

S-LFD

**Fire and Gas-Fire Damper
SOLAS A0-A60**



SagiCofim



Features

QUALITY

Our Quality Management System has been certified in accordance with the standard ISO 9001:2015.

Our company is monitored by RINA, a member of iQNet European network, and is appointed with the quality management system certificate for the fields of activity of design and production of filter, filter systems and air distribution components for HVAC systems.

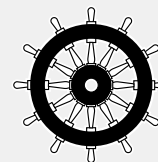
ENVIRONMENT

Being involved with the production of equipment for indoor environment control and air filtration, it is natural for SagiCofim to consider the environment protection a main commitment.

Our company has been appointed by RINA with the Environmental Management System certificate in accordance with the standard ISO 14001:2015 for design, production, and trade of air filters and systems, products for air distribution and air conditioning, heating and cooling.

MARINE EQUIPMENT DIRECTIVE

The company has been certified by RINA in accordance to the Marine Equipment Directives (MED) of the European Union for fire dampers for naval application.



ATEX



Gas leakage EN 1751, 2000Pa

- Class 2B
- Class 3C



Features

S-LFD fire dampers are supplied with electric actuator and are available for SAFE area as well as ATEX applications. Fire dampers are designed to work with a “fail-close” logic, automatically closing, in case of lack of power supply.

During normal operating life, fire dampers are open to let the air flow into the ductwork.

They can be remotely closed for testing purposes.

In case of fire, when the air temperature across the damper reaches the set point (usually 72°C, thermal fuses with different settings can be supplied on request), the integrated spring return system immediately closes the damper, to prevent the spread of flame and smoke within the air conditioning and ventilation ductwork.



MATERIAL AND FINISH

Hot dip galvanized steel
(versions 3 and 5)

Stainless steel AISI316L
(versions 4 and 6)

DIMENSION RANGE

From 150x150mm up to 1000x1000mm

APPLICATION

- Yachts and leisure ships
- Cruise and commercial ships
- HVAC systems
- Oil&Gas offshore and onshore plants

VERSIONS

- 3 = Frame 220mm hot dip galvanized steel welded (220GW)
- 4 = Frame 220mm AISI316L welded (2206W)
- 5 = Frame 300mm hot dip galvanized steel welded (300GW)
- 6 = Frame 300mm AISI316L welded (3006W)

OPTIONS

- **Flanges**
 - Standard flange 30mm
 - On request flange 50mm
- **Actuators**
 - Electrical
- **Solas**
 - A0
 - A60
- **Zone**
 - Safe area
 - ATEX area II 2GD h IIC TX°C (TX)
- **Leakage Class according to EN 1751**
 - Standard Class 2B
 - On request Class 3C

ACCESSORIES

- Square-to-round connections
- Junction boxes
- Open-close indicator panel
- Switches
- Thermal fuse

Technical data
SOLAS A0 frame 300mm
SAFE AREA - ATEX AREA

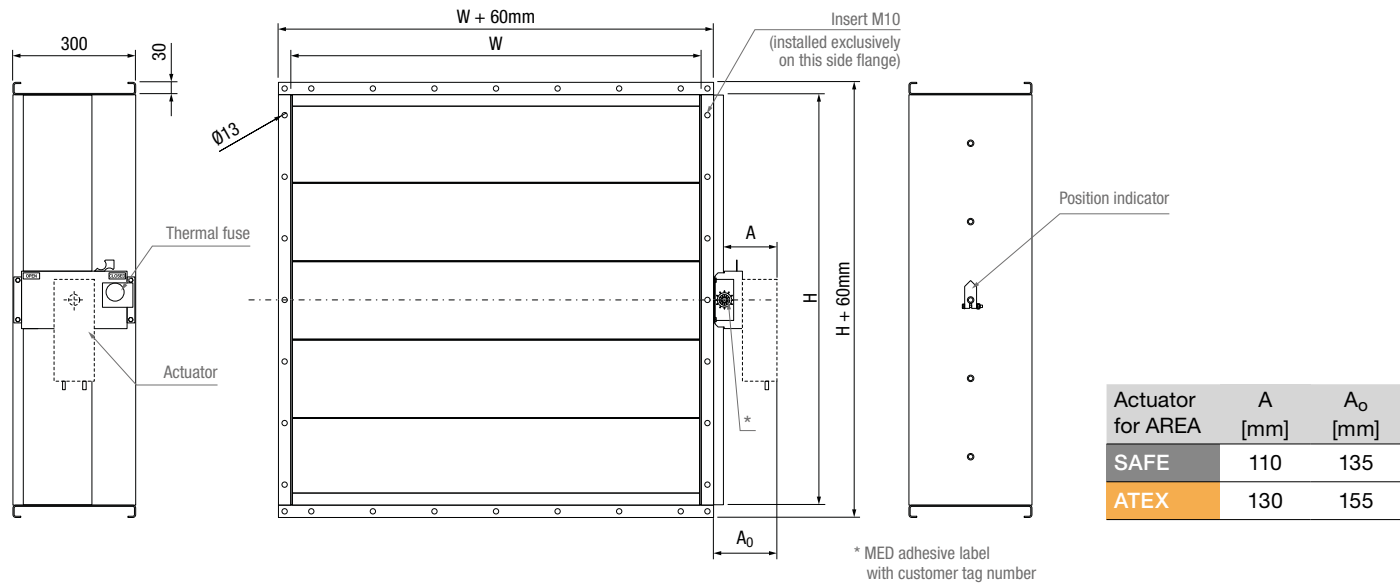
Features

Dimensional range	from 150x150mm to 1000x1000mm step 50mm
Flange	Standard 30mm On request 50mm
Operating temperature range	-40°C / +50°C
Operating air velocity (damper in working condition)	12m/s max
Peak limits (sporadic and for a few seconds)	P=2500Pa, v= 18m/s
Leakage Class acc. to EN 1751	Standard 2B On request 3C

	Version 5 (300GW)	Version 6 (3006W)
Description	Material	
Casing (welded)	hot dip galv. steel - tk. 3mm	AISI316L - tk. 3mm
Blades	galv. steel Z200 double skin 1.2mm+1.2mm fiber glass gasket*	AISI316L double skin 1.2mm+1.2mm fiber glass gasket*
Shafts	AISI316 - Ø12mm	AISI316 - Ø12mm
Bushes	bronze self lub. - Ø12mm	bronze self lub. - Ø12mm
Actuator for	SAFE AREA	Belimo BF - Schischek InMax
	ATEX AREA	Schischek ExMax - RedMax

