

MECHANICA



ADJUSTABLE HINGE FOR DOOR

Tested to 1.000.000 of opening/closing cycles

Super-fast adjustment

Easy and precise installation

Carrying capacity and endurance tested RAL150 Kg.

for any details about certificates
EB2/150 and EB3/150 certificates
please see pages 6 - 7 - 8



**TÜV
CERT**
DIN EN ISO 9001:2000
Cert.No.:01 100 000250

GB 11/2002

AV SAVIO

MECHANICA by SAVIO: we have



MECHANICA

EXCLUSIVE MECHANICA PATENTS

The MECHANICA hinge is covered by 5 exclusive patents, among which:

- Adjustment system with cam device.
- Alignment of pin, bushing and adjustment grub screw (which increases fatigue life).
- Self-centring clamp screws.
- Increaser for counterplates.
- Adjustment of closing pressure by means of eccentric bushing with three settings.

attained the most challenging record of all ...simplicity.

SUPER-FAST ADJUSTMENT

Thanks to its innovative concept, covered by five exclusive patents, the MECHANICA hinge is adjusted intuitively, by sight, without having to waste time on complex operations and calculations.

EASY AND PRECISE INSTALLATION

With the MECHANICA hinge, all three adjustments (lateral, closing pressure and height) are independent from each other and are regulated by millimetric increments, with two standard socket-head wrenches and.....easy hand movements.

RAL-TESTED CARRYING CAPACITY AND ENDURANCE



The MECHANICA hinge is the only one to have passed the stringent German RAL EB2/150 and EB3/150 tests for a carrying capacity of 150 Kg. Also its endurance is a record-breaker too, having brilliantly undergone **1.000.000 cycles tested** by the German laboratory of "Gütegemeinschaft Schlösser und Beschläge".

AN UNBEATABLE QUALITY-PRICE RATIO

The RAL certification, along with its technological and applicative values, make MECHANICA the "top-gun" of heavy-duty hinges. At the same time its constructive concept makes its price equal to or less than the average market price: a top-gun at your disposal for all occasions.

MECHANICA: adjustable hinge for doors

Special screws with countersunk under head: they are self-centring on the profile machining and assure the perfect positioning of the hinge, reducing clearance, as opposed to hinges with bushing.

Self lubricating eccentric bushing: gasket pressure adjustable by bushing positioning.

Vertical grub screw for easy vertical adjustment.

