

SWIVEL ARMS

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size

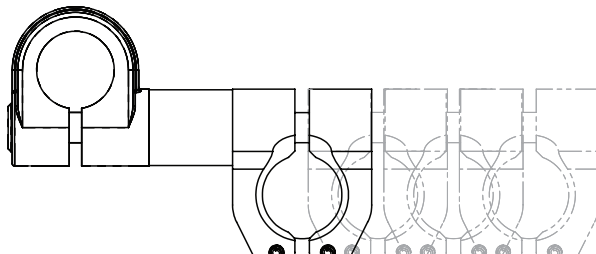
Round Tooling | Features and Benefits

AC-SA Series Accessory Mount Swivel Arms



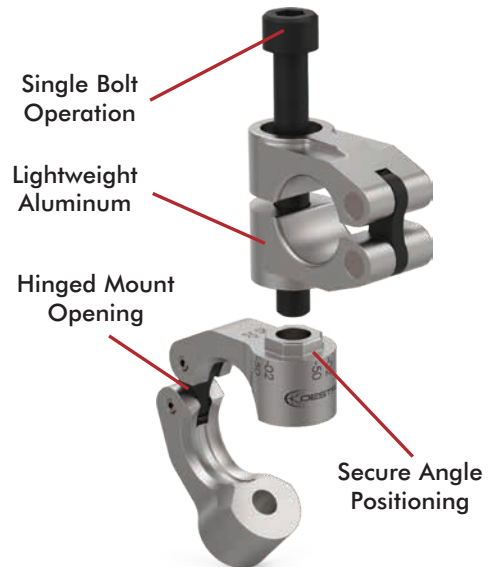
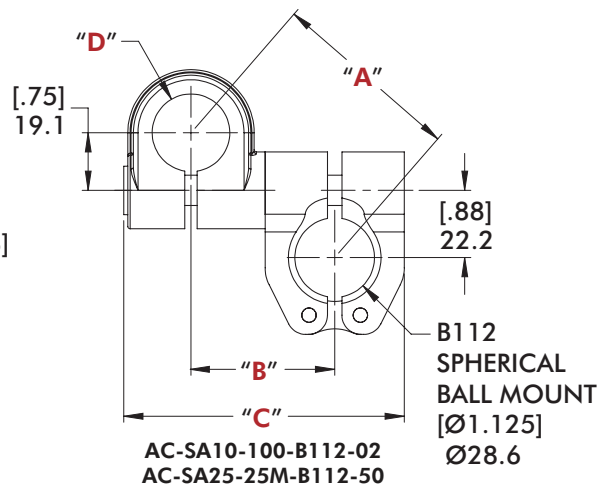
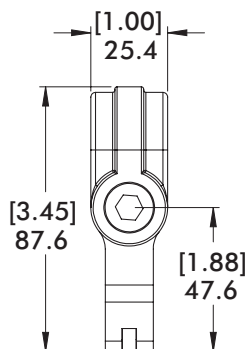
Features:

- Fixed adjustment every 90 degrees
- Mounts to a 1 inch or 25mm tube
- Clamps to a Ø28.6mm [1.125"] (B112) Spherical Ball



AC-SA10-100-B112-03
AC-SA25-25M-B112-75
AC-SA10-100-B112-04
AC-SA25-25M-B112-100

AC-SA10-100-B112-06
AC-SA25-25M-B112-150
AC-SA10-100-B112-05
AC-SA25-25M-B112-125



AC-SA10-100-B112-02
AC-SA25-25M-B112-50



0 degree



90 degree



180 degree



270 degree

Specifications:

Maximum Clamp Load:
111 ft-lb [150 Nm]

Material:
Aluminum

Model Number	"A"	"B"	"C"	(Ø)"D"	Weight
AC-SA10-100-B112-02	[2.48]	[1.87]	[3.65]	1.00"(in)	[0.53 lb]
AC-SA25-25M-B112-50	63	47.5	92.8	25mm	0.24kg
AC-SA10-100-B112-03	[3.37]	[2.95]	[4.74]	1.00"(in)	[0.64 lb]
AC-SA25-25M-B112-75	85.6	75.0	120.3	25mm	0.29kg
AC-SA10-100-B112-04	[4.26]	[3.94]	[5.72]	1.00"(in)	[0.73 lb]
AC-SA25-25M-B112-100	108.2	100.0	145.3	25mm	0.33kg
AC-SA10-100-B112-05	[5.18]	[4.92]	[6.70]	1.00"(in)	[0.82 lb]
AC-SA25-25M-B112-125	131.6	125.0	170.3	25mm	0.37 kg
AC-SA10-100-B112-06	[6.12]	[5.90]	[7.69]	1.00"(in)	[0.93 lb]
AC-SA25-25M-B112-150	155.4	150.0	195.5	25mm	0.42kg

MICRO TOOLING SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

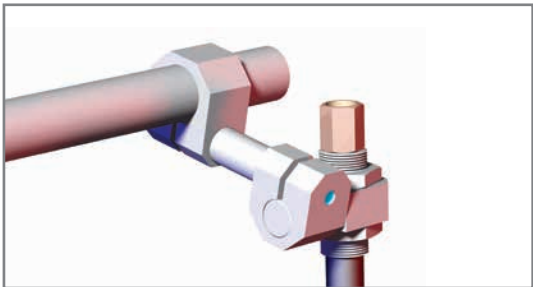
Nominal (Ø) given
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for actual (Ø) size