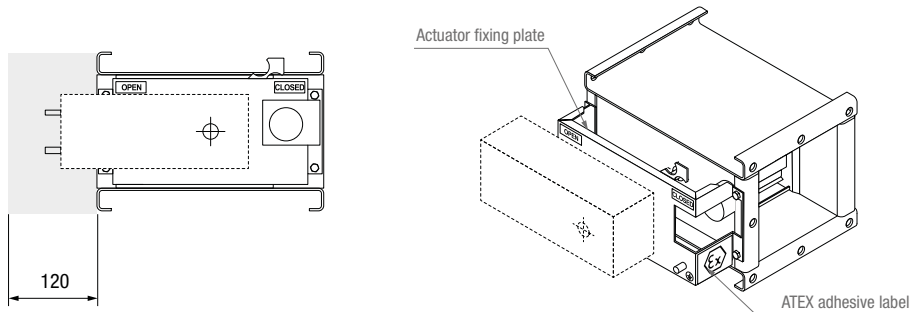
* Non-classified SVF, 20x5mm

ACTUATOR MOUNTED VERTICALLY FOR H>250mm



ACTUATOR MOUNTED HORIZONTALLY FOR H ≤ 250mm

Drilling scheme, see pag. 10

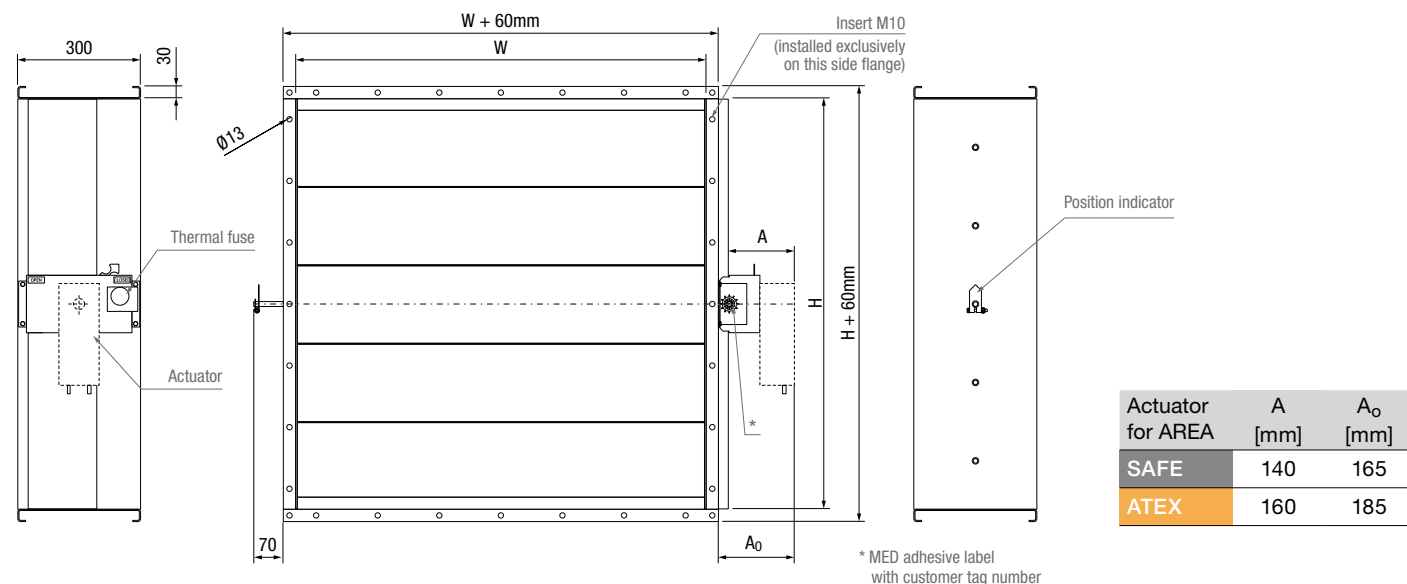


Technical data**SOLAS A60 frame 300mm****SAFE AREA - ATEX AREA** **Features**

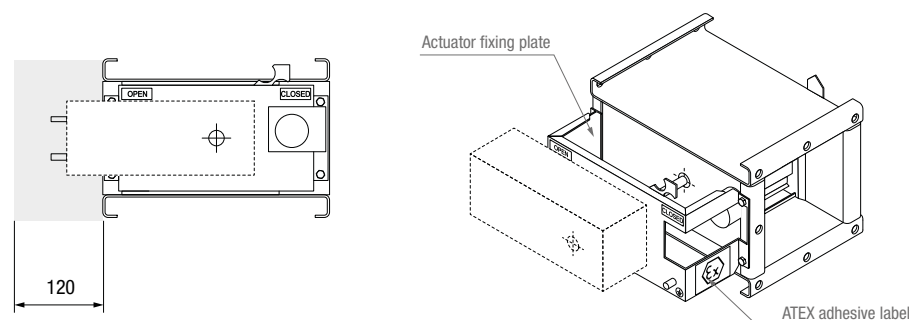
Dimensional range	from 150x150mm to 1000x1000mm step 50mm
Flange	Standard 30mm On request 50mm
Operating temperature range	-40°C / +50°C
Operating air velocity (damper in working condition)	12m/s max
Peak limits (sporadic and for a few seconds)	P = 2500Pa, v = 18m/s
Leakage Class acc. to EN 1751	Standard 2B On request 3C

	Version 5 (300GW)	Version 6 (3006W)
Description	Material	
Casing (welded)	hot dip galv. steel - tk. 3mm	AISI316L - tk. 3mm
Blades	galv. steel Z200 double skin 1.2mm+1.2mm fiber glass gasket*	AISI316L double skin 1.2mm+1.2mm fiber glass gasket*
Shafts	AISI316 - Ø12mm	AISI316 - Ø12mm
Bushes	bronze self lub. - Ø12mm	bronze self lub. - Ø12mm
Actuator for	SAFE AREA	Belimo BF - Schischek InMax
	ATEX AREA	Schischek ExMax - RedMax

* Non-classified SVF, 20x5mm

ACTUATOR MOUNTED VERTICALLY FOR H>250mm**ACTUATOR MOUNTED HORIZONTALLY FOR H ≤ 250mm**

Drilling scheme, see pag. 10

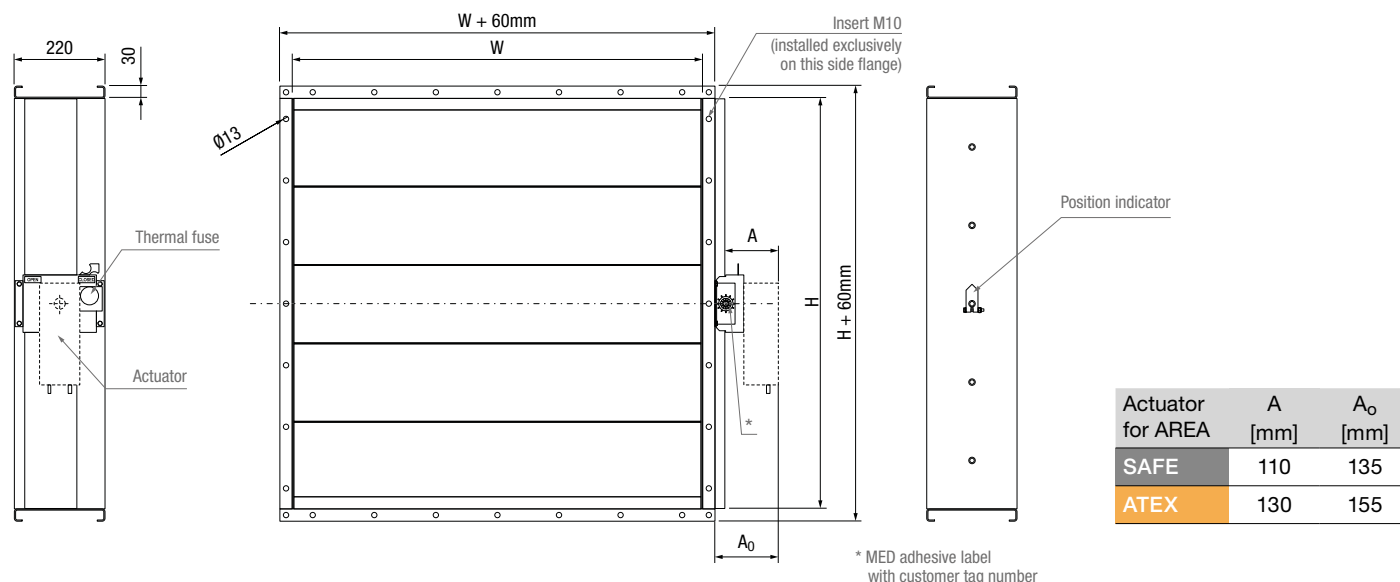


Technical data**SOLAS A0 frame 220mm****SAFE AREA - ATEX AREA** **Features**

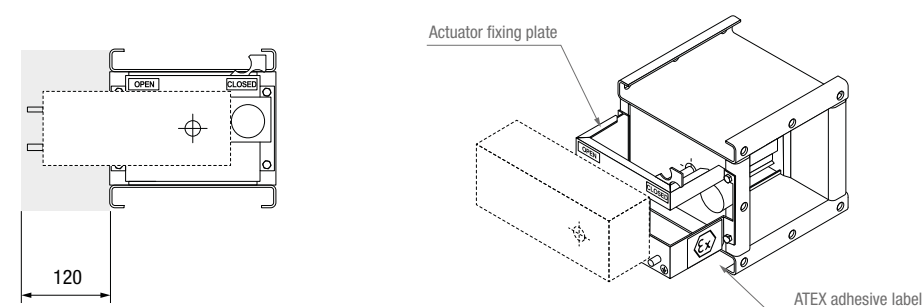
Dimensional range	from 150x150mm to 1000x1000mm step 50mm
Flange	Standard 30mm On request 50mm
Operating temperature range	-40°C / +50°C
Operating air velocity (damper in working condition)	12m/s max
Peak limits (sporadic and for a few seconds)	P=2500Pa, v=18m/s
Leakage Class acc. to EN 1751	Standard 2B On request 3C