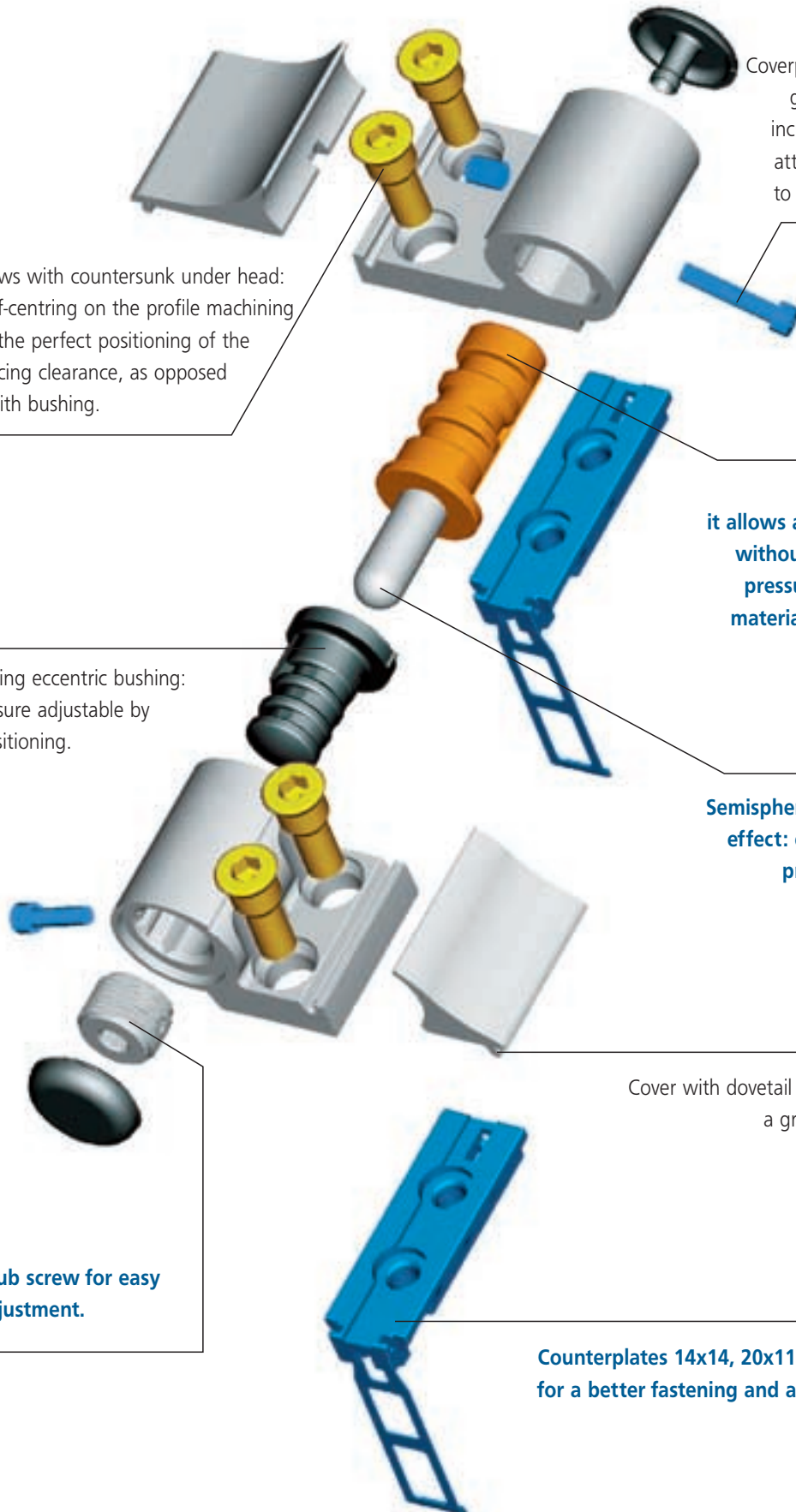
Coverplate fixing screws: with progressive gripping action, they increase safety against burglary attempt and they're impossible to access with the door closed.

Cam device bushing: it allows an easy lateral adjustment without changing gaskets pull-in pressure; moreover the metallic material of the bushing gives the hinge greater stability.

Semispheric pin with thrust bearing effect: even very high axial loads produce low rotation stress and friction.

Cover with dovetail joint that prevents lifting for a greater anti-burglar resistance.

Counterplates 14x14, 20x11 or with universal adapter for a better fastening and applicability to all different profile sections.



Three easy, convenient and independent adjustments

2-WING HINGE



Lateral adjustment

Visual, convenient, micrometric - just turn the upper metal bushing (-/+2 mm)

Adjustment of closing pressure

Just rotate the lower bushing to the three different settings (-0.5/0/+0.5 mm)

Height adjustment

Just rotate the grub screw, even with the door already installed (-0/+3 mm)



3-WING HINGE

...without moving the upper wing

After RAL EB1/150, Mechanica obtained the prestigious EB2 and EB3 that guarantee the maximum solidity. Mechanica had already obtained in the year 2000 RAL EB1/150 by the German laboratory "Gütegemeinschaft Schlösser und Beschläge e.v."

This goal has been reached thanks to other stringent German tests.

Mechanica 2-wing hinge achieved **EB2** thanks to its resistance to stress until to 600 Kg.; **Mechanica 3-wing** hinge achieved **EB3**, having contrasted a force equal to 1000 Kg.

For Savio, this hinge proves a real success in the field of security, making burglary attempts even with specialist tools, more and more difficult.

Mechanica had already obtained a recognition for endurance thanks to the most advanced research and technology. Indeed, after having passed 200.000 opening/closing cycles, the test had been repeated successfully until 1.000.000. of cycles.