Features:

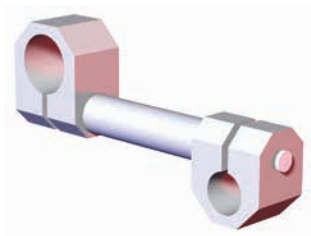
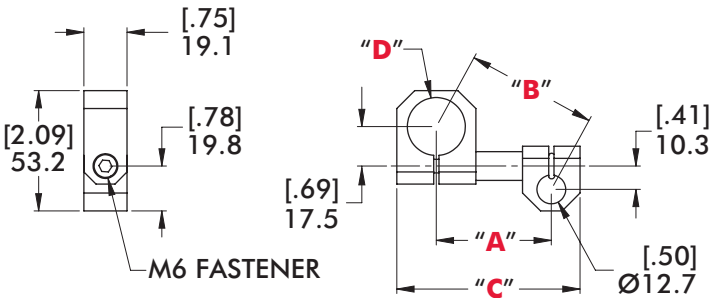
- Mounts micro apple core accessories to Ø20mm/.75" Round tube.
- Provides 360° of rotational adjustments along (3) axes.
- Used to mount venturi, bumpers, round locators, and proximity switches.

Specifications:

Maximum Clamp Load:
120 ft-lb [163 Nm]
Material:
Body and Spacer:
Machined Aluminum



MSA Ø20mm/.75" for Ø12.7mm [.50"] Apple Core (Micro)



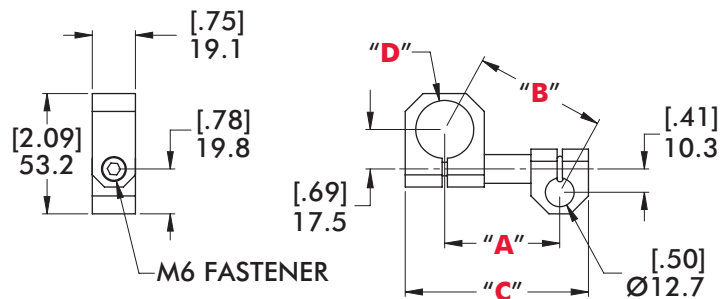
Model Number	(Ø)"D"	"A"	"B"	"C"	Weight
CPI-200-7550-MSA	.75"(in)	[2.00]	[2.28]	[3.19]	[0.16 lb]
CPI-200-20M50-MSA	20mm	50.8	57.9	81.0	0.07kg
CPI-300-7550-MSA	.75"(in)	[3.00]	[3.19]	[4.19]	[0.19 lb]
CPI-300-20M50-MSA	20mm	76.2	81.1	106.4	0.08kg
CPI-400-7550-MSA	.75"(in)	[4.00]	[4.15]	[5.19]	[0.21 lb]
CPI-400-20M50-MSA	20mm	101.7	105.4	131.9	0.09kg
CPI-500-7550-MSA	.75"(in)	[5.00]	[5.12]	[6.19]	[0.23 lb]
CPI-500-20M50-MSA	20mm	127.1	130.1	157.3	0.11kg
CPI-600-7550-MSA	.75"(in)	[6.00]	[6.10]	[7.19]	[0.26 lb]
CPI-600-20M50-MSA	20mm	152.5	155.0	182.7	0.12kg

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A 3D CAD model of a mechanical assembly. It features a red cylindrical component on the left, connected to a silver-colored connecting rod. The rod is attached to a red cross-shaped bracket or lever arm on the right. The assembly is shown in a perspective view.

Machined Aluminum

A 3D CAD model of a bolt and nut assembly. The bolt is a long, cylindrical metal fastener with a hexagonal head on the left and a hexagonal nut on the right. The nut is threaded onto the bolt. The model is rendered in a light blue color with a metallic texture.



Model Number	(Ø) "D"	"A"	"B"	"C"	Weight
CPI-200-1050-MSA	1.00"(in)	[2.00]	[2.23]	[3.06]	[0.18 lb]
CPI-200-25M50-MSA	25mm	50.7	56.6	77.7	0.08kg
CPI-300-1050-MSA	1.00"(in)	[3.00]	[3.16]	[4.11]	[0.21 lb]
CPI-300-25M50-MSA	25mm	76.1	80.2	104.4	0.09kg
CPI-400-1050-MSA	1.00"(in)	[4.00]	[4.12]	[5.08]	[0.23 lb]
CPI-400-25M50-MSA	25mm	101.6	104.7	129.0	0.10kg
CPI-500-1050-MSA	1.00"(in)	[5.00]	[5.10]	[6.14]	[0.25 lb]
CPI-500-25M50-MSA	25mm	127.0	129.5	156.0	0.11kg
CPI-600-1050-MSA	1.00"(in)	[6.00]	[6.08]	[7.09]	[0.27 lb]
CPI-600-25M50-MSA	25mm	152.4	154.4	180.0	0.13kg

STANDARD SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size



- Features:
- Mounts apple core accessories to Ø25mm/1.00" round tube
 - Provides 360° of rotational adjustments along (3) axes
 - Used to mount venturi, bumpers, round locators, and proximity switches

Specifications:

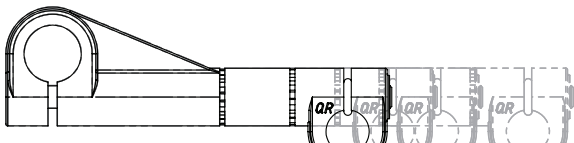
Maximum Clamp Load:
200 ft-lb [271 Nm]