	Version 3 (220GW)	Version 4 (2206W)
Description	Material	
Casing (welded)	hot dip galv. steel - tk. 3mm	AISI316L - tk. 3mm
Blades	galv. steel Z200 double skin 1.2mm+1.2mm fiber glass gasket*	AISI316L double skin 1.2mm+1.2mm fiber glass gasket*
Shafts	AISI316 - Ø12mm	AISI316 - Ø12mm
Bushes	bronze self lub. - Ø12mm	bronze self lub. - Ø12mm
Actuator for	SAFE AREA	Belimo BF - Schischek InMax
	ATEX AREA	Schischek ExMax - RedMax

* Non-classified SVF, 20x5mm

ACTUATOR MOUNTED VERTICALLY FOR H>250mm**ACTUATOR MOUNTED HORIZONTALLY FOR H ≤ 250mm**

Drilling scheme, see pag. 10

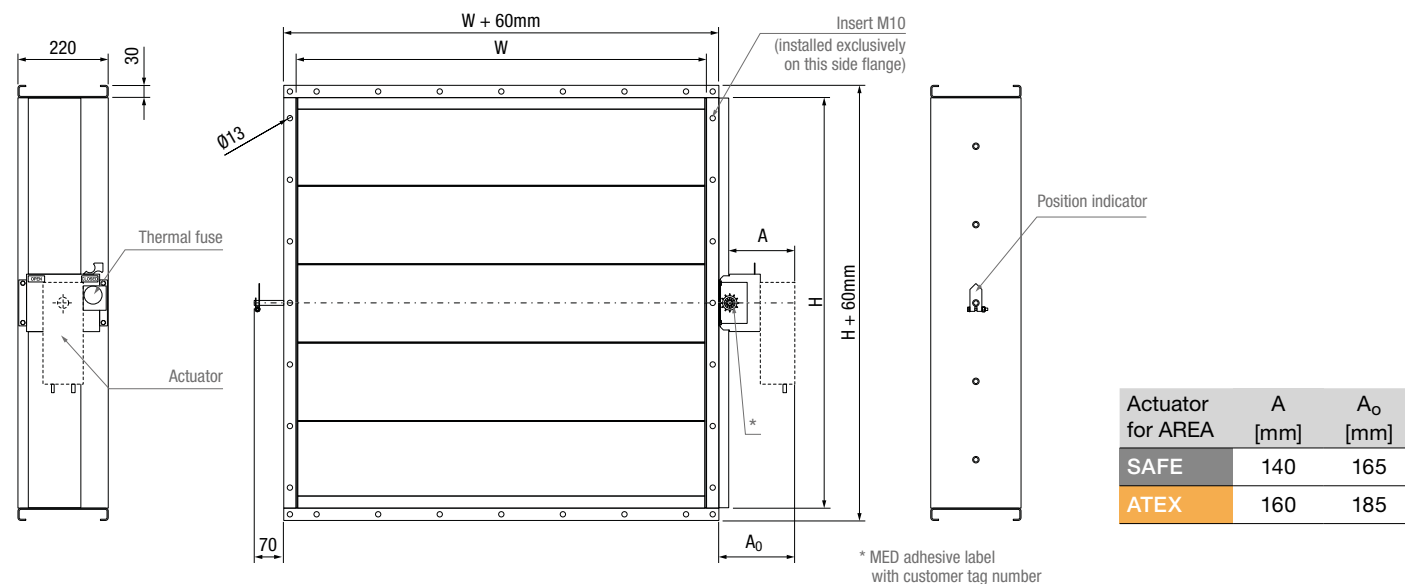


Technical data**SOLAS A60 frame 220mm****SAFE AREA - ATEX AREA** **Features**

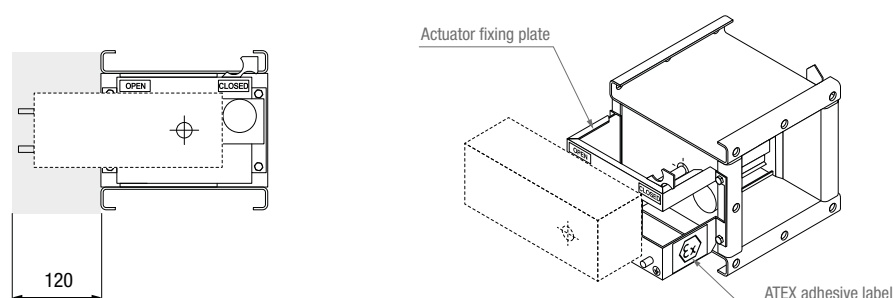
Dimensional range	from 150x150mm to 1000x1000mm step 50mm
Flange	Standard 30mm On request 50mm
Operating temperature range	-40°C / +50°C
Operating air velocity (damper in working condition)	12m/s max
Peak limits (sporadic and for a few seconds)	P = 2500Pa, v = 18m/s
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	Version 3 (220GW)	Version 4 (2206W)
Description	Material	
Casing (welded)	hot dip galv. steel - tk. 3mm	AISI316L - tk. 3mm
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Shafts	AISI316 - Ø12mm	AISI316 - Ø12mm
Bushes	bronze self lub. - Ø12mm	bronze self lub. - Ø12mm
Actuator for	SAFE AREA	Belimo BF - Schischek InMax
	ATEX AREA	Schischek ExMax - RedMax

* Non-classified SVF, 20x5mm

ACTUATOR MOUNTED VERTICALLY FOR H>250mm**ACTUATOR MOUNTED HORIZONTALLY FOR H ≤ 250mm**

Drilling scheme, see pag. 10



Dimensions and Weights

frame 300mm

H [mm]	W [mm]																	
	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
150	9,0	10,1	11,3	12,5	13,7	14,8	16,0	17,2	18,4	19,5	20,7	21,9	23,1	24,2	25,4	26,6	27,8	28,9
200	10,2	11,4	12,6	13,8	15,1	16,3	17,5	18,7	20,0	21,2	22,4	23,6	24,9	26,1	27,3	28,5	29,8	31,0
250	11,2	12,4	13,7	14,9	16,1	17,3	18,6	19,8	21,0	22,2	23,5	24,7	25,9	27,1	28,4	29,6	30,8	32,0
300	12,9	14,3	15,7	17,0	18,4	19,7	21,1	22,5	23,8	25,2	26,5	27,9	29,3	30,6	32,0	33,3	34,7	36,1
350	14,1	15,5	16,9	18,3	19,7	21,1	22,6	24,0	25,4	26,8	28,2	29,6	31,0	32,4	33,8	35,2	36,6	38,0
400	15,3	16,8	18,2	19,7	21,1	22,6	24,0	25,5	26,9	28,4	29,8	31,3	32,7	34,2	35,6	37,1	38,5	40,0
450	16,9	18,4	19,9	21,4	23,0	24,5	26,0	27,5	29,1	30,6	32,1	33,6	35,1	36,7	38,2	39,7	41,2	42,8
500	18,1	19,6	21,2	22,8	24,3	25,9	27,5	29,0	30,6	32,2	33,7	35,3	36,9	38,4	40,0	41,6	43,1	44,7
550	19,2	20,8	22,5	24,1	25,7	27,3	28,9	30,5	32,1	33,8	35,4	37,0	38,6	40,2	41,8	43,4	45,1	46,7
600	20,4	22,1	23,7	25,4	27,1	28,7	30,4	32,0	33,7	35,3	37,0	38,7	40,3	42,0	43,6	45,3	47,0	48,6
650	22,0	23,7	25,4	27,2	28,9	30,6	32,4	34,1	35,8	37,6	39,3	41,0	42,8	44,5	46,2	48,0	49,7	51,4
700	23,2	24,9	26,7	28,5	30,3	32,0	33,8	35,6	37,4	39,2	40,9	42,7	44,5	46,3	48,0	49,8	51,6	53,4
750	24,3	26,2	28,0	29,8	31,6	33,5	35,3	37,1	38,9	40,7	42,6	44,4	46,2	48,0	49,9	51,7	53,5	55,3
800	25,5	27,4	29,3	31,1	33,0	34,9	36,7	38,6	40,5	42,3	44,2	46,1	47,9	49,8	51,7	53,5	55,4	57,3
850	27,1	29,0	31,0	32,9	34,9	36,8	38,7	40,7	42,6	44,6	46,5	48,4	50,4	52,3	54,3	56,2	58,1	60,1
900	28,3	30,3	32,2	34,2	36,2	38,2	40,2	42,2	44,2	46,1	48,1	50,1	52,1	54,1	56,1	58,1	60,1	62,0
950	29,4	31,5	33,5	35,5	37,6	39,6	41,6	43,7	45,7	47,7	49,8	51,8	53,8	55,9	57,9	59,9	62,0	64,0
1000	30,6	32,7	34,8	36,9	38,9	41,0	43,1	45,2	47,3	49,3	51,4	53,5	55,6	57,6	59,7	61,8	63,9	65,9
Weight* [kg]																		

