

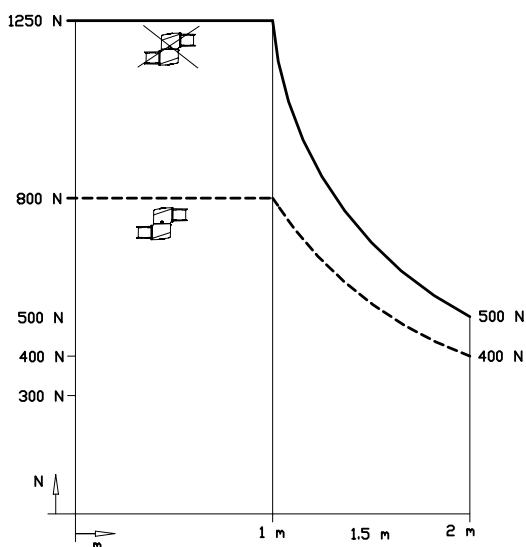
# The aluminium suspension system CS-3000

More than anything else, plant engineers demand variability, functionality, an advanced design and absolute ease of assembly from modern suspension systems. The CS-3000 suspension system is characterised by a combination of well thought-out ergonomics and modern industrial design. It consists of a large number of components that can be combined in any way. The CS-3000 suspension system is an innovative system solution that functions according to the modular principle.

### Product features

- Suspension system for static loads up to 125 kg (with 1 m outrigger length)
- Suspension system for static load up to 80 kg with intermediate joint (with 1 m outrigger length)
- Continuous earthing concept
- Individual configurability
- High ease of cleaning: no dirty edges due to smooth transitions from tube to component
- Can be combined with CS-480 B.fleX suspension system (round tube)
- Many connections possible due to a large portfolio of components

### Load diagram for static load CS-3000




## Application examples



### **CS-3000 suspension system with wall flange**

- Wall flange/stand base CS-3000
- CS-3000 tube
- Turn/tilt coupling with operating enclosure CC-4000



### **Connection with wall joint based on the CS-3000 suspension system**

Version with control unit

- Wall joint W rotatable CS-3000
- Reducing elbow CS-3000 to round tube 48 mm
- 48 tube
- CS-3000 tube
- 48 coupling

# CS-3000 System advantages

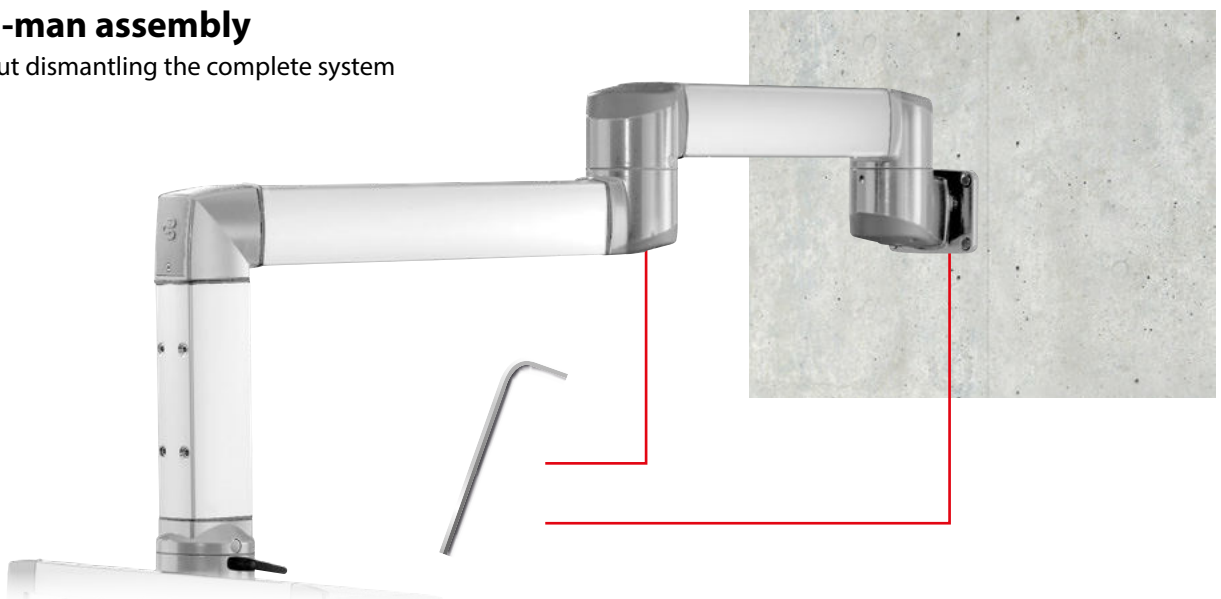
## Large mounting holes for easy cable handling