Material:

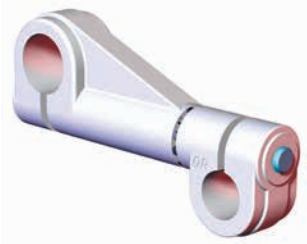
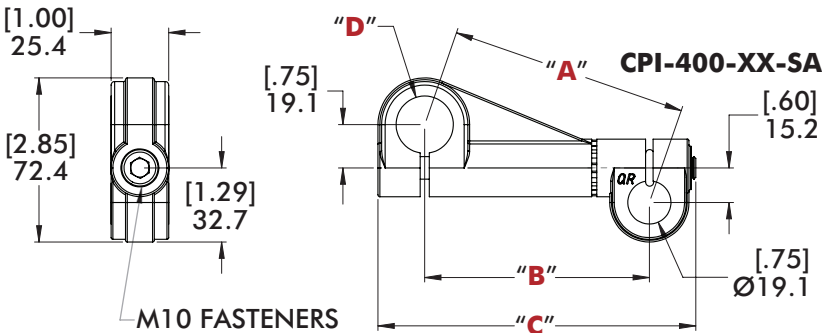
Body:
Cast Aluminum

Spacer:
Machined Aluminum

SA Ø25mm/1.00" for Ø19.1mm [.75"] Apple Core



CPI-500-XX-SA
CPI-600-XX-SA
CPI-700-XX-SA
CPI-800-XX-SA



Model Number	(Ø)"D"	"A"	"B"	"C"	Weight	FINISH
CPI-400-1-SA	1.00"(in)	[4.13]	[3.90]	[5.52]	[0.70 lb]	SILVER
CPI-100-25-SA	25mm	104.9	99.1	140.2	0.31 kg	BLUE
CPI-500-1-SA	1.00"(in)	[5.30]	[5.12]	[6.70]	[0.82 lb]	SILVER
CPI-140-25-SA	25mm	134.5	130.1	170.2	0.37 kg	BLUE
CPI-600-1-SA	1.00"(in)	[6.05]	[5.90]	[7.49]	[0.90 lb]	SILVER
CPI-160-25-SA	25mm	153.8	149.9	190.2	0.41 kg	BLUE
CPI-700-1-SA	1.00"(in)	[6.81]	[6.67]	[8.27]	[0.97 lb]	SILVER
CPI-180-25-SA	25mm	172.9	169.4	210.2	0.44 kg	BLUE
CPI-800-1-SA	1.00"(in)	[8.36]	[8.25]	[9.85]	[1.13 lb]	SILVER
CPI-200-25-SA	25mm	212.4	209.6	250.2	0.51 kg	BLUE

Nominal (Ø) given
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for actual (Ø) size

STANDARD SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Features:

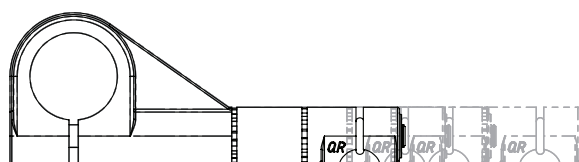
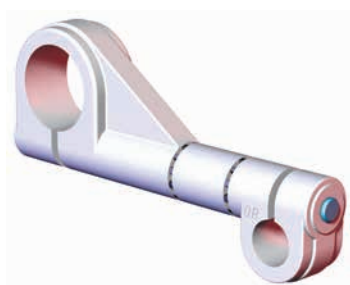
- Mounts apple core accessories to Ø40mm/1.50" round tube
- Provides 360° of rotational adjustments along (3) axes
- Used to mount venturi, bumpers, round locators, and proximity switches

Specifications:

Maximum Clamp Load:
200 ft-lb [271 Nm]
Material:
Body:
Cast Aluminum
Spacer:
Machined Aluminum



