

# NEMA 3R, 4, 12, and 13 HMI Enclosures



Front View



Rear View

## Applications

Designed to house Human-Machine Interfaces (HMI) and electrical and electronic controls, instruments and components. Provides protection from dust, oil, and water. For outdoor application a drip shield and drain vent is recommended.

## Construction

- 0.075in carbon steel
- Seams continuously welded and ground smooth
- Reinforced with suspension or pedestal mounting provisions
- Concealed hinge rear access door
- Removable front screw cover for easy installation of cutouts, HMI, and components
- Poured-in-place oil- and water-resistant gasket
- Black 1/4-turn latches
- Operate latches with a screwdriver
- Ground studs on door and body

## Finish

- RAL7035 gray powder coated

## Listings

- NEMA Type 3R, 4, 12, and 13
- cULus Listed Type 3R, 4, and 12 [File E69392]
- CSA Type 3R, 4, and 12
- IEC 60529
- IP66



Note: Compatible with Saginaw Aluminum and Adjustable Suspension Arm Components.

## NEMA 3R, 4, 12, and 13 HMI Enclosures

RAL7035	Price	Size HxWxD	Weight	Max Front Cutout Area	Drawing Link
<b>SCE-12HMI1606LP</b>	\$476.00	12.27 x 16.27 x 7.25 [312 x 413 x 184]	22.30 [10.11]	9.5 x 13.5 [241 x 343]	<a href="#">PDF</a>
<b>SCE-12HMI1610LP</b>	\$505.00	12.27 x 16.27 x 11.25 [312 x 413 x 286]	22.17 [10.05]	9.5 x 13.5 [241 x 343]	<a href="#">PDF</a>
<b>SCE-14HMI1806LP</b>	\$517.00	14.27 x 18.27 x 7.25 [362 x 464 x 184]	38.20 [17.32]	11.5 x 15.5 [292 x 394]	<a href="#">PDF</a>
<b>SCE-14HMI1810LP</b>	\$548.00	14.27 x 18.27 x 11.25 [362 x 464 x 286]	27.00 [12.24]	11.5 x 15.5 [292 x 394]	<a href="#">PDF</a>
<b>SCE-16HMI2006LP</b>	\$561.00	16.27 x 20.27 x 7.25 [413 x 515 x 184]	32.50 [14.74]	13.5 x 17.5 [343 x 445]	<a href="#">PDF</a>
<b>SCE-16HMI2010LP</b>	\$592.00	16.27 x 20.27 x 11.25 [413 x 515 x 286]	30.50 [13.83]	13.5 x 17.5 [343 x 445]	<a href="#">PDF</a>
<b>SCE-20HMI2406LP</b>	\$613.00	20.27 x 24.27 x 7.25 [515 x 616 x 184]	42.80 [19.41]	17.5 x 21.5 [445 x 546]	<a href="#">PDF</a>
<b>SCE-20HMI2410LP</b>	\$661.00	20.27 x 24.27 x 11.25 [515 x 616 x 286]	50.40 [22.86]	17.5 x 21.5 [445 x 546]	<a href="#">PDF</a>

Note: Dimensions in inches [millimeters].  
Weight in pounds [kilograms]

# NEMA 3R, 4, 4X, 12, and 13 HMI Enclosures



## Applications

Designed to house Human-Machine Interfaces (HMI) and electrical and electronic controls, instruments and components. Provides protection from dust, oil, and water. For outdoor application a drip shield and drain vent is recommended.