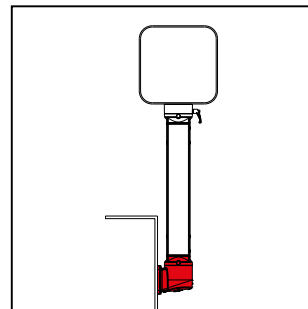
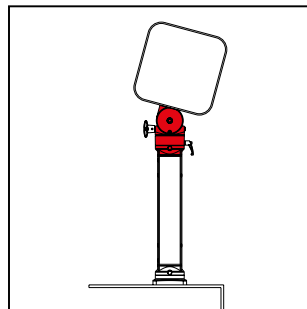
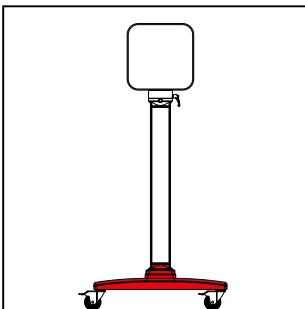
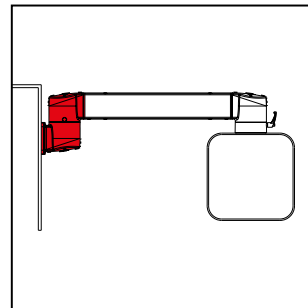
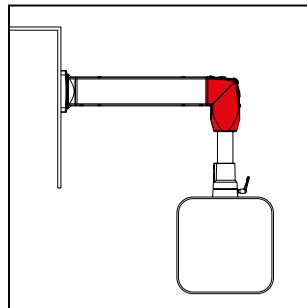
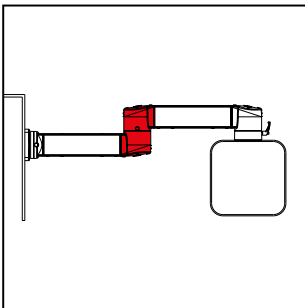
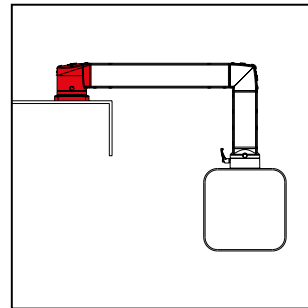
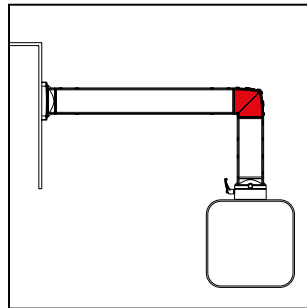
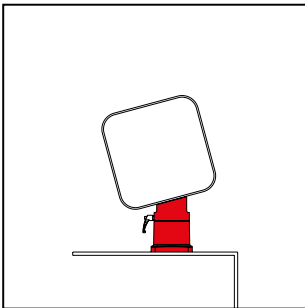
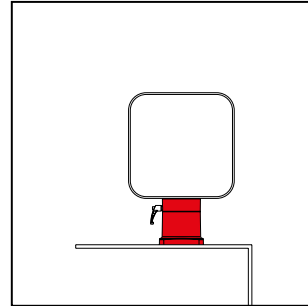
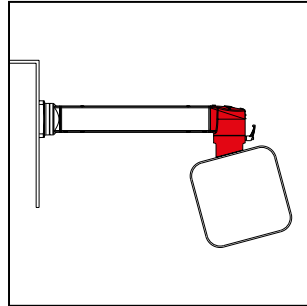
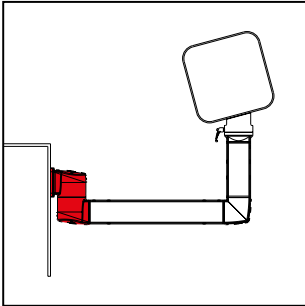
## Easy readjustment without dismantling the complete system








## One-man assembly without dismantling the complete system



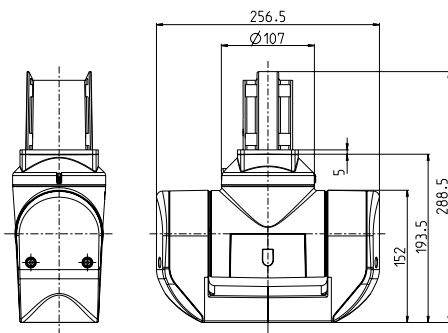
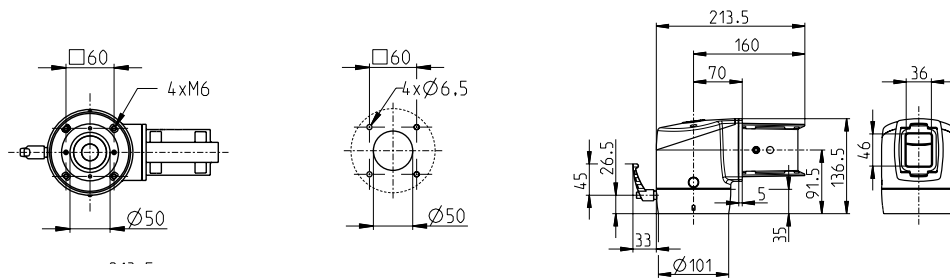
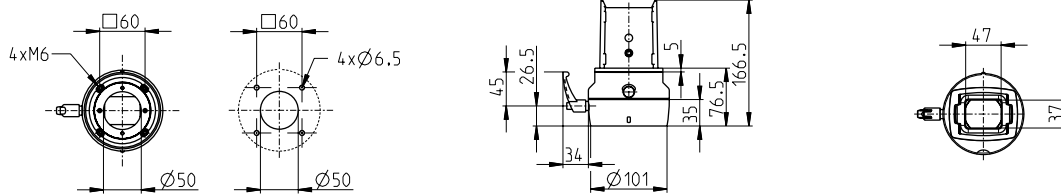
**Application examples CS-3000 suspension system –  
Wide range of configuration options**



