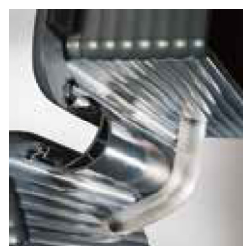




innovative  
enclosure solutions  
for industrial & electronic  
applications

# GENERAL CATALOGUE

Release 21



## SUSPENSION ARM SYSTEM

### FEATURES

Bioniq is the pendant system for control interfaces that is presented to combine design and technology. It is designed as a real “system”, manufactured from aluminium alloy and uses its modularity on the three dimensional axes.

- The BQC operator panel enclosure and the BQK keyboard enclosure are customizable in width, height and depth, on the base of the man-machine interface that have to be inserted.

- The BQPA pendant arm system can be composed on the base of the type of application (it can be fixed on the roof, on the wall or on pedestal).
- Wide range of accessories.

Suspension  
arm system



### CHARACTERISTICS

Structure made from alloyed aluminium with extruded profiles joined by means of die-cast angular pieces.

### PAINT FINISH

Thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver).

### PROTECTION RATING

NEMA 1 in compliance with UL508A; UL50.

### SELECTION

To select the operator panel enclosure, indicate the generic family code, classified according to depth as in the table hereunder, and simply indicate the width and height dimensions. When ordering, also specify if the suspension arm shall be fixed to the roof (T) or bottom (B) of the enclosure or if it is a desk version (P).

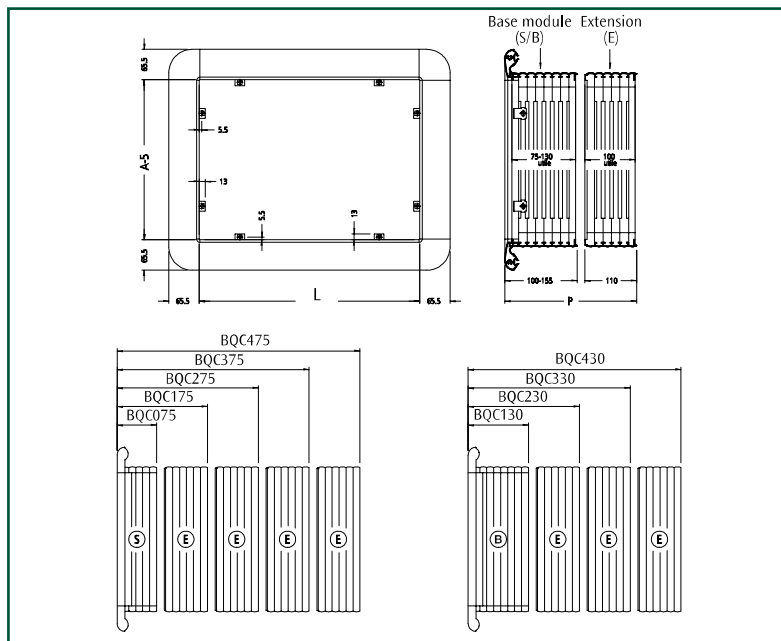
### WIDTH AND HEIGHT

Thanks to a high degree of customization, you can choose the width (L) and the height (A) of the operator panel on the base of the equipment that have to be inserted.

### DEPTH

The enclosure depth must be selected from the base modules with two different depths, as follows:

- small module (S) with useful internal depth of 75 mm
  - big module (B) with useful internal depth of 130 mm.
- The base modules can be expanded with extensions (E) with useful internal depth of 100 mm.



### SELECTION PROCEDURE

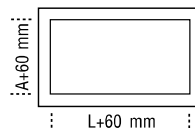
	B	Q	C	0	7	5	W+60 mm	H+60 mm	T/B/P
S									
B									
S + E									
B + E									
S + 2E									
B + 2E									
S + 3E									
B + 3E									
S + 4E									

T = fixing of BQPA pendant arm system on BQC enclosure roof

B = fixing of BQPA pendant arm system on BQC enclosure bottom

P = fixing of BQC enclosure on the desk.

- All dimensions are given in mm
- For dimensions above 999 mm, please contact the ETA sales office
- Complete the configuration with BQBP rear panel, BQWA-003 hinges and BQFR front panel if necessary
- The minimum depth of the BQC operator panel enclosure shall be 130 mm (if the BQPA pendant arm system is used)





## CHARACTERISTICS

Structure made from alloyed aluminium with extruded profiles joined by means of die-cast angular pieces.

## PAINT FINISH

Thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver).

## PROTECTION RATING

NEMA 1 in compliance with UL508A; UL50.

## SELECTION

To select the keyboard enclosure, indicate the generic family code, classified according to depth, and indicate the width and height dimensions.

## WIDTH AND HEIGHT

Thanks to a high degree of customization, you can choose the width (L) and the height (A) of the operator panel on the base of the equipment that have to be inserted.

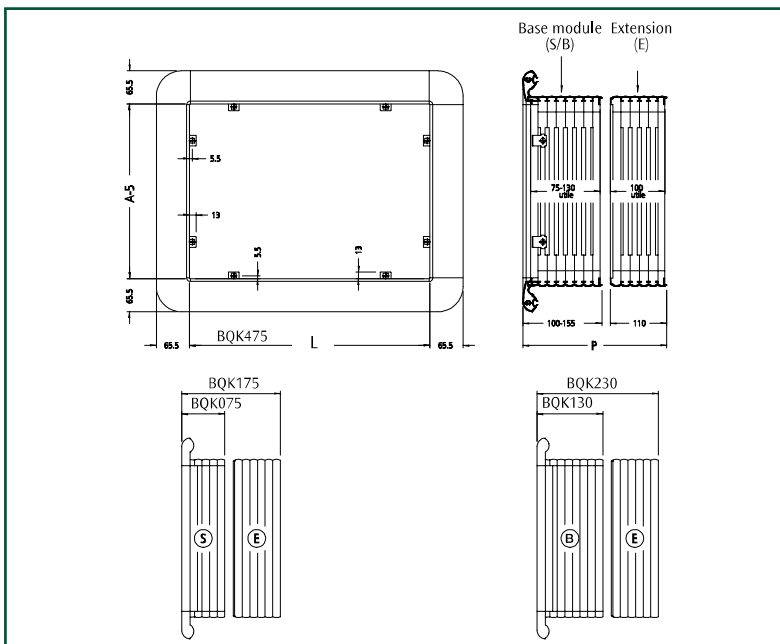
## DEPTH

The enclosure depth must be selected from the base modules with two different depths, as follows:

- small module (S) with useful internal depth of 75 mm
- big module (B) with useful internal depth of 130 mm.

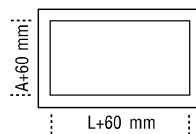
The base modules can be expanded with extensions (E) with useful internal depth of 100 mm.

**Note:** to be ordered separately the joining profile to the operator panel enclosure BQPU-001 and the rubber sleeve BQM-001 for cable passage (as an alternative to BQPU-001, order the 90-degree connection bracket BQKU-003, see page 275).

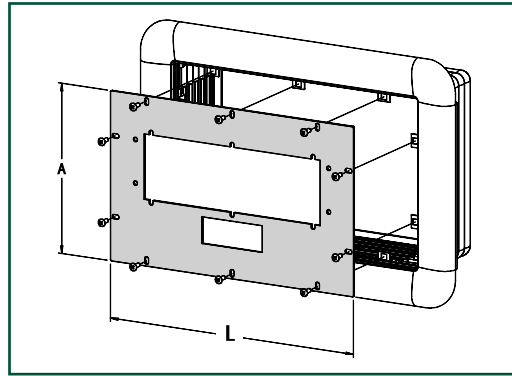


## SELECTION PROCEDURE

					W+60 mm	H+60 mm
S	B	Q	K	0 7 5		
B	B	Q	K	1 3 0		
S + E	B	Q	K	1 7 5		
B + E	B	Q	K	2 3 0		



- All dimensions are given in mm
- Complete the configuration with BQBP rear panel, BQWA-003 hinges and BQFR front panel if necessary (see page 270)



**Note:** if required, specify the size of the holes to be drilled in the panel.

**Note:** fixing kit BQFK-001 for the front panel assembly to be ordered separately.

### FRONT PANEL BQFR-001

#### CHARACTERISTICS

Panel manufactured from 3.0 mm thick sheet aluminium, it can be screwed from outside through special holes.

#### PAINT FINISH

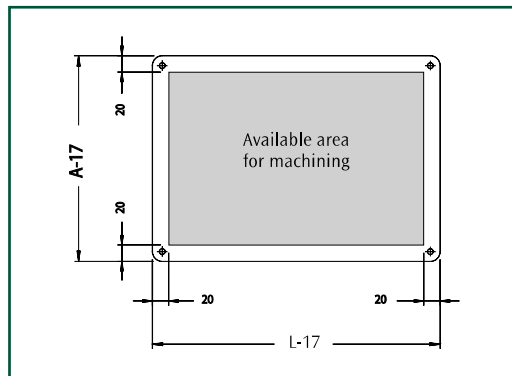
Thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver).

#### SUPPLY

Panel complete with mounting accessories.

#### SELECTION

According to customer specifications, with dimensions given in millimeters, ETA manufactures the drilled front panel and the corresponding operator panel enclosure BQC.



**Note:** if a hinged panel is required, specify this option in the order and order the BQWA-003 hinges separately (see page 275).

**Note:** for the desk configuration with direct fixing, order the rear panel BQBP-002.

### REAR PANEL BQBP-001 / BQBP-002

#### CHARACTERISTICS

Panel manufactured from 3.0 mm thick sheet aluminium, it can be screwed from outside through special holes.

