Test TNO Cepro Sonic Classic in accordance with EN-ISO 140-3

Project number : 008.02382/01.01	Product : Cepro Sonic Classic wall element
Test date : 16 November 2000	Test room : TNO TPD 3-4, Delt (The Netherlands)

Test result : Rw = 26 dB

Frequency (Hz)	R 1/3 oct (dB)	R 1/3 oct (dB)
50	21,90	
63	4,50	8,10
80	9,80	
100	18,10	
125	17,00	16,80
160	15,60	
200	16,60	
250	16,80	16,80
315	17,10	
400	18,80	
500	21,00	20,70
630	23,30	
800	25,20	
1000	28,10	27,60
1250	31,60	
1600	34,70	
2000	37,90	37,20
2500	41,40	
3150	44,90	
4000	47,80	47,00
5000	49,70	
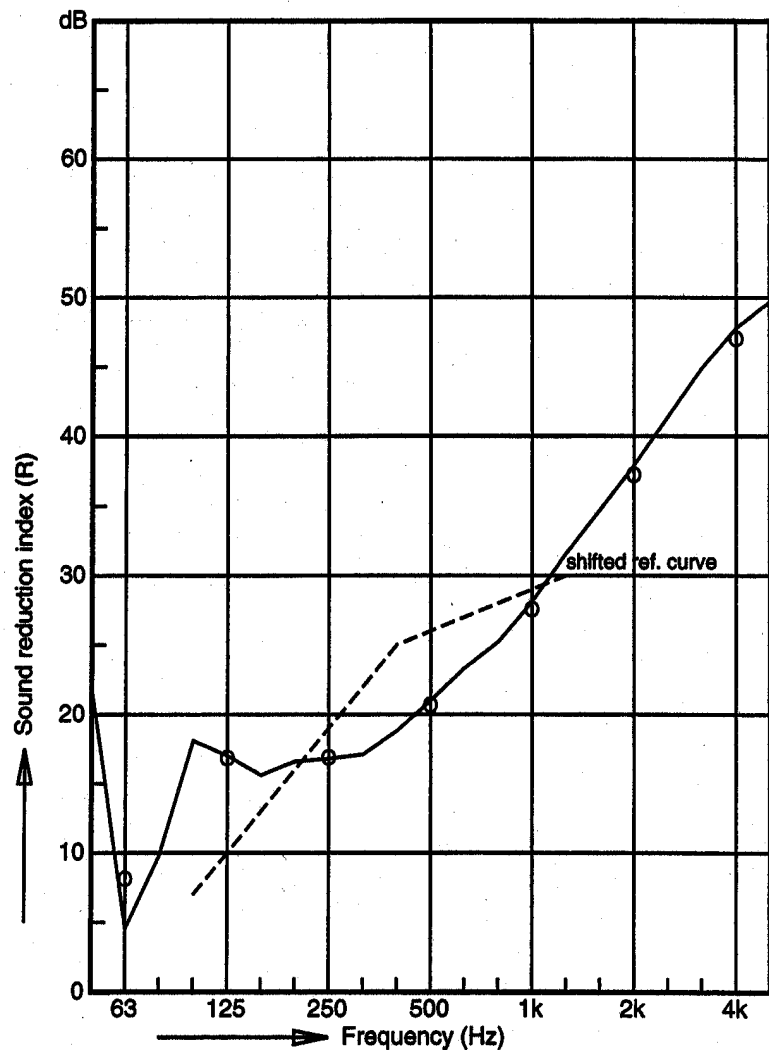
Measurement method

The test room is divided by a concrete wall of aprox. 40 cm thick. In this wall there is a test opening (dimensions 123 x 148 cm). In the source room 'white noise' is produced using an amplifier-loudspeaker combination. The sound pressure level in source- and receiving room has been measured with a rotating microphone (rotation time 64s) and analysed over the same time period with a digital time parallel analyser. During the test a sound is produced (during 65s) in a range between 50 and 50.000 Hz. This test was carried out in accordance with EN-ISO 140-3 1996.
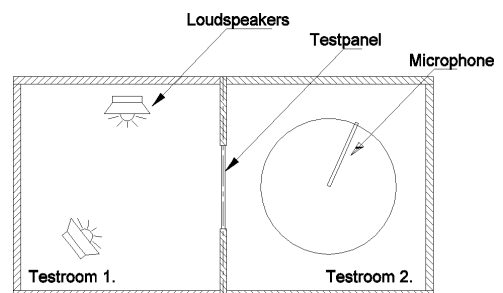
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COMPOSITION

For steel basic system parts:
- Carbon steel profiles, powder coated.
- Carbon steel perforated plate powder coated.
- Filling of two solid mineral fiber panels (2 x 25mm) with a steel plate inbetween.
- Contain no toxic parts.
- Contain no inflammable parts.
- Contain no electrical parts.