## Construction

- 0.075in 304 stainless steel
- Seams continuously welded and ground smooth
- Reinforced with suspension or pedestal mounting provisions
- Concealed hinge rear access door
- Removable front screw cover for easy installation of cutouts, HMI, and components
- Poured-in-place oil- and water-resistant gasket
- Black 1/4-turn latches
- Operate latches with a screwdriver
- Ground studs on door and body
- Rear access door easily removed via pull out hinge pins

## Finish

- #4 brushed stainless steel
- Optional sub-panels powder coated white

## Listings

- NEMA Type 3R, 4, 4X, 12, and 13
- cULus Listed Type 3R, 4, 4X, and 12 [File E69392]
- CSA Type 3R, 4, 4X, and 12
- IEC 60529
- IP66

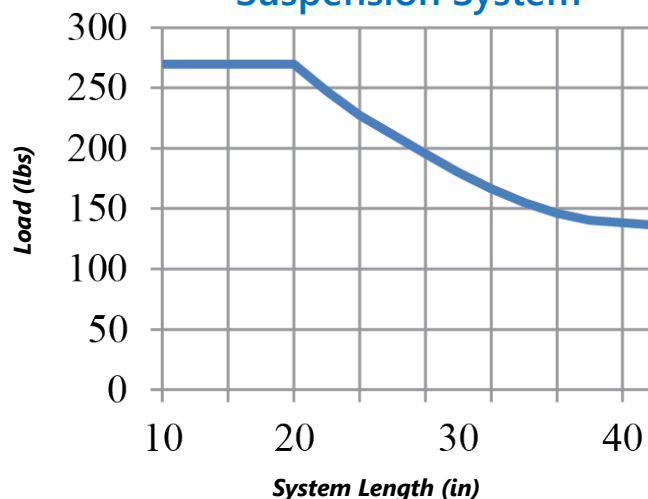


Front View



Rear View

## Suspension System



SCE-SAS

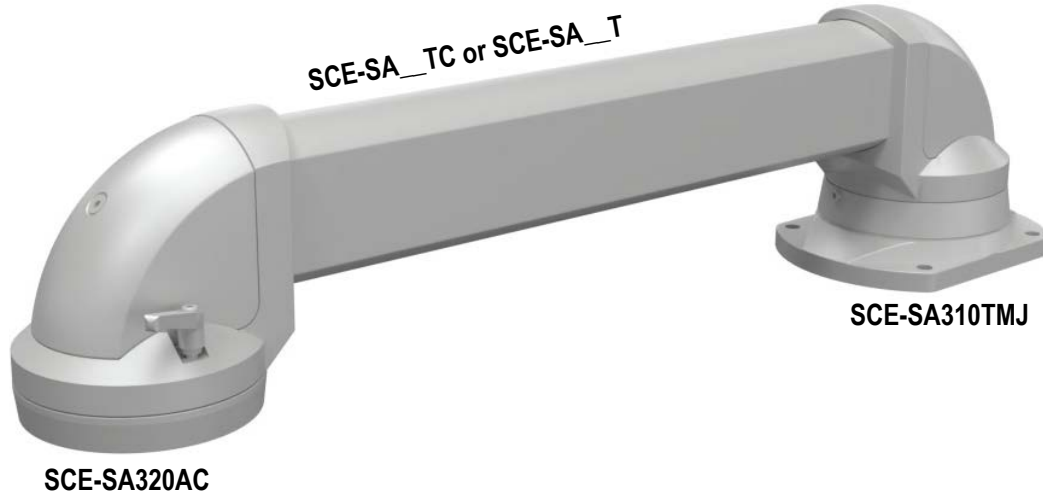
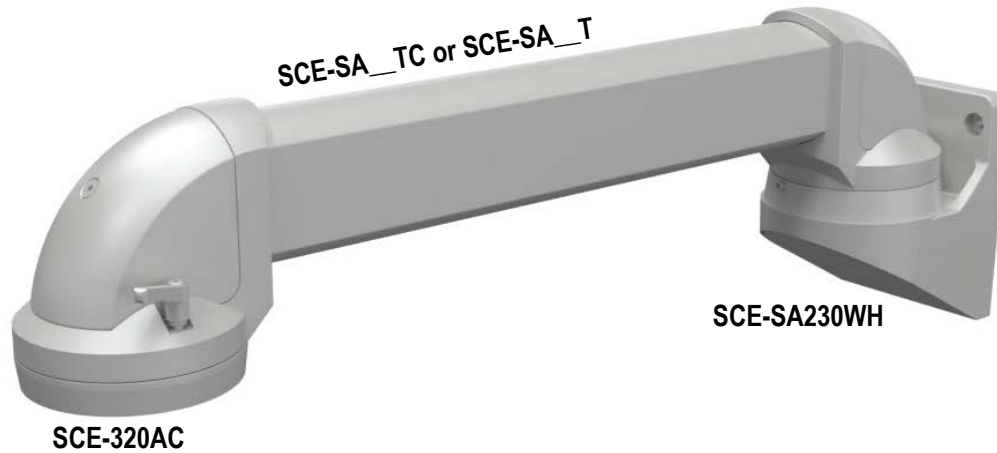
Note: Compatible with Saginaw Stainless Steel and Adjustable Suspension Arm Components.