#### PAINT FINISH

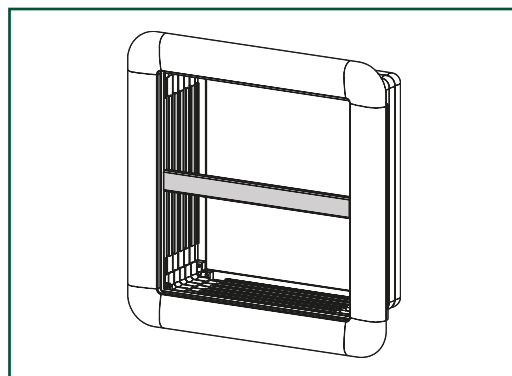
Thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver).

#### SUPPLY

Single panel complete with mounting accessories.

#### SELECTION

According to customer specifications, with dimensions given in millimeters, ETA manufactures the rear panel.



### SEPARATION PROFILE BQPR-001

It allows to divide the operator panel enclosure into two areas and it can be installed vertically and horizontally.

#### CHARACTERISTICS

Manufactured from 1.5 mm thick sheet steel.

#### PAINT FINISH

Thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver).

#### SUPPLY

Single piece complete with mounting accessories.

#### SELECTION

The separation profile dimensions match the BQFR front panel dimensions.



## SUSPENSION ARM SYSTEM

### FEATURES

Bioniq light is the pendant system for control interfaces with a sober and essential design: a flexible system with a high quality/price ratio and fully modular on the three dimensional axes.

- The BQLC operator panel enclosure and the BQLK keyboard enclosure are customizable in width, height and depth, on the base of the man-machine interface that have to be inserted.

- The BQPA pendant arm system can be composed on the base of the type of application (it can be fixed on the roof, on the wall or on pedestal).
- Wide range of accessories.

Suspension  
arm system



## CHARACTERISTICS

Structure manufactured from anodized aluminium from extruded profiles, joined by means of die-cast and painted angular pieces.

## PROTECTION RATING

NEMA 1 in compliance with UL508A; UL5 0.

## SELECTION

To select the light operator panel enclosure BQLC, indicate the generic family code, classified according to depth as in the table hereunder, and simply indicate the width and height dimensions. When ordering, also specify if the suspension arm shall be fixed to the roof (T) or bottom (B) of the enclosure or if it is a desk version (P).

## WIDTH AND HEIGHT

Thanks to a high degree of customization, you can choose the width (L) and the height (A) of the operator panel on the base of the equipment that have to be inserted.

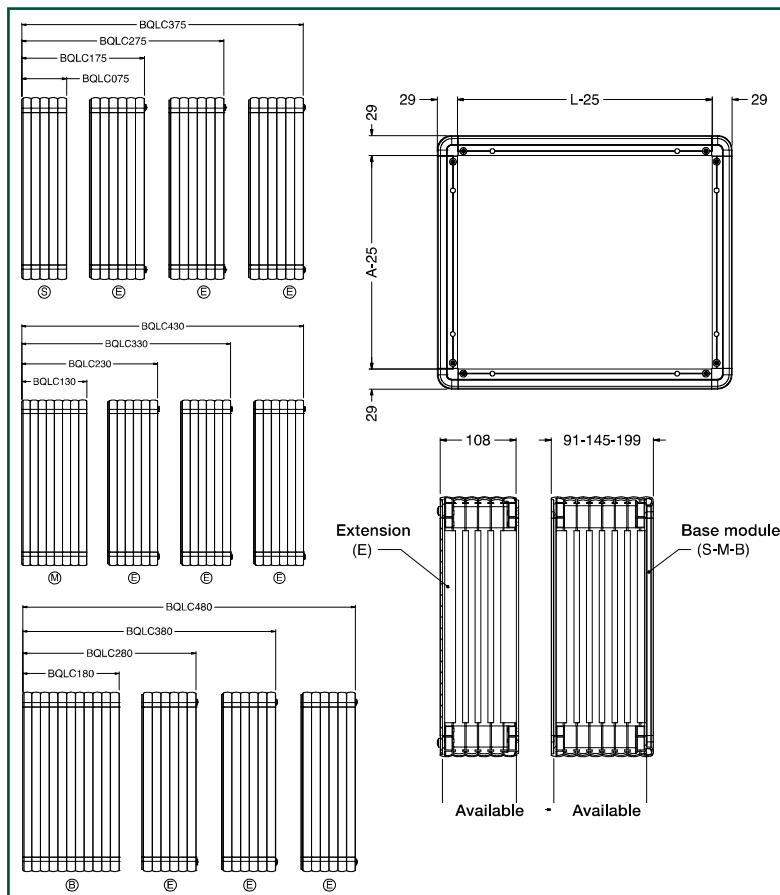
## DEPTH

The enclosure depth must be selected among modules with three different depths:

- small module (S) with useful internal depth of 75 mm
- medium module (M) with useful internal depth of 130 mm
- big module (B) with useful internal depth of 180 mm.

The base modules can be expanded with extensions (E) with useful internal depth of 100 mm.

**Note:** BQLH handles to be ordered separately (see page 274).



## SELECTION PROCEDURE

		W+60 mm	H+60 mm	T/B/P
S	B Q L C 0 7 5			
M	B Q L C 1 3 0			
B	B Q L C 1 8 0			
S + E	B Q L C 1 7 5			
M + E	B Q L C 2 3 0			
B + E	B Q L C 2 8 0			
S + 2E	B Q L C 2 7 5			
M + 2E	B Q L C 3 3 0			
B + 2E	B Q L C 3 8 0			
S + 3E	B Q L C 3 7 5			
M + 3E	B Q L C 4 3 0			
B + 3E	B Q L C 4 8 0			

T = fixing of BQPA pendant arm system on BQLC enclosure roof

B = fixing of BQPA pendant arm system on BQLC enclosure bottom

P = fixing of BQLC enclosure on the desk

- All dimensions are given in mm
- For dimensions above 999 mm, please contact the ETA sales office
- Complete the configuration with BQLBP rear panel, and if needed with BQWA-003 hinges and BQFR front panel if the unit is not fixed directly to the enclosure
- The minimum depth of the BQLC operator panel enclosure shall be 130 mm (if a pendant arm system is used)



## CHARACTERISTICS

Structure manufactured from anodized aluminium from extruded profiles, joined by means of die-cast and painted angular pieces.

## PROTECTION RATING

NEMA 1 in compliance with UL508A; UL50.

## SELECTION

To select the keyboard housing BQLK, indicate the generic family code, classified according to depth as in the table hereunder, and simply indicate the width and height dimensions.

## WIDTH AND HEIGHT

Thanks to a high degree of customization, you can chose the width (L) and the height (A) of the operator panel on the base of the equipment that have to be inserted.

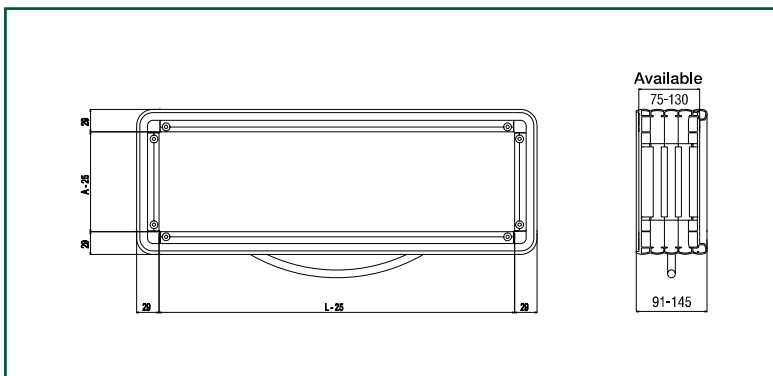
## DEPTH

The enclosure depth must be selected among modules with two different depths:

- small module (S) with useful internal depth of 75 mm
- medium module (M) with useful internal depth of 130 mm.

In this case, the extension modules cannot be used.

**Note:** to be ordered separately the joining profile, the operator panel enclosure BQLKU-001, the rubber sleeve BQLM-001 for cable passage and the handles BQLH, see page 274. As an alternative to BQLKU-001, order the 90-degree connection bracket BQLKU-004, see page 275.



## SELECTION PROCEDURE

						W+60 mm	H+60 mm
B	Q	L	K	0	7	5	
B	Q	L	K	1	3	0	

- All dimensions are given in mm
- For dimensions above 999 mm, please contact the ETA sales office
- Complete the configuration with BQLBP rear panel, and if needed with BQ-WA-003 hinges and BQFR front panel if the unit is not fixed directly to the enclosure



### FRONT PANEL BQLFR-001

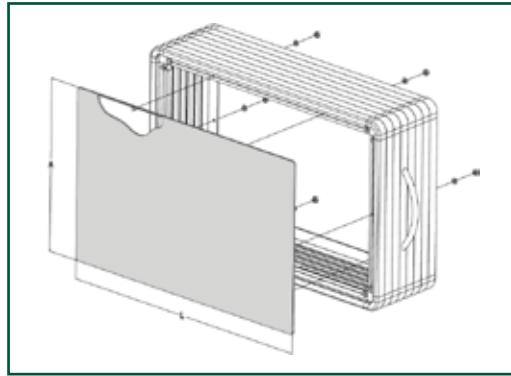
#### CHARACTERISTICS

Panel manufactured from 3.0 mm thick aluminium sheet, it can be screwed from inside through the studs welded on the panel.

#### SUPPLY

Includes 1 panel complete with mounting accessories.