USE AND HANDLING

Coating will be damaged by open fire or intensive heat. Oil or grease pollution do not have negative effects on the screens condition.

Dents can occur impact with heavy objects impact against the perforated plate.

MAINTENANCE AND SAFETY

Bolts must be periodic checked. When assemble, take care of a flat and stable surface. The structure is stabilized by attachment to a wall or by the use of corner arrangements.

TECHNICAL SPECIFICATION

|	
Type screen	: Solid noise reducing screen.
Total weight	: basic screen (0.5 x 2m) : 25kg.
Total weight	: basic screen (1 x 2m) : 41 kg.
Overall size height	: 2090 mm.
Overall size height	: including feet: 2210 mm.
Width	: 512 or 1012mm.
Materials	: Steel profiles and perforated plate, power coated in green, RAL6011.
Inlay	: 2 x 25mm rock wool 75kg/m3 with a steel coreplate 0.5mm.
Sound reduction	: Rw = 26 dB (Tested by TNO)
Perforated plate	: 0.75mm, meshes 5mm, center to center 7.5mm.
Operation	: Manufactured in factory, easy to assemble and re-assemble on site.

DIMENSIONS BASIC WALL PARTS
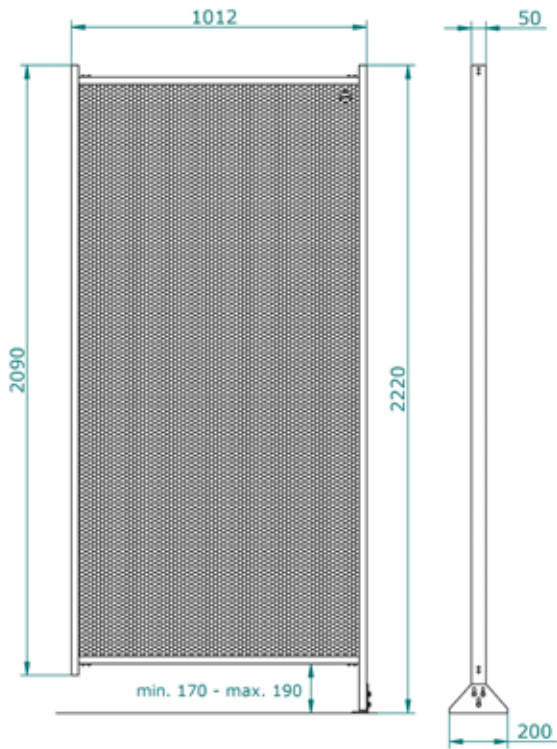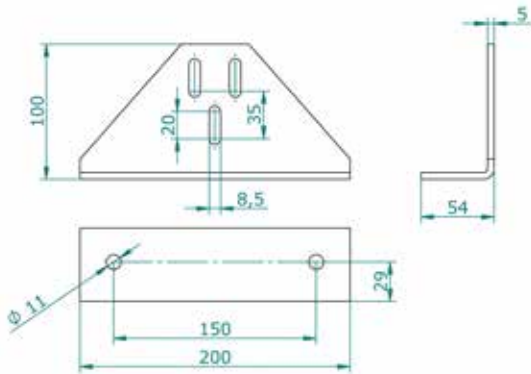

45.00.00.2010 Sonic wall element 1.012 mm wide
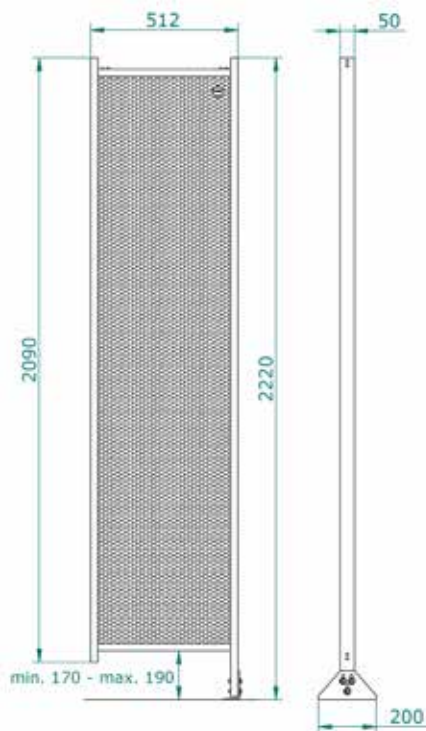
45.00.00.2005 Sonic wall element 512 mm wide