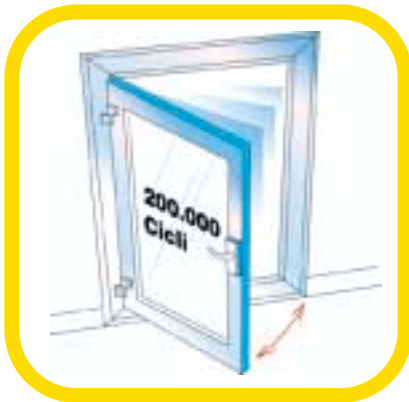


2-wing
MECHANICA



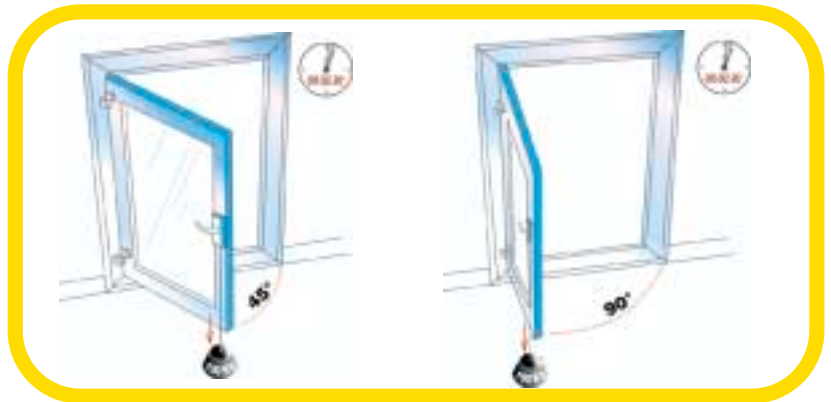
3-wing
MECHANICA

RAL tests (guarantee of carrying capacity and performance)



Endurance tests

The door is submitted to 200.000 opening/closing cycles.



Additional load

The door is turned by 45° and a load applied equal to 100 Kg. for the duration of 2.5 minutes; the test is then repeated with the door turned by 90°. Door 180 kg + additional load Kg. = 280 Kg.



Dynamic impact

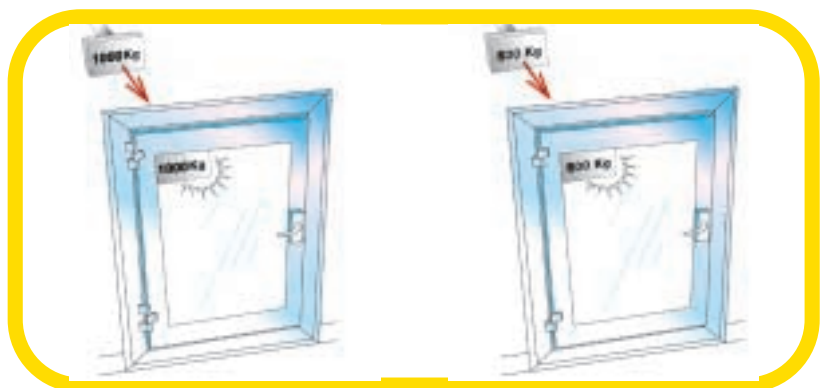
A leather bag weighing 45 Kg. is made to drop 5 times in the centre of gravity of the door; before each subsequent load, it is checked that the bag has regained its spherical shape.

EB test (guarantee of security against intrusion)



Dynamic impact

A leather bag weighing 45 Kg. is made to drop 5 times on the top hinge, then on the bottom hinge; before each subsequent load, it is checked that the bag has regained its spherical shape.



Static load with horizontal force

Using a hydraulic actuating device, a force equal to 600 Kg. (2-wing Mechanica) and 1000 Kg. (3-wing Mechanica) is applied first on the top hinge, then on the bottom hinge.

