



BERNSTEIN Aluminium Suspension Systems **CS-3000 and CS-3000** *next*

Flexible, easy to assemble, ergonomic

Since 70 successful years – **always there for you**

The BERNSTEIN AG, headquartered on the banks of the River Weser in Porta Westfalica - the “Westfälische Pforte” (Westfalian Gate) between the Weser and Wiehengebirge mountains – looks back on an eventful past that is directly linked to Germany’s most recent history. In 1947 here Hans Bernstein founded the company “Hans Bernstein Spezialfabrik für Schaltkontakte”, from which the BERNSTEIN AG – today operates internationally – emerged. The family owned company is now in the third generation and today employs more than 500 people in 10 countries.

In-depth market knowledge, the close proximity to end users as well as years of experience in mechanical engineering and electronics are reflected down to the last detail in our products. Against this backdrop, BERNSTEIN ranks among the world’s leading providers of industrial safety and enclosure technology. With our comprehensive range of switches, sensors, enclosures and operator terminals and suspension systems, we offer our customers effective and versatile solutions. By conforming to international safety and machine guidelines, our products perfectly integrate in individual system solutions.

The evolution of the market is creating new driving forces that lead to continuous and innovative development. Bernstein meets these changing needs through the provision of superior technical expertise, excellent market knowledge and customer relationships built on trust. Customer Satisfaction is our number one priority. For us, Quality is more than making a good product: it’s about designing it to perfectly match all of your needs.



Your progress is our motivation.





Technically innovative. Personally specific. **Individually special – just like you.**

Customized Solutions are fully integrated into our business and form part of our everyday working life. Employees are treated as our greatest asset as they are responsible for the quality and success of our products. All BERNSTEIN TEAM members are trained and educated to the highest possible standard so they can deliver “Best in Class” Service and Support. The BERNSTEIN TEAM will support you both personally and professionally, working together we will provide you with the best Safe Solution – for any size of project.

Flexibility in operation and monitoring: The BERNSTEIN CS-3000 Family

In the main, system constructors expect modern suspension systems to feature variable configuration, progressive design and complete ease of installation. BERNSTEIN sets standards with the CS-3000 family: Modern industrial design, well-conceived ergonomics and multiple component combinations to create an innovative system solution on a modular principle.

Product features

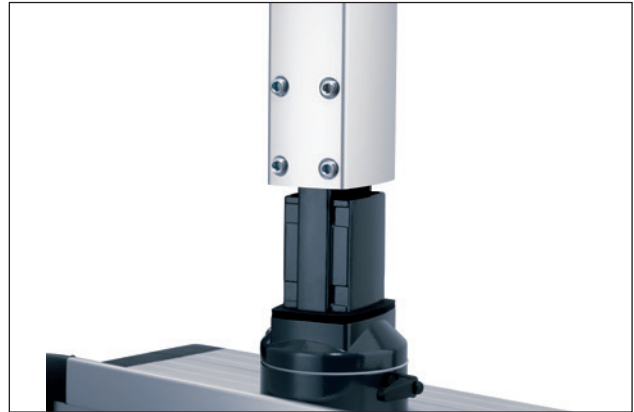
- Long service life and safe operation thanks to anodised aluminium tubes
- Clean lines, thanks to smooth transitions between the tube and system components (very easy to clean)
- Coated tube fastening screws for sealing the thread holes and secure connections
- Relative appearance and connection of narrow profiles thanks to the possibility of reducing the cross section from square to round tube
- Protection class IP65
- Modular flexible system lets you upgrade the couplings (also after installation), e.g. with adapters for slim enclosures or with tilt adapters
- Well designed ergonomics for simple and virtually fatigue free operation
- An ideal solution from a single source with BERNSTEIN control enclosures



Thanks to the particularly easy way the CS-3000 family components combine, assembly is quick and simple, which for the system builder means great time savings and cost reductions.



Smooth combination through an intelligent design for easy-cleaning



Additional connection security through component design at the mounting area



User friendly adjustment at any time – without disassembling the complete system



Simple cable routing even with large connectors

In addition to the 'clamping' connection of the tube fastening screws:

- Sixfold positive connection is achieved via component design in the tube attachment area (optional additional safety screw for vertical mounting is not required)
- One person can install the complete system
- Stepless adjustment of system alignment by means of the tube fastening screws
- Readjustment possible at any time without disassembling the complete system
- Cable and assembly access covers on all deflection points in the system
- Different tube lengths offer the possibility of variability in assembly
- Tubes machined at one end so that users can cut to required length (machining templates supplied)

Aluminium Suspension System

CS-3000^{neXt}

The CS-3000 neXt combines functionality with an appealing design. The new system is an important addition to the CS-3000 series, it is easy to clean and benefits from simplified installation, outstanding visual characteristics such as smooth transitions between tube and component and the high quality which BERNSTEIN is known for. The wide range of components, the high strength of the system and the load capacity provide individual solutions.



Product features

- Light-duty suspension system for lightweight control enclosures up to 80 kg with an extension arm length of 1 m
- Modular system for rapid implementation of individual solutions
- Maximum system length: 1.5 m
- Compatible with the CS-3000 series
- Panel couplings



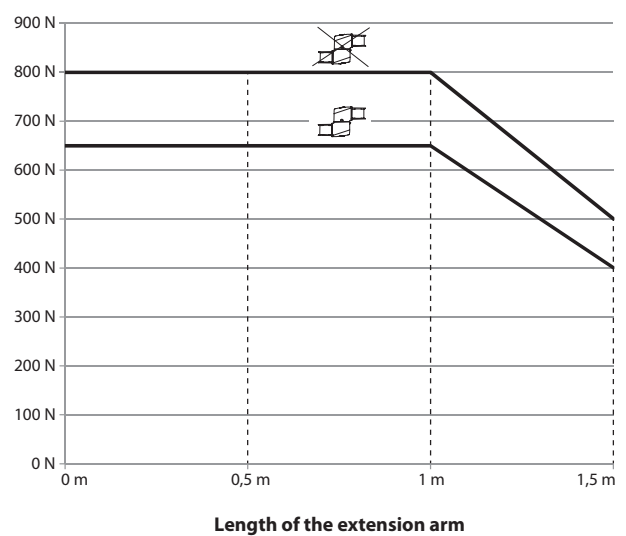
Materials

- Anodised aluminium profiles
- Components: Aluminium die cast
- Aluminium covers on installation openings
- Bearings: POM
- Seals: Neoprene