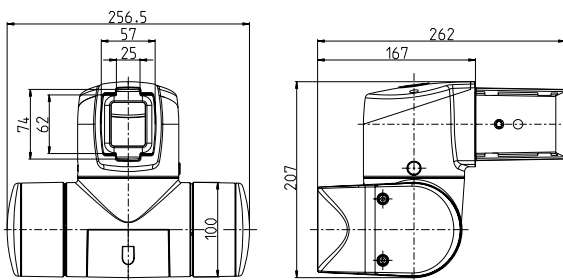
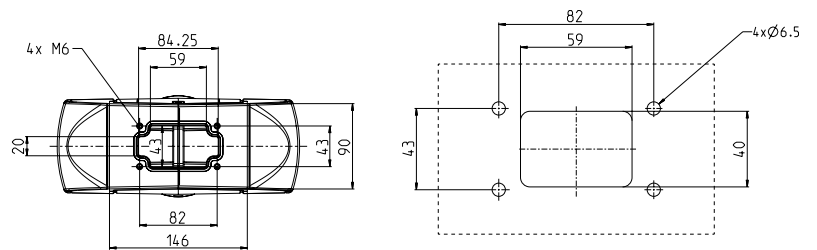
# SUSPENSION SYSTEM CS-3000

Article	Application example
	<p><b>Coupling</b>  <b>1015300177</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Adaptation to narrow enclosures &lt; 101 mm</li> <li>• Weight: 1450 g</li> </ul>
	<p><b>Elbow coupling</b>  <b>1015300178</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Mounting opening incl. screwed plastic cover</li> <li>• Weight: 2070 g</li> </ul>
	<p><b>Turn/tilt coupling S</b>  <b>1015300265</b> RAL 9006 white-aluminium (Tilt moment 50 Nm)  <b>1015300273</b> RAL 9006 white-aluminium for panel (reduced tilt moment 29 Nm)</p> <ul style="list-style-type: none"> <li>• For connecting panels / displays / IPC with screwed rear panel, adaptable mounting hole pattern</li> <li>• Rotation angle 300° with stop</li> <li>• Tilt angle with adjustable stop: +/- 105° (without attachments)</li> <li>• Screwed mounting opening, suitable for feed-through of DVI connectors</li> <li>• Weight: 4700 g</li> </ul>
	<p><b>Turn/tilt coupling W</b>  <b>1015300262</b> RAL 9006 white-aluminium (Tilt moment 50 Nm)  <b>1015300271</b> RAL 9006 white-aluminium for panel (reduced tilt moment 29 Nm)</p> <ul style="list-style-type: none"> <li>• For connecting panels / displays / IPC with screwed rear panel, adaptable mounting hole pattern</li> <li>• Rotation angle 300° with stop</li> <li>• Tilt angle with adjustable stop: +/- 105° (without attachments)</li> <li>• Screwed mounting opening, suitable for feed-through of DVI connectors</li> <li>• Weight: 5200 g</li> </ul>
	<p><b>Adapter plate VESA 75/100</b>  <b>9806000044</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• This is an extra element required for the turn/tilt coupling: for rear-side connection to panels / displays / IPC with VESA 75/100 hole pattern</li> <li>• Weight: 300 g</li> </ul>

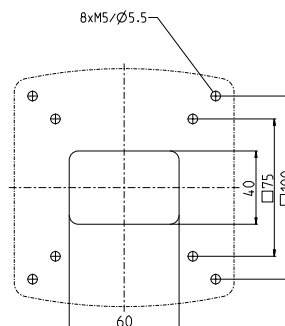
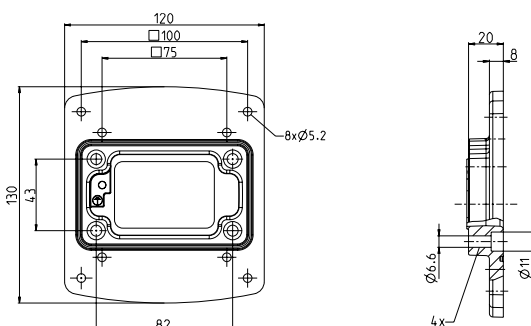
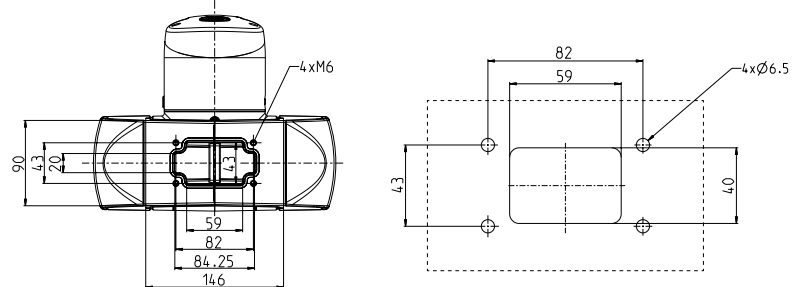
Dimensions in mm