**Note:** fixing kit BQLFK-001 for the front panel assembly to be ordered separately.



#### SELECTION

According to customer specifications, with dimensions given in millimeters, ETA manufactures the drilled front panel and the corresponding operator panel housing BQLC.

**Note:** if required, specify the size of the holes to be drilled in the panel.

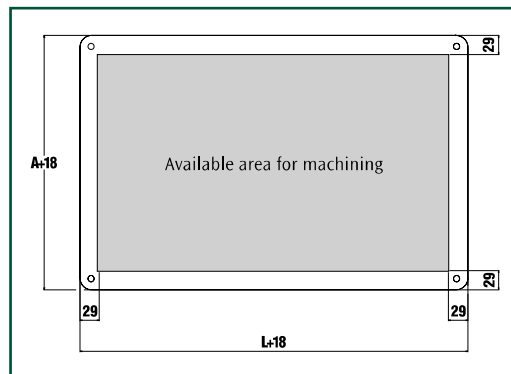
### REAR PANEL BQLBP-001/BQLBP-002

#### CHARACTERISTICS

Panel manufactured from 3.0 mm thick aluminium sheet, it can be screwed from inside through the studs welded on the panel.

#### SUPPLY

Includes 1 panel complete with mounting accessories.



#### SELECTION

According to customer specifications, with dimensions given in millimeters, ETA manufactures the rear panel.

**Note:** if a hinged panel is required, specify this option in the order and order the BQWA-003 hinges separately.

**Note:** for the desk configuration with direct fixing, order the rear panel BQLBP-002.

### SEPARATION PROFILE BQLPR-001

It allows to divide the operator panel enclosure into two areas; it can be installed vertically and horizontally.

#### CHARACTERISTICS

Manufactured from 1.5 mm thick sheet steel.

#### PAINT FINISH

Epoxy polyester powder for aluminium coating (RAL 9006 silver).

#### SUPPLY

Includes 1 piece complete with mounting accessories.



#### SELECTION

The separation profile dimensions match the BQLFR front panel dimensions.

### BQLH HANDLE

#### CHARACTERISTICS

Handle made from alloyed steel.

#### PAINT FINISH

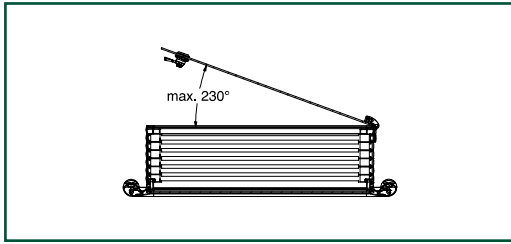
Aluminium (RAL 9006 silver).

#### SUPPLY

Includes 1 piece with mounting accessories:

- BQLH-001 handle L=150 mm
- BQLH-002 handle L=225 mm
- BQLH-003 handle L=260 mm.
- BQLH-004 handle L=360 mm.





**HINGE BQWA-003**

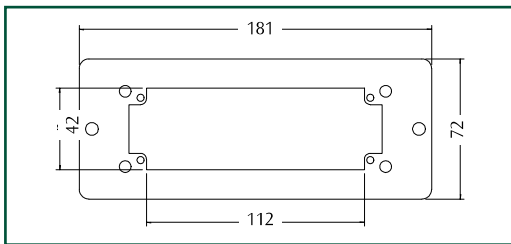
It allows to open the rear panel BQPB and BQLBP.

**CHARACTERISTICS**

Manufactured from alloyed zinc, it opens at 230°.

**SUPPLY**

Includes 1 piece complete with mounting accessories.

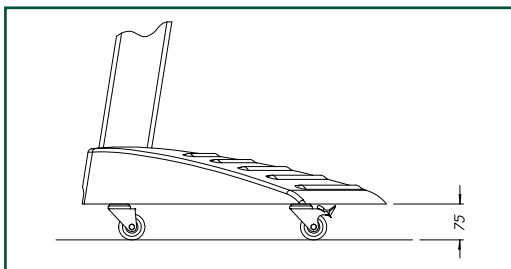


**FLANGE FOR FLOPPY DISK DOOR SIEMENS BQFD-002**

Flange manufactured from 3.0 mm thick sheet aluminium to contain the Siemens CNC. It allows to lodge the device on the side of the enclosure.

**SUPPLY**

Includes 1 piece.



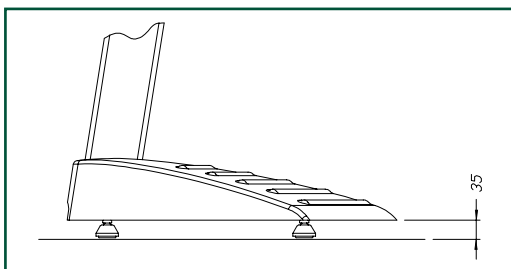
**CASTOR FOR BIONIQ DESK BQRU-001**

**CHARACTERISTICS**

Support of pressed sheet metal with chrome-plated zinc details; high-quality polyamide castor.

**SUPPLY**

Includes 1 piece complete with mounting hardware.



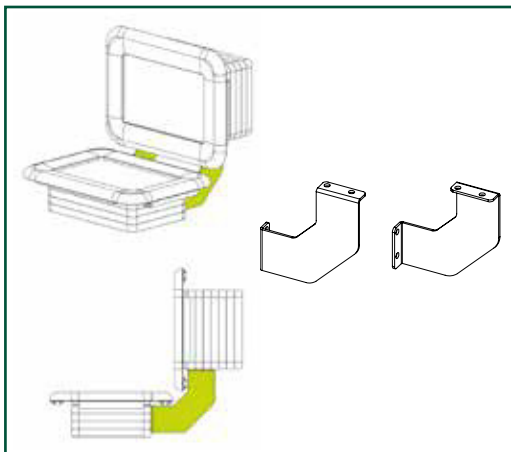
**FOOT FOR BIONIQ DESK BQPL-001**

**CHARACTERISTICS**

Swivelling foot consisting of a polyamide base and a galvanized steel support.

**SUPPLY**

Includes 1 piece.



**SQUARE-ANGLE CONNECTION BRACKET FOR BIONIQ BQKU-003 FOR BIONIQ LIGHT BQLKU-004**

It allows to fix a keyboard to the operator panel enclosure of the bioniq/bioniq light system at 90°.

**CHARACTERISTICS**

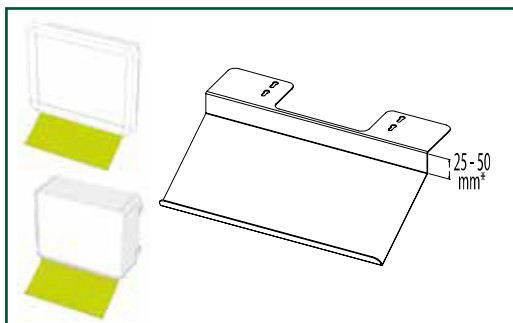
Bracket made from 3.0 mm thick sheet steel.

**PAINT FINISH**

Thermosetting epoxy polyester powder for aluminium coating RAL 9006.

**SUPPLY**

Includes 2 pieces complete with mounting hardware.



### KEYBOARD SUPPORT FOR BIONIQ BQSK-001 FOR BIONIQ LIGHT BQLSK-001

It allows to fix a keyboard to the operator panel enclosure of the bioniq/bioniq light system.

#### CHARACTERISTICS

Manufactured from 2.0 mm thick sheet steel.

#### PAINT FINISH

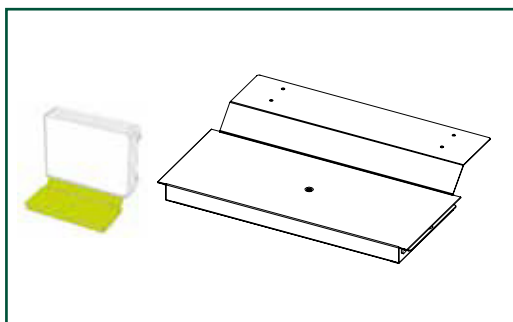
Thermosetting epoxy polyester powder for aluminium coating RAL 9006.

#### SUPPLY

Includes 1 piece complete with screws to fix to the enclosure.

**Note:** when ordering, indicate the keyboard footprint (WxD in mm).

\* Height of profile for bioniq light 25 mm, height of profile for bioniq 50 mm



### KEYBOARD SHELF WITH MOUSE PAD FOR BIONIQ BQRM-001 FOR BIONIQ LIGHT BQLRM-001

#### CHARACTERISTICS

Keyboard shelf with mouse pad manufactured from 1.0 mm thick sheet steel, fixing bracket manufactured from 2.0 mm thick sheet steel.

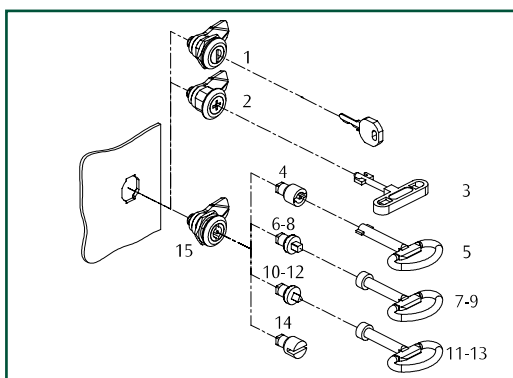
#### PAINT FINISH

Thermosetting epoxy polyester powder for aluminium coating RAL 9006.

#### SUPPLY

Includes 1 piece complete with screws to fix to the enclosure.

**Note:** when ordering, indicate the keyboard footprint (WxD in mm).



### LOCKING SYSTEMS

The locking systems for bioniq and bioniq light are conceived for the secure locking of the rear panel.

#### SUPPLY

Each lock consists of a key, an insert and a block with fixing lever.