Colour

- Components: white aluminium (RAL 9006) or anthracite grey (RAL 7016)
- Tubes: Aluminium, naturally anodised
- Components and tubes can all be optionally powder-coated to a wide variety of RAL colours

Load diagram for static load capacity CS-3000~~next~~



Highlights

Reducing elbow

- For combination of the CS-3000 with the light-duty suspension system CS-3000 neXt
- Fields of application:
 - Higher loads / extension arm lengths by using CS-3000 in the horizontal plane
 - For connection of flat enclosures with narrow components and tubes by using CS-3000 neXt in the vertical plane



Turn/tilt coupling

- Allows the connection of panels / displays or IPC from above or below
- Angle of rotation 300° with stop, limitable by optional rotation angle segments
- Tilt angle with adjustable stop: +/-105°
- Screw-fixed installation opening, suitable for DVI connectors
- With an additional adapter plate for rear connection of panels / displays or IPC with fixed rear panels

Panel coupling

- For connection at the rear of displays / monitors with VESA
- For connection of flat control enclosures via the rear panel
- VESA flange size, hole pattern 75 and 100
- Suspension system attachment in vertical and horizontal version possible
- Individual colour combination of all components in accordance with RAL colours





Assembly

- Short assembly times and therefore extensive cost savings:
 - Slide the tube onto the component
 - Slightly press down
 - Tighten screws
- Cable and installation openings at all joints in the system
- Use of a DVI connector is possible

Function


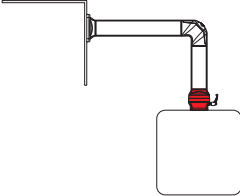
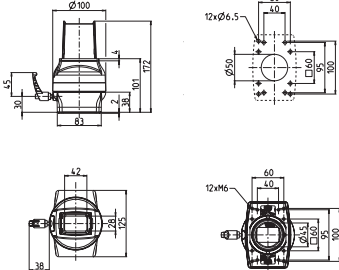

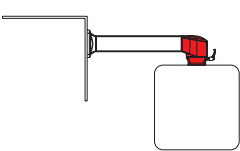
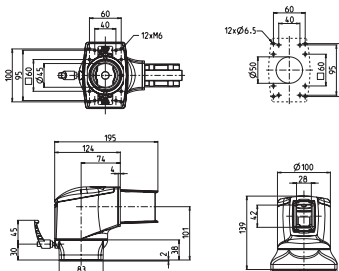

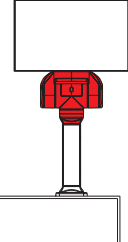
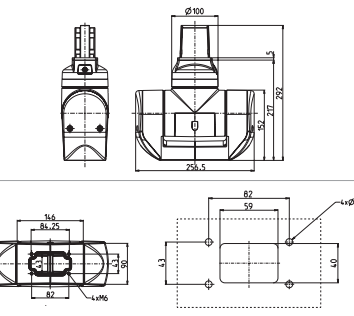

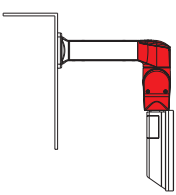
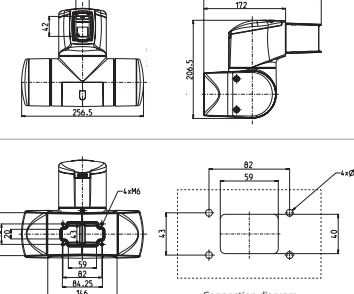

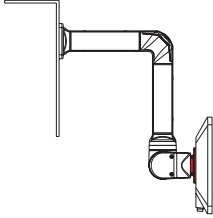
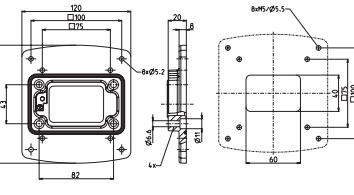
- Turning range of the rotary components: 300°
- Regulation of the rotation angle via swivel angle limiter

Tubes

- Standard lengths of 250 mm up to 1500 mm in 250 mm steps
- Machined tubes in special lengths

Ordering information

CS-3000_{next}


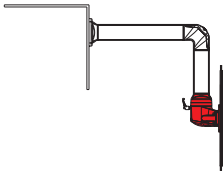
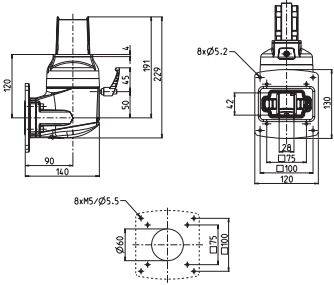

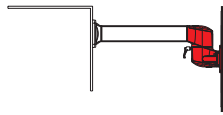
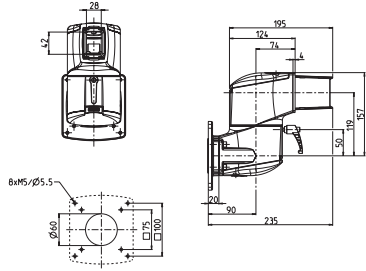

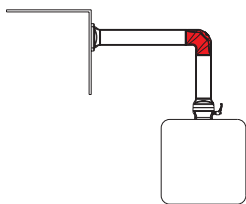
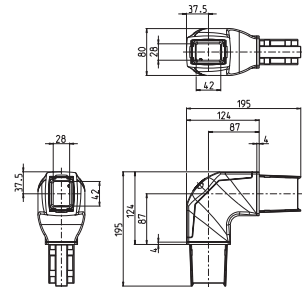

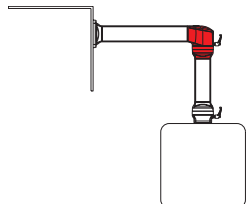
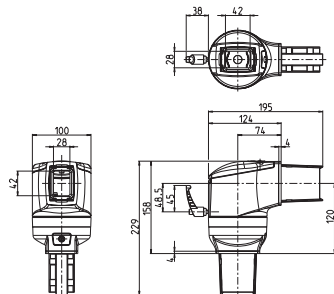