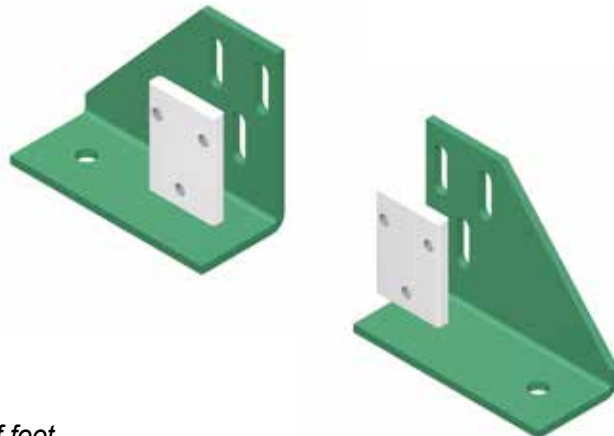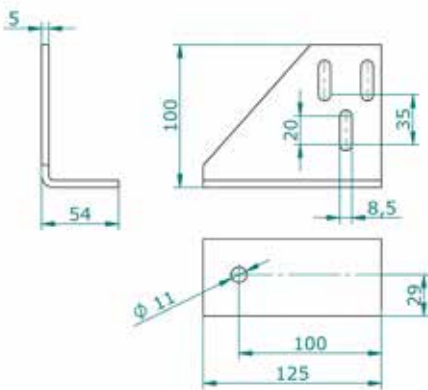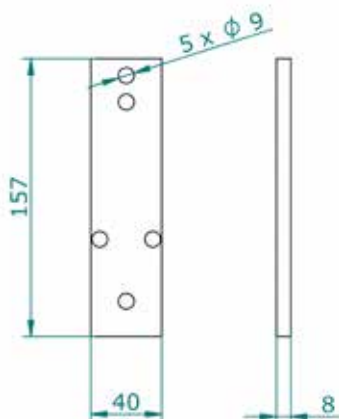### DIMENSIONS BASIC WALL PARTS

45.10.00 Sonic Classic adjustable foot

45.10.02 / 45.10.03 Sonic Classic adjustable half foot

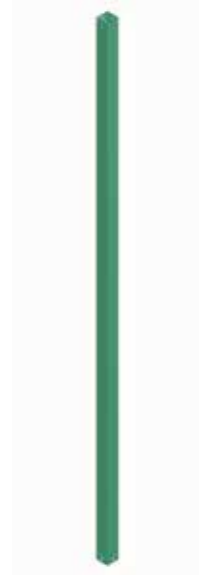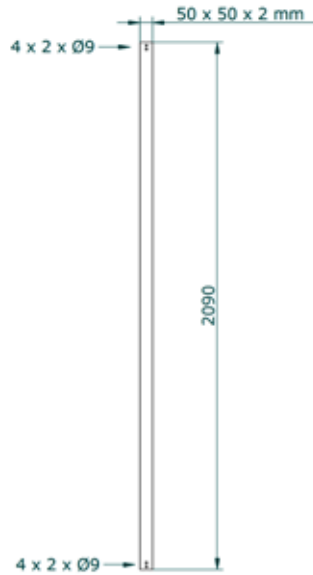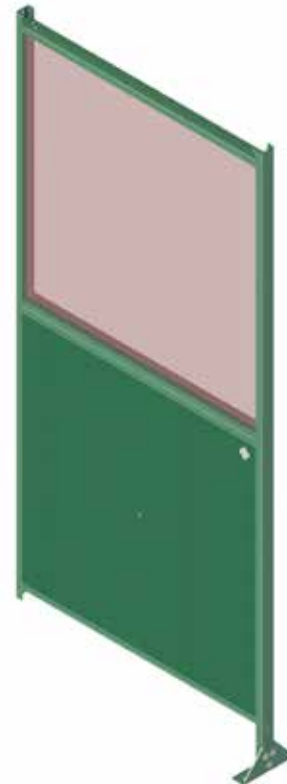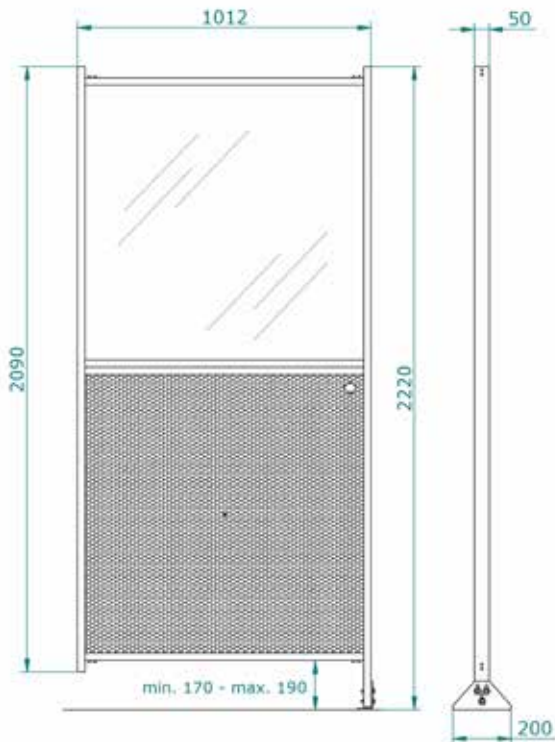*45.35.20 Sonic Classic extension adjustable foot*