VERLEIHUNGS- URKUNDE

Nr. 2-1/00

Die Gütegemeinschaft Schlösser und Beschläge e.V. verleiht hiermit aufgrund der ihrem Güteausschuß vorliegenden Prüfprotokolle dem

COPY

**Türband MECHANICA
1146 / 62,5 und 1145 / 60**

der Mitgliedsfirma

SAVIO Spa, I-10050 Chiusa San Michele (TO)

das vom RAL (Deutsches Institut für Gütesicherung und Kennzeichnung e.V.) anerkannte und durch Eintragung beim Deutschen Patentamt als Kollektivmarke geschützte Gütezeichen Schlösser und Beschläge mit der Inschrift „Tür- und Sicherheitstürbänder“



**in der Klasse EB2/150, auf Zarge und Türblatt Aluminium, geprüft nach
RAL-RG 607/8, Ausgabe 05.98**

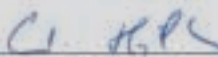
* Profil: Esa Alluminio Serie BLINDALL 60, siehe Befestigung P12079 v.13.02.01
in Montageanleitung 89010503/505

Die Führung des Zeichens setzt die Einhaltung und Überwachung nach dieser
Güte- und Prüfbestimmung voraus.

Die Kennzeichnung, die Gültigkeit und die wesentlichen Bestandteile des geprüften Produktes sind in dem
gleichlautenden Prüfprotokoll beschrieben.

D-42551 Velbert, den 29. September 2001

Gütegemeinschaft Schlösser und Beschläge e.V.


Geschäftsführer



1. Änderung 04.11.2002

VERLEIHUNGS- URKUNDE

Nr. 2-5/00

Die Gütegemeinschaft Schlösser und Beschläge e.V. verleiht hiermit aufgrund der ihrem Güteausschuß vorliegenden Prüfprotokolle dem

COPY

Türband MECHANICA
1146.3 / 62,5 und 1145.3 / 60

der Mitgliedsfirma

SAVIO Spa, I-10050 Chiusa San Michele (TO)

das vom RAL (Deutsches Institut für Gütesicherung und Kennzeichnung e.V.) anerkannte und durch Eintragung beim Deutschen Patentamt als Kollektivmarke geschützte Gütezeichen Schlösser und Beschläge mit der Inschrift „Tür- und Sicherheitstürbänder“



**in der Klasse EB3/150, auf Zarge und Türblatt Aluminium, geprüft nach
RAL-RG 607/8, Ausgabe 05.98**

* Profil: Esa Alluminio Serie BLINDALL 60, siehe Befestigung P12080 v. 06.02.01
in Montageanleitung 89010506/507

**Führung des Zeichens setzt die Einhaltung und Überwachung nach dieser
Güte- und Prüfbestimmung voraus.**

Die Kennzeichnung, die Gültigkeit und die wesentlichen Bestandteile des geprüften Produktes sind in dem gleichlautenden Prüfprotokoll beschrieben.

D-42551 Velbert, den 29. September 2001

Gütegemeinschaft Schlösser und Beschläge e.V.

Geschäftsführer



1. Änderung 04.11.2002

2-wing range


Art.	Description	Pcs.	Finishing
 1145/53 1145/60MR 1145/67MR	<p>(patented) 2-wing adjustable hinge made of aluminium for narrow frame, centre distance of 53-60-67 mm., centre of rotation 20 mm., 0 mm. step.</p> <p>Including: 1 stainless steel pin Ø 11 mm., pre-assembled on a black galvanized zamak cam bushing, 2 aluminium coverplates, 2 nylon caps, 1 self-lubricating bushing, 1 zamak adjustment grub screw.</p> <p>Complete with galvanized fastening kit, consisting of: 1 zamak counterplate 14x14 mm., 2 pre-hardened burnished steel leaf spring, 1 extruded aluminium counterplate 9x14 mm., 2 galvanized screws M8x28 for counterplate fastening (leaf side), 2 galvanized screws M6x20 for counterplate fastening (frame side), 2 centring bushings for frame side, 2 galvanized screws for coverplate fastening (TCEI M4x16 and M4x14), 1 galvanized grub screw M6x8 for cam bushing fastening.</p> <p>Carrying capacity: 2 hinges 80 Kg., 3 hinges 100 Kg.</p>	20	(art. 1145/53) C, F, ZE, NE, HL, 1013, 1015, 1247 ANAG, 8019, 9005, 9010, 9010 SAT, 9016 (art. 1145/60MR e 1145/67MR) F, NE, 9010
	<p>(patented) 2-wing adjustable hinge made of aluminium, centre distance of 60 - 67 - 79 - 86 - 93 mm., centre of rotation 20 mm., 0 mm step.</p> <p>Including: 1 stainless steel pin Ø 11 mm., pre-assembled on a black galvanized zamak cam bushing, 2 aluminium coverplates, 2 nylon caps, 1 self-lubricating bushing, 1 zamak adjustment grub screw.</p> <p>*only 1145/60 also available in PVD H, PVD X e XSD and each bag contains 4 pieces.</p>		20
 1145/60* 1145/67 1145/79 1145/86 1145/93 1145/93SM	<p>(patented) Like 1145/93 but with symmetric wings.</p>		

