

# Stainless Steel Suspension System

## Product features

The CS-480 NR suspension system was specifically developed for mounting control enclosures in hygienic areas in the food and pharmaceuticals industries.

Thanks to the variety of different models, the CS-480 NR ensures absolute flexibility. You have the choice between a combination of tubes shaped to customer specifications and suspension system components or, if time is pressing, you can combine the preshaped tubes and coupling sleeves available from stock with the suspension system components.

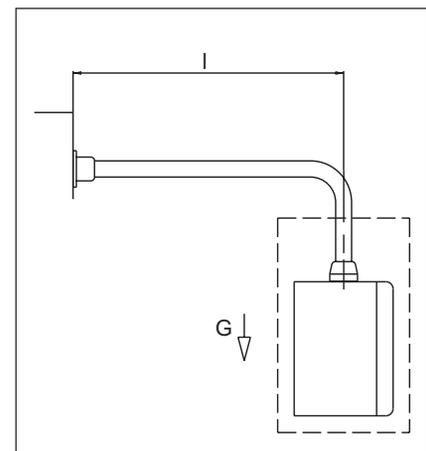
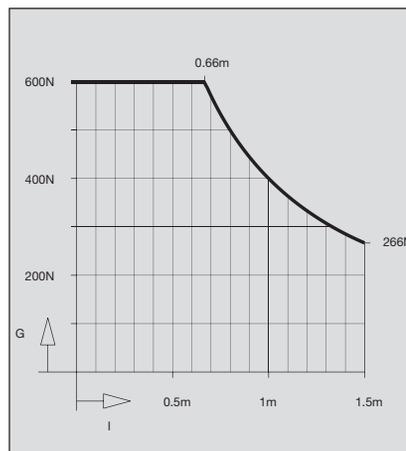
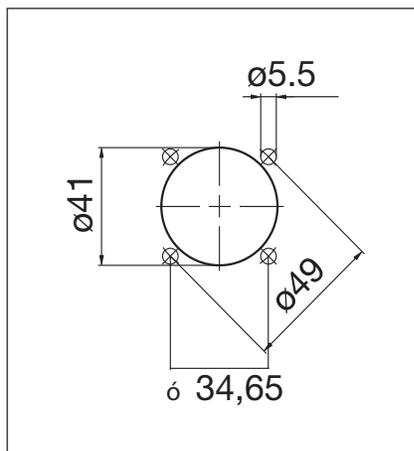


## System features

- Installation openings at bearing components with horizontal outlet
- Easy mounting by clamping the support tubes
- Load bearing capacity 400 N at 1 m
- Protection class IP66/NEMA 4X
- Material 1.4305
- Torque preset at factory

## Enclosure preparation for mounting couplings

The dimensions of the coupling hole pattern for preparing the enclosure are shown in the following drawing.



## Materials and surfaces

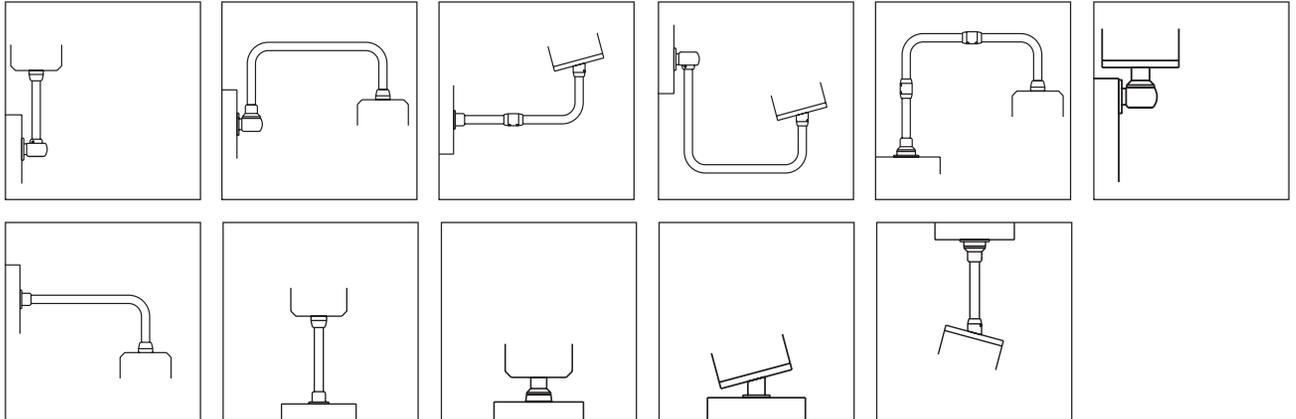
Stainless steel support tubes 1.4301  
 Stainless steel components 1.4305  
 Bearings POM  
 O-rings NBR

## Load diagram

Refer to the diagram for the load bearing capacity of the CS-480 NR suspension system. Approval for higher loads is to be obtained separately. The system length  $l$  refers to the length specification in the diagram.

