

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



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



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



Front View



Rear View

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
SCE-12HMI1606LP	\$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]	PDF
SCE-12HMI1610LP	\$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]	PDF
SCE-14HMI1806LP	\$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]	PDF
SCE-14HMI1810LP	\$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]	PDF
SCE-16HMI2006LP	\$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]	PDF
SCE-16HMI2010LP	\$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]	PDF
SCE-20HMI2406LP	\$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]	PDF
SCE-20HMI2410LP	\$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]	PDF

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

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



Your Enclosure Source®

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

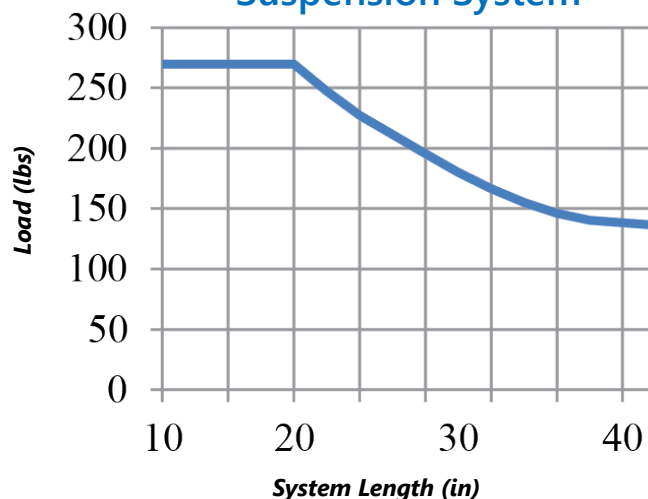
Applications

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

Suspension System



SCE-SAS

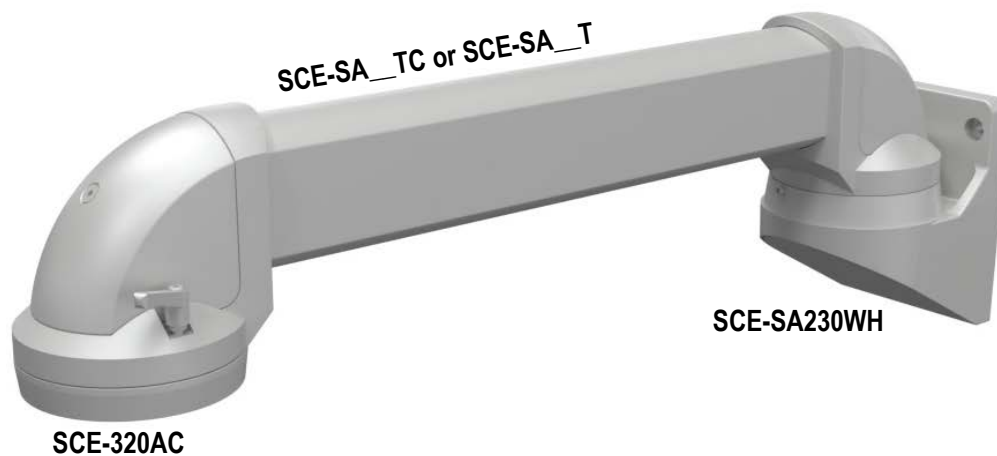
Note: Compatible with Saginaw Stainless Steel and Adjustable Suspension Arm Components.

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

Stainless	Price	Size HxWxD	Weight	Max Front Cutout Area	Drawing Link
SCE-12HMI1606SSLP	\$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]	PDF
SCE-12HMI1610SSLP	\$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]	PDF
SCE-14HMI1806SSLP	\$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]	PDF
SCE-14HMI1810SSLP	\$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]	PDF
SCE-16HMI2006SSLP	\$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]	PDF
SCE-16HMI2010SSLP	\$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]	PDF
SCE-20HMI2406SSLP	\$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]	PDF
SCE-20HMI2410SSLP	\$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]	PDF

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
<u>SCE-SA08TC</u>	\$136.00	7.9 [201]	<u>PDF</u>
<u>SCE-SA20TC</u>	\$121.00	19.7 [500]	<u>PDF</u>
<u>SCE-SA39TC</u>	\$197.00	29.5 [749]	<u>PDF</u>
<u>SCE-SA30TC</u>	\$368.00	39.4 [1001]	<u>PDF</u>
<u>SCE-SA79TC</u>	\$349.00	78.7 [1999]	<u>PDF</u>

Note: Dimensions in inches [millimeters].

Open Tube Suspension Arm Profile

Part	Price	Length	Drawing Link
<u>SCE-SA20T</u>	\$188.00	19.7 [500]	<u>PDF</u>
<u>SCE-SA39T</u>	\$290.00	39.4 [1001]	<u>PDF</u>
<u>SCE-SA79T</u>	\$470.00	78.7 [1999]	<u>PDF</u>

Note: Dimensions in inches [millimeters].