Notes: Each 2-wing MECHANICA package contains, 2 cover holding clips

2-wing hinge fastening kit

Art.	Description	Pcs.
 1145.704 1145.705	<p>(patented) Galvanized fastening kit for flat profiles, consisting of: 2 zamak counterplates 14x14 mm., 4 galvanized special screws M8x28 for counterplates fixing, 2 galvanized screws TCEI M4x16 for coverplate fixing, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.</p>	20
	<p>(patented) Stainless steel fastening kit for flat profiles, consisting of: 2 zamak counterplates 14x14 mm., 4 stainless steel special screws M8x28 for counterplates fixing, 2 stainless steel screws TCEI M4x16 for coverplate fixing, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.</p>	20
 1145.706 1145.707	<p>(patented) Galvanized fastening kit for flat profiles, consisting of: 2 zamak counterplates 20x11 mm., 4 galvanized special screws M8x28 for counterplates fixing, 2 stainless steel screws TCEI M4x16 for coverplate fixing, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.</p>	20
	<p>(patented) Stainless steel fastening kit for flat profiles, consisting of: 2 zamak counterplates 20x11 mm., 4 stainless steel special screws M8x28 for counterplates fixing, 2 stainless steel screws TCEI M4x16 for coverplate fixing, 1 stainless steel grub screw M6x8 for cam bushing fastening, 2 stainless steel leaf springs.</p>	20
 1145.710 1145.711	<p>((patented) Galvanized fastening kit for overlapped profiles and thermal break profiles, consisting of: 2 zamak counterplates 14x14 mm., 2 galvanized special screws M8x28 for counterplates fixing, 2 galvanized screws TCEI M4x16 for coverplate fixing, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.</p>	20
	<p>(patented) Stainless steel fastening kit for overlapped profiles and thermal break profiles, consisting of: 2 zamak counterplates 14x14 mm., 2 stainless steel special screws M8x28 for counterplates fixing, 2 stainless steel screws TCEI M4x16 for coverplate fixing, 1 stainless steel grub screw M6x8 for cam bushing fastening, 2 stainless steel leaf springs.</p>	20
 1145.805	<p>(patented) Zamak width adapter for counterplate 14x14 mm.</p>	100

3-wing range

	Art.	Description	Pcs.	Finishing
	1145.3/60 1145.3/67 1145.3/79 1145.3/93	<p>(patented) 3-wing adjustable door hinge made of aluminium, distance between centres of 60 - 67 - 79 - 93 mm, centre of rotation 20 mm, step 0 mm.</p> <p>Including: 1 stainless steel pin Ø 11 mm., pre-assembled on black galvanized zamak cam device bushing, 3 aluminium coverplates, 2 nylon caps, 2 nylon self-lubricating bushings, 1 zamak adjustment grub screw, 1 nylon spacer for counterplates and 1 rubber ring.</p>	10 5 boxes containing 2 pieces	C, F, ZE, NE, HL, 1013, 8019, 9005, 9010