SA Ø40mm/1.50" for Ø19.1mm [.75"] Apple Core

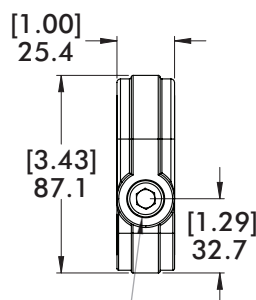


CPI-500-XX-SA

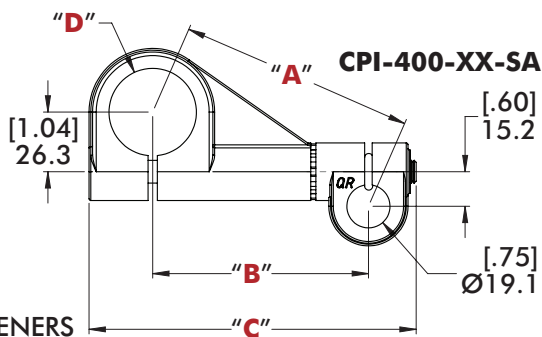
CPI-800-XX-SA

CPI-600-XX-SA

CPI-700-XX-SA



M10 FASTENERS

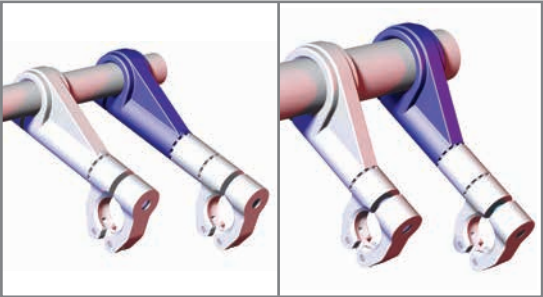


Model Number	(Ø)"D"	"A"	"B"	"C"	Weight	FINISH
CPI-400-15-SA	1.50"(in)	[4.09]	[3.75]	[5.68]	[0.78 lb]	SILVER
CPI-100-40-SA	40mm	103.8	95.2	144.3	0.35 kg	BLUE
CPI-500-15-SA	1.50"(in)	[5.23]	[4.97]	[6.86]	[0.89 lb]	SILVER
CPI-140-40-SA	40mm	132.8	126.1	174.3	0.41 kg	BLUE
CPI-600-15-SA	1.50"(in)	[5.97]	[5.75]	[7.65]	[0.97 lb]	SILVER
CPI-160-40-SA	40mm	151.8	146.0	194.3	0.44 kg	BLUE
CPI-700-15-SA	1.50"(in)	[6.72]	[6.52]	[8.44]	[1.05 lb]	SILVER
CPI-180-40-SA-SA	40mm	170.7	165.5	214.3	0.54 kg	BLUE
CPI-800-15-SA	1.50"(in)	[8.26]	[8.10]	[10.01]	[1.20 lb]	SILVER
CPI-200-40-SA	40mm	209.8	205.6	2.54	0.55 kg	BLUE

STANDARD SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size



- Features:
- Mounts swivel ball accessories to round tube
 - Provides 360° of rotational adjustments along (3) axes
 - Used to mount venturi, bumpers, round locators, and proximity switches

Specifications:

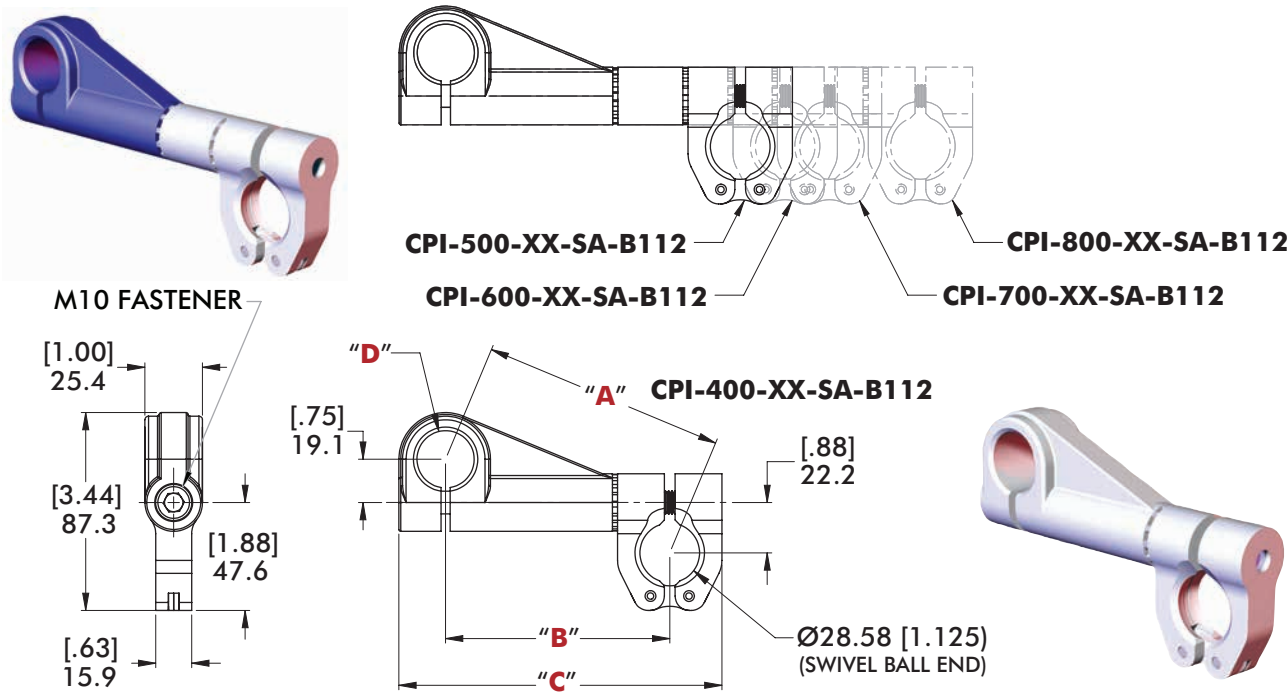
Maximum Clamp Load:
200 ft-lb [271 Nm]

Material:

Body:
Cast Aluminum

Spacer:
Machined Aluminum

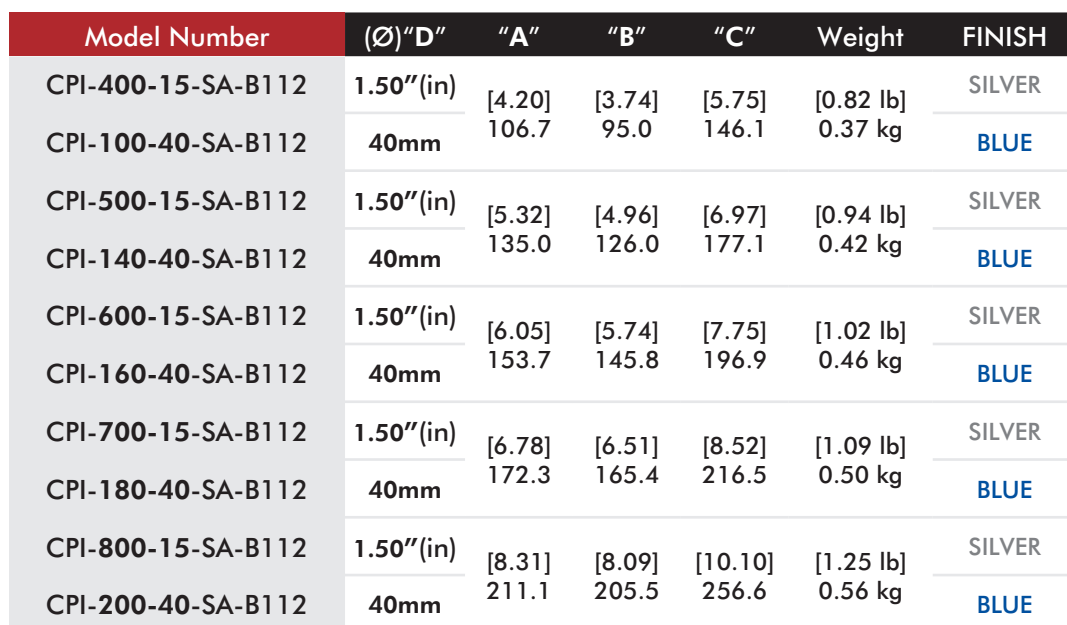
SA-B112 Ø25mm/1.00" for Ø28.6mm [1.125"] Spherical Swivel Ball



Model Number	(Ø) "D"	"A"	"B"	"C"	Weight	FINISH
CPI-400-1-SA-B112	1.00"(in)	[4.22]	[3.90]	[5.61]	[0.74 lb]	SILVER
CPI-100-25-SA-B112	25mm	107.2	98.9	142.6	0.34 kg	BLUE
CPI-500-1-SA-B112	1.00"(in)	[5.37]	[5.12]	[6.83]	[0.86 lb]	SILVER
CPI-140-25-SA-B112	25mm	136.3	129.9	173.5	0.39 kg	BLUE
CPI-600-1-SA-B112	1.00"(in)	[6.12]	[5.90]	[7.61]	[0.94 lb]	SILVER
CPI-160-25-SA-B112	25mm	155.3	149.7	193.4	0.43 kg	BLUE
CPI-700-1-SA-B112	1.00"(in)	[6.86]	[6.67]	[8.38]	[1.02 lb]	SILVER
CPI-180-25-SA-B112	25mm	174.3	169.3	212.9	0.46 kg	BLUE
CPI-800-1-SA-B112	1.00"(in)	[8.40]	[8.25]	[9.96]	[1.17 lb]	SILVER
CPI-200-25-SA-B112	25mm	213.5	209.4	253.0	0.53 kg	BLUE

STANDARD SWIVEL ARMS

SA-B112 Ø40mm/1.50" for Ø28.6mm [1.125"] Spherical Swivel Ball



STANDARD SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size



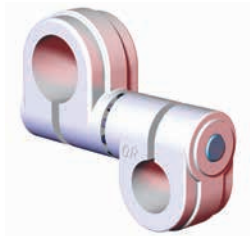
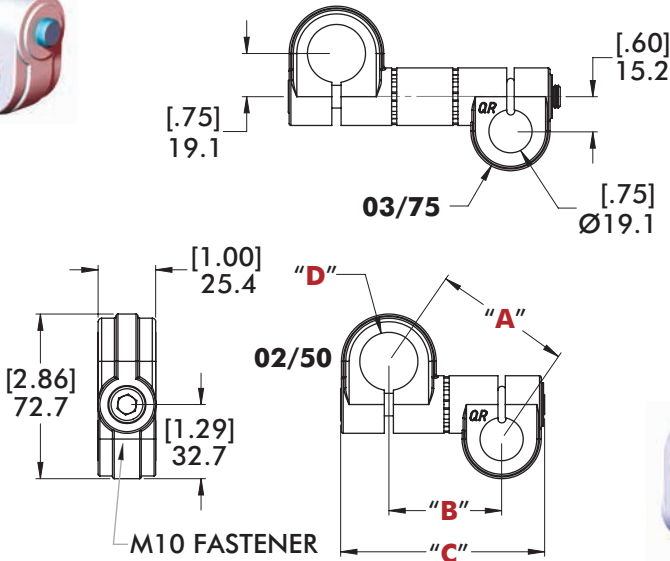
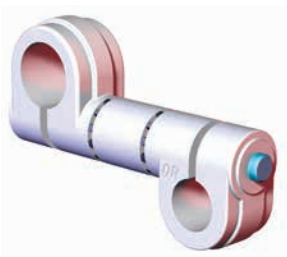
- Features:
- Mounts apple core accessories to Ø25mm/1.00" round tube
 - Provides 360° of rotational adjustments along (3) axes
 - Used to mount venturi, bumpers, round locators, and proximity switches

Specifications:

Maximum Clamp Load:
200 ft-lb [271 Nm]