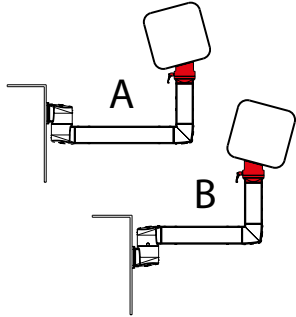

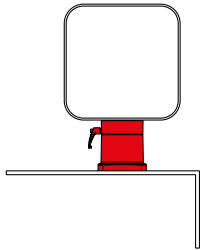

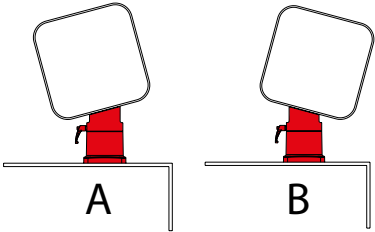

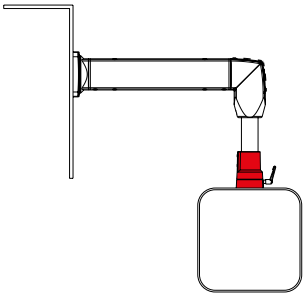
Connection diagram



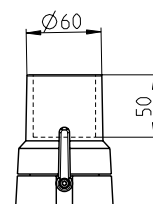
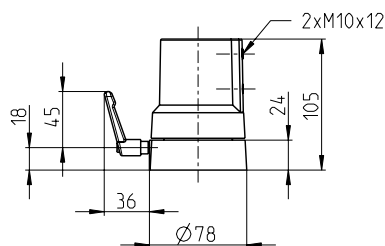
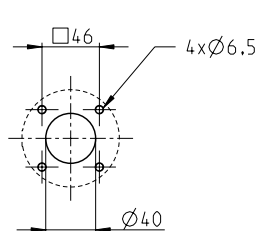
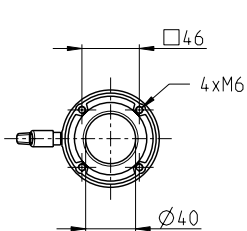
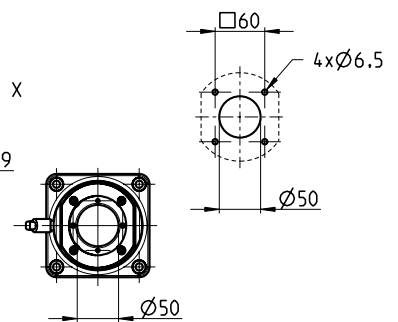
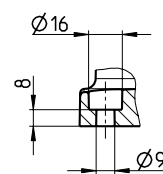
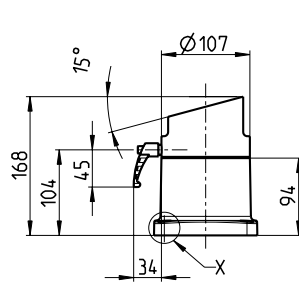
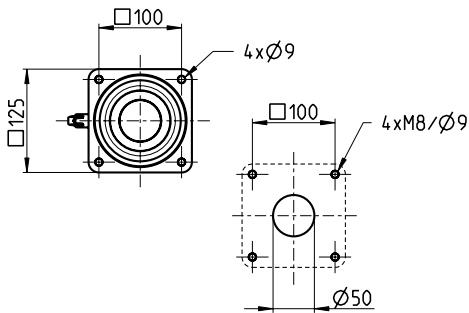
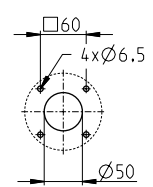
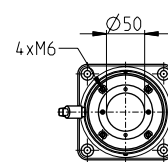
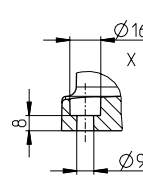
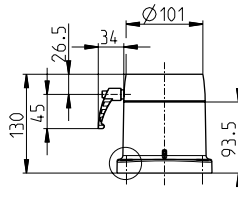
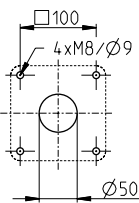
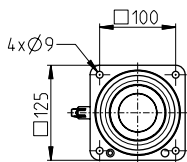
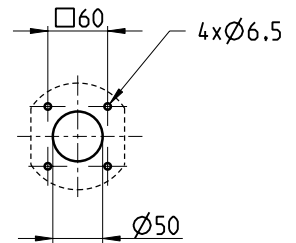
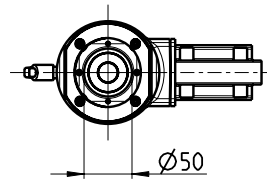
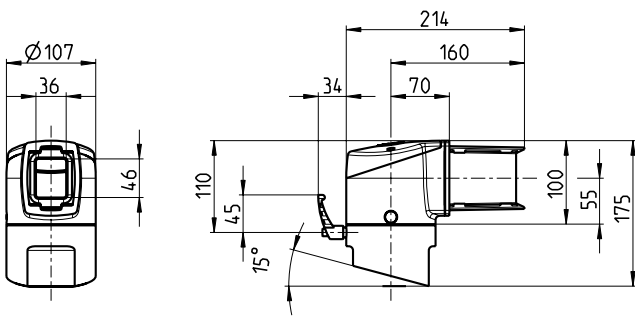
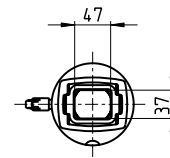
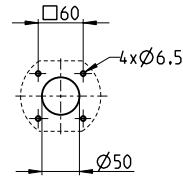
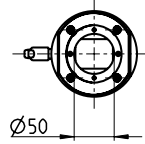
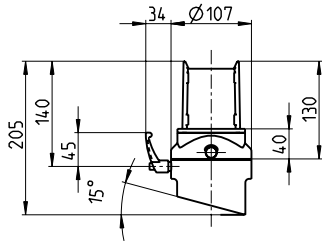
Connection diagram