DIMENSIONS BASIC WALL PARTS

50 x 50 x 2 mm

4 x 2 x Ø9

2090

4 x 2 x Ø9

45.20.01 Sonic Classic joining pole

1012

50

2090

2220

min. 170 - max. 190

200

45.00.03.2010 Sonic wall element 1012 mm wide with Impact wind

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MOUNTING BASIC WALL PARTS
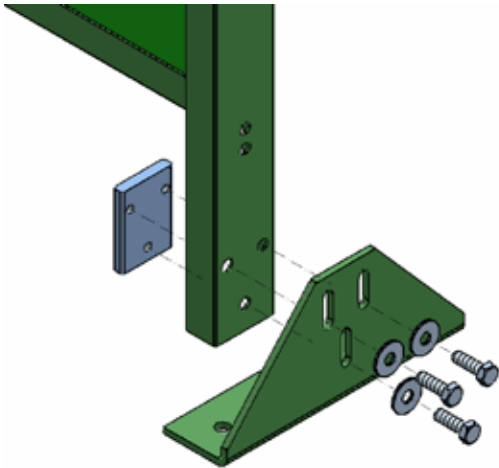
Mounting adjustable foot to Sonic Classic wall element
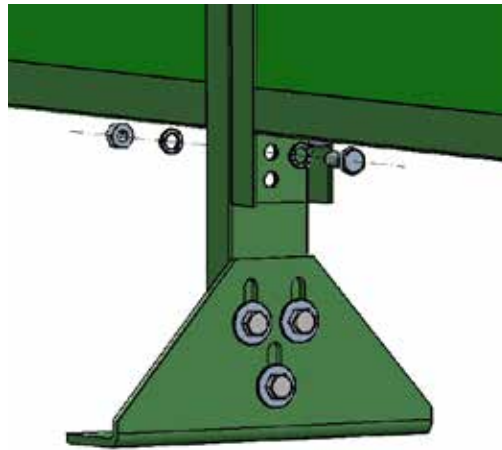
Mounting adjustable foot to several Sonic Classic wall elements in a row