Notes: Each 3-wing MECHANICA package contains, 1 cover holding clips

3-wing hinge fastening kit

	Art.	Description	Pcs.
	1145.714	<p>(patented) Galvanized fastening kit for flat profiles, with: 3 zamak counterplates 14x14 mm., 6 galvanized special screws M8x28 for counterplate fastening, 3 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 3 pre-hardened burnished steel leaf springs.</p>	10 5 bags containing 2 kits
	1145.715	<p>(patented) Stainless steel fastening kit for flat profiles, with: 3 zamak counterplates 14x14 mm., 6 stainless steel special screws M8x28 for counterplate fastening, 3 stainless steel screws TCEI M4x16 for cover fastening, 1 stainless steel grub screw M6x8 for cam bushing fastening, 3 stainless steel leaf springs.</p>	10 5 bags containing 2 kits
	Art.	Description	Pcs.
	1145.712	<p>(patented) Galvanized fastening kit for overlapped and thermal break profiles, with: 3 zamak counterplates 14x14 mm., 2 galvanized special screws M8x28 for counterplate fastening, 3 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 3 pre-hardened burnished steel leaf springs.</p>	10 5 bags containing 2 kits
	1145.713	<p>(patented) Stainless steel fastening kit for overlapped and thermal break profiles, with: 3 zamak counterplates 14x14 mm., 2 stainless steel special screws M8x28 for counterplate fastening, 3 stainless steel screws TCEI M4x16 for cover fastening, 1 stainless steel grub screw M6x8 for cam bushing fastening, 3 stainless steel leaf springs.</p>	10 5 bags containing 2 kits
	Art.	Description	Pcs.
	1145.805	<p>(patented) Zamak width adapter for counterplate 14x14 mm.</p>	100

2-wing range



Notes:

Each 2-wing MECHANICA package contains, 2 cover holding clips.

Art.	Description	Pcs.	Finishing
1146/59 1146/62.5 1146/67 1146/74.5 1146/78 1146/84 1146/89 1146/92 1146/97 1146/104	(patented) 2-wing adjustable hinge made of aluminium, distance between centres of 59 - 62.5 - 67 - 74.5 - 78 - 84 - 89 - 92 - 97 - 104.5 mm., centre of rotation 20 mm., step 0 mm. Including: 1 stainless steel pin Ø 11 mm., pre-assembled on black galvanized zamak cam device bushing, 2 aluminium coverplates, 2 nylon caps, 1 nylon self-lubricating bushing, 1 zamak adjustment grub screw.	20	(1146/62.5, /78, /84, /92) C, F, ZE, NE, 1013, 1247 ANAG, 9005, 9010, 9010 SAT, 9016 (1146/67/74.5, /89, /97, /104) F, ZE, 9016
1146.1/62.5 1146.1/84	(patented) 2-wing adjustable hinge made of aluminium, distance between centres of 62.5 - 84 mm., centre of rotation 36 mm., step 0 mm. Including: 1 stainless steel pin Ø 11 mm., pre-assembled on black galvanized zamak cam device bushing, 2 aluminium coverplates, 2 nylon caps, 1 nylon self-lubricating bushing, 1 zamak adjustment grub screw.	20	C, F, ZE, NE, 1013, 9005, 9010
1146.2/62	(patented) Like 1146/62.5 but with 10 mm. step.	20	F, ZE, 9016

2-wing hinge fastening kit



Art.	Description	Pcs.
1145.704	(patented) Galvanized fastening kit for flat profiles, with: 2 zamak counterplates 14x14 mm., 4 galvanized special screws M8x28 for counterplate fastening, 2 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.	20
1145.705	(patented) Stainless steel fastening kit for flat profiles with: 2 zamak counterplates 14x14 mm., 4 stainless steel special screws M8x28 for counterplate fastening, 2 stainless steel screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 stainless steel leaf springs.	20



Art.	Description	Pcs.
1145.730	(patented) Galvanized fastening kit for flat profiles with: 2 galvanized steel counterplates 20x6 mm., 4 special galvanized screws M8x25 for counterplate fastening, 2 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening.	20



Art.	Description	Pcs.
1145.706	(patented) Galvanized fastening kit for flat profiles, with: 2 zamak counterplates 20x11 mm., 4 galvanized special screws M8x28 for counterplate fastening, 2 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.	20
1145.707	(patented) Stainless steel fastening kit for 2-wing MECHANICA hinges for flat profiles, with: 2 zamak counterplates 20x11 mm., 4 stainless steel special screws M8x28 for counterplate fastening, 2 stainless steel screws TCEI M4x16 for cover fastening, 1 stainless steel grub screw M6x8 for cam bushing fastening, 2 stainless steel leaf springs.	20