## System combinations

The following selection illustrates the high degree of flexibility that can be achieved in configuring the suspension system:

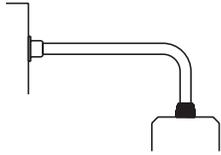


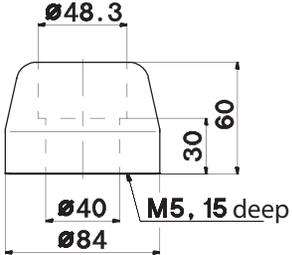
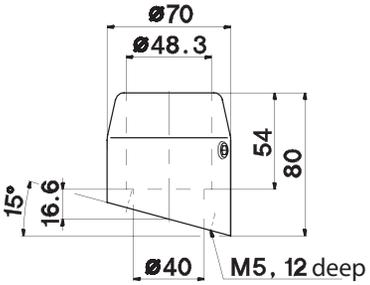
<b>Support tubes</b>		
<b>Support tubes with 48.3 mm outside diameter; wall thickness 3.6 mm, straight tubes</b>		
	<b>Length mm</b>	<b>Article number</b>
	250	9523501000
	500	9523502000
	750	9523503000
	1000	9523504000
	1250	9523505000
	1500	9523506000
<b>Increased flexibility with L-shaped tubes and coupling sleeves</b>		
The use of L-shaped tubes and coupling sleeves together with straight support tubes can render unnecessary time-consuming manufacture of support tubes to customer specifications, L-shaped tubes		
	250 x 250	9523500001
	500 x 500	9523500011
	Coupling sleeve	1013051200
<b>Support tubes to customer specifications</b>		
Different versions of formed support tubes for the BERNSTEIN CS-480 NR suspension system are available on request. To order customised tubes simply quote the shape (e.g. straight, L-, U- or Z-shaped) and the dimensions.		
<b>Note:</b>		
Dimension B and C min. 220 mm; dimension A in U and Z version min. 320 mm		

<b>Article</b>	<b>Straight coupling (for attaching enclosure)</b>	<b>Tilt coupling (for attaching enclosure)</b>
<b>Article number</b> (colour)	<b>1013050100</b>	<b>1013050300</b>



<b>Details</b>	Flange coupling for mounting enclosures. Angle of rotation 340° with limit stop. Preset torque. Maintenance-free bearings. Complete with seals and mounting material	Rigid flange coupling with 15° tilt for mounting enclosures. Complete with seals and mounting material
Weight in lbs. (g)	3.1 (1400)	2.2 (1000)
Material	Stainless steel	Stainless steel
<b>Accessories</b> (retrofitable)		

<b>Application example</b>		
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<b>Dimensions in mm</b>		
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Rotary base coupling, external mounting

1013050700

Rotary base coupling, internal mounting

1013050800

Base tilt coupling

1013050400



Rotary base coupling (external mounting) for directly mounting enclosures on machines or floors. Angle of rotation 340° with limit stop. Preset torque. Maintenance-free bearings. Complete with seals and mounting material

9.9 (4500)

Stainless steel

Rotary base coupling (internal mounting) for directly mounting enclosures on machines or floors. Angle of rotation 340° with limit stop. Preset torque. Maintenance-free bearings. Complete with seals and mounting material

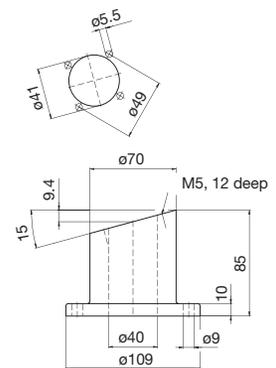
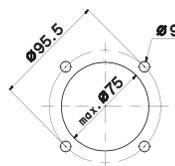
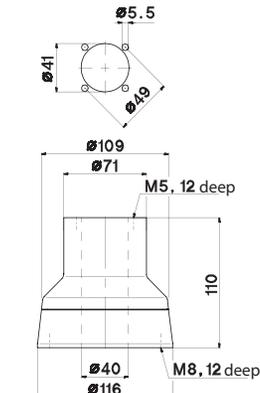
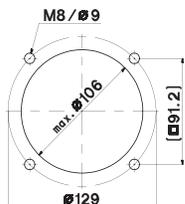
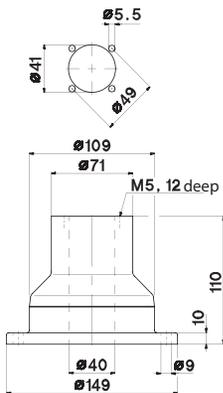
9.1 (4100)

Stainless steel

Rigid tilt coupling with 15° tilt for directly mounting enclosures on horizontal surfaces. Complete with seals and mounting material

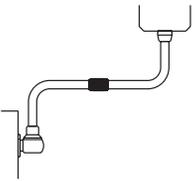
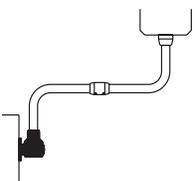
4.2 (1900)