* Weights refer to dampers only without commands or motor (tolerance $\pm 10\%$)

Actuator weights:

- BELIMO BF... 18Nm = 3,1kg
- SCHISCHEK ExMax 15Nm = 3,5kg

Dimensions and Weights

frame 220mm

H [mm]	W [mm]																	
	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
150	7,5	8,5	9,5	10,5	11,5	12,5	13,5	14,4	15,4	16,4	17,4	18,4	19,3	20,3	21,3	22,3	23,3	24,3
200	8,6	9,6	10,6	11,7	12,7	13,7	14,8	15,8	16,8	17,9	18,9	19,9	21,0	22,0	23,0	24,1	25,1	26,1
250	9,4	10,5	11,5	12,5	13,6	14,6	15,6	16,7	17,7	18,7	19,8	20,8	21,8	22,8	23,9	24,9	25,9	27,0
300	11,0	12,1	13,3	14,5	15,6	16,8	18,0	19,1	20,3	21,5	22,6	23,8	25,0	26,1	27,3	28,5	29,6	30,8
350	12,0	13,2	14,4	15,6	16,8	18,0	19,2	20,4	21,6	22,9	24,1	25,3	26,5	27,7	28,9	30,1	31,3	32,5
400	12,9	14,2	15,5	16,7	18,0	19,2	20,5	21,7	23,0	24,3	25,5	26,8	28,0	29,3	30,5	31,8	33,0	34,3
450	14,3	15,6	17,0	18,3	19,6	21,0	22,3	23,6	24,9	26,3	27,6	28,9	30,3	31,6	32,9	34,3	35,6	36,9
500	15,3	16,7	18,1	19,4	20,8	22,2	23,6	24,9	26,3	27,7	29,0	30,4	31,8	33,2	34,5	35,9	37,3	38,7
550	16,3	17,7	19,1	20,6	22,0	23,4	24,8	26,2	27,7	29,1	30,5	31,9	33,3	34,8	36,2	37,6	39,0	40,4
600	17,3	18,7	20,2	21,7	23,1	24,6	26,1	27,5	29,0	30,5	31,9	33,4	34,9	36,3	37,8	39,3	40,7	42,2
650	18,6	20,2	21,7	23,3	24,8	26,3	27,9	29,4	31,0	32,5	34,0	35,6	37,1	38,6	40,2	41,7	43,3	44,8
700	19,6	21,2	22,8	24,4	26,0	27,6	29,1	30,7	32,3	33,9	35,5	37,1	38,6	40,2	41,8	43,4	45,0	46,6
750	20,6	22,3	23,9	25,5	27,1	28,8	30,4	32,0	33,7	35,3	36,9	38,5	40,2	41,8	43,4	45,1	46,7	48,3
800	21,6	23,3	25,0	26,6	28,3	30,0	31,7	33,3	35,0	36,7	38,4	40,0	41,7	43,4	45,1	46,7	48,4	50,1
850	23,0	24,7	26,5	28,2	30,0	31,7	33,5	35,2	37,0	38,7	40,5	42,2	44,0	45,7	47,4	49,2	50,9	52,7
900	24,0	25,8	27,6	29,3	31,1	32,9	34,7	36,5	38,3	40,1	41,9	43,7	45,5	47,3	49,1	50,9	52,7	54,5
950	25,0	26,8	28,6	30,5	32,3	34,1	36,0	37,8	39,7	41,5	43,3	45,2	47,0	48,9	50,7	52,5	54,4	56,2
1000	25,9	27,8	29,7	31,6	33,5	35,4	37,2	39,1	41,0	42,9	44,8	46,7	48,6	50,4	52,3	54,2	56,1	58,0
Weight* [kg]																		

* Weights refer to dampers only without commands or motor (tolerance $\pm 10\%$)

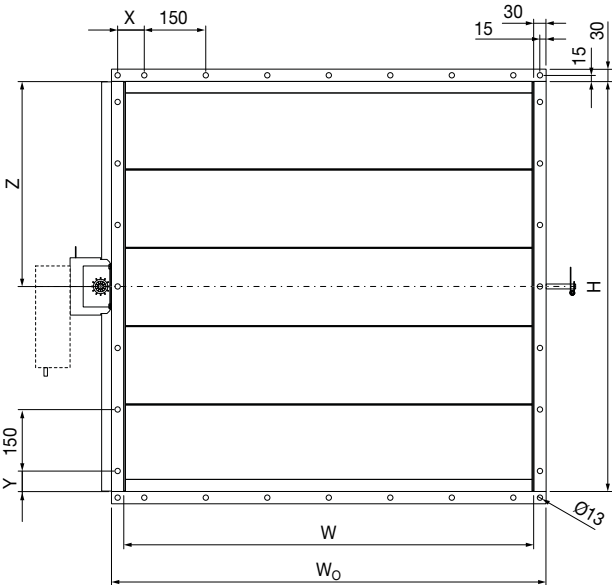
Actuator weights:

- BELIMO BF... 18Nm = 3,1kg
- SCHISCHEK ExMax 15Nm = 3,5kg

Drilling scheme
Flange 30mm

W [mm]	W _O [mm]	X [mm]	H [mm]	n° Blades	CONTROL SHAFT POSITION (n° blades from top)	Z [mm]	Y [mm]
150	210	90	150	1	1	75,0	75
200	260	115	200	1	1	100,0	100
250	310	140	250	1	1	125,0	125
300	360	165	300	2	1	79,5	150
350	410	40	350	2	1	104,5	175
400	460	65	400	2	1	104,5	50
450	510	90	450	3	2	225,0	75
500	560	115	500	3	2	250,0	100
550	610	140	550	3	2	275,0	125
600	660	165	600	3	2	300,0	150
650	710	40	650	4	2	254,5	175
700	760	65	700	4	2	254,5	50
750	810	90	750	4	3	445,5	75
800	860	115	800	4	3	495,5	100
850	910	140	850	5	3	425,0	125
900	960	165	900	5	3	450,0	150
950	1010	40	950	5	3	475,0	175
1000	1060	65	1000	5	3	500,0	50

Upon request, drilling scheme with 50mm flange is available.



Installation

Bulkhead and Deck

All installations shall be carried out in accordance with SOLAS II-2/9.7.3

MINIMUM TOTAL LENGTH

The installation procedures are based on the way the test samples have been tested, classified, type-approved and certified as SOLAS A0 without insulation or A60 with proper insulation. All tests have been performed in accordance to the International Code for Application of Fire Test Procedures (2010 FTP Code), in force at the time of the certification.