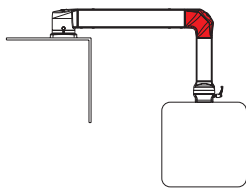
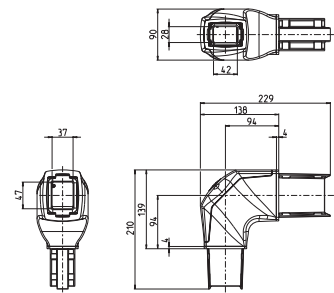
	Article	Application example	Dimensions in mm
	<p>Straight coupling</p> <p>1017300002 RAL 9006 white aluminium 1017300017 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Weight: 1630 g <p>(Adapter (narrow enclosures) is required for attachment to enclosures < 83 mm)</p>		
	<p>Elbow coupling</p> <p>1017300003 RAL 9006 white aluminium 1017300018 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Screw-fit installation opening • Weight: 2070 g 		
	<p>Turn/tilt coupling S</p> <p>1017300072 RAL 9006 white aluminium 1017300073 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • For connecting panels / displays / IPC with screw-fixed rear panel, fixing hole pattern flexible • Angle of rotation 300° with stop • Tilt angle with adjustable stop: +/-105° (without attachments) • Screw-fixed installation opening, suitable for DVI connectors • Weight: 4600 g 		 <p>Connection diagram</p>
	<p>Turn/tilt coupling W</p> <p>1017300070 RAL 9006 white aluminium 1017300071 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • For connecting panels / displays / IPC with screw-fixed rear panel, fixing hole pattern flexible • Angle of rotation 300° with stop • Tilt angle with adjustable stop: +/-105° (without attachments) • Screw-fixed installation opening, suitable for DVI connectors • Weight: 5100 g 		 <p>Connection diagram</p>
	<p>Adapter plate VESA 75/100</p> <p>9806000044 RAL 9006 white aluminium 9806000045 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • All that will be needed (in addition for the turn/tilt coupling) to connect with panels / displays / IPC to the rear side with VESA 75/100 hole pattern • Weight: 300 g 		

Ordering information



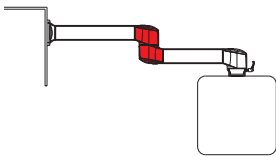
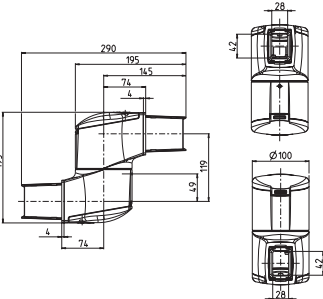
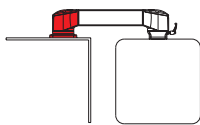
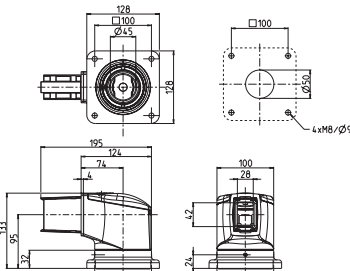
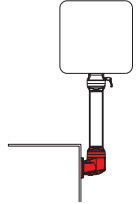
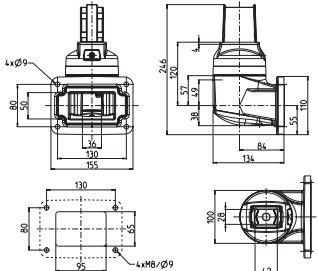
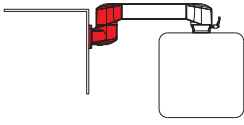
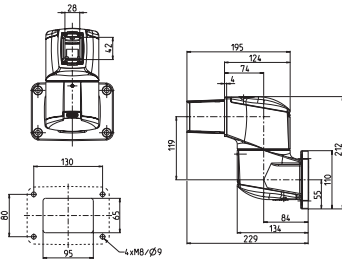
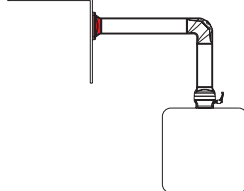
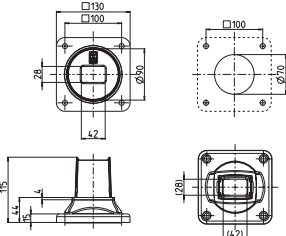
CS-3000
neXt

CAD files available
at www.bernstein.eu

Article	Application example	Dimensions in mm
 <p>Panel coupling S 1017300004 RAL 9006 white aluminium 1017300019 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> For attachments to the rear of panels / displays or control enclosures with screw-fit rear panel Standard hole pattern VESA 75/100 Angle of rotation 300° with stop Screw-fit installation opening Weight: 2530 g 		
 <p>Panel coupling W 1017300005 RAL 9006 white aluminium 1017300020 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> For attachments to the rear of panels / displays or control enclosures with screw-fit rear panel Standard hole pattern VESA 75/100 Angle of rotation 300° with stop Screw-fit installation opening Weight: 2970 g 		
 <p>Elbow 1017300007 RAL 9006 white aluminium 1017300022 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Screw-fit installation opening Weight: 1250 g 		
 <p>Elbow, rotary 1017300008 RAL 9006 white aluminium 1017300023 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Angle of rotation 300° with stop Screw-fit installation opening Weight: 2320 g 		
 <p>Reducing elbow 1017300009 RAL 9006 white aluminium 1017300024 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Elbow coupling for combination of CS-3000 neXt and CS-3000 suspension systems Screw-fit installation opening Weight: 1770 g 		

Ordering information

CS-3000
next



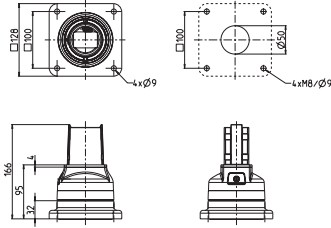

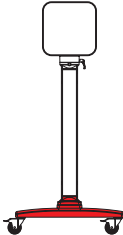
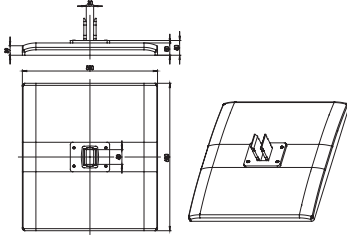