## NEMA 3R, 4, 4X, 12, and 13 HMI Enclosures

Stainless	Price	Size HxWxD	Weight	Max Front Cutout Area	Drawing Link
<b>SCE-12HMI1606SSLP</b>	\$904.00	12.27 x 16.27 x 7.25 [312 x 413 x 184]	22.30 [10.11]	9.5 x 13.5 [241 x 343]	<a href="#">PDF</a>
<b>SCE-12HMI1610SSLP</b>	\$979.00	12.27 x 16.27 x 11.25 [312 x 413 x 286]	22.17 [10.05]	9.5 x 13.5 [241 x 343]	<a href="#">PDF</a>
<b>SCE-14HMI1806SSLP</b>	\$1,005.00	14.27 x 18.27 x 7.25 [362 x 464 x 184]	38.20 [17.32]	11.5 x 15.5 [292 x 394]	<a href="#">PDF</a>
<b>SCE-14HMI1810SSLP</b>	\$1,064.00	14.27 x 18.27 x 11.25 [362 x 464 x 286]	27.00 [12.24]	11.5 x 15.5 [292 x 394]	<a href="#">PDF</a>
<b>SCE-16HMI2006SSLP</b>	\$1,079.00	16.27 x 20.27 x 7.25 [413 x 515 x 184]	32.50 [14.74]	13.5 x 17.5 [343 x 445]	<a href="#">PDF</a>
<b>SCE-16HMI2010SSLP</b>	\$1,186.00	16.27 x 20.27 x 11.25 [413 x 515 x 286]	30.50 [13.83]	13.5 x 17.5 [343 x 445]	<a href="#">PDF</a>
<b>SCE-20HMI2406SSLP</b>	\$1,264.00	20.27 x 24.27 x 7.25 [515 x 616 x 184]	42.80 [19.41]	17.5 x 21.5 [445 x 546]	<a href="#">PDF</a>
<b>SCE-20HMI2410SSLP</b>	\$1,380.00	20.27 x 24.27 x 11.25 [515 x 616 x 286]	50.40 [22.86]	17.5 x 21.5 [445 x 546]	<a href="#">PDF</a>

Note: Dimensions in inches [millimeters].  
Weight in pounds [kilograms]

# Suspension Arm Configuration Examples



# Aluminum Suspension Arm Profiles



## Applications

Allows operators to easily move or position an HMI to an ergonomic and comfortable working position. Suspension Systems can be assembled in a multitude of configurations that allow for machine-, wall-, top-, and floor-mount options

## Construction

- Cast aluminum couplings
- Extruded aluminum tubes (6060T66)
- Rotating couplings have adjustable tensioner brakes to control movement while in use
- Rigid, durable bearing in all rotating couplings withstand the stress of continuous use
- Open or closed tube design
- Open tube allows for easy access to lay in wiring with easy to install push fit rubber cover
- Closed tube acts as conduit for feeding wiring
- Removable access covers on all couplings with 90° turn
- Hardware and gasket included for installation of coupling to tube

## Finish

- RAL7035 gray powder coated

Closed Tube Suspension Arm Profile			
Part	Price	Length	Drawing Link
<a href="#">SCE-SA08TC</a>	\$136.00	7.9 [201]	<a href="#">PDF</a>
<a href="#">SCE-SA20TC</a>	\$121.00	19.7 [500]	<a href="#">PDF</a>
<a href="#">SCE-SA39TC</a>	\$197.00	29.5 [749]	<a href="#">PDF</a>
<a href="#">SCE-SA30TC</a>	\$368.00	39.4 [1001]	<a href="#">PDF</a>
<a href="#">SCE-SA79TC</a>	\$349.00	78.7 [1999]	<a href="#">PDF</a>
Note: Dimensions in inches [millimeters].			

