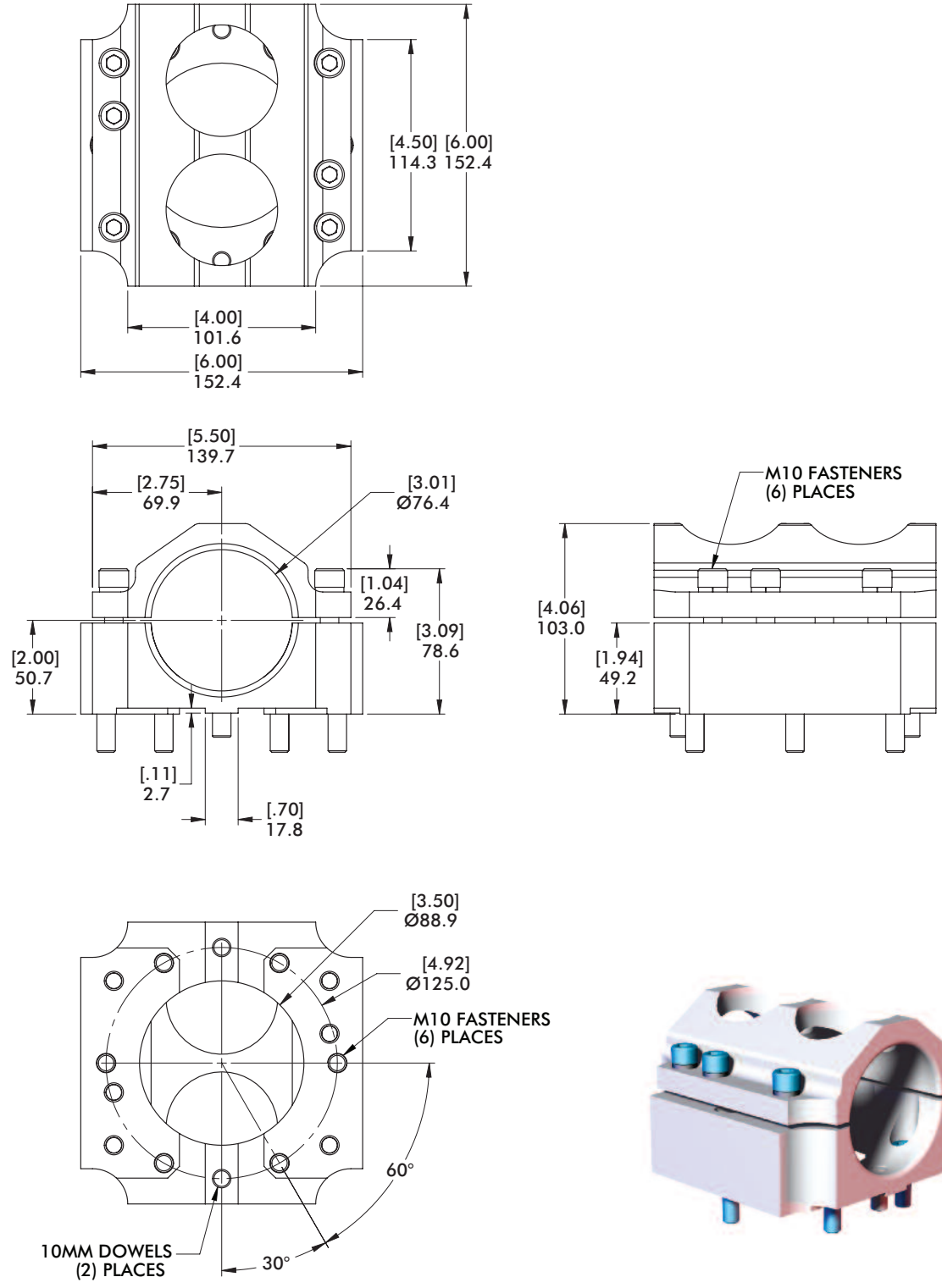
Automation Adaptors

ATI-201-90-HD - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-201-90-HD	2.17 kg [4.77 lb]