Suspension Arm Base Fittings



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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
SCE-SA230WH	\$444.00	PDF

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



[SCE-SA230WH](#)

Top-Mount Swivel

Part Number	Price	Drawing Link
SCE-SA310TMJ	\$377.00	PDF

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
<u>SCE-SA310IJ</u>	\$538.00	PDF

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
<u>SCE-SA310JD</u>	\$538.00	PDF

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



SCE-SA310JD

90° Angle

Part Number	Price	Drawing Link
<u>SCE-SA90A</u>	\$158.00	PDF

Fixed 90° elbow.



SCE-SA90A

Aluminum Suspension Arm Couplings



Connects suspension arm profiles to HMI enclosures.

Angle Coupling		
Part Number	Price	Drawing Link
SCE-SA320AC	\$264.00	PDF

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



[**SCE-SA320AC**](#)

Swivel Coupling		
Part Number	Price	Drawing Link
SCE-SA360C	\$167.00	PDF

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



[**SCE-SA360C**](#)

Inclining Adaptor		
Part Number	Price	Drawing Link
SCE-SA45IA	\$593.00	PDF

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**](#)

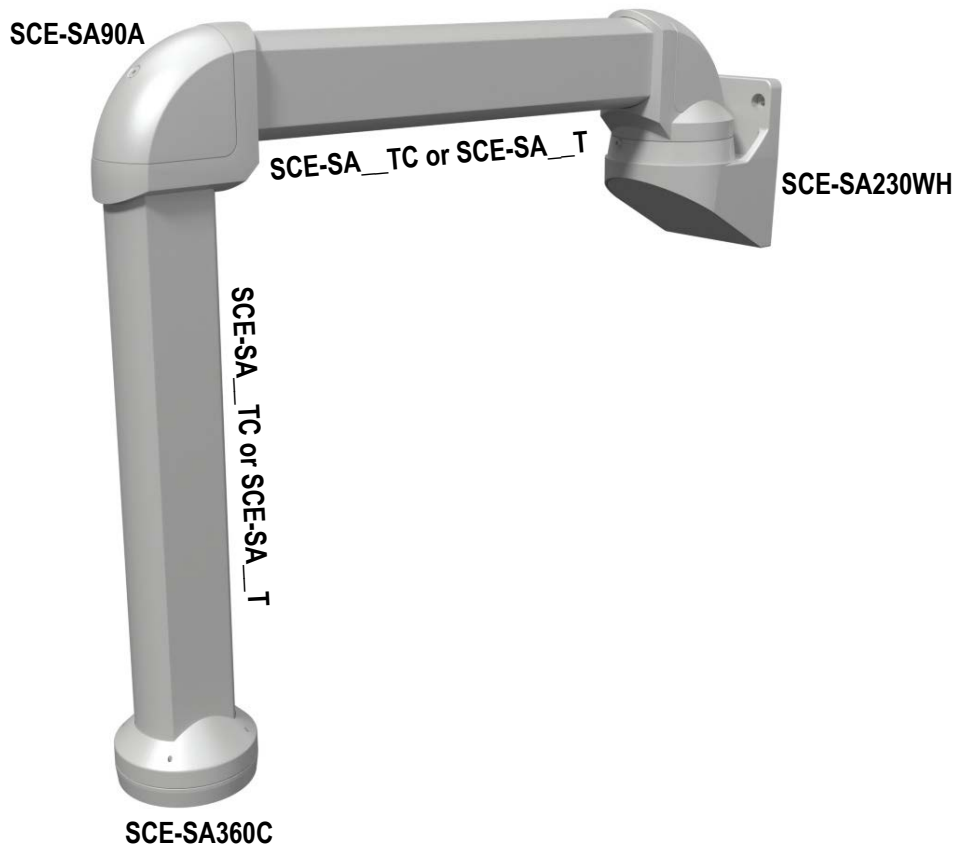
Fixed Coupling		
Part Number	Price	Drawing Link
SCE-SAFC	\$86.00	PDF

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
<u>SCE-SAFFS</u>	\$83.00	PDF