Open Tube Suspension Arm Profile			
Part	Price	Length	Drawing Link
<a href="#">SCE-SA20T</a>	\$188.00	19.7 [500]	<a href="#">PDF</a>
<a href="#">SCE-SA39T</a>	\$290.00	39.4 [1001]	<a href="#">PDF</a>
<a href="#">SCE-SA79T</a>	\$470.00	78.7 [1999]	<a href="#">PDF</a>
Note: Dimensions in inches [millimeters].			

# Suspension Arm Base Fittings



## Applications

Connects a suspension arm profile tube to the horizontal or vertical base. Cables and wires originating in the base feed through the coupling towards the HMI enclosure.

### Wall-Mount Swivel Base

Part Number	Price	Drawing Link
<a href="#">SCE-SA230WH</a>	\$444.00	<a href="#">PDF</a>

Mounts to vertical surface, and offers up to 230° of arm rotation.



[SCE-SA230WH](#)

### Top-Mount Swivel

Part Number	Price	Drawing Link
<a href="#">SCE-SA310TMJ</a>	\$377.00	<a href="#">PDF</a>

Mounts to horizontal surface, and offers up to 310° of arm rotation.



[SCE-SA310TMJ](#)

# Angle Fittings and Intermediate Swivel Joints

Allows operators to easily move or position an HMI to an ergonomic and comfortable working position



## Intermediate Swivel Joint

Part Number	Price	Drawing Link
<b><u>SCE-SA310IJ</u></b>	\$538.00	<a href="#">PDF</a>

Intermediate coupling steps up between two Saginaw Aluminum arm profiles. Offers 310° of arm rotation.



**SCE-SA310IJ**

## Drop-down Intermediate Swivel Joint

Part Number	Price	Drawing Link
<b><u>SCE-SA310JD</u></b>	\$538.00	<a href="#">PDF</a>

Intermediate coupling steps down between two Saginaw Aluminum arm profiles. Offers 310° of arm rotation.



**SCE-SA310JD**

## 90° Angle

Part Number	Price	Drawing Link
<b><u>SCE-SA90A</u></b>	\$158.00	<a href="#">PDF</a>

Fixed 90° elbow.



**SCE-SA90A**

# Aluminum Suspension Arm Couplings



Connects suspension arm profiles to HMI enclosures.

Angle Coupling		
Part Number	Price	Drawing Link
<a href="#"><b>SCE-SA320AC</b></a>	\$264.00	<a href="#">PDF</a>

Connects HMI enclosure to horizontal suspension arm. Offers 320° degrees of enclosure rotation.



[SCE-SA320AC](#)

Swivel Coupling		
Part Number	Price	Drawing Link
<a href="#"><b>SCE-SA360C</b></a>	\$167.00	<a href="#">PDF</a>

Connects HMI enclosure to vertical suspension arm. Offers 360° of enclosure rotation.



[SCE-SA360C](#)

Inclining Adaptor		
Part Number	Price	Drawing Link
<a href="#"><b>SCE-SA45IA</b></a>	\$593.00	<a href="#">PDF</a>

Install between HMI Enclosure and an HMI Enclosure Coupling ([SCE-SA320AC](#), [SCE-SA360C](#), or [SCE-SAFC](#)) for an up to 45° angle tilt.