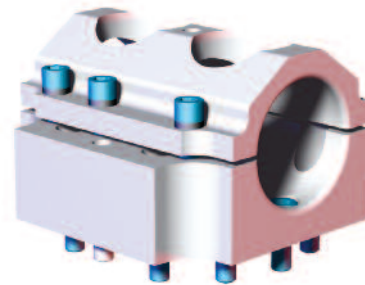
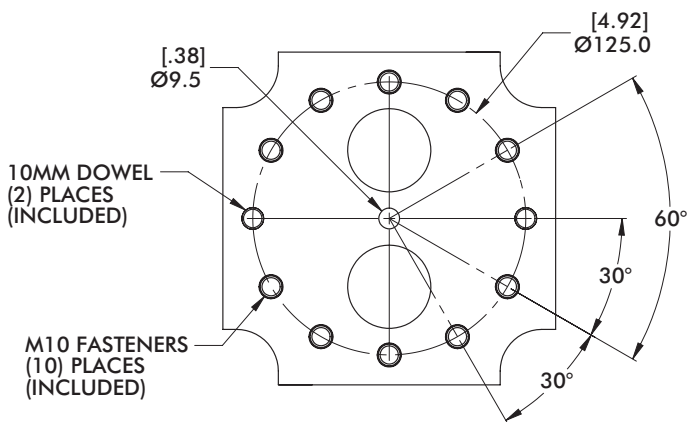
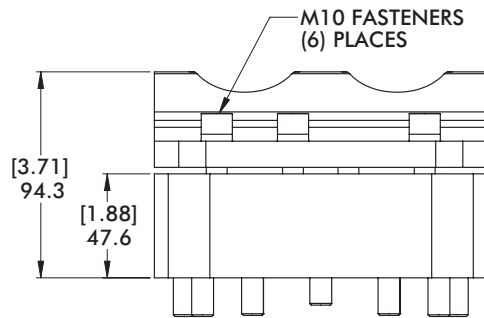
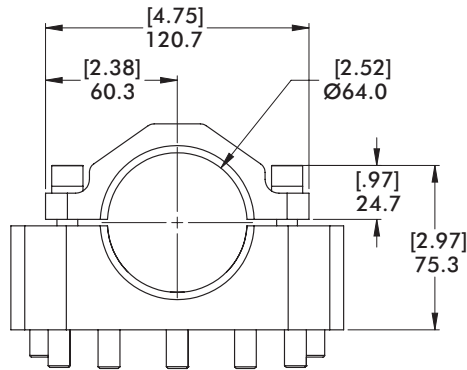
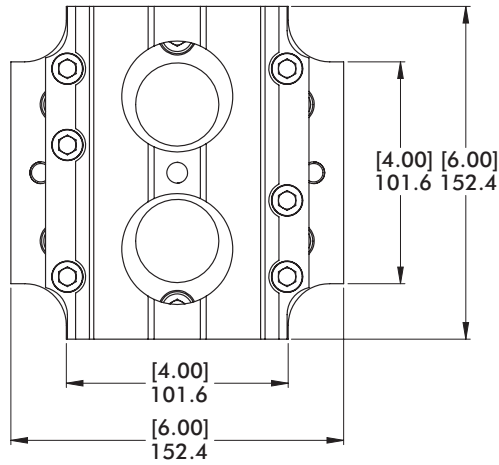
Automation Adaptors ATI-150-90-3HD - Ø125mm Bolt Circle



MODEL NUMBER	WEIGHT
CPI-ATI-201-90-3HD	2.50 kg [5.52 lb]