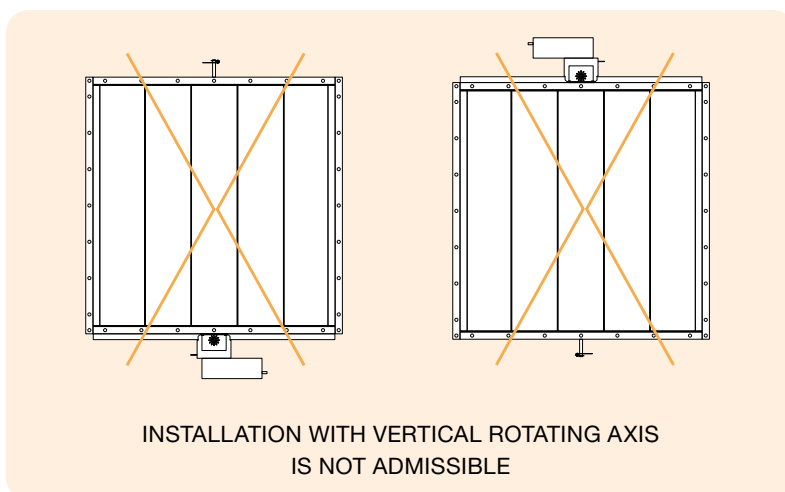
Bulkheads and Decks have to be class "A" according to 2010 FTP Code Annex 1, part 3, Appendix 1. In particular, dimensions, thickness, stiffness, spacing, dampers spacing, have to be compliant and suitable to class A bulkheads and decks.

Coamings, the thick wall of air ducts which extend from the bulkhead or from the deck, shall be in accordance with SOLAS requirements.

Frame L	Coaming Lc	Coaming insulation Li
	A0	A60
220	615	940
300	575	900

All indicated measures are in millimetres

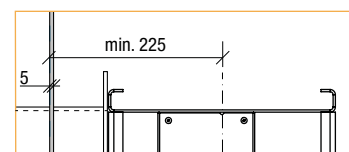
- The damper shall be bolted to the coaming by means of bolts and nuts. For ease of installation, socket screws M10x25 are suggested
- Bolt tightening torque = 40Nm (acc. to suggested screws)
- Insert a bio-soluble fiber paper gaskets 20x5mm between damper and coaming flanges
- The damper shall be installed on a certified A0-A60 Bulkhead or Deck
- The coaming thickness shall be at least 5mm, acc. to SOLAS requirements (2010 FTP Code Annex 1, Part 3, Appendix 2)
- Only for A60 the insulation shall be 60mm thick at least and the insulating material shall have a density of 100kg/m³ and shall be a rockwool insulating material. We recommend the use of Rockwool SEAROX SL620.



Picture only for illustration purposes

Installation

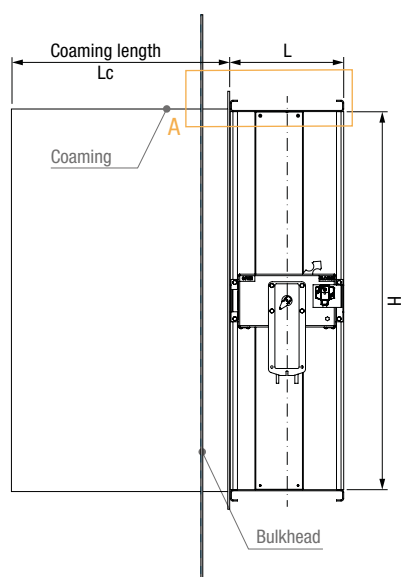
Bulkhead and Deck



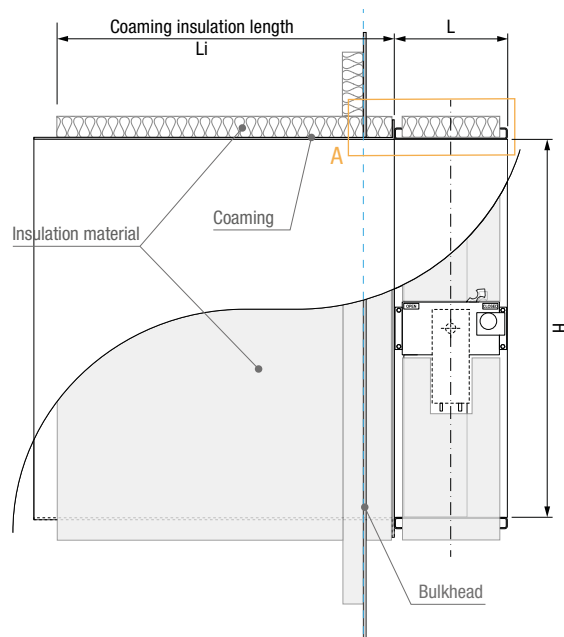
Detail A

BULKHEAD

A0

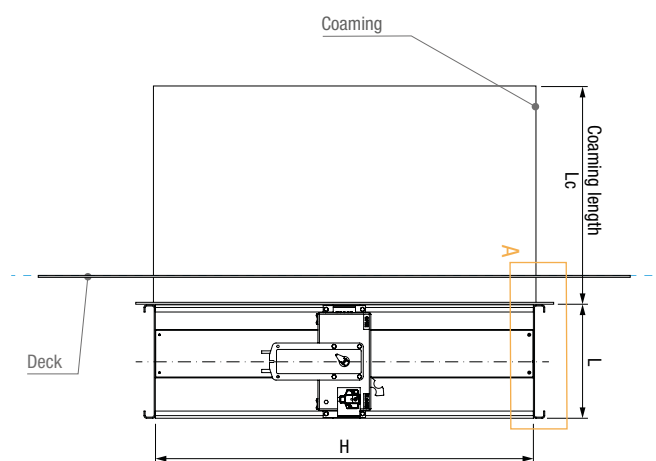


A60

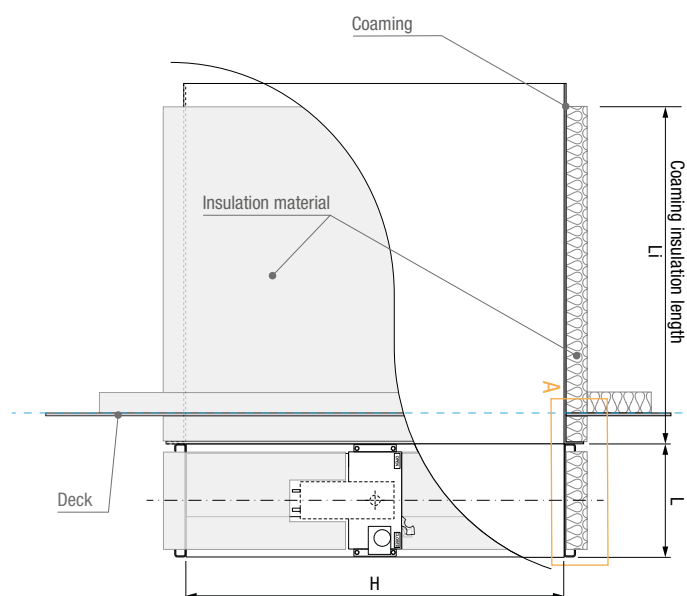


DECK

A0



A60



Maintenance

Prior to any intervention on the product use the necessary and required Personal Protection Equipment (PPE) and then switch off the power supply to the command systems (actuator).

- Use NON-acid and NON-abrasive liquids or substances for cleaning (for example Arexons Fulcron).
- Do not paint levers or shaft.
- Bushes are self lubricating. Do not use lubricant.
- If needed, for levers use spray lubricant and not paste lubricants or grease.
- Periodically, every 6 months, check the damper movement by making the actuator execute one full open-close cycle; remove solid residue in the bushes-shafts gaps.