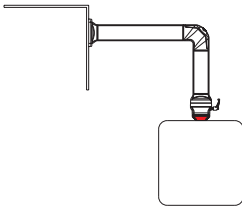
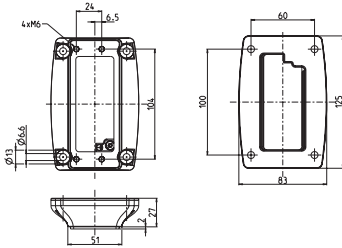
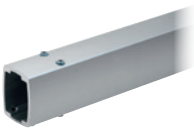
Article	Application example	Dimensions in mm
Intermediate joint 1017300010 RAL 9006 white aluminium 1017300025 RAL 7016 anthracite grey <ul style="list-style-type: none"> • Angle of rotation 300° with stop • 2 screw-fit installation openings • Weight: 2740 g 		
Top joint 1017300014 RAL 9006 white aluminium 1017300029 RAL 7016 anthracite grey <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Screw-fit installation opening • Weight: 2200 g 		
Wall joint S 1017300011 RAL 9006 white aluminium 1017300026 RAL 7016 anthracite grey <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Screw-fit installation opening • Weight: 2490 g 		
Wall joint W 1017300012 RAL 9006 white aluminium 1017300027 RAL 7016 anthracite grey <ul style="list-style-type: none"> • Angle of rotation 300° with stop • 2 screw-fit installation openings • Weight: 2930 g 		
Base / wall flange 1017300015 RAL 9006 white aluminium 1017300030 RAL 7016 anthracite grey <ul style="list-style-type: none"> • Weight: 830 g 		

Ordering information



CS-3000_{next}

**CAD files available
at www.bernstein.eu**

Article	Application example	Dimensions in mm
 <p>Base, rotary</p> <p>1017300013 RAL 9006 white aluminium 1017300028 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Angle of rotation 300° with stop Weight: 1770 g 		
 <p>Large free-standing base</p> <p>1017300068 RAL 9006 white aluminium 1017300069 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Weight: 11660 g 		
 <p>Adapter (narrow enclosures)</p> <p>1017300001 RAL 9006 white aluminium 1017300016 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Only to be used together with couplings For attachment to narrow enclosures with depths < 83 mm Weight: 300 g 		
 <p>Tube profiles</p>	<p>see page 22</p>	

Aluminium Suspension System CS-3000



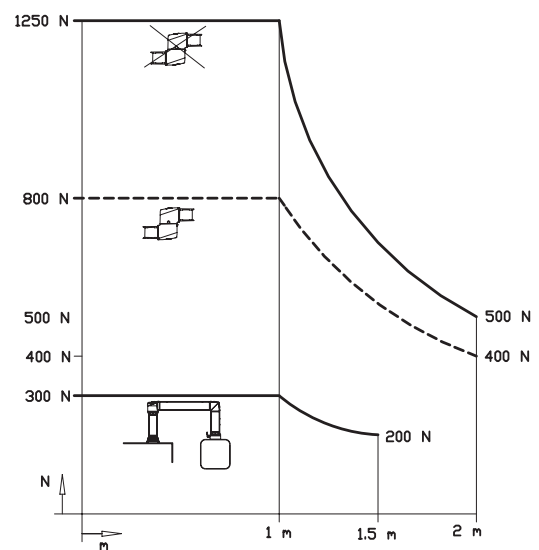
Materials

- Anodised aluminium profiles
- Components: Aluminium die cast
- Component cover plates: Polyamide
- Bearings: POM
- Seals: Neoprenen

Colour

- Components: white aluminium (RAL 9006) or anthracite grey (RAL 7016)
- Connecting tubes: silver (natural) anodised

Load diagram for static load capacity CS-3000


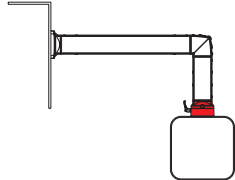
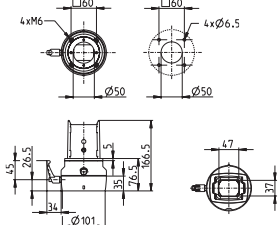

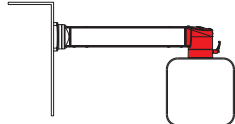
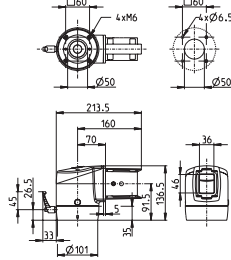

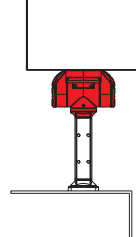
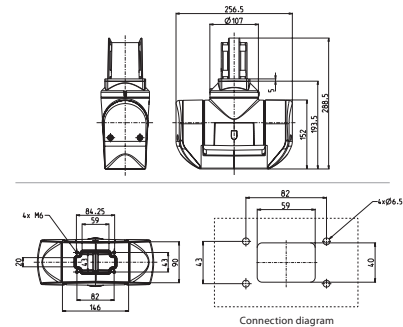

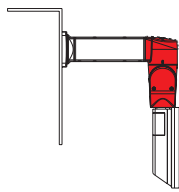
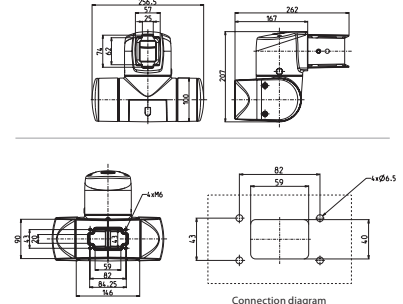

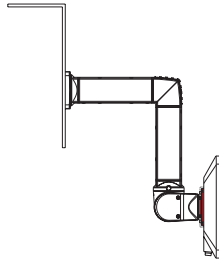
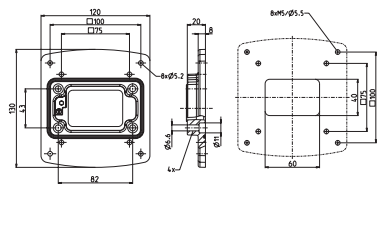