# SUSPENSION SYSTEM CS-3000


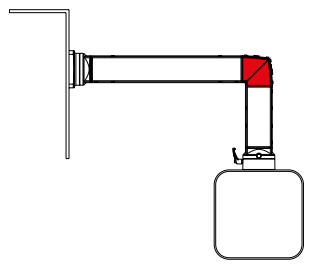

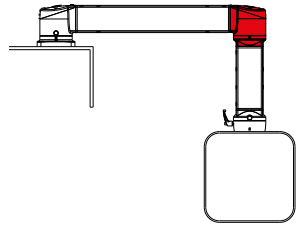

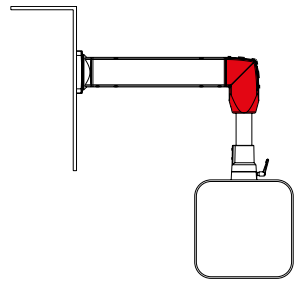

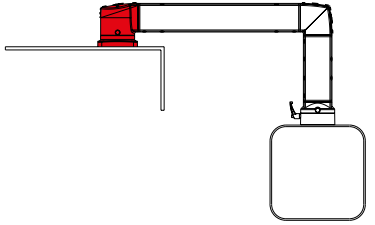

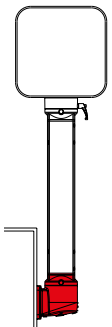
Article	Application example
	<p><b>Tilt coupling 15° A/B</b></p> <p><b>1015300179</b> A RAL 9006 white-aluminium  <b>1015300180</b> B RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Fixed inclination of 15° (variant A inclined to the rear – variant B inclined to the front)</li> <li>• Weight: 1680 g</li> </ul>
	
	<p><b>Tilt angle coupling 15° A/B</b></p> <p><b>1015300181</b> A RAL 9006 white-aluminium  <b>1015300182</b> B RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Fixed inclination of 15° (variant A inclined to the rear – variant B inclined to the front)</li> <li>• Installation opening incl. screwed plastic cover</li> <li>• Weight: 2160 g</li> </ul>
	
	<p><b>Stand coupling</b></p> <p><b>1015300183</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Weight: 2120 g</li> </ul>
	
	<p><b>Tilt stand coupling 15° A/B</b></p> <p><b>1015300184</b> A RAL 9006 white-aluminium  <b>1015300185</b> B RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Fixed inclination of 15° (variant A inclined to the rear – variant B inclined to the front)</li> <li>• Weight: 2340 g</li> </ul>
	
	<p><b>Coupling 48</b></p> <p><b>1013056000</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Only compatible with 48 mm round tubing</li> <li>• Weight: 1760 g</li> </ul>
	