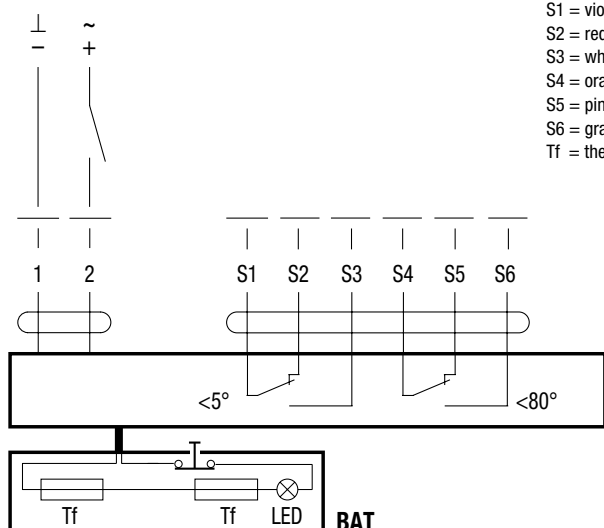
Description	On-off, spring-return	
Torque	18Nm	
	12Nm	
Power	24VAC/DC (at rest 2W)	BF24TN
	230VAC (at rest 3W)	BF230TN
Angle of rotation	95°	
Running time	< 120s	
	16s	
Dimensions (LxWxH)	248x98x58,6mm	
Shaft	square 12x12mm	

Safety temperature trigger
Thermal fuse
(Available for 72-95-120-140°C)

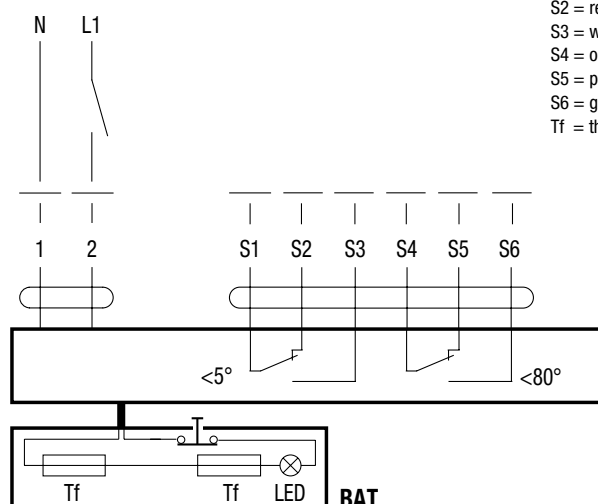
Zone **SAFE AREA**

Servo motor 90°
AC/DC 24V - AC 230V
18Nm / 12Nm
with BAT

Cable colours:
1 = black
2 = white
S1 = violet
S2 = red
S3 = white
S4 = orange
S5 = pink
S6 = gray
Tf = thermal fuse



Cable colours:
 1 = blue
 2 = brown
 S1 = violet
 S2 = red
 S3 = white
 S4 = orange
 S5 = pink
 S6 = gray
 Tf = thermal fuse



Electrical actuator SCHISCHEK

Description	On-off 3-pos., spring-return, 2 micro switches, IP66
Torque	15Nm
Power	24...240VAC/DC (at rest 5W)
Angle of rotation	95°
Running time	 3s / 15s / 30s / 60s / 120s  3s / 10s
Dimensions (LxWxH)	210 x 95 x 80mm
Shaft	square 12x12mm 

..Pro-TT



Safety temperature trigger
Thermal fuse
(Available for 72-95°C)

Model	InMax 15-BF	RedMax 15-BF	ExMax 15-BF
			
Zone	SAFE AREA	ATEX AREA ZONE 2, 22 GAS + DUST	ATEX AREA ZONE 1, 2, 21, 22 GAS + DUST

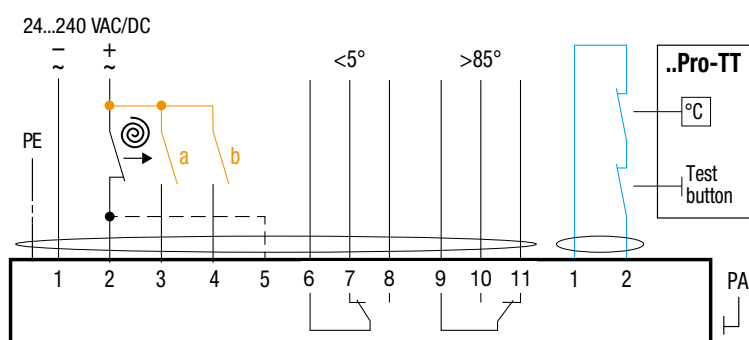
ELECTRICAL INSTALLATION

For 3-pos variation: add orange connection (a and b on 3 and 4)

For standard wiring: Spring return in 10s

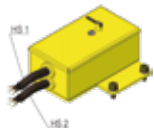
For additional wiring on terminal 5: Spring return in 3s

On-off / 3 pos. - spring return + tripping circuit



Accessoires and spare parts

SWITCHES



Code	Description	
InSwitch	Pair of external auxiliary microswitches	for InMax 15-BF
RedSwitch	Pair of external auxiliary microswitches	for RedMax 15-BF
ExSwitch	Pair of external auxiliary microswitches	for ExMax 15-BF



SN2-C7	2 adjustable external auxiliary contacts	for BF..TN
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THERMAL FUSE



Code	Description	
InPro-TT 72°C	Complete thermal fuse 72°C	for InMax 15-BF
ExPro-TT 72°C	Complete thermal fuse 72°C	for RedMax 15-BF and ExMax 15-BF
NormSafe-S4 95°C	Complete thermal fuse 95°C	for InMax 15-BF
FireSafe-S4 95°C	Complete thermal fuse 95°C	for RedMax 15-BF and ExMax 15-BF



ZBAT72	Fuse at 72°C for BAT device (colour black)	for BF..TN
ZBAT95	Fuse at 95°C for BAT device (colour grey)	for BF..TN
ZBAT120	Fuse at 120°C for BAT device (colour orange)	for BF..TN
ZBAT140	Fuse at 140°C for BAT device (colour red)	for BF..TN

For the replacement of the old model ZBAE, contact our sales department

JUNCTION BOXES



Code	Description	
InBox-BF	11 terminals, 3 cable glands	for InMax 15-BF
InBox-BF/SW	5+6 terminals + 6 terminals, 4 glands + 1 duplex gland	for InMax 15-BF with InSwitch
RedBox-BF	11 terminals, 3 cable glands	for RedMax 15-BF
RedBox-BF/SW	5+6 terminals + 6 terminals, 4 glands + 1 duplex gland	for RedMax 15-BF with RedSwitch
ExBox-BF	11 terminals, 3 cable glands	for ExMax 15-BF
ExBox-BF/SW	5+6 terminals + 6 terminals, 4 glands + 1 duplex gland	for ExMax 15-BF with ExSwitch

Accessories and spare parts

Square-to-round connection

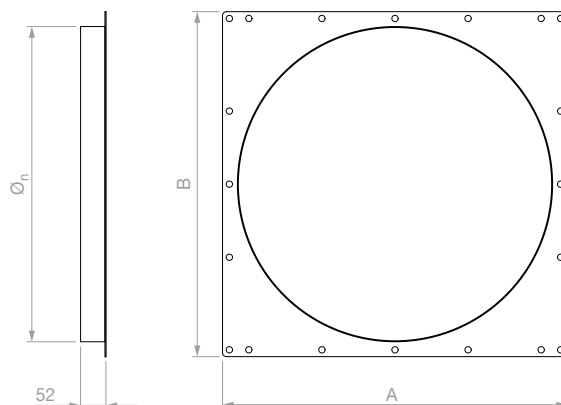
MATERIAL

Available in galvanized steel (Z275) or stainless steel AISI316L.

Damper flange [mm]	A [mm]	B [mm]
30	W+58	H+58
50	W+98	H+98

Round spigot⁽²⁾ intermittent seam welded to the square plate⁽¹⁾ and air tightly sealed after welding.