Material:
Body:
Cast Aluminum
Spacer:
Machined Aluminum

S^{Axx} Single-Bolt Ø25mm/1.00" for Ø19.1mm [.75"] Apple Core



Model Number	(Ø)"D"	"A"	"B"	"C"	Weight	FINISH
CPI-SA10-100-075-02	1.00"(in)	[2.38]	[1.96]	[3.54]	[0.46 lb]	SILVER
CPI-SA25-25-19-50	25mm	60.4	49.8	90.0	0.21 kg	BLUE
CPI-SA10-100-075-03	1.00"(in)	[3.31]	[3.02]	[4.72]	[0.57 lb]	SILVER
CPI-SA25-25-19-75	25mm	84.1	76.8	120.0	0.26 kg	BLUE

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size

STANDARD SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications



Features:

- Mounts apple core accessories to Ø40mm/1.50" round tube
- Provides 360° of rotational adjustments along (3) axes
- Used to mount venturi, bumpers, round locators, and proximity switches

Specifications:

Maximum Clamp Load:
200 ft-lb [271 Nm]

Material:

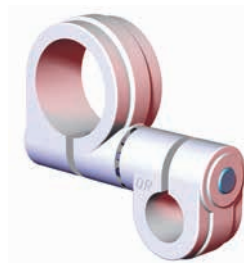
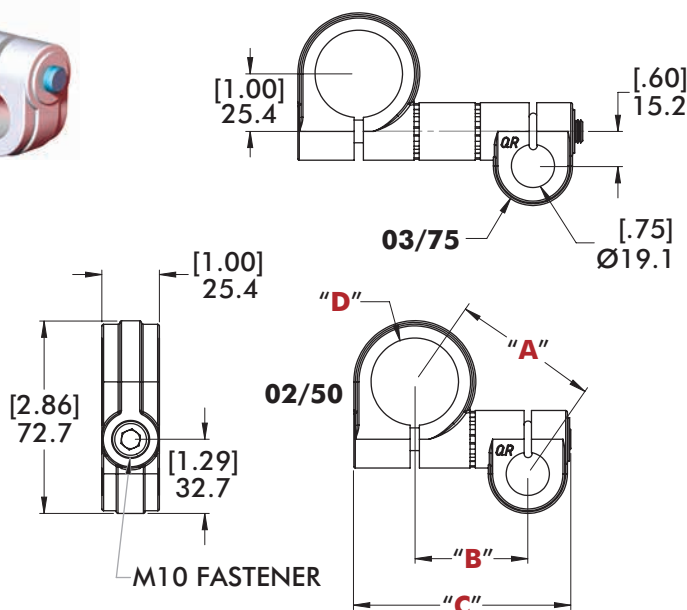
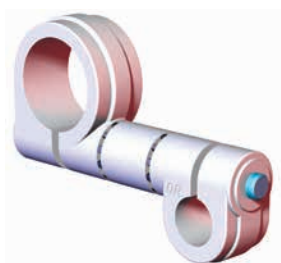
Body:

Cast Aluminum

Spacer:

Machined Aluminum

SAxx Single-Bolt Ø40mm/1.50" for Ø19.1mm [.75"] Apple Core



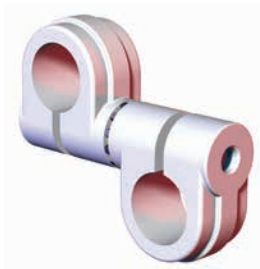
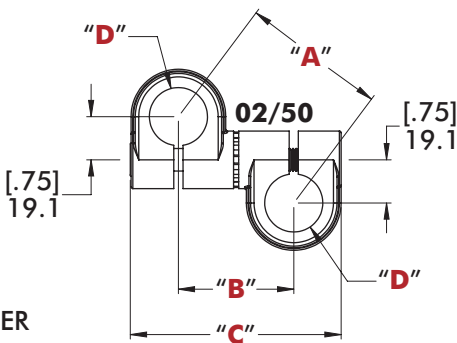
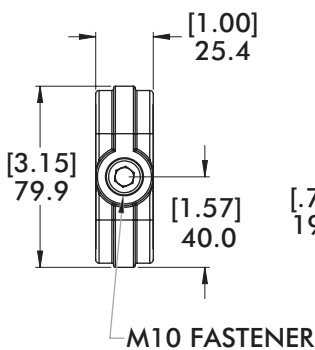
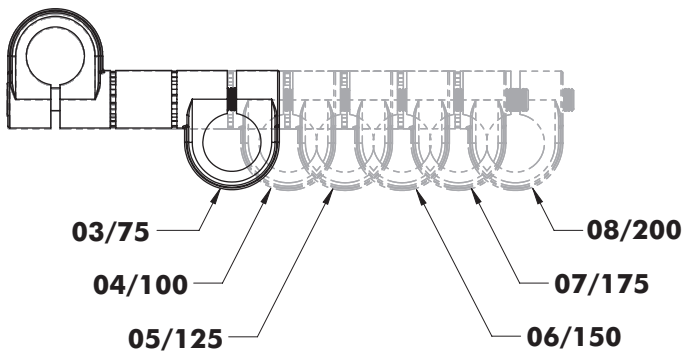
Model Number	(Ø) "D"	"A"	"B"	"C"	Weight	FINISH
CPI-SA10-150-075-02	1.50"(in)	[2.53]	[1.96]	[3.77]	[0.50 lb]	SILVER
CPI-SA25-40-19-50	40mm	64.3	49.8	95.9	0.23 kg	BLUE
CPI-SA10-150-075-03	1.50"(in)	[3.42]	[3.03]	[4.95]	[0.62 lb]	SILVER
CPI-SA25-40-19-75	40mm	87.0	76.9	125.9	0.28 kg	BLUE