LOCKING SYSTEM		
LOCKSET CODE FOR PANEL FIXING BWE	REF.	DESCRIPTION
BWE030	1	LOCK WITH KEY
BWE050	2	FIAT LOCK
BWE210	3	FIAT KEY
BWE010	4	ETA INSERT
BWE096	5	ETA KEY
BWE060	6	INSERT $\sphericalangle$ 6 MM
BWE260	7	KEY $\sphericalangle$ 6 MM
BWE070	8	INSERT $\sphericalangle$ 7 MM
BWE268	9	KEY $\sphericalangle$ 7 MM
BWE080	10	INSERT $\sphericalangle$ 6.5 MM
BWE273	11	KEY $\sphericalangle$ 6.5 MM
BWE090	12	INSERT $\sphericalangle$ 8 MM
BWE278	13	KEY $\sphericalangle$ 8 MM
BWE100	14	SCREW DRIVER INSERT
BWE140	15	LOCK WITHOUT INSERT



The bioniq/bioniq light pendant arm system must be made up according to the type of arm to be assembled, as projection from above or from a wall require a different combination of elements.

## CHARACTERISTICS

Tubular structure manufactured from extruded aluminium; other elements made from die-cast pieces.

## PAINT FINISH

Section and connection tube painted with thermosetting epoxy polyester powder for aluminium coating (RAL 9006 silver). Rotary turret, enclosure coupling, flanges and angular piece, medium grey painting.

## SELECTION

The suspension system is composed of elements (wall flange, turning turret, angular pieces, joints) and customizable modular segments (segment A and final tube T), whose codes are given in the table.

The arm must then be assembled with the operator panel enclosure, and with the keyboard enclosure if available.

## LENGTH

The modular sections of the arm (BQAA segment or BQEC tube) are available in fixed lengths (see the table) or can be customized.

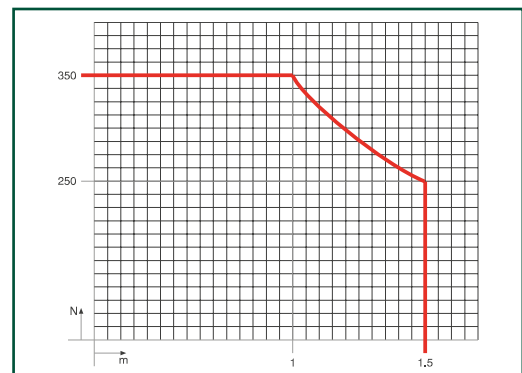
**Note:** the suspension system must be fixed to the base.

## SELECTION PROCEDURE

DESCRIPTION	CODE
ROTARY TURRET "11"	B   Q   R   0   1   1
WALL FLANGE "10"	B   Q   F   0   1   0
WALL COUPLING "15"	B   Q   R   0   1   5
ANGULAR PIECE "30"	B   Q   E   0   3   0
ANGULAR PIECE "35"	B   Q   E   0   3   5
ENCLOSURE COUPLING BQC AND BQLC "40"	B   Q   J   0   4   0
COUPLING FOR SIMPLE ENCLOSURE BST/BSTF "50"	B   Q   J   0   5   0
SECTION "A" L=500 MM	B   Q   A   A   0   5   0   0
SECTION "A" L=750 MM	B   Q   A   A   0   7   5   0
SECTION "A" L=1000 MM	B   Q   A   A   1   0   0   0
SECTION "A" L=1500 MM	B   Q   A   A   1   5   0   0
SECTION "A" L=	B   Q   A   A
<b>Note:</b> max length for section "A"=1500 mm.	
TUBE "T" L=250 MM	B   Q   E   C   0   2   5   0
TUBE "T" L=500 MM	B   Q   E   C   0   5   0   0
TUBE "T" L=750 MM	B   Q   E   C   0   7   5   0
TUBE "T" L=1000 MM	B   Q   E   C   1   0   0   0
TUBE "T" L=	B   Q   E   C

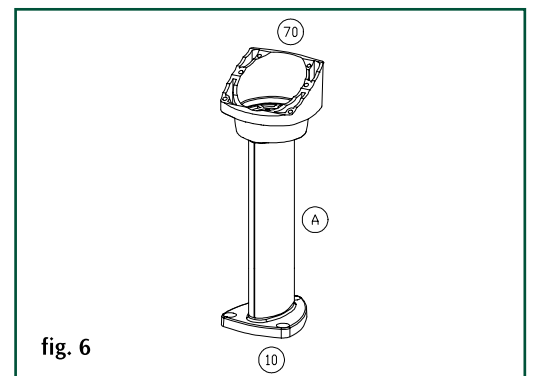
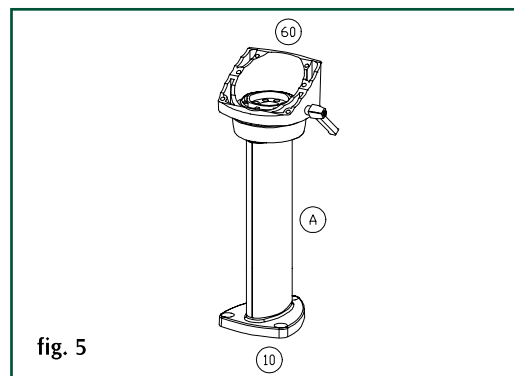
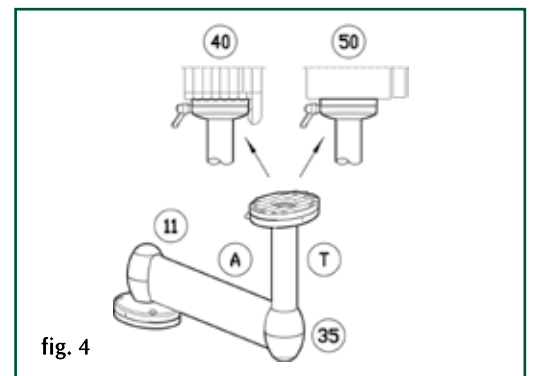
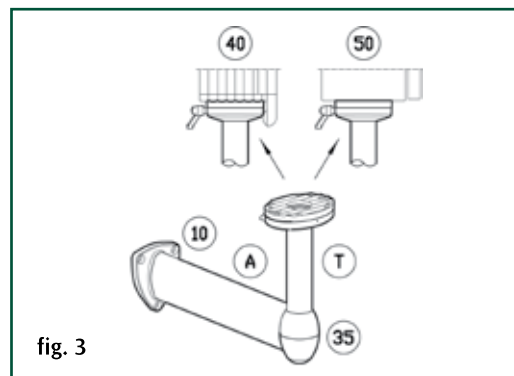
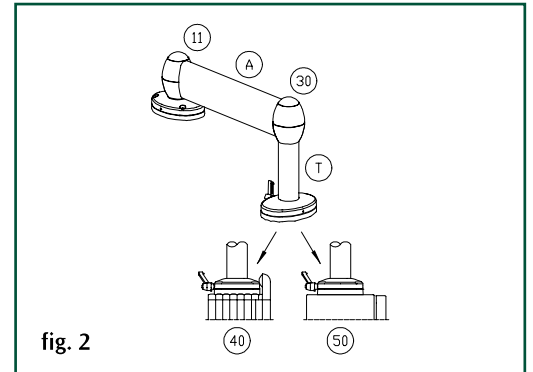
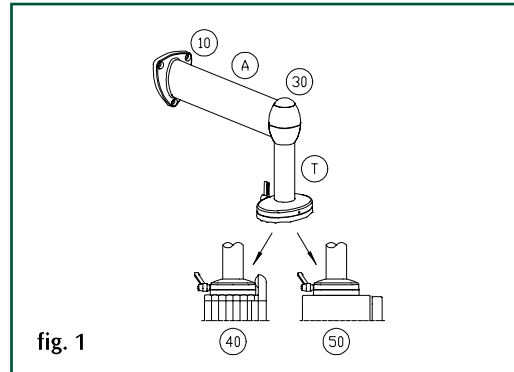
## LOAD DIAGRAM

The basic parameter for the selection of the pendant arm system is the mechanical load it must bear in different situations, which depends on the weight of enclosures and the protruding arm length. The following diagram provides a correct identification of the mechanical load capacity of the pendant arm system, based on its size and the weight of all enclosure and arm components.



Suspension arm system

## FIXING SOLUTIONS FOR THE PENDANT ARM SYSTEM



## ELEMENTS AND SEGMENTS

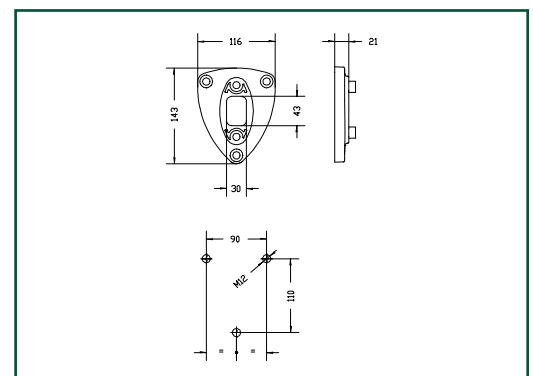


### WALL MOUNT FLANGE "10" BQF010

Weight: kg. 0.251.

#### SUPPLY

Includes 1 piece with mounting and fixing accessories.



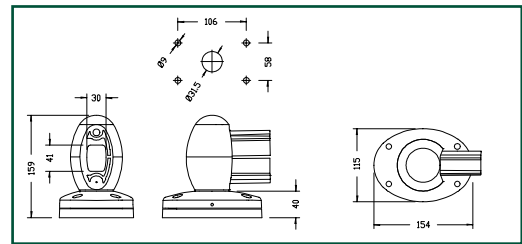


### TOP MOUNTED SWIVEL "11" BQR011

Weight: kg. 1.780.  
Rotation 300°.