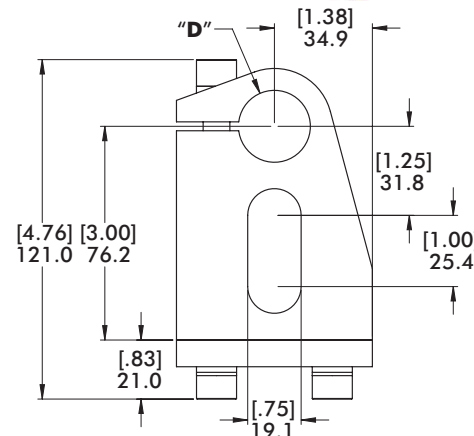
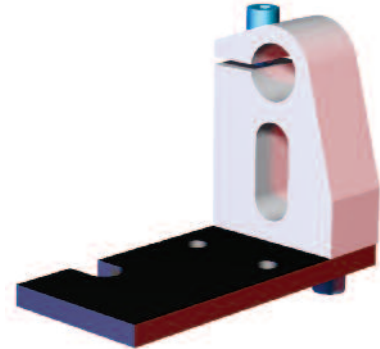
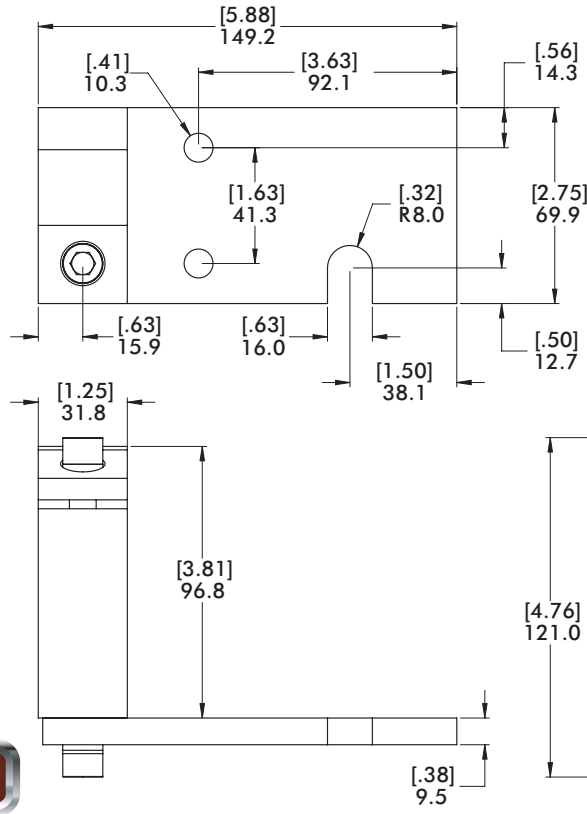
Automation Adaptors

ATI 90° World Tool Assembly - Ø125mm Bolt Circle

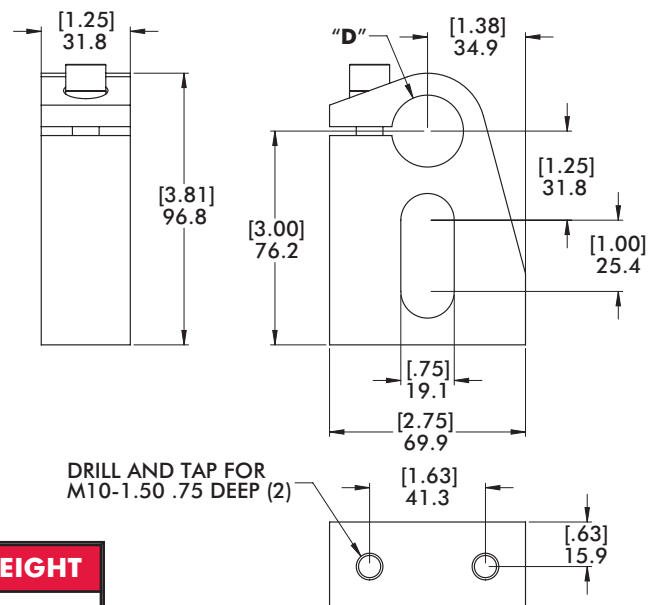
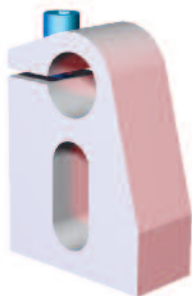


MODEL NUMBER	WEIGHT
CPI-ATI-201-250-90-10S	2.17 kg [4.77 lb]