TRANSITION SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Nominal (Ø) given
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SAxx Single-Bolt Ø25mm/1.00" to 25mm/Ø1.00"



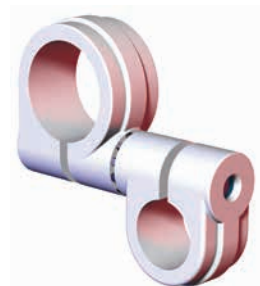
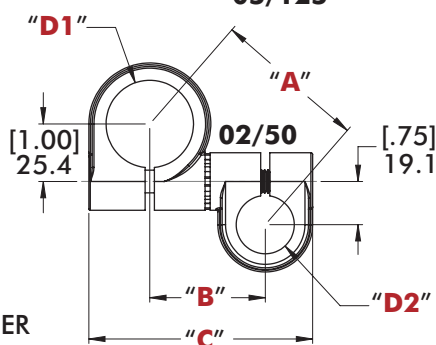
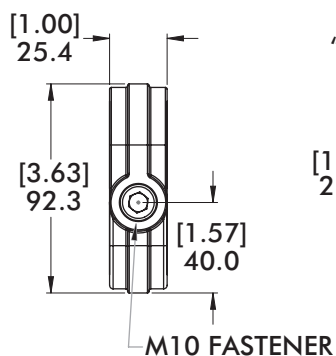
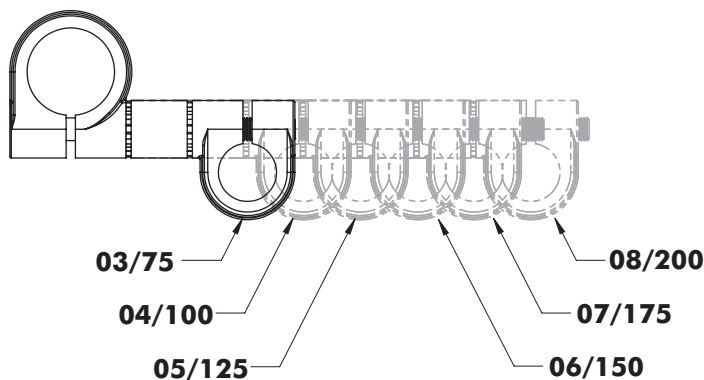
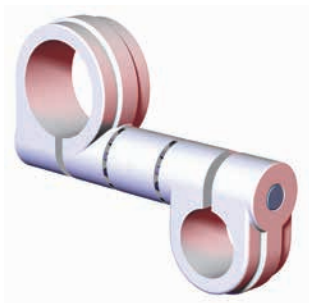
Model Number	(Ø)"D"	"A"	"B"	"C"	Weight	FINISH
CPI-SA10-100-100-02	1.00"(in)	[2.50]	[2.00]	[3.66]	[0.49 lb]	SILVER
CPI-SA25-25-25-50	25mm	63.6	50.9	93.1	0.22 kg	BLUE
CPI-SA10-100-100-03	1.00"(in)	[3.42]	[3.07]	[4.73]	[0.60 lb]	SILVER
CPI-SA25-25-25-75	25mm	86.7	77.9	120.1	0.27 kg	BLUE
CPI-SA10-100-100-04	1.00"(in)	[4.31]	[4.04]	[5.70]	[0.69 lb]	SILVER
CPI-SA25-25-25-100	25mm	109.6	102.7	144.9	0.31 kg	BLUE
CPI-SA10-100-100-05	1.00"(in)	[5.25]	[5.03]	[6.69]	[0.79 lb]	SILVER
CPI-SA25-25-25-125	25mm	133.4	127.9	170.0	0.36 kg	BLUE
CPI-SA10-100-100-06	1.00"(in)	[6.21]	[6.02]	[7.68]	[0.88 lb]	SILVER
CPI-SA25-25-25-150	25mm	157.7	153.0	195.2	0.40 kg	BLUE
CPI-SA10-100-100-07	1.00"(in)	[7.16]	[7.00]	[9.06]	[1.00 lb]	SILVER
CPI-SA25-25-25-175	25mm	181.9	177.9	230.0	0.45 kg	BLUE
CPI-SA10-100-100-08	1.00"(in)	[8.13]	[7.99]	[9.84]	[1.09 lb]	SILVER
CPI-SA25-25-25-200	25mm	206.6	203.0	250.0	0.50 kg	BLUE

Nominal (Ø) given
See chart on Page 72
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TRANSITION SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

SAxx Single-Bolt Ø40mm/1.50" to Ø25mm/1.00"