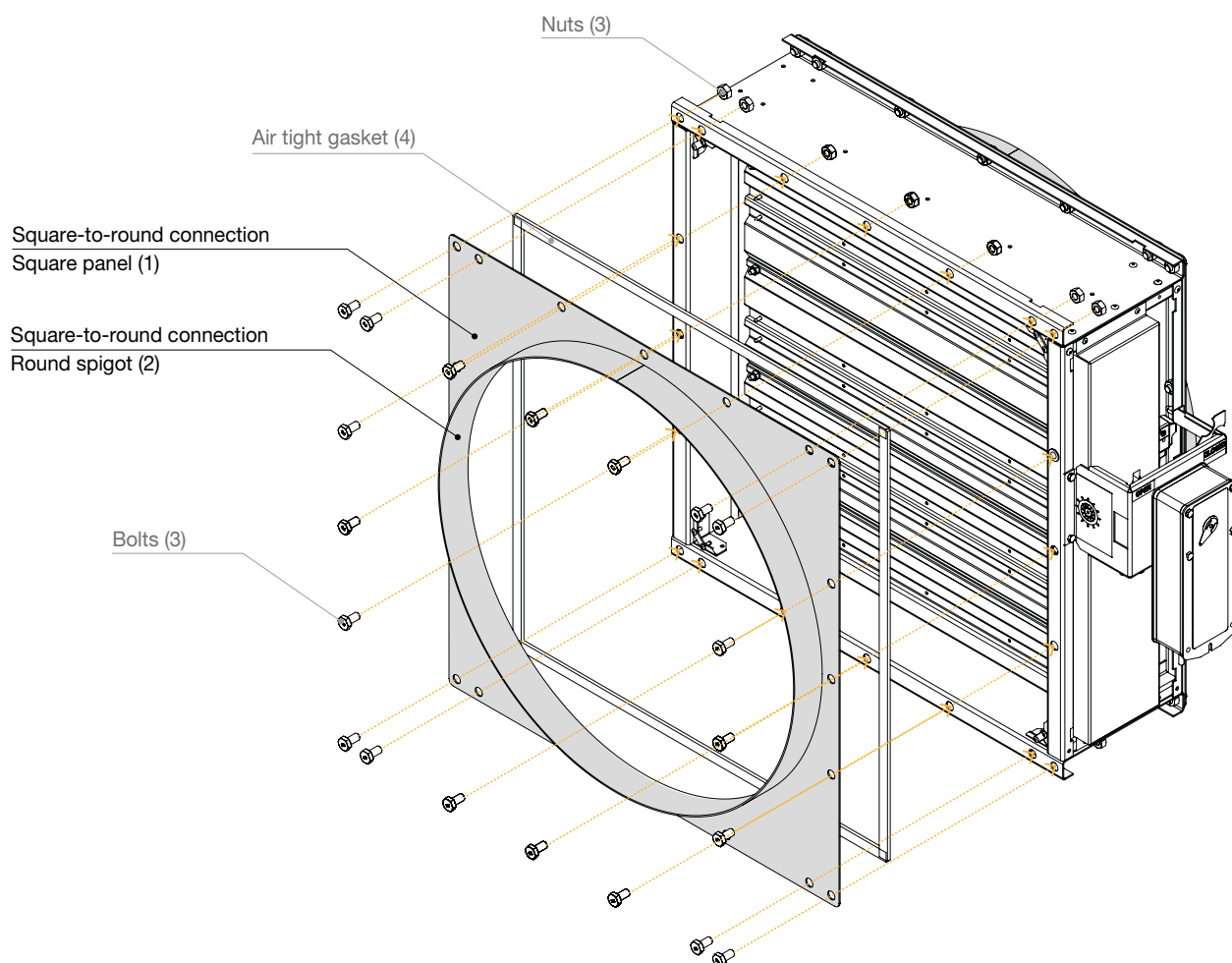
- Z275 version: weldings cleaned and brushed, coated with primer paint and then sealed;
- AISI316L version: weldings cleaned, pickled and then sealed.



The square-to-round connection can be installed on both sides of the damper.

Supplied loose:

- Bolts⁽³⁾ and nuts⁽³⁾ for fixing on damper (maximum tightening torque 25Nm);
- Air tight gasket⁽⁴⁾ between damper flange and fitting



Accessories and spare parts

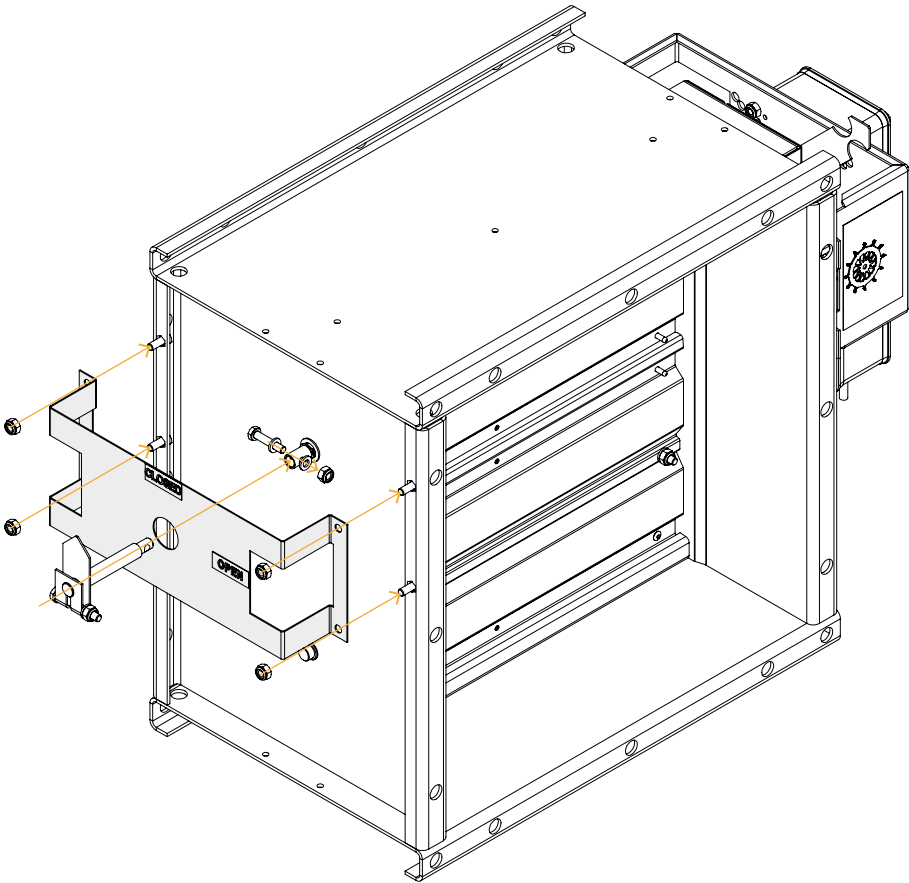
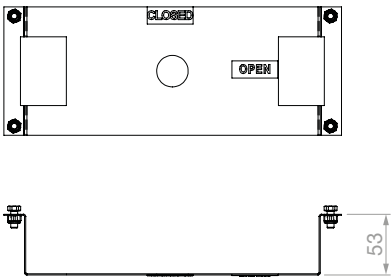
Open-close indicator plate

MATERIAL

Available in stainless steel AISI316 or galvanized steel (Z140)

The open-close indicator panel includes:

- plate with open/close labels
- 4 bolts M6x15



Damper frame [mm]	Material	Order Code	
		Flange 30mm	Flange 50mm
220	Stainless steel AISI316L	NR66PI220300	NR66PI220500
	Galvanized steel (Z140)	NRZ6PI220300	NRZ6PI220500
300	Stainless steel AISI316L	NR66PI300300	NR66PI300500
	Galvanized steel (Z140)	NRZ6PI300300	NRZ6PI300500