#### SUPPLY

Includes 1 piece with mounting accessories.

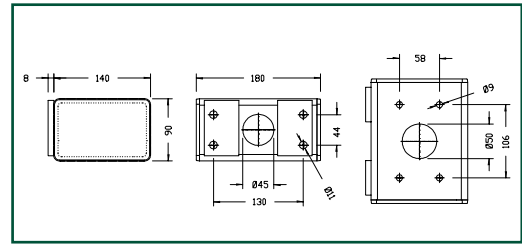


### WALL COUPLING "15" BQR015

Weight: kg. 4.850.

#### SUPPLY

Includes 1 piece with mounting accessories.



### INTERMEDIATE ELBOW "30" BQE030

Weight: kg. 0.630.

#### SUPPLY

Includes 1 piece with mounting accessories.

Note: To be used whit "T" tube mounted towards the bottom

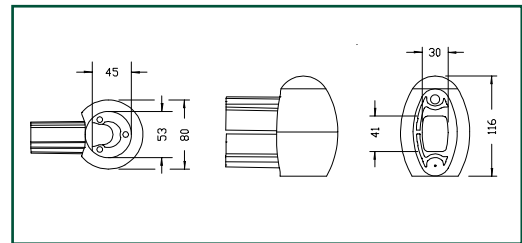
### INTERMEDIATE ELBOW "35" BQE035

Weight: kg. 0.630.

#### SUPPLY

Includes 1 piece with mounting accessories.

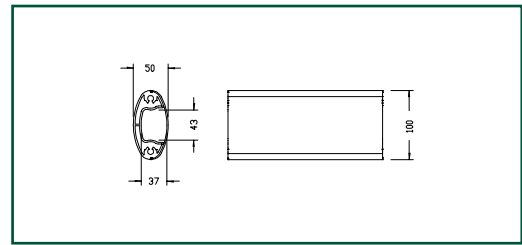
Note: To be used whit "T" tube mounted towards the top



### HORIZONTAL ARM "A" BQAA

#### SUPPLY

Includes 1 piece complete with cover to fix the arm to the top mounted swivel BQR011 and to the intermediate elbow BQE030/BQE035.



### HORIZONTAL ARM "A"

BQAA CODE	LENGTH MM	WEIGHT KG
BQAA0500	500	1.789
BQAA0750	750	2.684
BQAA1000	1000	3.578
BQAA1500	1500	5.367



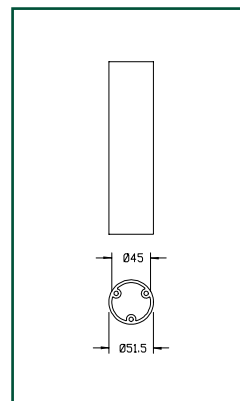
### VERTICAL TUBE "T" BQEC

#### SUPPLY

Includes 1 piece with mounting accessories.

### VERTICAL TUBE "T"

BQEC CODE	LENGTH MM	WEIGHT KG
BQEC0250	250	0.441
BQEC0500	500	0.883
BQEC0750	750	1.324
BQEC1000	1000	1.765



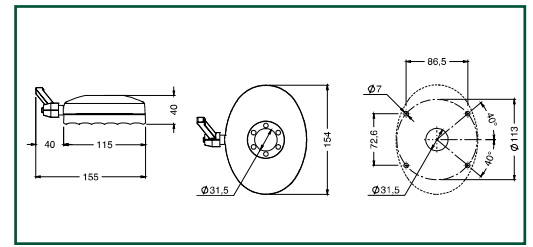


**ENCLOSURE COUPLING FOR BQC "40"  
BQJ040**

Weight: kg. 0.930.  
Rotation 300°.

**SUPPLY**

Includes 1 piece with mounting accessories.

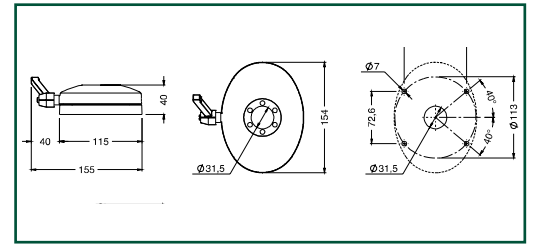


**ENCLOSURE COUPLING FOR BST "50"  
BQJ050**

Weight: kg. 0.930.  
Rotation 300°.

**SUPPLY**

Includes 1 piece with mounting accessories.

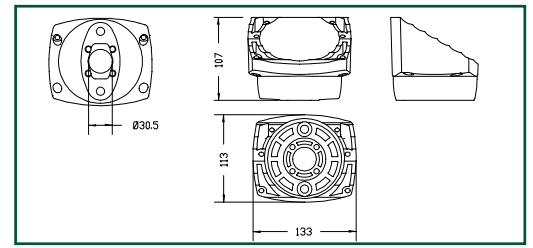


**FIXED FLANGE FOR ENCLOSURE SUPPORT  
BQFC001**

Weight: kg. 1.066.

**SUPPLY**

Includes 1 piece with mounting accessories.

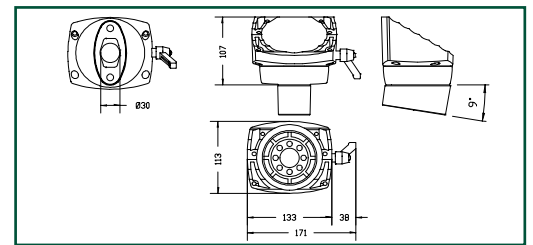


**ROTATING FLANGE FOR ENCLOSURE  
SUPPORT BQFC002**

Weight: kg. 1.228.  
Rotation 300°.

**SUPPLY**

Includes 1 piece with mounting accessories.



**ADJUSTABLE COUPLING BQGR-001**

It allows to orientate the operator panel enclosure optimally.

**CHARACTERISTICS**

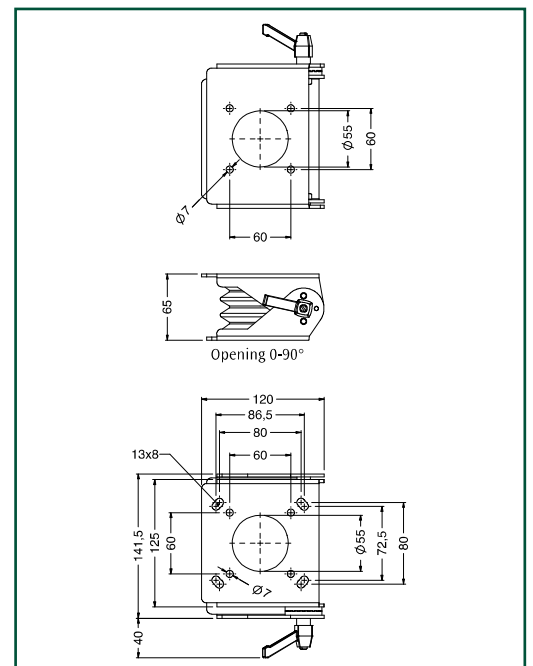
Coupling made from 3.0 mm thick sheet steel with adjustment rings. Neoprene bellows with PVC flanges and locking lever.

**PAINT FINISH**

Colour: medium grey.

**SUPPLY**

Includes 1 piece complete with mounting hardware.



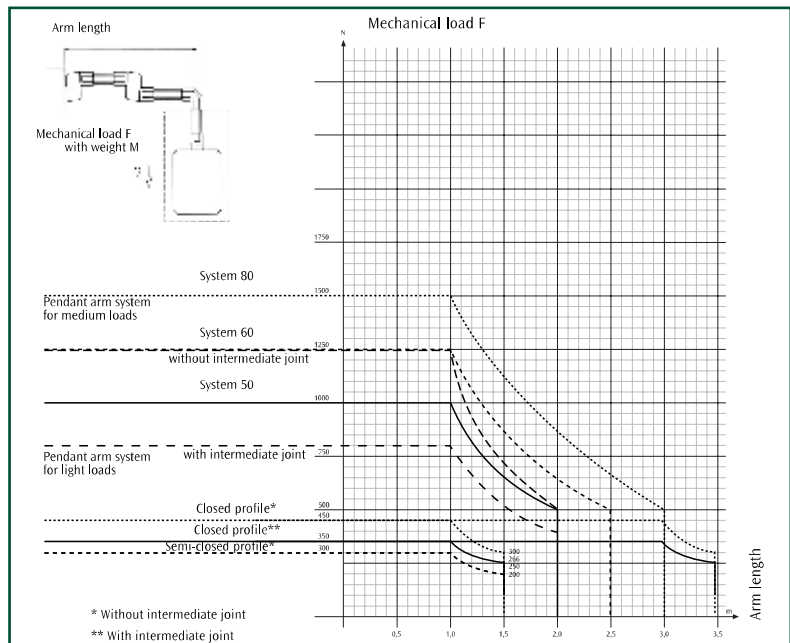
# PENDANT ARM SYSTEM FOR MEDIUM LOADS



In addition to the suspension system BQPA, ETA is able to provide adequate systems to a large variety of loading needs and cable passing: from the system for medium loads (closed profiles 45/60, 50, 60, 80) to the suspension system B70/90 characterized by an ergonomic design and the ability to obtain various combinations.

## LOAD DIAGRAM

The load diagram indicates the maximum load allowed for each size of the pendant arm system. The system dimensions also allow the application of an addition 75 kg load for 5 seconds without any plastic deformation.