[SCE-SA45IA](#)

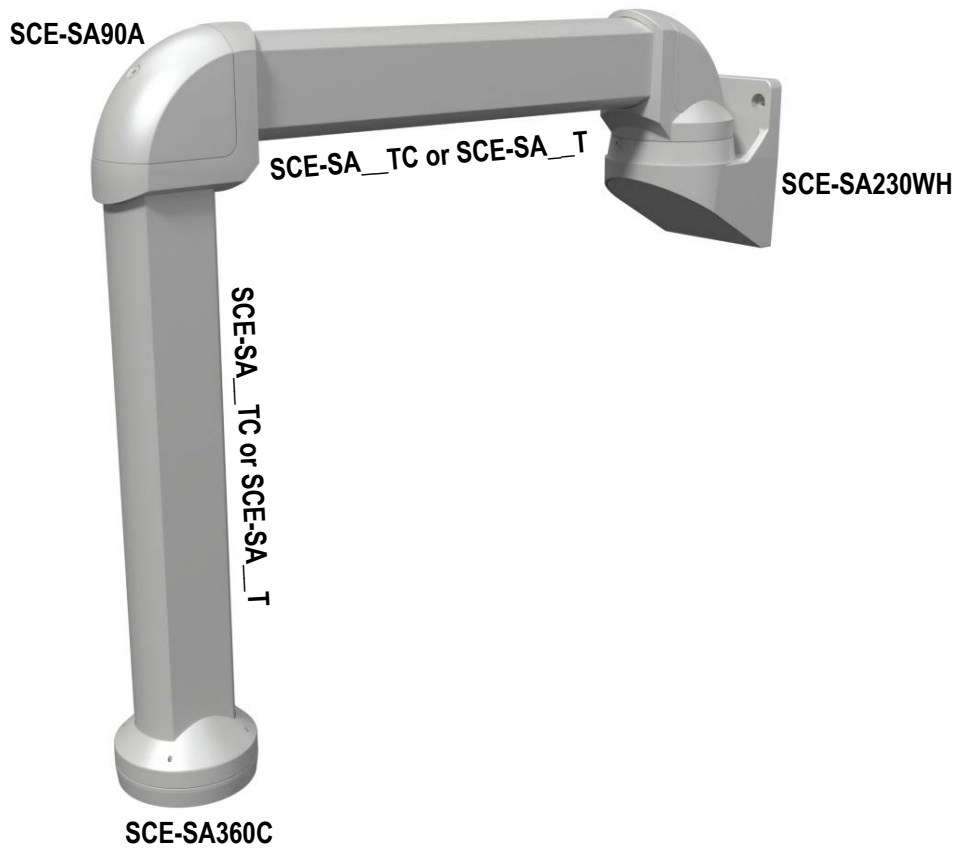
Fixed Coupling		
Part Number	Price	Drawing Link
<a href="#"><b>SCE-SAFC</b></a>	\$86.00	<a href="#">PDF</a>

Fixed coupling between HMI enclosure and suspension arm.



[SCE-SAFC](#)

# Suspension Arm Configuration Examples





# Aluminum Suspension Arm Floor Stand



Allows operators to easily move or position an HMI to an ergonomic and comfortable working position

## Fixed Floor Stand

Part Number	Price	Drawing Link
<a href="#">SCE-SAFFS</a>	\$83.00	<a href="#">PDF</a>

Mounts to horizontal surface for fixed coupling between the mounting base and a vertical suspension arm.



[SCE-SAFFS](#)