Automation Adaptors CPI-NAV-xx-xx



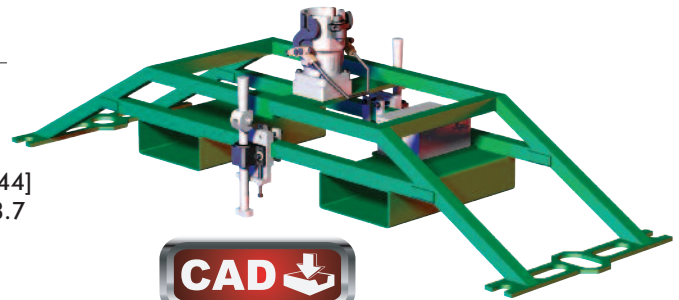
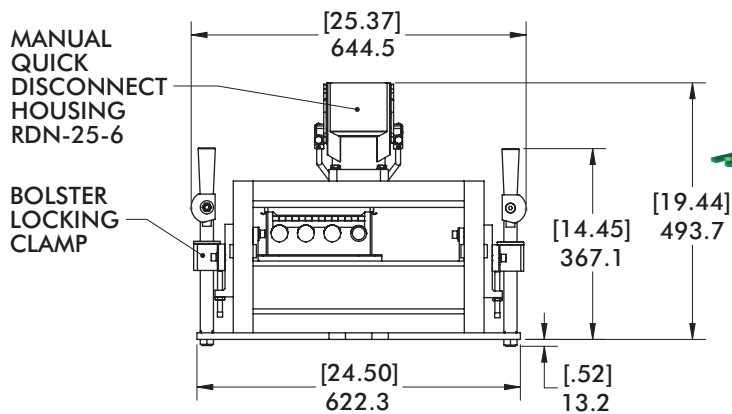
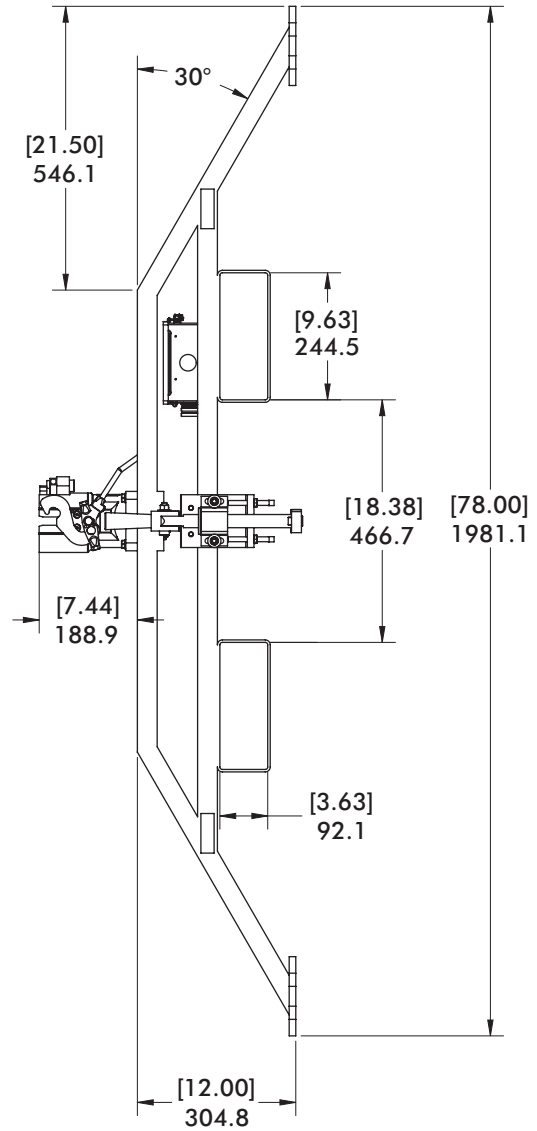
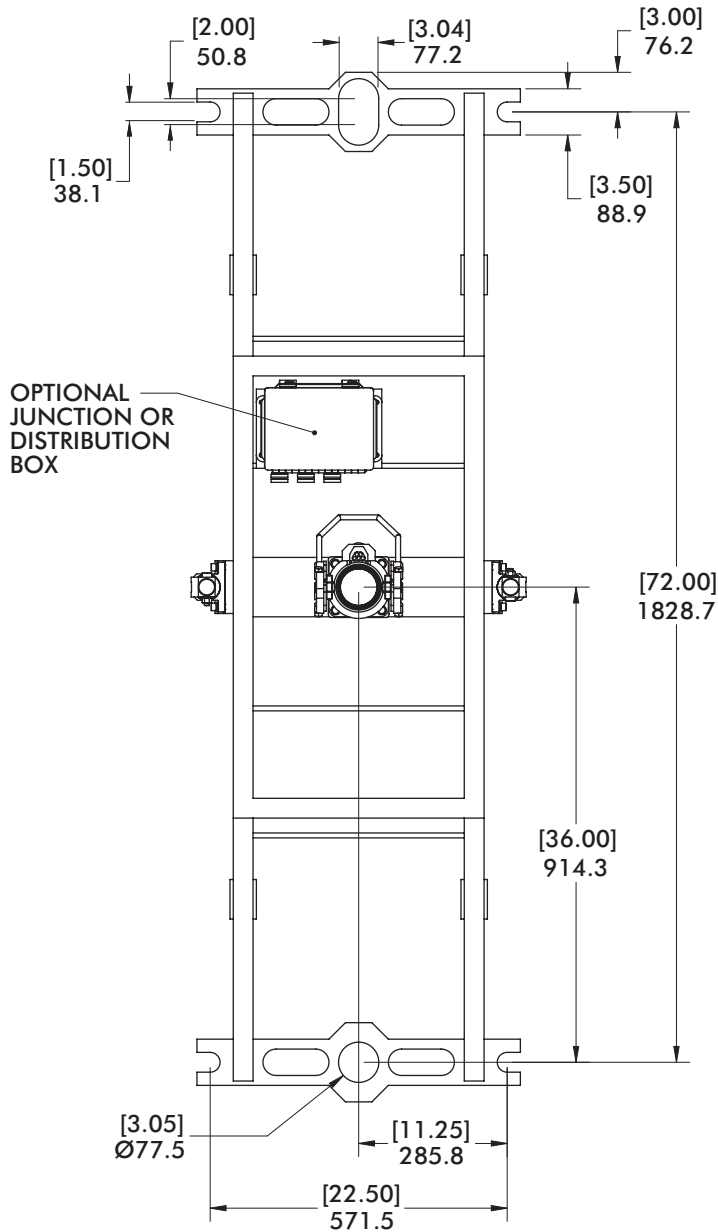
MODEL NUMBER	(Ø) "D"	(Ø) ACTUAL	WEIGHT
CPI-NAV-25-CM	25mm	25.25 ^{±.08} [0.994 ^{±.003}]	[2.60 lb]
CPI-NAV-100-CM	1.00"(in)	25.65 ^{±.08} [1.010 ^{±.003}]	1.18 kg