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



SCE-SAFFS

Turntable Floor Stand

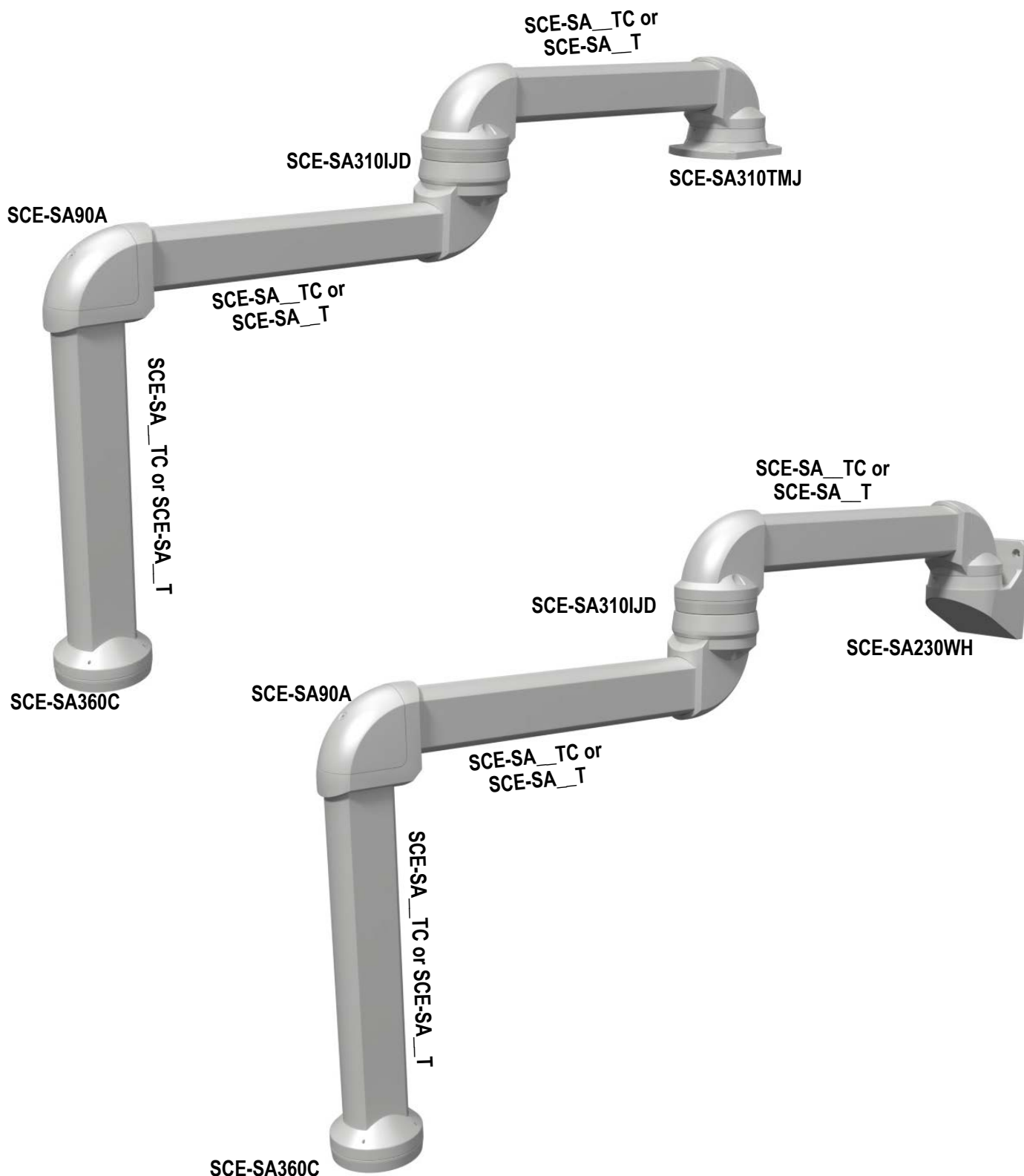
Part Number	Price	Drawing Link
<u>SCE-SATFS</u>	\$241.00	PDF