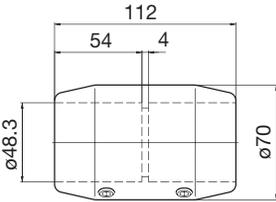
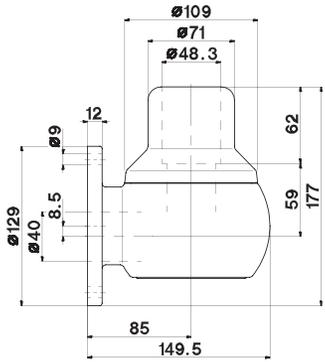
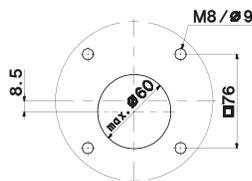
Stainless steel



<b>Article</b>	<b>Coupling sleeve</b>	<b>Wall joint S</b>
<b>Article number</b> (colour)	<b>1013051200</b>	<b>1013050900</b>



<b>Details</b>	Coupling sleeve for easy assembly and disassembly of tube configurations. Complete with seals	Wall joint with vertical outlet for mounting on vertical surfaces. Cover for easy cable installation. Angle of rotation 340° with limit stop. Maintenance-free bearings. Complete with seals
Weight in lbs. (g)	3.3 (1500)	16.1 (7300)
Material	Stainless steel	Stainless steel
<b>Accessories</b> (retrofitable)		
<b>Application example</b>		

<b>Dimensions in mm</b>		 
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Wall coupling S

1013051000

Wall bracket S

1013051100

Rotary base socket, external mounting

1013050500



Rotary wall coupling for directly mounting on vertical machine surfaces. Angle of rotation 340° with limit stop. Cover for easy cable installation. Preset torque. Maintenance-free bearings. Complete with seals and mounting material

16.1 (7300)

Stainless steel

Wall bracket with vertical outlet for mounting on vertical surfaces. Cover for easy cable installation. Complete with seals

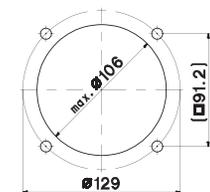
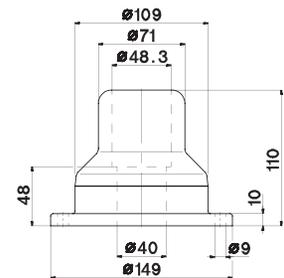
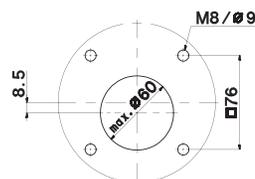
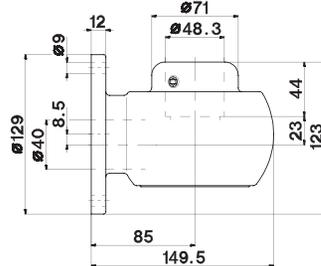
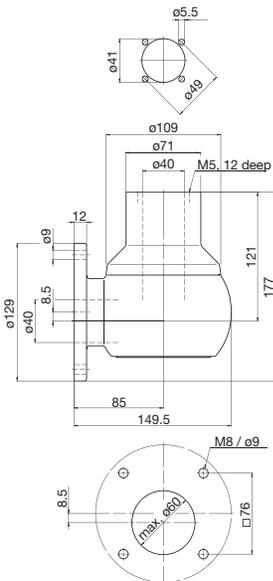
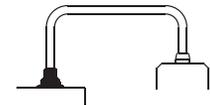
17.0 (7700)

Stainless steel

Rotary base for mounting on machines or floors. Angle of rotation 340° with limit stop. Preset torque. Maintenance-free bearings. Complete with seals

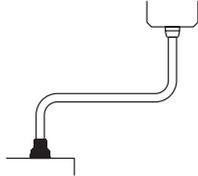
9.3 (4200)

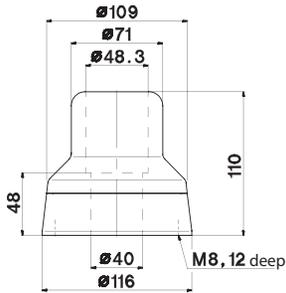
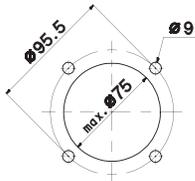
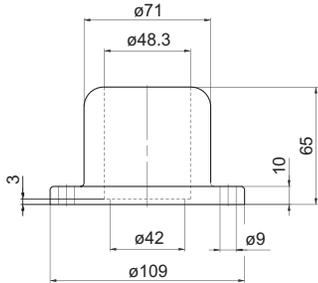
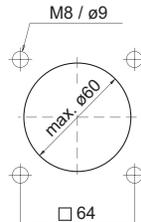
Stainless steel



<b>Article</b>	<b>Rotary base socket, internal mounting</b>	<b>Base / wall flange</b>
<b>Article number</b> (colour)	<b>1013050600</b>	<b>1013050200</b>



<b>Details</b>	Rotary base for mounting on machines or floors. Angle of rotation 340° with limit stop. Preset torque. Maintenance-free bearings. Complete with seals	Base or wall flange for mounting on horizontal and vertical surfaces. Complete with seals
Weight in lbs. (g)	8.4 (3800)	3.1 (1400)
Material	Stainless steel	Stainless steel
<b>Accessories</b> (retrofitable)		
<b>Application example</b>		

<b>Dimensions in mm</b>	 	 
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