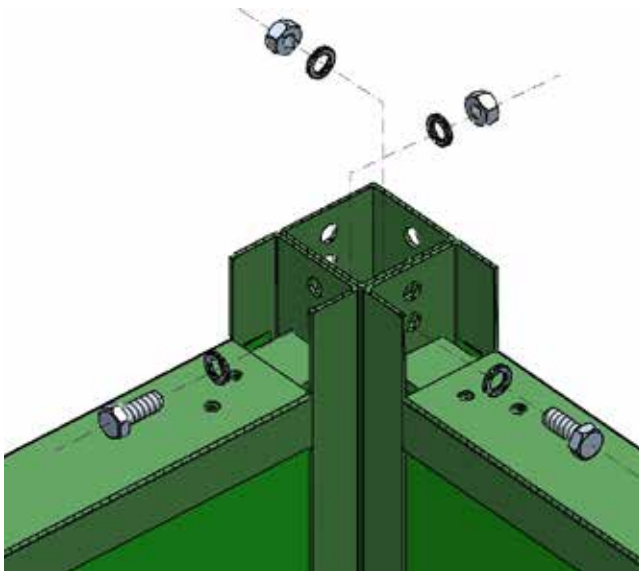
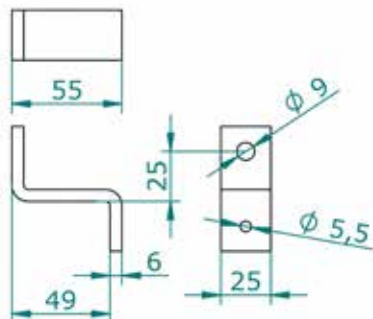*Mounting joiing pole to Sonic Classic wall element to make an angle of 90° or a cross bond*
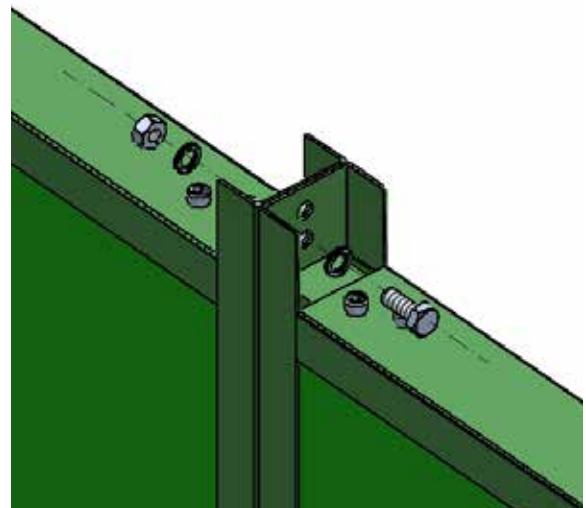
DIMENSIONS ACCESSOIRIES
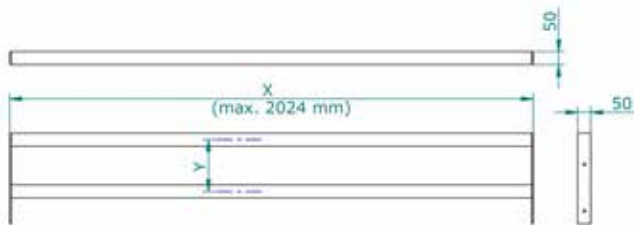
45.30.15.2022 Sonic Classic console for fume extractor
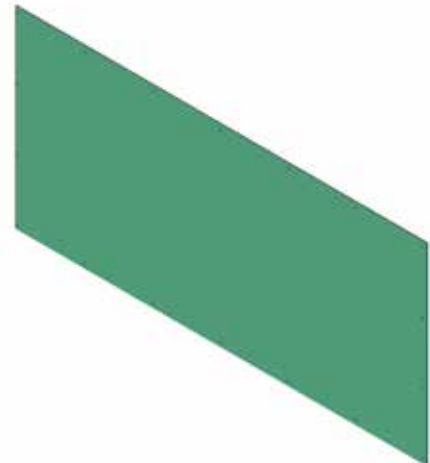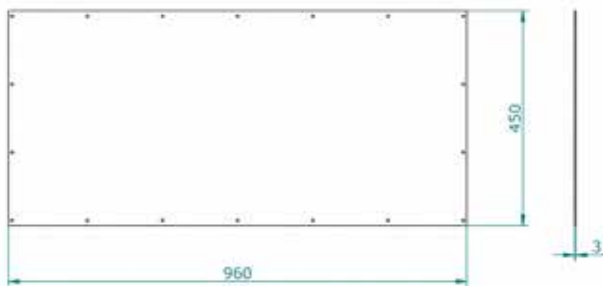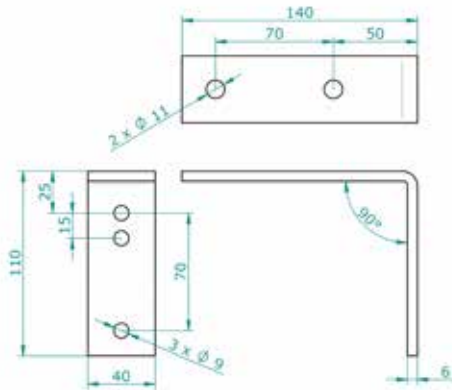