DRILL AND TAP FOR M10-1.50 .75 DEEP (2)

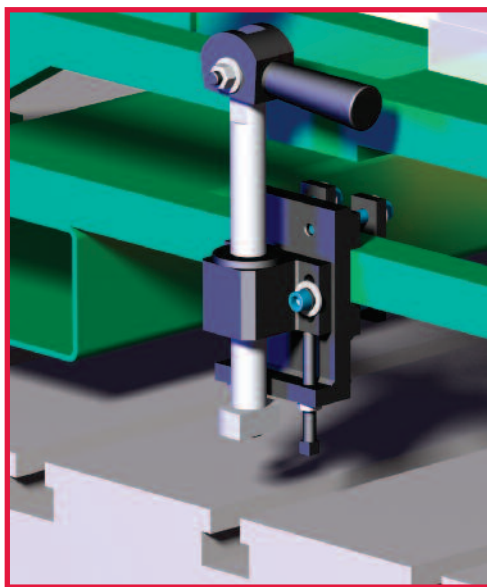
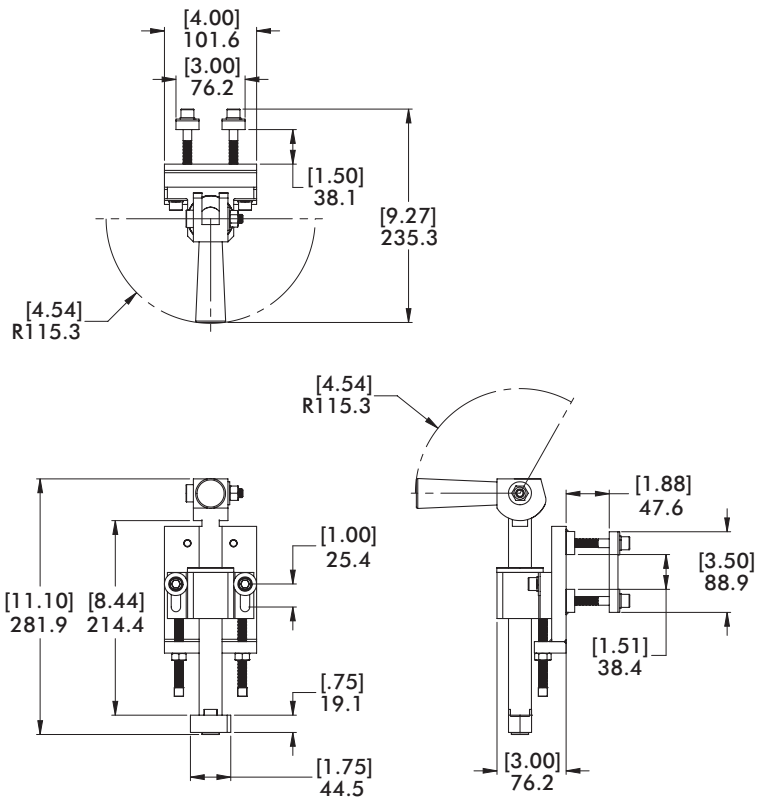
MODEL NUMBER	(Ø) "D"	(Ø) ACTUAL	WEIGHT
CPI-NAV-25-BL	25mm	25.25 ^{±.08} [0.994 ^{±.003}]	[.89 lb]
CPI-NAV-100-BL	1.00"(in)	25.65 ^{±.08} [1.010 ^{±.003}]	.40 kg

Automation Adaptors CPI-PNS-ASSY Press Nest Stand

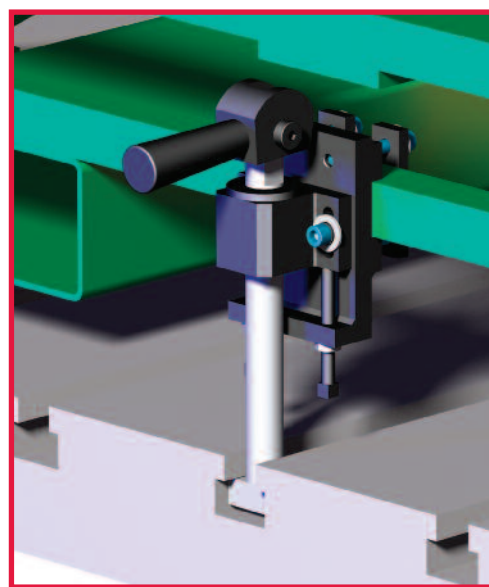


MODEL NUMBER	WEIGHT
CPI-PNS-ASSY	85.41 kg [188.30 lb]