Dimensions in mm

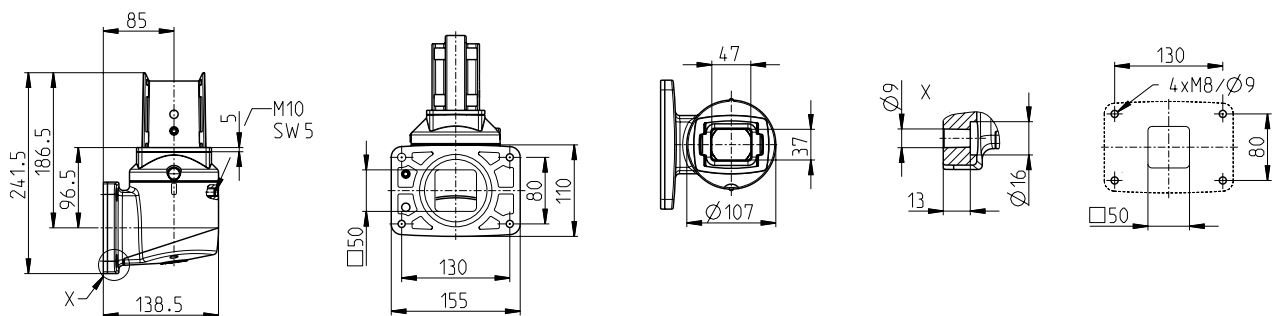
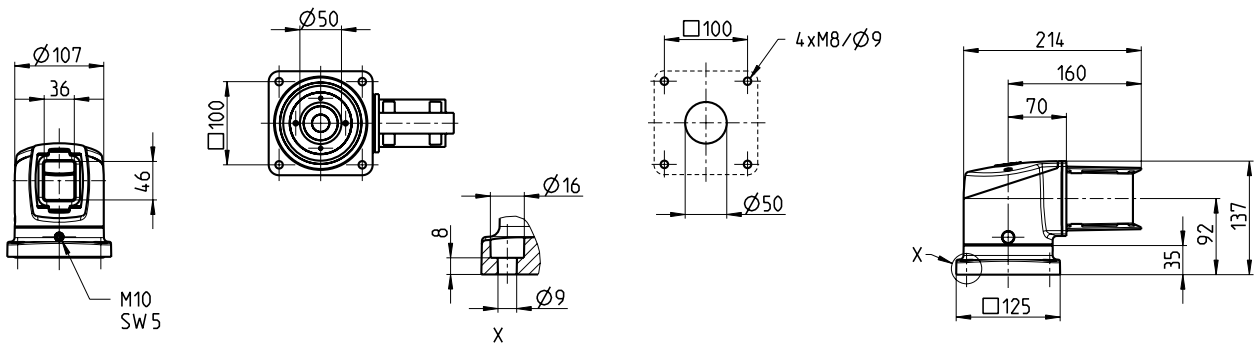
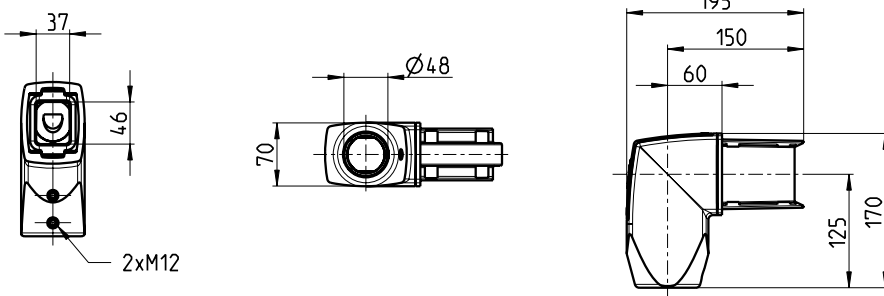
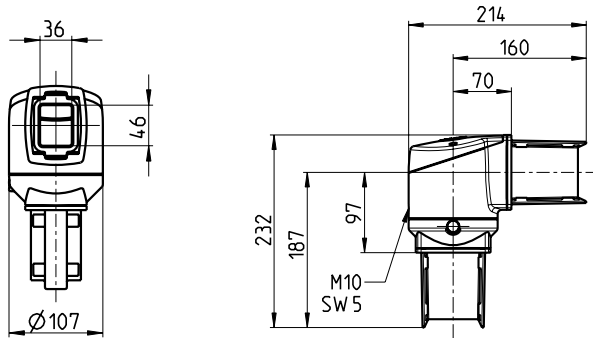
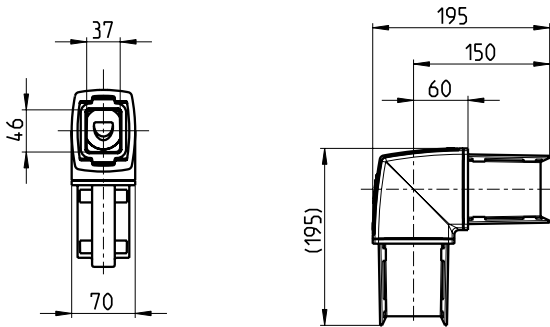





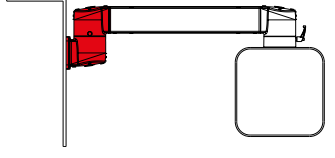

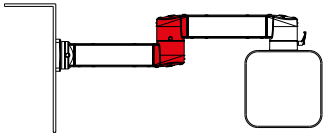

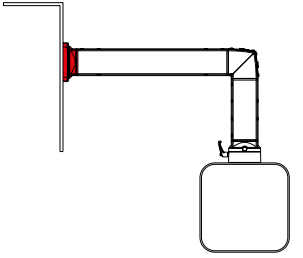

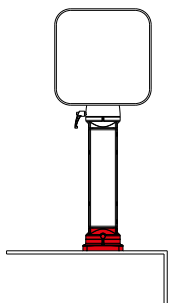

# SUSPENSION SYSTEM CS-3000

Article	Application example
 <p><b>Elbow</b>  <b>1015300195</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Installation opening incl. screwed plastic cover</li> <li>• Weight: 1680 g</li> </ul>	
 <p><b>Elbow rotatable</b>  <b>1015300196</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Installation opening incl. screwed plastic cover</li> <li>• Weight: 2460 g</li> </ul>	
 <p><b>Elbow reduced RD 48</b>  <b>1015300197</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Reduction elbow from the square tube to the 48 mm round tubing</li> <li>• Weight: 1920 g</li> </ul>	
 <p><b>Attachment joint</b>  <b>1015300198</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Installation opening incl. screwed plastic cover</li> <li>• Weight: 2250 g</li> </ul>	
 <p><b>Wall joint S</b>  <b>1015300199</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Installation opening including screw-fit plastic cover</li> <li>• Weight: 2449 g</li> </ul>	