45.33.03.4596 Sonic Classic mounting plate
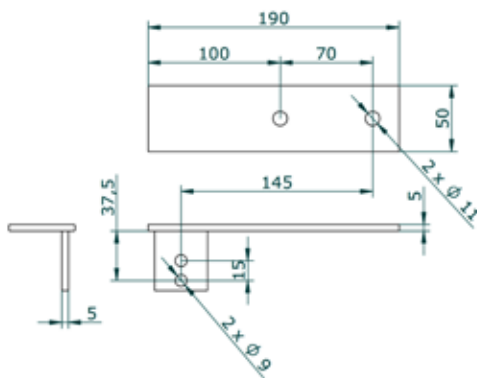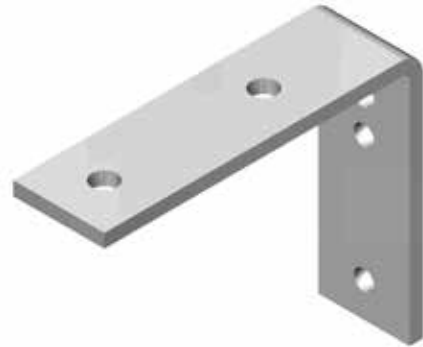

45.35.20.0002 Sonic Classic Z-supports (set of 2)

DIMENSIONS ACCESSOIRIES

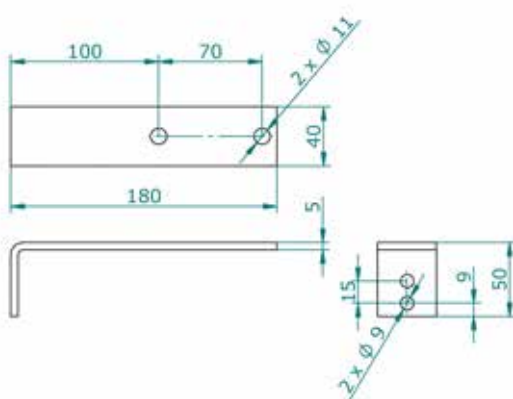*80.10.01 Support for fixing rail or tube*
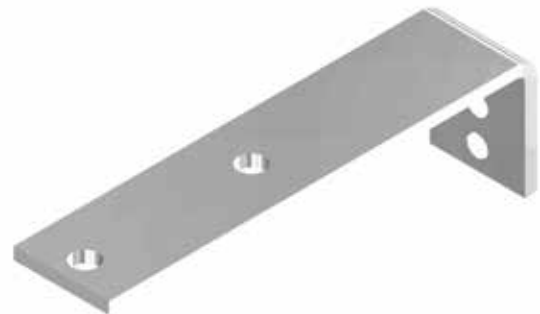