## Turntable Floor Stand

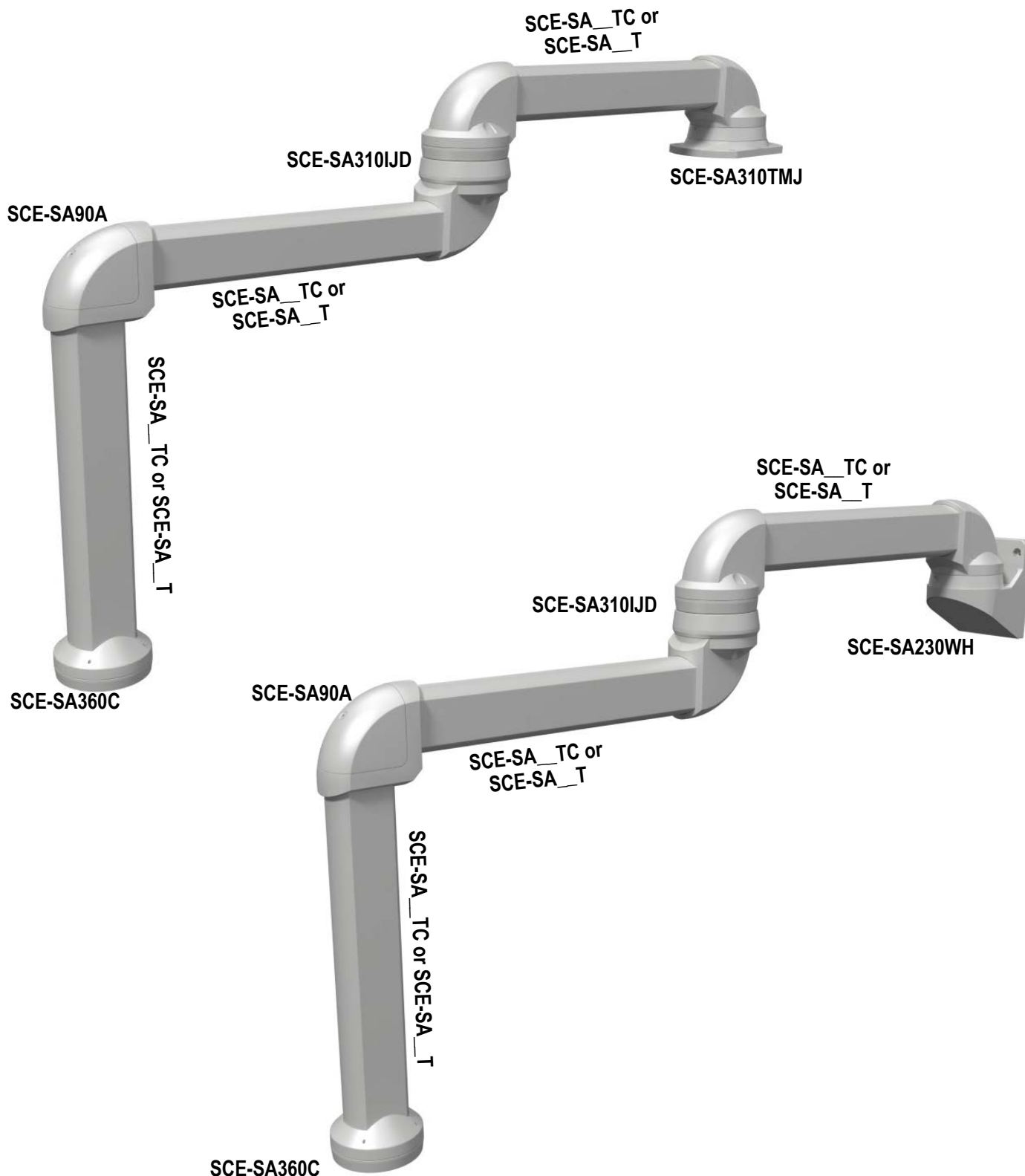
Part Number	Price	Drawing Link
<a href="#">SCE-SATFS</a>	\$241.00	<a href="#">PDF</a>

Mounts to horizontal base for rotating coupling between the mounting base and a vertical suspension tube.