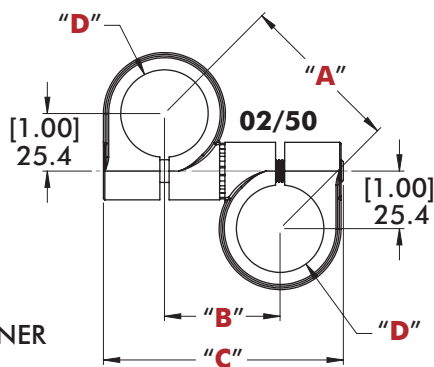
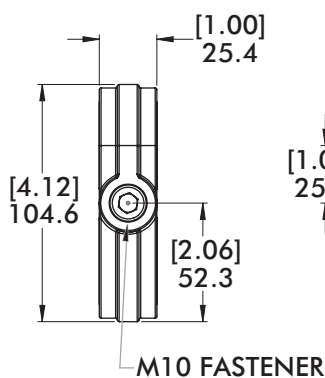
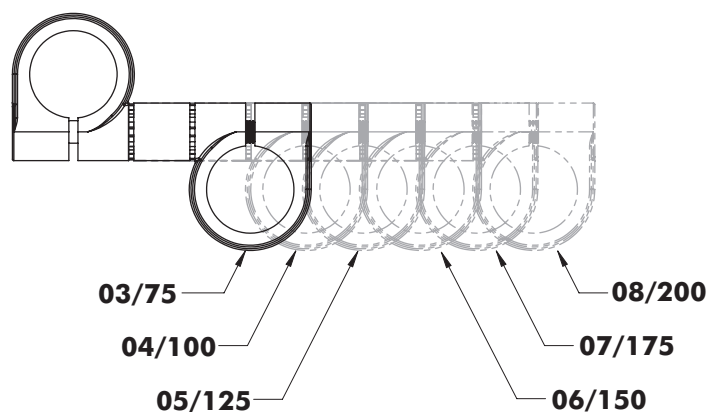
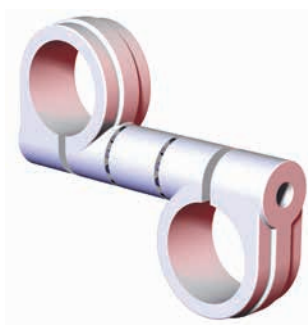
Model Number	(Ø)"D1"	(Ø)"D2"	"A"	"B"	"C"	Weight	FINISH
CPI-SA10-150-100-02	1.50"(in)	1.00"(in)	[2.66]	[2.01]	[3.89]	[0.53 lb]	SILVER
CPI-SA25-40-25-50	40mm	25mm	67.6	51.0	98.8	0.24 kg	BLUE
CPI-SA10-150-100-03	1.50"(in)	1.00"(in)	[3.53]	[3.07]	[4.95]	[0.64 lb]	SILVER
CPI-SA25-40-25-75	40mm	25mm	89.8	78.0	125.7	0.29 kg	BLUE
CPI-SA10-150-100-04	1.50"(in)	1.00"(in)	[4.41]	[4.05]	[5.93]	[0.73 lb]	SILVER
CPI-SA25-40-25-100	40mm	25mm	112.0	102.8	150.6	0.33 kg	BLUE
CPI-SA10-150-100-05	1.50"(in)	1.00"(in)	[5.33]	[5.04]	[6.92]	[0.83 lb]	SILVER
CPI-SA25-40-25-125	40mm	25mm	135.4	127.9	175.8	0.38 kg	BLUE
CPI-SA10-150-100-06	1.50"(in)	1.00"(in)	[6.28]	[6.03]	[7.91]	[0.93 lb]	SILVER
CPI-SA25-40-25-150	40mm	25mm	159.4	153.1	200.9	0.42 kg	BLUE
CPI-SA10-150-100-07	1.50"(in)	1.00"(in)	[7.22]	[7.01]	[8.89]	[1.04 lb]	SILVER
CPI-SA25-40-25-175	40mm	25mm	183.4	178.0	225.8	0.47 kg	BLUE
CPI-SA10-150-100-08	1.50"(in)	1.00"(in)	[8.19]	[8.00]	[9.88]	[1.13 lb]	SILVER
CPI-SA25-40-25-200	40mm	25mm	207.9	203.1	251.0	0.51 kg	BLUE

TRANSITION SWIVEL ARMS

Round Tooling | Dimensions | Technical Specifications

Nominal (Ø) given
See chart on Page 72
for actual (Ø) size

SAxx Single-Bolt Ø40mm/1.50" to Ø40mm/1.50"



Model Number	(Ø)"D"	"A"	"B"	"C"	Weight	FINISH
CPI-SA10-150-150-02	1.50"(in)	[2.84]	[2.01]	[4.17]	[0.59 lb]	SILVER
CPI-SA25-40-40-50	40mm	72.0	51.1	105.9	0.27 kg	BLUE
CPI-SA10-150-150-03	1.50"(in)	[3.67]	[3.07]	[5.19]	[0.69 lb]	SILVER
CPI-SA25-40-40-75	40mm	93.2	78.1	131.9	0.31 kg	BLUE
CPI-SA10-150-150-04	1.50"(in)	[4.52]	[4.05]	[6.17]	[0.79 lb]	SILVER
CPI-SA25-40-40-100	40mm	114.7	102.9	156.7	0.36 kg	BLUE
CPI-SA10-150-150-05	1.50"(in)	[5.42]	[5.04]	[7.16]	[0.88 lb]	SILVER
CPI-SA25-40-40-125	40mm	137.7	128.0	181.9	0.40 kg	BLUE
CPI-SA10-150-150-06	1.50"(in)	[6.35]	[6.03]	[8.15]	[0.97 lb]	SILVER
CPI-SA25-40-40-150	40mm	161.4	153.2	207.0	0.44 kg	BLUE
CPI-SA10-150-150-07	1.50"(in)	[7.29]	[7.01]	[9.13]	[1.09 lb]	SILVER
CPI-SA25-40-40-175	40mm	185.2	178.1	231.9	0.49 kg	BLUE
CPI-SA10-150-150-08	1.50"(in)	[8.25]	[8.00]	[10.12]	[0.54 lb]	SILVER
CPI-SA25-40-40-200	40mm	209.5	203.2	257.0	1.18 kg	BLUE