45.35.02 Left version

45.35.03 Right version

45.35.02 / 45.35.03 Support special version, for fixing tube or rail to the side of a Sonic wall
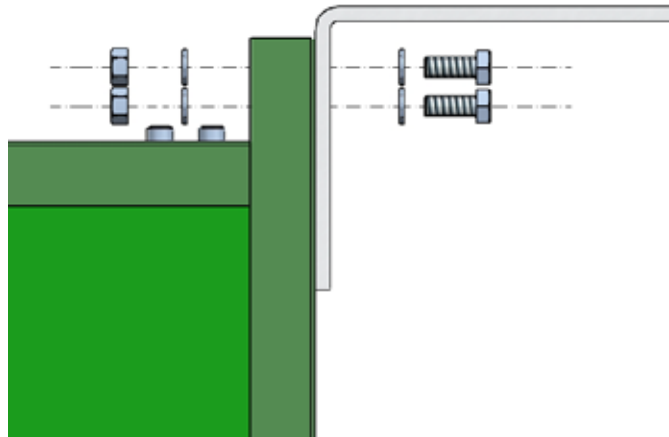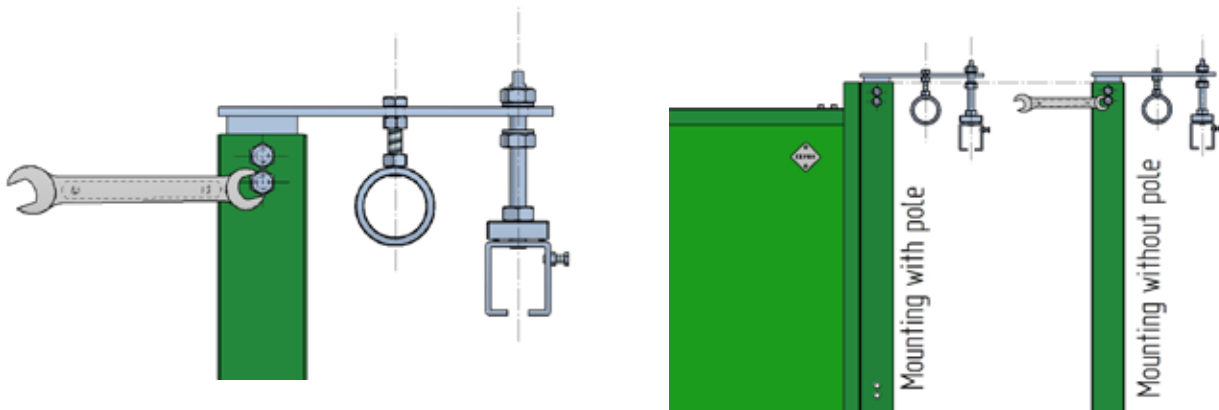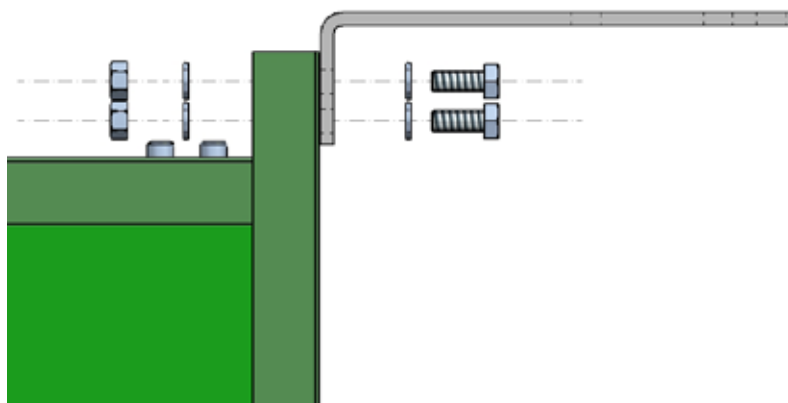

45.35.05 Support extra long

MOUNTING ACCESSORIES

Mounting support 80.10.01 to Sonic Classic wall element.

Mounting with pole

Mounting without pole

Mounting support 45.35.02 / 45.35.03 to Sonic Classic wall element with railsupport 86.10.02 / 86.10.03

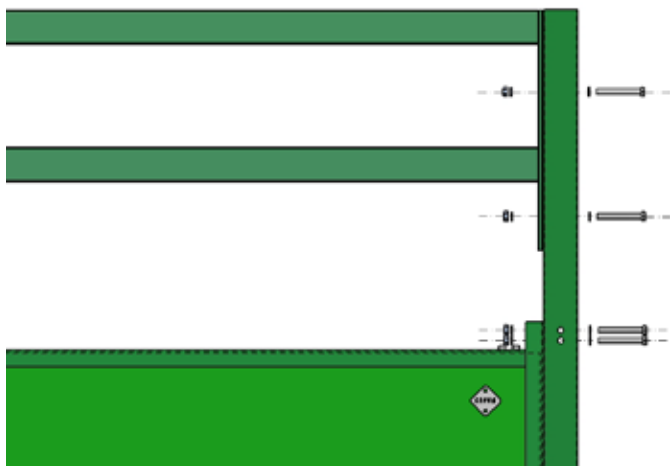*Mounting support 45.35.05 to Sonic Classic wall element.*