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

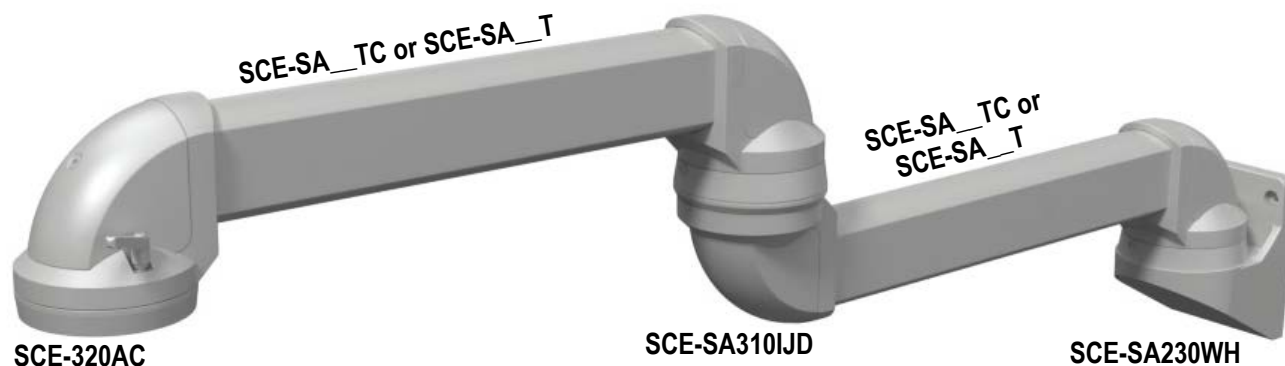


SCE-SATFS

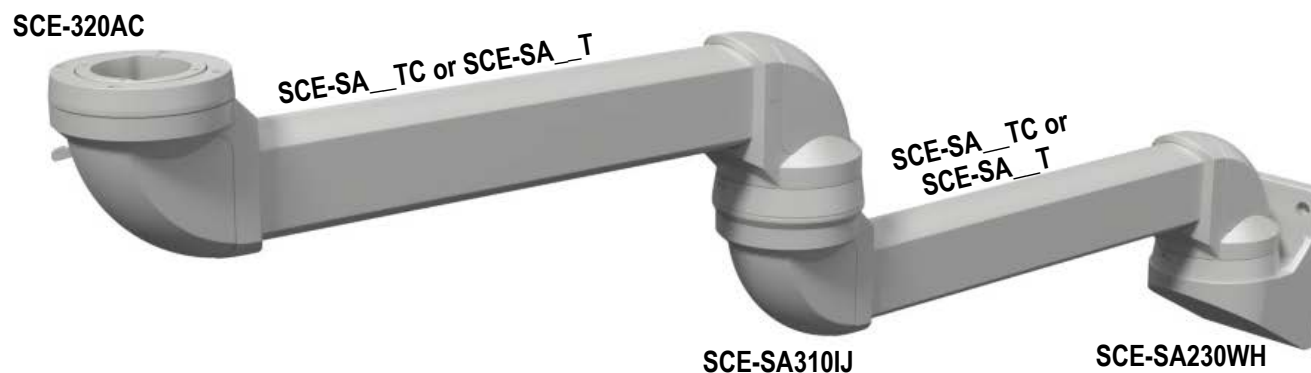
Suspension Arm Configuration Examples



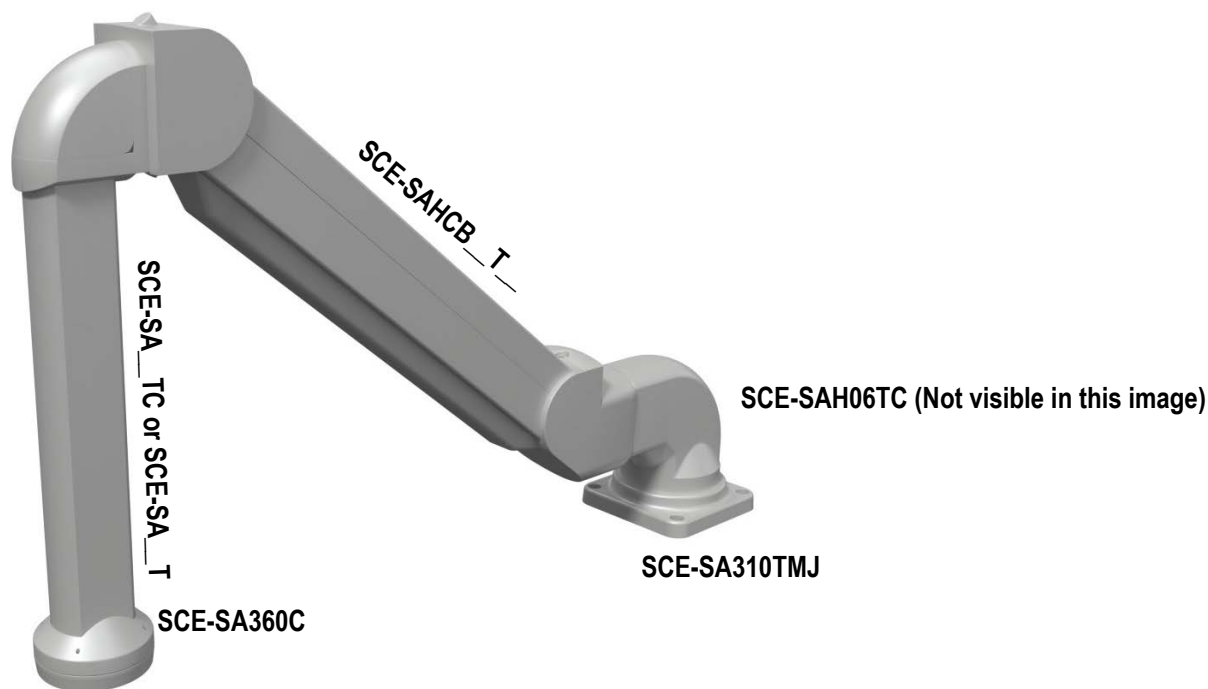
Suspension Arm Configuration Examples



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.