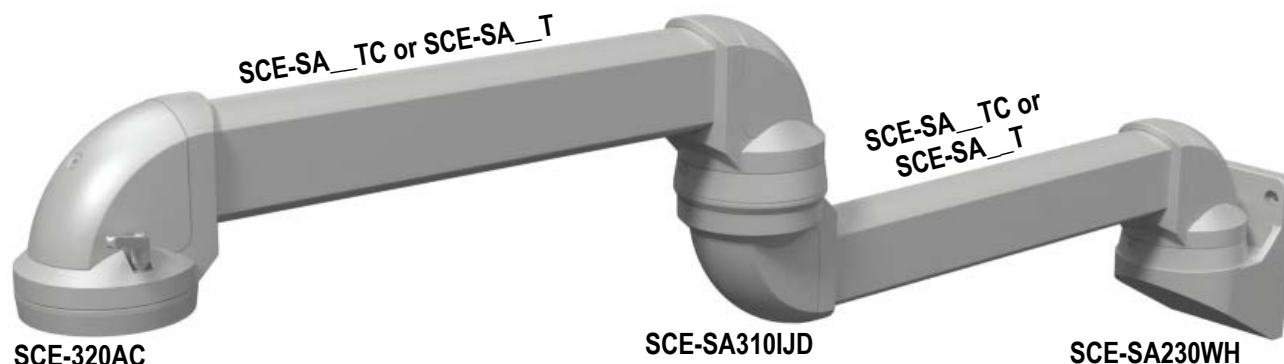


[SCE-SATFS](#)

# Suspension Arm Configuration Examples



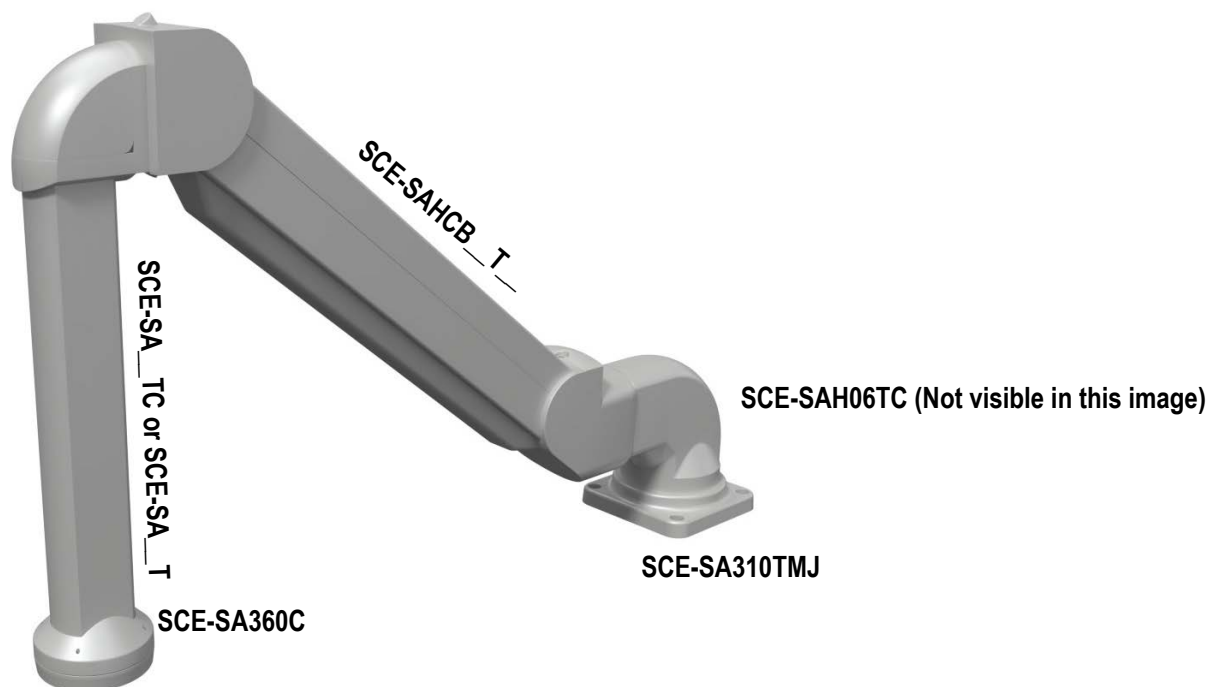
# Suspension Arm Configuration Examples



Note: Assemblies demonstrate two enclosure mounting options using the same suspension arm components



# Height Adjustable Suspension Arm Configuration Examples



Note: When assembled, profile tube [SCE-SAH06TC](#) is enclosed and not visible from some perspectives.