Automation Adaptors
BLC-Bolster Locking Clamo



Stored Position

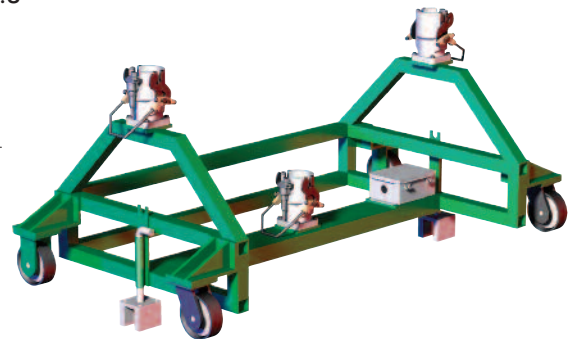
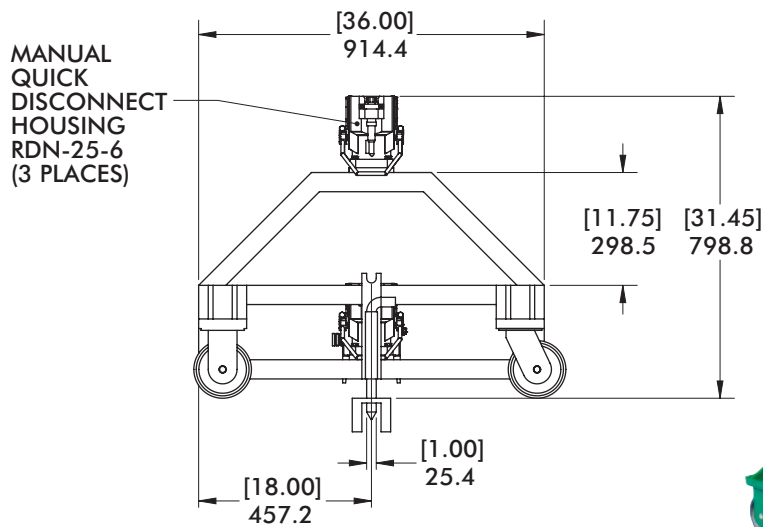
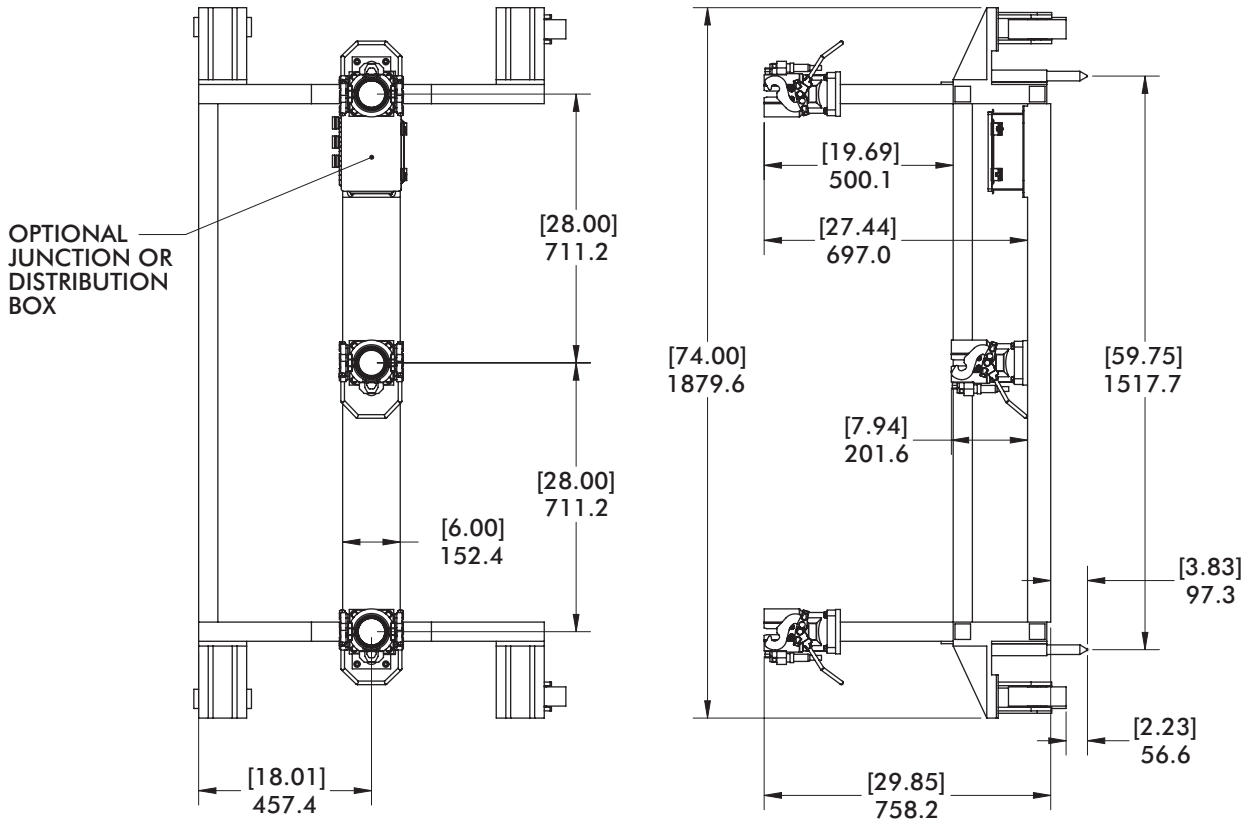