Ordering information




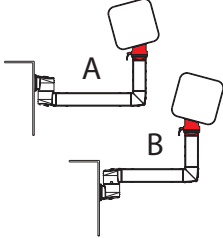
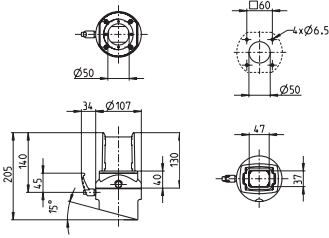

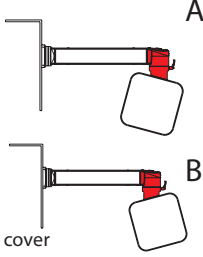
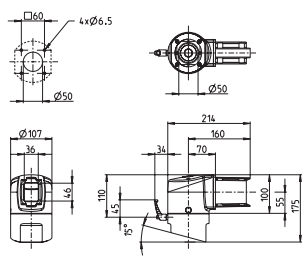

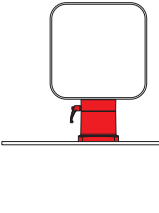
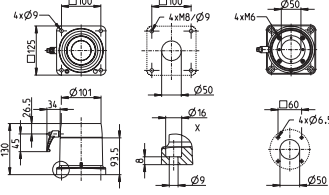

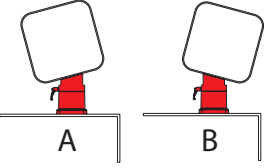
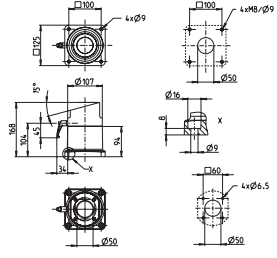

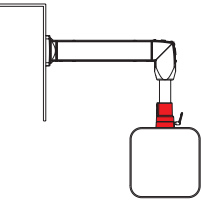
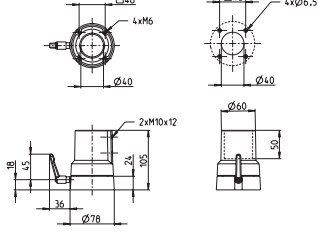
CS-3000

CAD files available
at www.bernstein.eu

Article	Application example	Dimensions in mm
 <p>Straight coupling</p> <p>1015300177 RAL 9006 white aluminium 1015300001 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Angle of rotation 300° with stop Adaption on narrow enclosures < 101 mm see page 19 Weight: 1450 g 		
 <p>Elbow coupling</p> <p>1015300178 RAL 9006 white aluminium 1015300002 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Angle of rotation 300° with stop Installation opening including screw-fit plastic cover Weight: 2070 g 		
 <p>Turn/tilt coupling S</p> <p>1015300265 RAL 9006 white aluminium 1015300266 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> For connecting panels / displays / IPC with screw-fixed rear panel, fixing hole pattern flexible Angle of rotation 300° with stop Tilt angle with adjustable stop: +/-105° (without attachments) Screw-fixed installation opening, suitable for DVI connectors Weight: 4700 g 		 <p>Connection diagram</p>
 <p>Turn/tilt coupling W</p> <p>1015300262 RAL 9006 white aluminium 1015300263 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> For connecting panels / displays / IPC with screw-fixed rear panel, fixing hole pattern flexible Angle of rotation 300° with stop Tilt angle with adjustable stop: +/-105° (without attachments) Screw-fixed installation opening, suitable for DVI connectors Weight: 5200 g 		 <p>Connection diagram</p>
 <p>Adapter plate VESA 75/100</p> <p>9806000044 RAL 9006 white aluminium 9806000045 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> All that will be needed (in addition for the turn/tilt coupling) to connect with panels / displays / IPC to the rear side with VESA 75/100 hole pattern Weight: 300 g 		

Ordering information

CS-3000


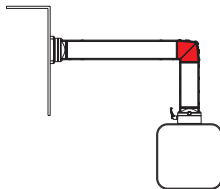
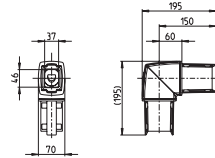

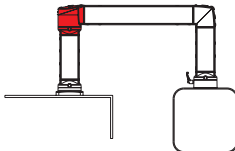
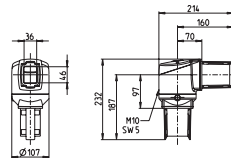

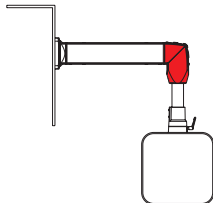
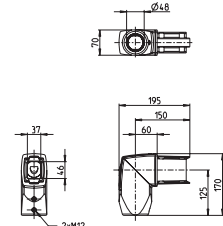

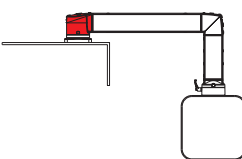
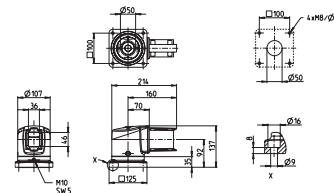