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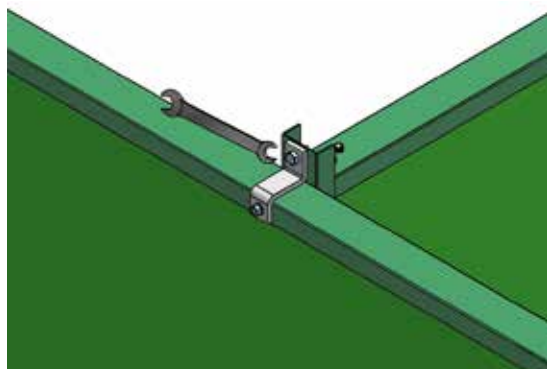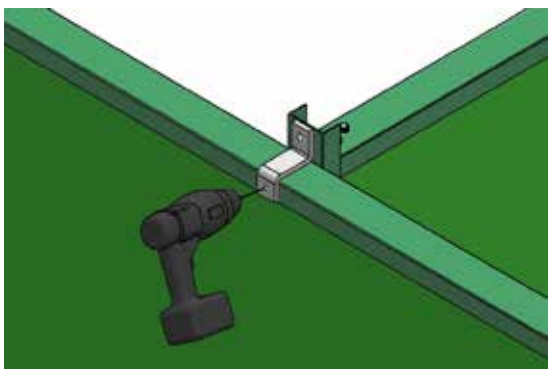
MOUNTING ACCESSORIES
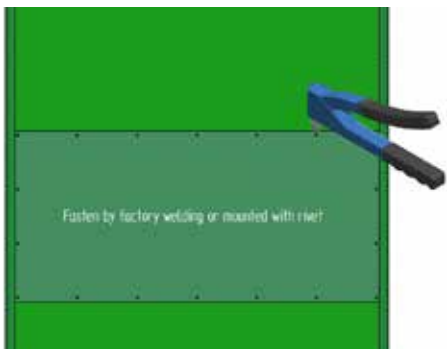
Mounting plate 45.33.03.4596 to Sonic Classic wall element

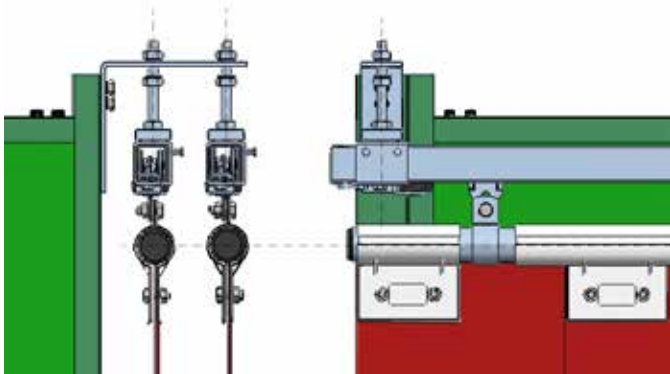*Mounting console 45.30.15.2022 to Sonic Classic wall element*

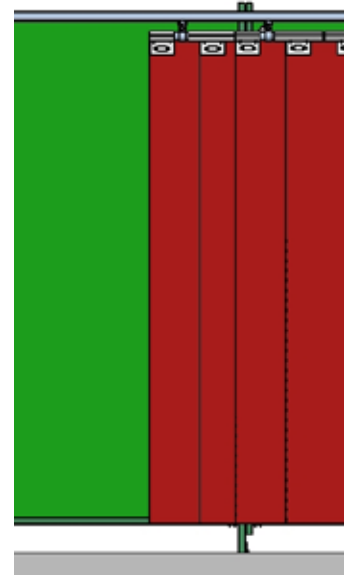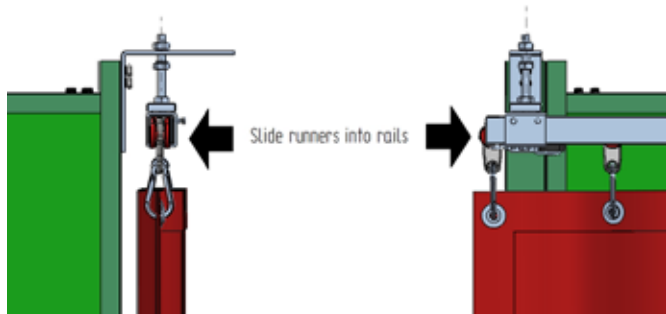*Mounting z-supports 45.35.20.0002 to Sonic Classic wall element*
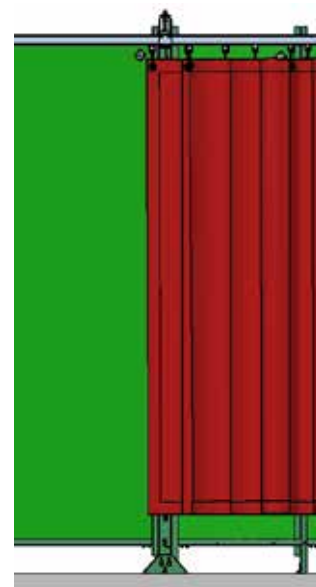
MOUNTING ACCESSORIES

Slidable strip set mounted in a double rail

Height strips to underside Sonic element 192 cm, mounted in a single our double rail.

Slide runners into rails

Slidable curtain mounted in a single rail

Height standard curtain 180 cm, mounted in a single our double rail.

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