In Use, Locked into Bolster

MODEL NUMBER	WEIGHT
CPI-BLC-100-15-6	5.50 kg [12.12 lb]

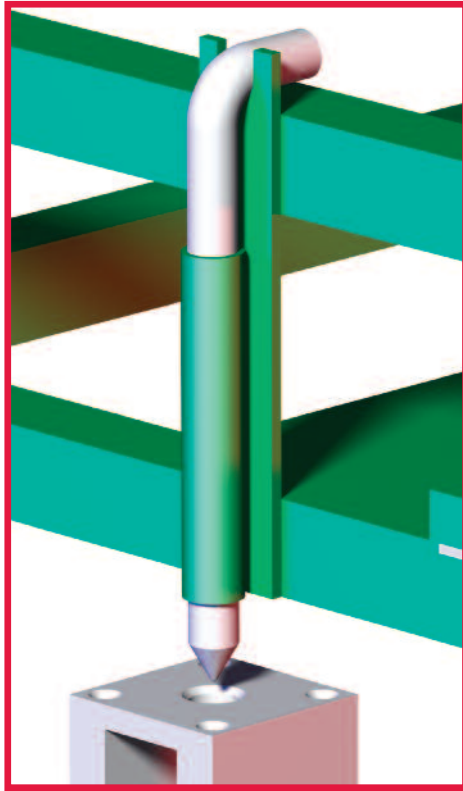


Automation Adaptors CPI-INS-ASSY Idle Nest Stand

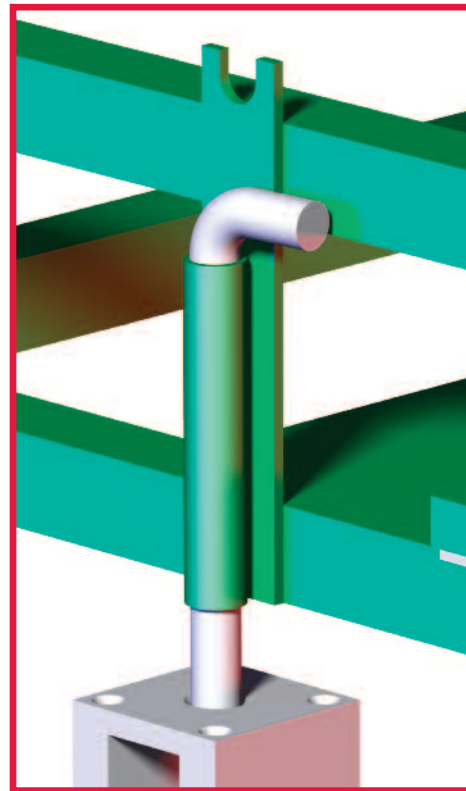


MODEL NUMBER	WEIGHT
CPI-INS-ASSY	182.67 kg [402.73 lb]

Automation Adaptors
CPI-INS-ASSY Locking Pin



Stored Position



Engaged Position



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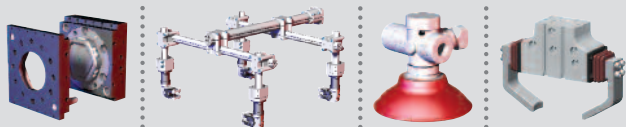
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