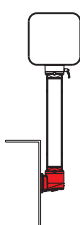
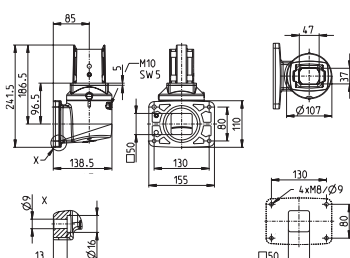
	Article	Application example	Dimensions in mm
	<p>Tilt coupling 15° A/B</p> <p>1015300179 A RAL 9006 white aluminium 1015300013 A RAL 7016 anthracite grey 1015300180 B RAL 9006 white aluminium 1015300014 B RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Fixed tilt of 15° (variant A tilted back – variant B tilted forward) • Weight: 1680 g 		
	<p>Tilt elbow coupling 15° A/B</p> <p>1015300181 A RAL 9006 white aluminium 1015300015 A RAL 7016 anthracite grey 1015300182 B RAL 9006 white aluminium 1015300016 B RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Fixed tilt of 15° (variant A tilted back – variant B tilted forward) • Installation opening including screw-fit plastic cover • Weight: 2160 g 		
	<p>Base coupling</p> <p>1015300183 RAL 9006 white aluminium 1015300017 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Weight: 2120 g 		
	<p>Tilt base coupling 15° A/B</p> <p>1015300184 A RAL 9006 white aluminium 1015300018 A RAL 7016 anthracite grey 1015300185 B RAL 9006 white aluminium 1015300019 B RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Fixed tilt of 15° (variant A tilted back – variant B tilted forward) • Weight: 2340 g 		
	<p>Straight coupling 48</p> <p>1013056000 RAL 9006 white aluminium 1013050000 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Only compatible with 48 mm round tube • Weight: 1760 g <p>(Adapter 9806520000 is required for attachment to 80 mm section, see page 21)</p>		

Ordering information




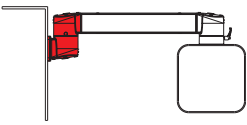
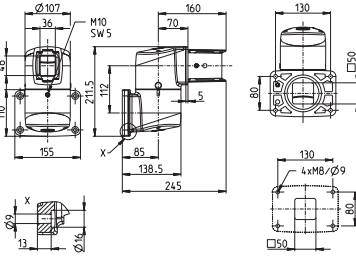

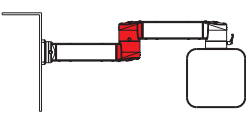
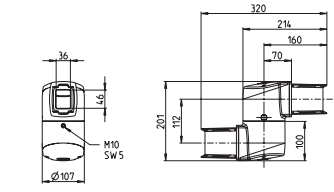
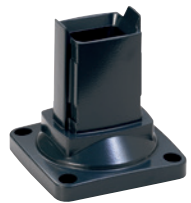
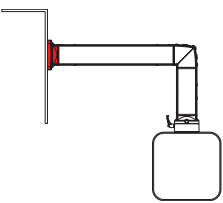
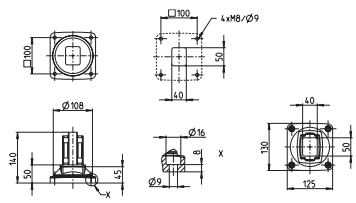

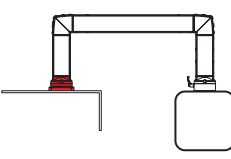
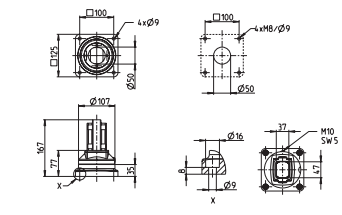

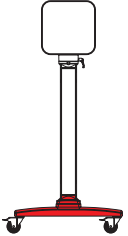
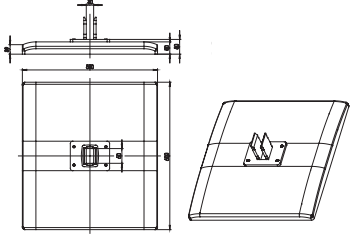
CS-3000

CAD files available
at www.bernstein.eu

	Article	Application example	Dimensions in mm
	Elbow 1015300195 RAL 9006 white aluminium 1015300008 RAL 7016 anthracite grey		
	<ul style="list-style-type: none"> • With installation opening including screw-fit plastic cover • Weight: 1680 g 		
	Elbow, rotary 1015300196 RAL 9006 white aluminium 1015300009 RAL 7016 anthracite grey		
	<ul style="list-style-type: none"> • Angle of rotation 300° with stop • Installation opening including screw-fit plastic cover • Weight: 2460 g 		
	Elbow, reduced RD 48 1015300197 RAL 9006 white aluminium 1015300020 RAL 7016 anthracite grey		
	<ul style="list-style-type: none"> • Reducer elbow from the square tube to 48 mm round tube • Weight: 1920 g 		
	Top joint 1015300198 RAL 9006 white aluminium 1015300003 RAL 7016 anthracite grey		
	<ul style="list-style-type: none"> • Angle of rotation 300° with stop • Installation opening including screw-fit plastic cover • Weight: 2250 g 		
	Wall joint S 1015300199 RAL 9006 white aluminium 1015300006 RAL 7016 anthracite grey		
	<ul style="list-style-type: none"> • Angle of rotation 300° with stop • Installation opening including screw-fit plastic cover • Weight: 2450 g 		

Ordering information

CS-3000


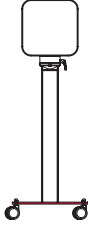
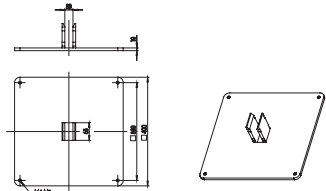

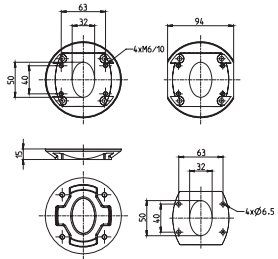

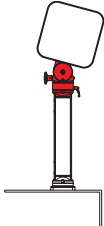
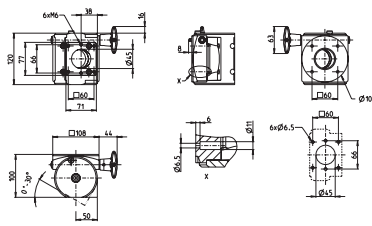
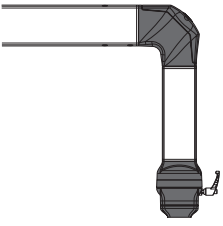
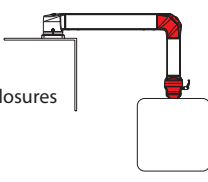