## SYSTEM 45/60

CLOSED PROFILE SYSTEM 45/60	
BP45 CODE	DESCRIPTION
BP456025	CLOSED PROFILE 45 x 60 x 250
BP456050	CLOSED PROFILE 45 x 60 x 500
BP456075	CLOSED PROFILE 45 x 60 x 750
BP4560100	CLOSED PROFILE 45 x 60 x 1000
BP4560125	CLOSED PROFILE 45 x 60 x 1250
BP4560150	CLOSED PROFILE 45 x 60 x 1500
BP4560200	CLOSED PROFILE 45 x 60 x 2000

SYSTEM COMPONENTS 45/60	
B45 CODE	DESCRIPTION
B45001	FLANGE COUPLING
B45002	TILTED FLANGE COUPLING
B45003	ANGULAR FLANGE COUPLING
B45004	ANGULAR TILTED FLANGE COUPLING
B45005	BASE COUPLING
B45006	TILTED BASE COUPLING
B45007	TILTED SWIVELING COUPLING
B45008	ANGULAR TILTED SWIVELING COUPLING
B45009	ANGULAR PIECE
B45010	STRENGTHENED ANGULAR PIECE
B45011	QUICK-MOUNT COUPLING
B45012	INTERMEDIATE COUPLING
B45013	ROTARY TURRET
B45014	WALL COUPLING FOR HORIZONTAL ENCLOSURE
B45015	WALL COUPLING FOR VERTICAL ENCLOSURE
B45016	ROTARY BASE
B45017	SUPPORTING BASE/WALL FLANGE
B45018	BASE FOR MOVABLE POLE

Suspension arm system



## SYSTEM 50

Available on request.

SYSTEM 50 PROFILES	
BP50 CODE	DESCRIPTION
BP505025	PROFILE L=250 MM
BP505050	PROFILE L=500 MM
BP505075	PROFILE L=750 MM
BP5050100	PROFILE L=1000 MM
BP5050125	PROFILE L=1250 MM
BP5050150	PROFILE L=1500 MM
BP5050200	PROFILE L=2000 MM
BP5050300	PROFILE L=3000 MM

## ADDITIONAL SYSTEM 50 COMPONENTS

B50 CODE	DESCRIPTION
B50001	ANGULAR PIECE
B50002	STRENGTHENED ANGULAR PIECE
B50003	WALL FLANGE
B50004	WALL COUPLING
B50005	WALL COUPLING
B50006	ANGULAR COUPLING
B50007	TILTED SWIVELING COUPLING
B50008	STANDARD COUPLING, FLANGE
B50009	INTERMEDIATE COUPLING
B50010	ROTARY TURRET
B50608001	15° TILTING ADAPTER
B50608002	30° TILTING ADAPTER
B50608003	60° TILTING ADAPTER

## SYSTEM 60

Available on request.

SYSTEM 60 PROFILES	
BP60 CODE	DESCRIPTION
BP606025	PROFILE L=250 MM
BP606050	PROFILE L=500 MM
BP606075	PROFILE L=750 MM
BP6060100	PROFILE L=1000 MM
BP6060125	PROFILE L=1250 MM
BP6060150	PROFILE L=1500 MM
BP6060200	PROFILE L=2000 MM
BP6060300	PROFILE L=3000 MM

## ADDITIONAL SYSTEM 60 COMPONENTS

B60 CODE	DESCRIPTION
B60001	ANGULAR PIECE
B60002	STRENGTHENED ADAPTER
B60003	BASE FOR MOVABLE POLE
B60004	WALL FLANGE
B60005	WALL COUPLING
B60006	WALL COUPLING
B60007	ANGULAR COUPLING, FLANGE
B60008	TILTED SWIVELING COUPLING
B60009	STANDARD COUPLING, FLANGE
B60010	INTERMEDIATE COUPLING
B60011	ROTARY TURRET
B50608001	15° TILTING ADAPTER
B50608002	30° TILTING ADAPTER
B50608003	60° TILTING ADAPTER

## SYSTEM 80

Available on request.

SYSTEM 80 PROFILES	
BP80 CODE	DESCRIPTION
BP808025	PROFILE L=250 MM
BP808050	PROFILE L=500 MM
BP808075	PROFILE L=750 MM
BP8080100	PROFILE L=1000 MM
BP8080125	PROFILE L=1250 MM
BP8080150	PROFILE L=1500 MM
BP8080200	PROFILE L=2000 MM
BP8080300	PROFILE L=3000 MM

## ADDITIONAL SYSTEM 80 COMPONENTS

B80 CODE	DESCRIPTION
B80001	ANGULAR PIECE
B80002	STRENGTHENED ANGULAR PIECE
B80003	BASE FOR MOVABLE POLE
B80004	WALL FLANGE
B80005	WALL COUPLING FOR CABLE ENTRY
B80006	WALL COUPLING FOR CABLE ENTRY
B80007	ANGULAR COUPLING
B80008	TILTED SWIVELING COUPLING
B80009	STANDARD COUPLING, FLANGE
B80010	INTERMEDIATE COUPLING
B80011	ROTARY TURRET
B50608001	15° TILTING ADAPTER
B50608002	30° TILTING ADAPTER
B50608003	60° TILTING ADAPTER

## ADDITIONAL ACCESSORIES

B98 CODE	DESCRIPTION
B9805129	ROTATION ANGLE LIMITER FOR COUPLINGS SIZE 45/60
B9805176	ROTATION ANGLE LIMITER FOR COUPLINGS 50, 60, 80
B9805063	ROTATION ANGLE LIMITER FOR SYSTEMS 50 AND 60
B9805062	ROTATION ANGLE LIMITER FOR SYSTEMS 80
B9805130	ROTATION ANGLE LIMITER FOR TILTED SWIVELING COUPLINGS SIZE 45/60, 50, 60, 80
B9805132	ROTATION ANGLE LIMITER FOR ARTICULATED COMPONENTS SIZE 45/60
B9805177	ROTATION ANGLE LIMITER FOR ARTICULATED COMPONENTS 50, 60, 80

# PENDANT ARM SYSTEM B 70/90



The modular system B 70/90, characterized by an advanced design and an incredibly easiness of assembling and cable passing, allows the creation of numerous combinations and the obtaining of multiple system solutions and variations.

The pipes in anodized aluminium, the absence of corners and the junction linearity ensure the system resistance over time, while the modular prosecution of the various coupling with the adapter joints ensure its flexibility.

## CHARACTERISTICS

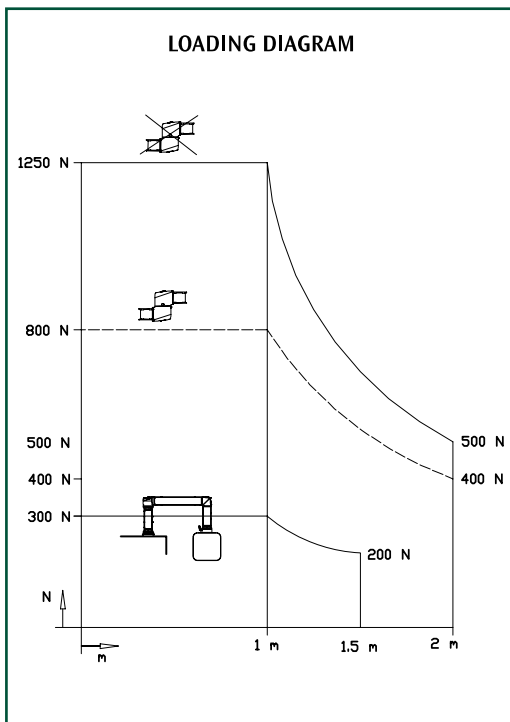
- anodized aluminium pipes
- die-cast aluminium components
- POM bearings
- neoprene seals.

## PAINT FINISH

- couplings, supports anthracite gray RAL 7016
- connection pipes: anodized aluminium.

## PROTECTION RATING

IP65.



## SYSTEM COMPONENTS B 70/90

B CODE	DESCRIPTION
B70001*	FLANGE
B70002*	FLANGE WITH ANGULAR PIECE
B70003*	15° TILTED FLANGE (REAR TILTING)
B70004*	15° TILTED FLANGE (FRONT TILTING)
B70005*	TILTED FLANGE WITH ANGLE (REAR TILTING)
B70006*	TILTED FLANGE WITH ANGLE (FRONT TILTING)
B70007*	BASE COUPLING
B70008*	15° TILTED BASE COUPLING (REAR TILTING)
B70009*	15° TILTED BASE COUPLING (FRONT TILTING)
B70010**	FLANGE 48
B70011	ANGULAR REDUCER RD48
B70012	ANGULAR PIECE
B70013	ROTARY ANGULAR PIECE
B70014	MAX. 30° TILTING ADAPTER
B70015	ADAPTER (NARROW PROFILES)
B70016	ROTARY TURRET
B70017	S WALL COUPLING
B70018	W WALL COUPLING
B70019	W INTERMEDIATE COUPLING
870020	WALL FLANGE FOR POLE BASE
B70021	ROTARY BASE
B70022	BASE FOR MOVABLE POLE

\* BQB002 for BST.

\*\* Not compatible with BST standard punching.