Only for damper S-LFD SOLAS A60

Accessories and spare parts

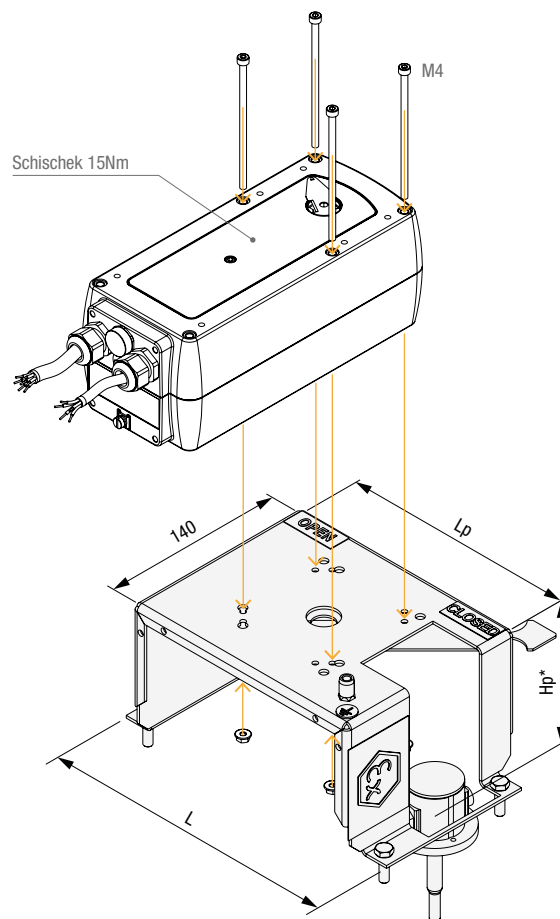
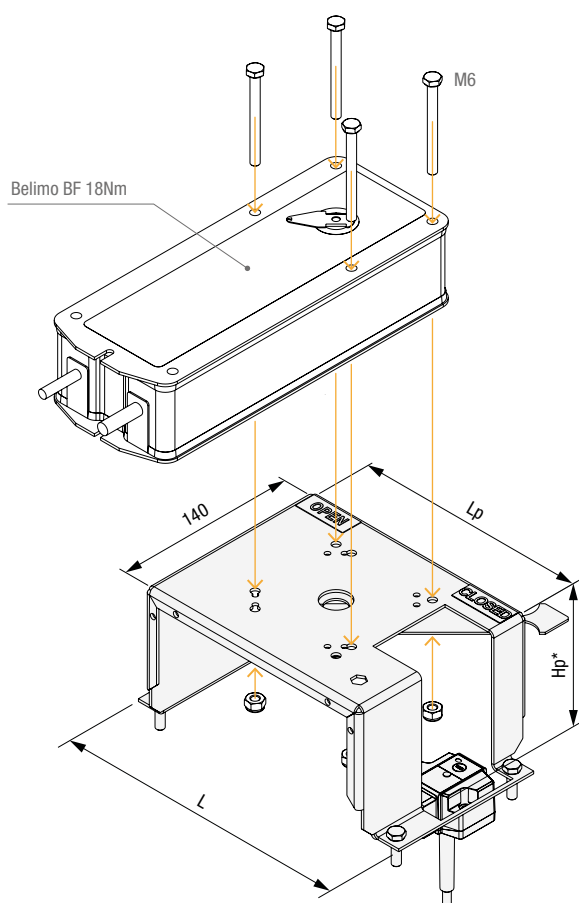
Spare actuator mounting plate

MATERIAL

Available in stainless steel (AISI316L) or galvanized steel (Z275).

Frame L [mm]	A0		A60	
	Dimensions [mm]			
	H _p [*]	L _p	H _p [*]	L _p
300	70	178	100	178
220	70	258	100	258

* If the damper flange is 50mm, these quotes are reduced by 20mm





How to order

1	CATEGORY																		
N	MOG Damper																		

2	MODEL																		
L	S-LFD Fire damper																		

3	VERSION																		
3	Frame220 Galv.Steel welded (220GW)																		
4	Frame220 AISI316L welded (2206W)																		
5	Frame300 Galv.Steel welded (300GW)																		
6	Frame300 AISI316L welded (3006W)																		

4	SOLAS																		
0	A0																		
6	A60																		

5	TIGHTNESS																		
B	Class 2B																		
C	Class 3C																		

6	AREA																		
0	Suitable for SAFE AREA																		
X	Suitable for ATEX ZONE 1,2,2																		

7	8	9	ACTUATOR																
B	4	1	BF24TRI																
B	4	2	BF230TRI																
B	4	3	BF24TRI/500 + SN2/500 + ZSN-BF + CARTER type 0																
...	...	...	other																
X	0	1	RedMax15BF - ExPro-TT																
X	0	3	ExMax15BF - ExPro-TT																
...	...	...	other																

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
N	L	5	6	B	0	B	4	2	1	0	0	0	1	0	0	0	3	0	0

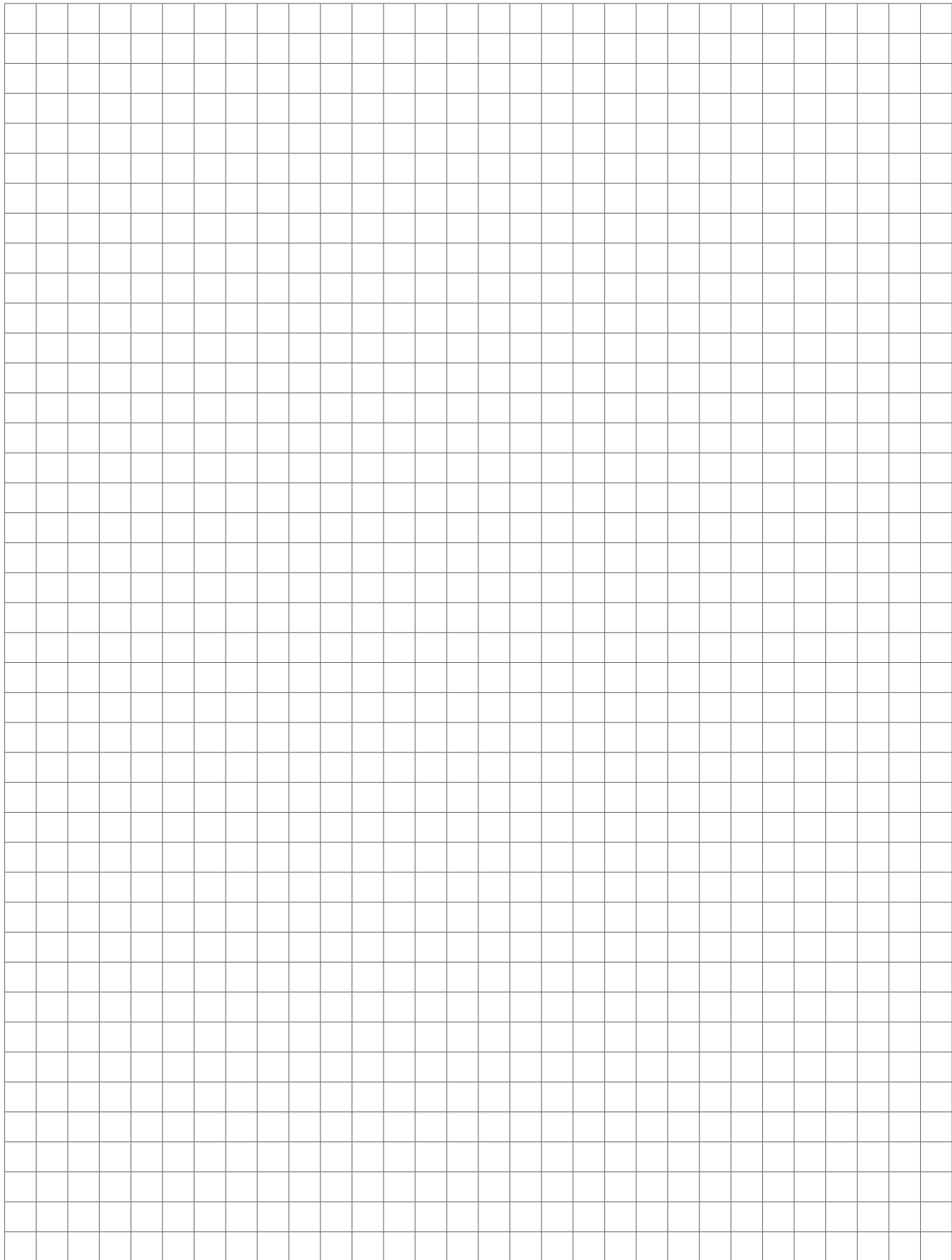
DIMENSION W x H									10	11	12	13	14	15	16	17
1000 x 1000mm									1	0	0	0	1	0	0	0
400 x 500mm									0	4	0	0	0	5	0	0
1000 x 150mm									1	0	0	0	0	1	5	0
other									...	...	...	...	...	...	...	...

FLANGES																	18	19	20
Flanges 30 Std Drilling scheme (F3)																	3	0	0
Flanges 50 Std Drilling scheme (F5)																	5	0	0
other																	...	...	...

COMPLETE PRODUCT CODING (dimensions in mm)

Order Code	Description	
	Damper features	Actuator and Accessories
NL56B0B4210001000300	S-LFD A60 2B 1000x1000x300GW F3	BF230TRI





SagiCofim S.p.A. Single Member Company

*subject to the management and coordination
of SYSTEMAIR AKTIEBOLAG*

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CERTIFIED MANAGEMENT SYSTEM
ISO 9001 - ISO 14001

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