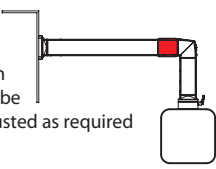
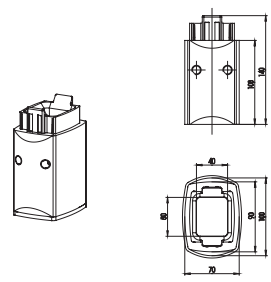
	Article	Application example	Dimensions in mm
	<p>Wall joint W</p> <p>1015300200 RAL 9006 white aluminium 1015300007 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • 2 installation openings including screw-fit plastic covers • Weight: 2930 g 		
	<p>Intermediate joint</p> <p>1015300201 RAL 9006 white aluminium 1015300004 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • 2 installation openings including screw-fit plastic covers • Weight: 2940 g 		
	<p>Base / wall flange</p> <p>1015300204 RAL 9006 white aluminium 1015300010 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Weight: 1300 g 		
	<p>Base, rotary</p> <p>1015300205 RAL 9006 white aluminium 1015300005 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Angle of rotation 300° with stop • Weight: 1780 g 		
	<p>Large free-standing base</p> <p>1015300206 RAL 9006 white aluminium 1015300027 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> • Weight: 11660 g 		

Ordering information



CS-3000

CAD files available
at www.bernstein.eu

Article	Application example	Dimensions in mm
 <p>Small free-standing base 1015300207 RAL 9006 white aluminium 1015300028 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Weight: 13220 g 		
 <p>SIMATIC Pro® Adapter 9806942000 RAL 9006 - normal 9806941000 RAL 7016 - normal 9806940000 RAL 9006 - tilted 15° A/B 9806939000 RAL 7016 - tilted 15° A/B</p> <ul style="list-style-type: none"> Is used for the direct connection between Siemens SIMATIC Pro® Displays and CS-3000 couplings and tilt couplings Weight: 140 g 		
 <p>Tilt adapter (30° infinitely variable) 1015300193 RAL 9006 white aluminium 1015300012 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Infinitely variable tilt up to 30° Maximum load max. 300 N Weight: 1840 g 		
 <p>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 see page 10 onwards</p>		
 <p>Tube adapter 1015300208 RAL 9006 white aluminium 1015300039 RAL 7016 anthracite grey</p> <ul style="list-style-type: none"> Once the tube had been shortened, the adapter can be screwed to the tube. The tube adapter can then be fixed to the component and the system can be adjusted as required Weight: 720 g <p>Attention: Install the tube adapter only onto the housing side, see application example!</p>		

Tube profiles: see page 22

Vertically adjustable module

CS-3000 HV

The vertically adjustable suspension system CS-3000 HV allows users of all sizes to work in an ergonomic manner. The gas-filled damper system supports the user while the height is being raised or lowered and prevents it from dropping suddenly after the clamping lever is released. A high level of operating convenience and ease of installation is guaranteed by the interior cable ducting.



Art. No. 101.5300.022	CS-3000 HV 1000/100
Art. No. 101.5300.023	CS-3000 HV 800/100
Art. No. 101.5300.029	CS-3000 HV 1000/150
Art. No. 101.5300.030	CS-3000 HV 800/150
Art. No. 101.5300.031	CS-3000 HV 1000/200
Art. No. 101.5300.032	CS-3000 HV 800/200
Art. No. 101.5300.033	CS-3000 HV 1000/300
Art. No. 101.5300.034	CS-3000 HV 800/300

Explanation: Designation **CS-3000 HV 800/100**

Vertically adjustable system

Length of square tube

Force of gas pressure spring
in Newtons [N]

Height adjustment 250 mm

Coupling 48, stand base or mounting bracket and enclosure are not included in the scope of delivery.

Selection parameters

- The selection of the size of the gas pressure spring depends on the total weight and the ambient temperature
- The total weight is calculated from:
Enclosure + installed equipment +
coupling components

Ambient temperature	40 °C	100 N (6 – 11 kg)	150 N (11 – 19 kg)	200 N (19 – 29 kg)	300 N (29 – 39 kg)
	30 °C	100 N (5,5 – 10,5 kg)	150 N (10,5 – 18 kg)	200 N (18 – 27,5 kg)	300 N (27,5 – 37 kg)
	20 °C	100 N (5 – 10 kg)	150 N (10 – 17 kg)	200 N (17 – 26 kg)	300 N (26 – 35 kg)
Gas pressure spring force / total weight					

Article



Swivel angle limiter CS-3000

9805296000

- Swivel angle limiter for coupling and joint components
- Adjustable in steps of 13.7°
- Contains ten Ø 10 mm steel balls

Article



Swivel angle limiter CS-3000 neXt

9806906000

- Swivel angle limiter for coupling and joint components
- Adjustable in steps of 30°
- Contains 6 swivel angle limiter

Equipment castors

9808015300



- Set of castors, consisting of 4 swivel wheels, including 2 with brake
- Complete with installation instructions
- Load-bearing capacity of each castor 70 kg
- Construction height 90 mm
- Castors Ø 75 mm

Industrial castors

9808012800



- Set of castors, consisting of 4 swivel wheels
- Complete with installation material and instructions
- Load-bearing capacity of each castor 50 kg
- Construction height 100 mm
- Castors Ø 75 mm

Floor anchoring

9808014100



- Floor fixing kit consists of 4 mounting brackets for the large stand
- Complete with installation material and instructions

Levelling feet

9808012900



- Height-adjustable feet
1 set = 4 pieces
- Complete with installation material and instructions
- Adjustable construction height approx. 37-50 mm

Signal lamp adapter

CS-3000

9805317000 for joint components

9805318000 for elbow components

CS-3000 neXt

9805400000 for joint components

9805401000 for elbow components

9805402000 Reducing elbow

- For connecting commercially available 25 mm diameter signal lamps



Adapter plates

9806678000 RAL 7016 anthracite grey

- For connecting adapter flange to coupling 48

9806520000 RAL 7016 anthracite grey

- Required together with coupling RD 48 for attachment to CC-4000 section 80



Setscrew

CS-3000

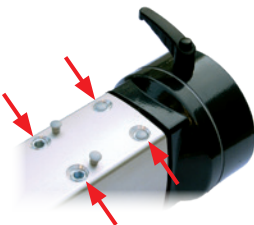
9263077000

- Setscrew ISO 4029, M12 x 12 mm with hexagon socket

CS-3000 neXt

9263096000

- Setscrew ISO 4029, M10 x 10 mm with hexagon socket



Screw cover set

CS-3000

9806590000

CS-3000 neXt

9806000028

- Plastic sealing caps (colour similar to RAL 9006) for use with set screws
- Set of 50