## RECTANGULAR PIPES

BP CODE	DESCRIPTION
BP709025	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 250 MM
BP709050	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 500 MM
BP709075	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 750 MM
BP7090100	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 1000 MM
BP7090125	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 1250 MM
BP7090150	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 1500 MM
BP7090175	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 1750 MM
BP7090200	RECTANGULAR PIPES OF ANODIZED ALUMINUM, LENGTH 70 x 90 x 2000 MM
BP709038	RECTANGULAR PIPES OF ALUMINUM, LENGTH 70 x 90 x 380 MM
BP709063	RECTANGULAR PIPES OF ALUMINUM, LENGTH 70 x 90 x 630 MM
BP709088	RECTANGULAR PIPES OF ALUMINUM, LENGTH 70 x 90 x 880 MM
BP7090113	RECTANGULAR PIPES OF ALUMINUM, LENGTH 70 x 90 x 1130 MM
BP7090138	RECTANGULAR PIPES OF ALUMINUM, LENGTH 70 x 90 x 1380 MM
BP7090100B	OPEN PROFILE 70 x 90 x 1000 MM FI X ED ON THE SIDE
BP7090200B	OPEN PROFILE 70 x 90 x 2000 MM FI X ED ON THE SIDE

## CYLINDRICAL PIPES

BP CODE	DESCRIPTION
BP4825	CYLINDRICAL PIPES LENGTH 48 x 4 x 250 MM
BP4875	CYLINDRICAL PIPES LENGTH 48 x 4 x 500 MM
BP4850	CYLINDRICAL PIPES LENGTH 48 x 4 x 750 MM
BP48100	CYLINDRICAL PIPES LENGTH 48 x 4 x 1000 MM

## ADDITIONAL ACCESSORIES

B CODE	DESCRIPTION
B9806590000	PLUG SET
B9805296000	ROTATION ANGLE LIMITER
B9808012800	INDUSTRIAL WHEELS
B9808015300	WHEELS FOR ELECTRICAL EQUIPMENT
B9808012900	ADJUSTABLE FEET
B9808014100	FLOOR BRACKETS



The elegant, innovative and functional design concepts of bioniq are available also in the pedestal system, a solution that allows to fix the operator panel and keyboard enclosure to the pedestal for both standard and light options.

The fixing can be:

- direct (fig. B for the standard option and D for the light option)
- on the profile through a flange (fig. A for the standard option and C for the light option).

#### CHARACTERISTICS

The pedestal is manufactured from the following materials:

- base of sheet steel
- base cover of thermoformed material colour Pantone 2717U
- pedestal section of extruded aluminium.

#### SUPPLY

For the composition of the pedestal system, see selection method for:

- operator panel enclosure (BQC or BQLC)
- optional keyboard enclosure (BQK or BQLK)
- pedestal base BQBA-001 (with feet) or BQBA-002 (with wheels) and pedestal section BQSU (see page 286).

**Note:** for applications as the ones showed in pictures A and C, order separately the pedestal flange BQFC-002.

**Note:** for application as the ones showed in pictures B and D, order separately the flange BQF010 and the adapter panel BQBP-002 or BQLBP-002 (see page 286).

### BIONIQ LIGHT PEDESTAL SYSTEM

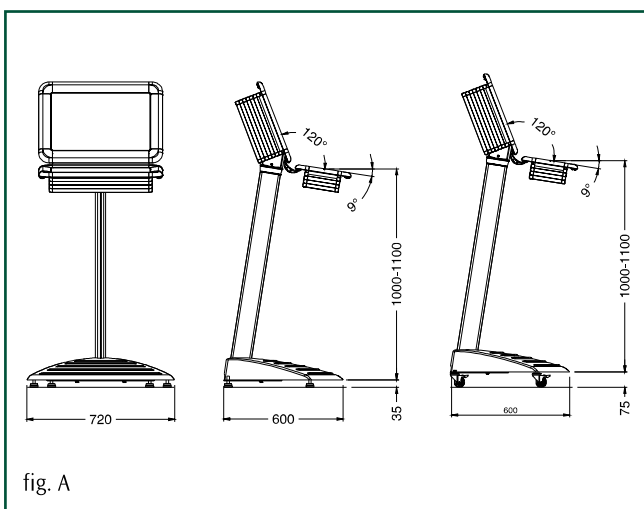


fig. A

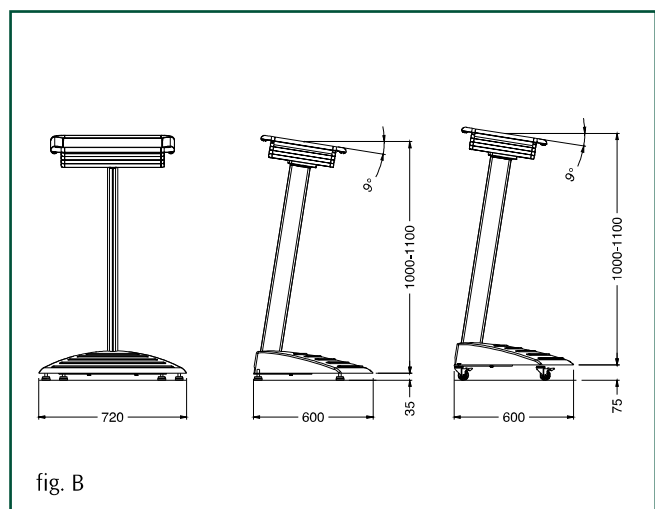


fig. B

**Note:** dimensions of the height do not include castors or feet (for these components see the drawings on page 276).

Suspension arm system

## BIONIQ LIGHT PEDESTAL SYSTEM

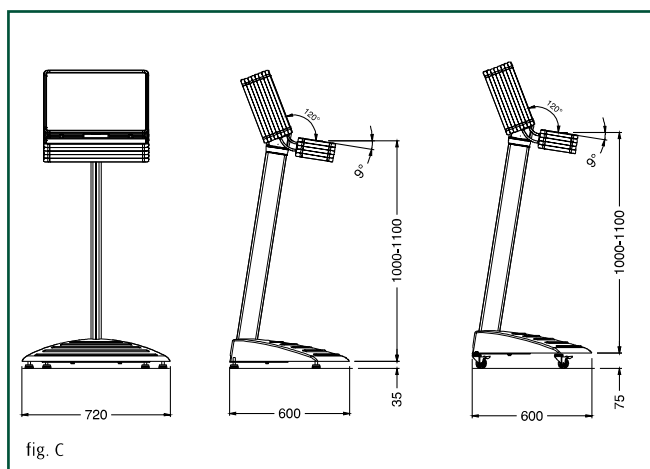


fig. C

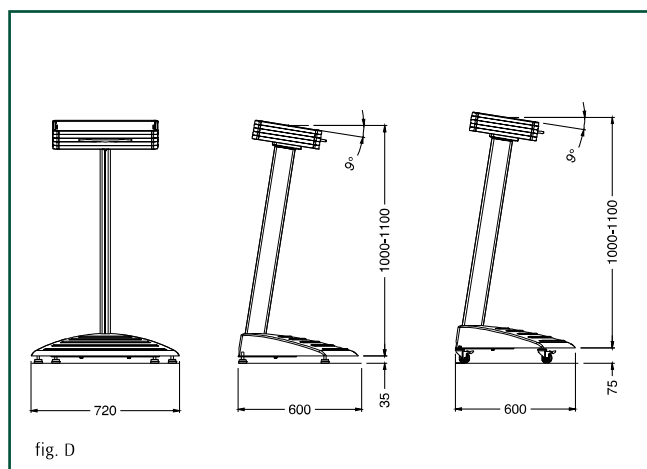
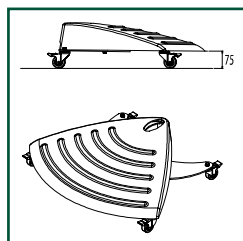
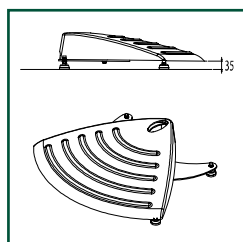


fig. D

**Note:** dimensions of the height do not include castors or feet (for these components see the drawings below).



### PEDESTAL BASE BQBA

The base for bioniq on pedestal is available in two alternative versions:

- desk base complete with 3 levelling feet without front panel.
- desk base complete with 3 castors and front panel.

### DESK BASE BQBA

BQBA CODE	DESCRIPTION
BQBA-001	DESK BASE FOR PEDESTAL WITH FEET
BQBA-002	DESK BASE FOR PEDESTAL WITH CASTORS

**Note:** to replace 1 foot order 1 BQBL-001 (see page 275); to replace 1 wheel without block order 1 BQRU-001 (see page 275); to replace 1 wheel with block order 1 BQRU-002.

### REAR PANEL FOR SECTION FIXING BQBP-002/BQLBP-002

The rear panel, properly drilled, allows to fix the pedestal section directly to the enclosure (as shown in Fig. B/D).

### REAR PANEL BQBP/BQLBP

BQBP/BQLBP CODE	DESCRIPTION
BQBP-002	REAR PANEL FOR DIRECT FIXING ON BIONIQ
BQLBP-002	REAR PANEL FOR DIRECT FIXING ON BIONIQ LIGHT

**Note:** for more information about the panel, please check on page 270 and 274.

**Note:** complete the order with the corresponding flange BQF010 (check on page 278).

### PEDESTAL SECTION BQSU

The bioniq pedestal section is available in two different heights.

### PEDESTAL SECTION BQSU

BQSU CODE	HEIGHT FROM BASE TO KEYBOARD ENCLOSURE
BQSU-001	1000
BQSU-002	1100

**Note:** supports with different heights available upon request. For fixing as shown in Fig. A/C, complete the order with the desk flange BQFC (see page 280). Instead, for direct fixing as shown in Fig. B/D, order the adapter panel BQBP-002 and the corresponding flange BQF010 (see page 278).