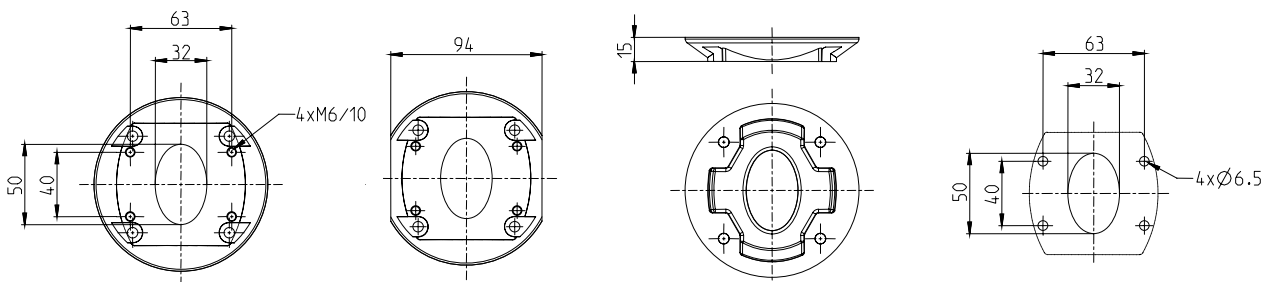
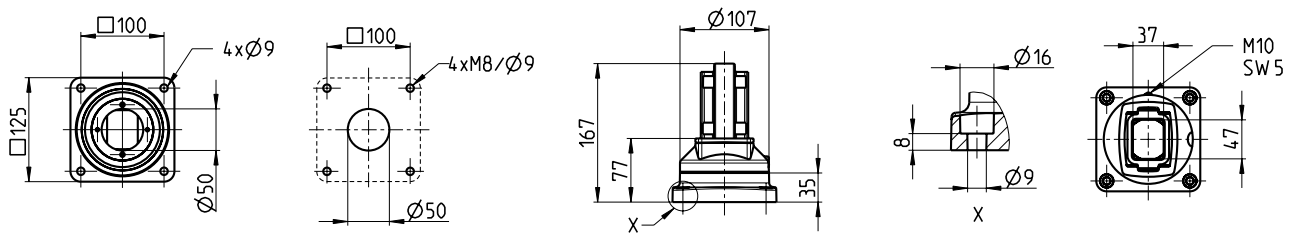
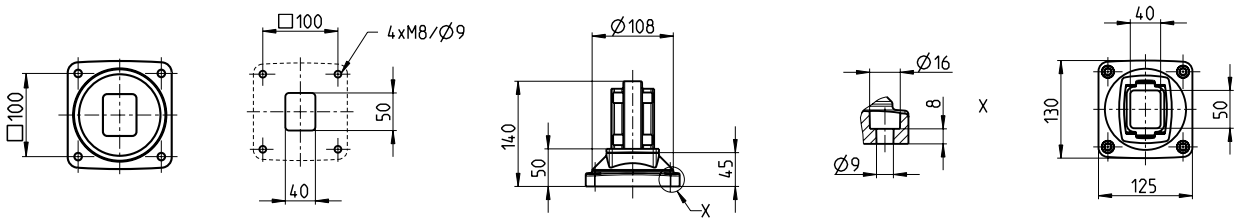
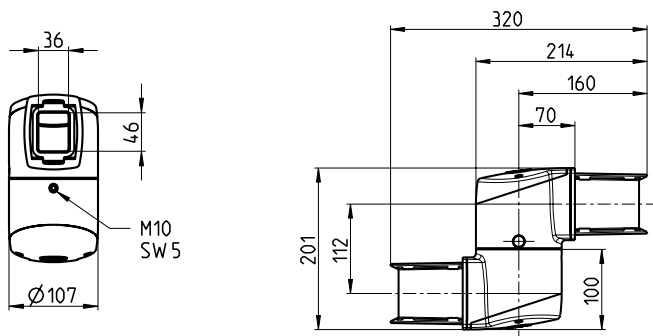
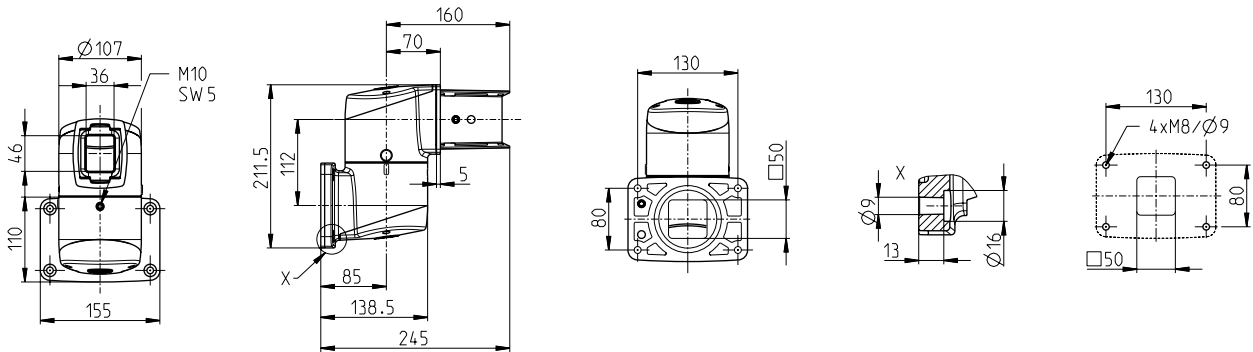
Dimensions in mm