Adapter flange

1016896000 RAL 9006 white aluminium

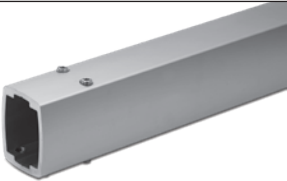
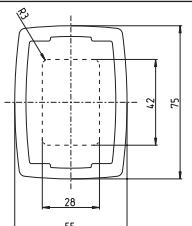
1016897000 RAL 7016 anthracite grey

- For large enclosures with door section and / or keyboard


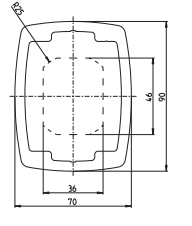


Tubes

CS-3000 neXt Aluminium connection section

	Standard lengths (available from stock)	Article number	Weights in kg	Tube cross sections
	Tube cross-sections x Length			
	55 x 75 x 250 mm	9524700001	0.90	
	55 x 75 x 500 mm	9524700002	1.70	
	55 x 75 x 750 mm	9524700003	2.60	
	55 x 75 x 1000 mm	9524700004	3.40	
	55 x 75 x 1250 mm	9524700005	4.30	
	55 x 75 x 1500 mm	9524700006	5.20	

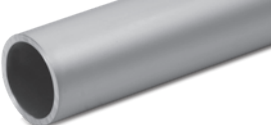
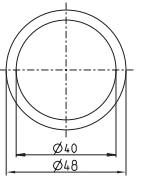
CS-3000 Aluminium connection section

	Tube cross-sections x Length			
	70 x 90 x 250 mm	9524500001	1.30	
	70 x 90 x 500 mm	9524500002	2.50	
	70 x 90 x 750 mm	9524500003	3.70	
	70 x 90 x 1000 mm	9524500004	5.00	
	70 x 90 x 1250 mm	9524500005	6.20	
	70 x 90 x 1500 mm	9524500006	7.50	
	70 x 90 x 1750 mm	9524500007	8.70	
	70 x 90 x 2000 mm	9524500008	10.00	
Tubes machined at one end (machining templates supplied, available from stock)				
	70 x 90 x 1000 mm	9524500009	5.00	
	70 x 90 x 2000 mm	9524500010	10.00	
If one of our standard lengths does not suit your requirements, we can also supply tubes machined at one end. Simply shorten to the required length and use the supplied template to machine the shortened end.				

CS-3000 neXt

Round aluminium tubing

Round aluminium tubes are available in different lengths. We can also supply completely machined tubes to the length you require. (Prices and delivery time on request)

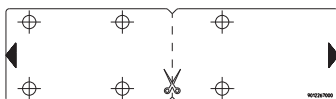
	Diameter x Wall thickness x Length			
	48 x 4 x 250 mm	9521400000	0.40	
	48 x 4 x 500 mm	9521401000	0.80	
	48 x 4 x 750 mm	9521402000	1.10	
	48 x 4 x 1000 mm	9521403000	1.50	

Special tube lengths

Machined tubes to required lengths

We can also supply completely machined tubes to the length you require (price and delivery time on request).

Drilling label for special tube lengths



Using the template, bore the holes in the exact positions.

Choose the appropriate connection section and order the number of drilling templates required.

CS-3000 9012267000

CS-3000 neXt 9012328000

Drilling jigs for special tube lengths



Once the tube has been cut to its desired length, drilling jigs can be fitted. The jigs ensure a stable base and help prevent tube damaged. The integrated drill bushes specify the location of the threaded holes and guide the drill.

CS-3000 (Four-part set) 9806935000

CS-3000 neXt (Three-part set) 9806936000

Tube adapter for CS-3000 for special lengths without tube preparation



Once the tube had been shortened, the adapter can be screwed to the tube. The tube adapter can then be fixed to the component and the system can be adjusted as required.

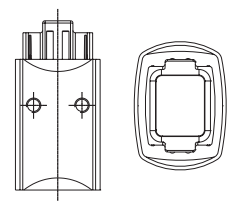
Attention:

Install the tube adapter only onto the housing side, see application example on page 19!

Additional information is also available on page 19.

RAL 9006 white aluminium 1015300208 0.70

RAL 7016 anthracite grey 1015300039 0.70



**DETECT****We make
safety happen.****PROTECT****We keep safe
your visions.**

Contact

International Headquarters BERNSTEIN AG

Hans-Bernstein-Str. 1
D-32457 Porta Westfalica
Phone +49 571 793-0
Fax +49 571 793-555
info@de.bernstein.eu
www.bernstein.eu

Denmark

BERNSTEIN A/S
Phone +45 7020 0522
Fax +45 7020 0177
info@dk.bernstein.eu

France

BERNSTEIN S.A.R.L.
Phone +33 1 64 66 32 50
Fax +33 1 64 66 10 02
info@fr.bernstein.eu

Italy

BERNSTEIN S.r.l.
Phone +39 035 4549037
Fax +39 035 4549647
info@it.bernstein.eu

United Kingdom

BERNSTEIN Ltd
Phone +44 1922 744999
Fax +44 1922 457555
info@uk.bernstein.eu

Austria

BERNSTEIN GmbH
Phone +43 2256 62070-0
Fax +43 2256 62618
info@at.bernstein.eu

Switzerland

BERNSTEIN (Schweiz) AG
Phone +41 44 775 71-71
Fax +41 44 775 71-72
info@ch.bernstein.eu

Hungary

BERNSTEIN Kft.
Phone +36 1 4342295
Fax +36 1 4342299
info@hu.bernstein.eu

China

**BERNSTEIN Safe Solutions
(Taicang) Co., Ltd.**
Phone +86 512 81608180
Fax +86 512 81608181
info@bernstein-safesolutions.cn

www.bernstein.eu