### PEDESTAL FLANGE BQFC

Designed to guide cables from the support to the operator panel enclosure BQC, it is made from cast aluminium.



fig. 1



fig. 2

**Note:** for product codes and further technical details, check on page 280.



Sol. 1



Sol. 2



Sol. 3



Sol. 4

The operator interface housing based on ST is designed to meet the requirements of convenience combined with easy use.

Four solutions are available:

- simple enclosure with handles fixed on the door (Sol. 1)
- simple enclosure with handles fixed on the enclosure structure (Sol. 2)
- simple enclosure with optional application of the BQFR front panel on the door (Sol. 3)
- simple enclosure with optional application of the BQFR front panel on the enclosure structure (Sol. 4).

**CHARACTERISTICS**

Enclosure and door manufactured from 1.5 mm thick sheet steel. The upper part of the enclosure is provided with a hole to fix the pendant arm system.

**SUPPLY**

Housing supplied with:

- enclosure and door complete with  $\varnothing$  3 mm double bar locking system
- two handles complete with mounting accessories
- mounting screws.

**PAINT FINISH**

Epoxy polyester powder coating.

Enclosure and door: colour RAL 7035 textured finish.

Handle colour: gun barrel grey.

**PROTECTION RATING**

- IP55 complying with IEC EN62208; EN62262.
- NEMA 1 complying with UL508A; UL50.

**Note:** mounting plate available on request profile BSTPROF200 (supply includes nr. 4 pieces) for BST mounting plate to be ordered separately.

**SOLUTION 1**

BST CODE	DIMENSIONS (W x H x D)		
	B	A	P
BST3-420F	300	400	200
BST4-320F	400	300	200
BST4-420F	400	400	200
BST5-420F	500	400	200
BST5-520F	500	500	200
BST6-620F	600	600	200

**Note:** order the BQPA pendant arm system separately (see page 278). For solution 1, the locking system is fixed on the side wall of the simple enclosure.

**SOLUTION 2**

BST CODE	DIMENSIONS (W x H x D)		
	B	A	P
BST3-420B	300	400	200
BST4-320B	400	300	200
BST4-420B	400	400	200
BST5-420B	500	400	200
BST5-520B	500	500	200
BST6-620B	600	600	200

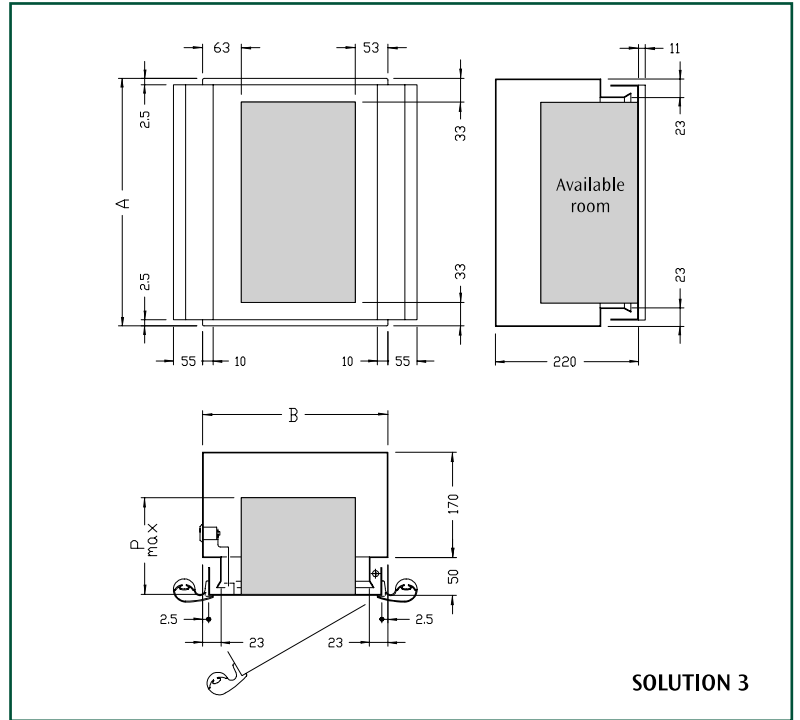
**Note:** order the BQPA pendant arm system separately (see page 278). For solution 2, the locking system is fixed on the door of the simple enclosure.

Suspension arm system

## SOLUTION 3

BSTF CODE	DIMENSIONS (W x H x D)		
	B	A	P
BSTF3-420F	300	400	200
BSTF4-320F	400	300	200
BSTF4-420F	400	400	200
BSTF5-420F	500	400	200
BSTF5-520F	500	500	200
BSTF6-620F	600	600	200

**Note:** the blank locking panel is included; order the BQPA pendant arm system separately (see page 278). For solution 3, the locking system is fixed on the side wall of the simple enclosure.

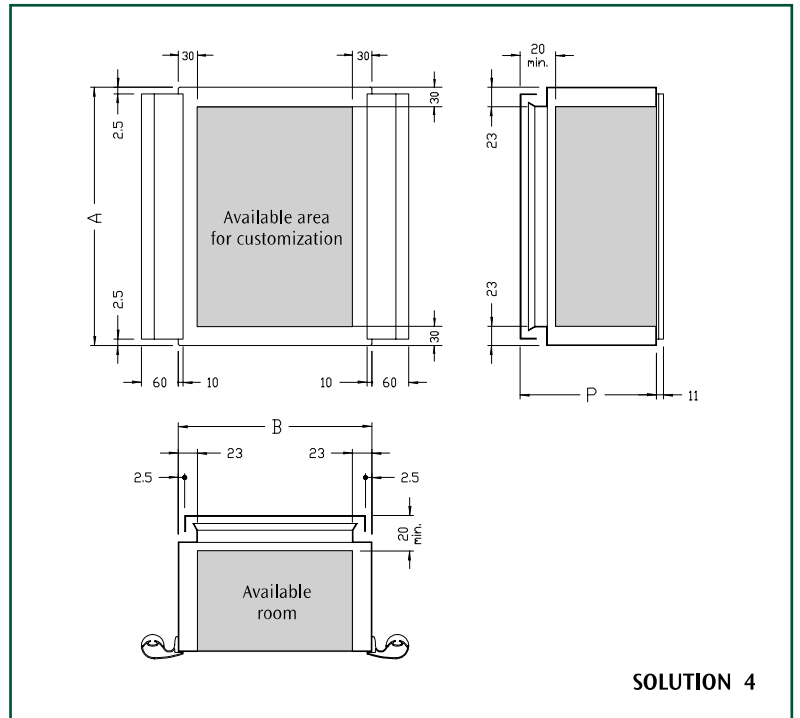


SOLUTION 3

## SOLUTION 4

BSTF CODE	DIMENSIONS (W x H x D)		
	B	A	P
BSTF3-420B	300	400	200
BSTF4-320B	400	300	200
BSTF4-420B	400	400	200
BSTF5-420B	500	400	200
BSTF5-520B	500	500	200
BSTF6-620B	600	600	200

**Note:** the blank locking panel is included; order the BQPA pendant arm system separately (see page 278). For solution 4, the locking system is fixed on the door of the simple enclosure.



SOLUTION 4

## LOCKING SYSTEMS

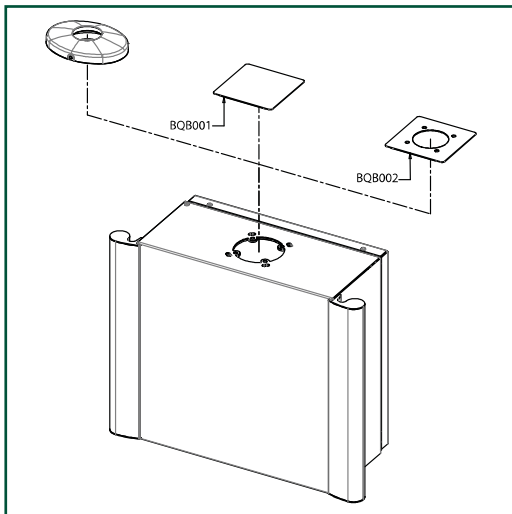
See page 172.



## DOOR STOP WA060

See page 170.





### BLANK PLATE BQB001

#### CHARACTERISTICS

Manufactured from sheet steel. Designed to close the punching dedicated to BQPA pendant arm system on BST housing.

#### PAINT FINISH

ETA standard epoxy polyester powder coating.  
Colour: RAL 7035 textured finish.

#### SUPPLY

Includes nr. 1 piece with mounting accessories

### ADAPTING PLATE BQB002

#### CHARACTERISTICS

Manufactured from sheet steel. Designed to assemble the pendant arm system for medium loads and the pendant arm system B 70/90 to BST housing.

#### PAINT FINISH

ETA standard epoxy polyester powder coating.  
Colour: RAL 7035 textured finish.

#### SUPPLY

Includes nr. 1 piece with mounting accessories

**Note:** please require the punching on the housing.





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**E.T.A. S.P.A.**

22035 Canzo - Como (Italy)  
Via Monte Barzaghino, 6  
t. +39 031.673.611  
f. +39 031.670.525  
www.eta.it  
infosede@eta.it

**E.T.A. ENCLOSURES (UK) LIMITED**

Unit 2, Ignite, Magna Way  
Rotherham, South Yorkshire, S60 1FD  
t. +44 01709 386630 f. +44 01709 369524  
info@eta-enclosures.co.uk  
www.eta-enclosures.co.uk

**SASU E.T.A. France**

Rue du Pré aux Boeufs  
76806 St.Etienne du Rouvray  
t. +33 02 35643470 f. +33 02 35642275  
eta-france@wanadoo.fr  
www.eta-france.fr

**E.T.A. SPB**

Shpalernaya ul. 54  
191015 St.Petersburg (Russia)  
www.eta.it



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