# SUSPENSION SYSTEM CS-3000

Article	Application example
 <p><b>Wall joint W</b>  <b>1015300200</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• 2 installation openings incl. screwed plastic cover</li> <li>• Weight: 2930 g</li> </ul>	
 <p><b>Intermediate joint</b>  <b>1015300201</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• 2 installation openings incl. screwed plastic cover</li> <li>• Weight: 2940 g</li> </ul>	
 <p><b>Stand base / wall flange</b>  <b>1015300204</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Weight: 1300 g</li> </ul>	
 <p><b>Rotatable stand base</b>  <b>1015300205</b> RAL 9006 white-aluminium</p> <ul style="list-style-type: none"> <li>• Rotation angle 300° with stop</li> <li>• Weight: 1780 g</li> </ul>	
 <p><b>SIMATIC Pro® Adapter</b>  <b>9806942000</b> RAL 9006 - normal  <b>9806940000</b> RAL 9006 - tilted 15° A/B</p> <ul style="list-style-type: none"> <li>• Is used for the direct connection between Siemens <b>SIMATIC Pro® Displays and CS-3000 couplings and tilt couplings</b></li> <li>• Weight: 140 g</li> </ul>	

Dimensions in mm



# SUSPENSION SYSTEM CS-3000

Article	Application example
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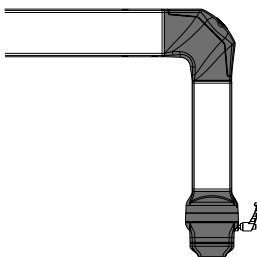
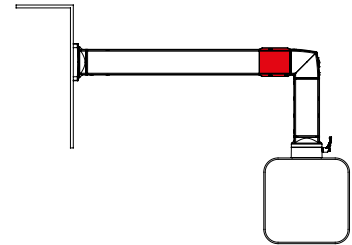


**Tube adapter**

**1015300208** RAL 9006 white-aluminium

- After shortening the tube, the adapter is screwed to the tube; the tube adapter is then fixed to the component and the system can be adjusted.
- Weight: 720 g

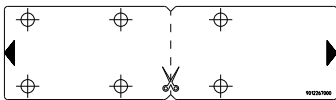
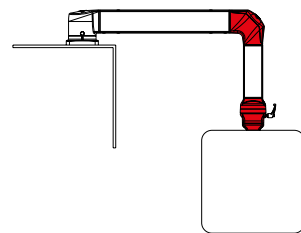
Attention: Always mount the tube adapter on the enclosure side, see application example!



**Adaption on narrow enclosures**

Connection to enclosures with widths < 101 mm in combination with the CS-3000 neXt suspension system;

Required components:  
Reducing elbow, coupling, adapter for narrow enclosures



**Drill label for special tube lengths**

**9012267000**

With the help of the self-adhesive drilling template, you can drill precisely in position. Simply select the appropriate tube profile and order the number of drilling templates required.



**Drilling jigs for special tube lengths**

**9806935000** Four-part set

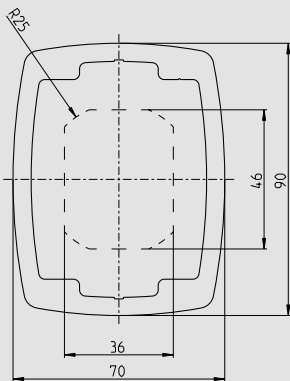
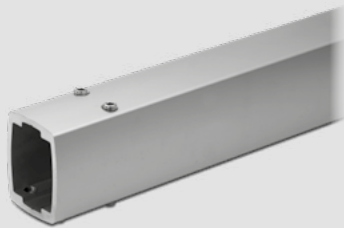
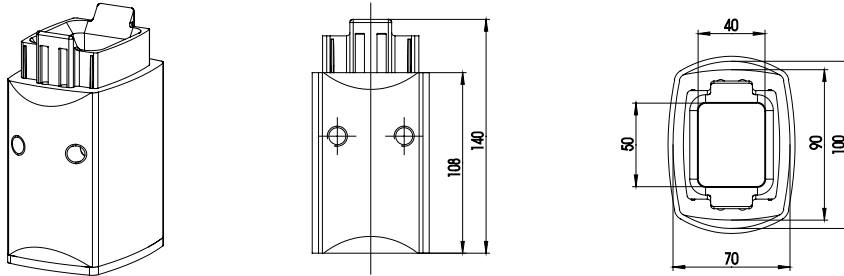
The drilling jigs are pushed onto the already shortened tube. The fixtures enable stable clamping without damage to the tube. The integrated drilling aids determine the position of the threaded holes and guide the drill.



**Quick adjustment ergo slide**  
see pages 108 ff.



**Stand base flexi-base**  
see pages 118 ff.

**Dimensions in mm**

**Tube profiles**

<b>Standard lengths</b> (available from stock)	<b>Article number</b>	<b>Weights in kg</b>
<b>Tube cross-section x Length</b>		
70 x 90 x 250 mm	<b>9524500001</b>	1.30
70 x 90 x 500 mm	<b>9524500002</b>	2.50
70 x 90 x 750 mm	<b>9524500003</b>	3.70
70 x 90 x 1000 mm	<b>9524500004</b>	5.00
70 x 90 x 1250 mm	<b>9524500005</b>	6.20
70 x 90 x 1500 mm	<b>9524500006</b>	7.50
70 x 90 x 1750 mm	<b>9524500007</b>	8.70
70 x 90 x 2000 mm	<b>9524500008</b>	10.00
<b>Tubes machined on one side</b> (machining templates supplied, available from stock)		
70 x 90 x 1000 mm	<b>9524500009</b>	5.00
70 x 90 x 2000 mm	<b>9524500010</b>	10.00

If one of our standard lengths is not sufficient, you can also ask for tubes machined on one side from us. Simply shorten to your desired length and process the shortened side using the enclosed template.