Art.	Description	Pcs.
1145.710	(patented) Galvanized fastening kit for overlapped and thermal break profiles, with: 2 zamak counterplates 14x14 mm., 2 galvanized special screws for counterplate fastening M8x28, 2 galvanized screws TCEI M4x16 for cover fastening, 1 galvanized grub screw M6x8 for cam bushing fastening, 2 pre-hardened burnished steel leaf springs.	20
1145.711	(patented) Stainless steel fastening kit for thermal break profiles and overlapped profiles, with: 2 zamak counterplates 14x14 mm., 2 stainless steel special screws M8x28 for counterplate fastening, 2 stainless steel screws TCEI M4x16 for cover fastening, 1 stainless steel grub screw M6x8 for cam bushing fastening, 2 stainless steel leaf springs.	20




Art.	Description	Pcs.
1145.805	(patented) Zamak width adapter for counterplate 14x14 mm.	100

Spacers for overlapped profiles

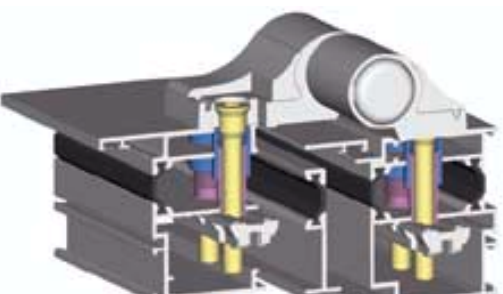
Art.	Description	Pcs.	Finishing
			
1138.702/7	MECHANICA hinge spacers for narrow frames Aluminium spacer of 7 mm., with 2 steel bushings and 2 galvanized steel screws TCEI M6x35.	10	C, F, ZE, NE, 1013, 9005, 9010
1138.702/8	Aluminium spacer of 8,5 mm. with 2 steel bushings and 2 galvanized steel screws TCEI M6x35.		
1138.702/10	Aluminium spacer of 10 mm. with 2 steel bushings and 2 galvanized steel screws TCEI M6x35.		
			
1145.702/7	Spacers for 2 and 3 wing MECHANICA hinge <i>(patented)</i> 7 mm. aluminium spacer, 2 pre-assembled steel bushings and 2 stainless steel special screws M8x38	50	C, F, ZE, NE, HL, 1013, 1015, 1247 ANAG, 8019, 9005, 9010, 9010 SAT, 9016
1145.702/8	<i>(patented)</i> Like 1145.702/7, but of 8.5 mm.		
1145.702/10	<i>(patented)</i> Like 1145.702/7, but of 10 mm.		
1145.703/7	<i>(patented)</i> 7 mm. aluminium spacer, 2 pre-assembled steel bushings and 2 stainless steel special screws M8x38 (also available in PVD H, PVD X and XSD. Each bag contains 10 pieces).	50	C, F, ZE, NE, HL, 1013, 9005, 9010
1145.703/8	<i>(patented)</i> Like 1145.703/7, but of 8.5 mm (also available in PVD H, PVD X and XSD. Each bag contains 10 pieces).		
1145.703/10	<i>(patented)</i> 10 mm. aluminium spacer, 2 pre-assembled steel bushings and 2 stainless steel special screws M8x38.		

Fastening kit for armoured profiles


Art.	Description	Pcs.	
			
1145.708	<i>(patented)</i> 2 and 3 wing MECHANICA hinge fastening kit for armoured profiles , made of galvanized steel 4 special screws M8x42, 2 screws TCEI M4x16 for coverplates fixing, 1 galvanized grub screw M6x8 for cam bushing fastening.	20	10 bags containing 2 kits
1145.709	<i>(patented)</i> 2 and 3 wing MECHANICA hinge fastening kit for armoured profiles , made of stainless steel 4 special screws M8x42, 2 screws TCEI M4x16 for coverplates fixing, 1 stainless steel grub screw M6x8 for cam bushing fastening.	20	

NOTES: Kits 1145.708/709 are arranged for 2-wing MECHANICA hinges. For 3-wing MECHANICA use 3 kits for every 2 hinges.

Accessories for thermal break profiles

Art.	Description	Pcs.
		
1145.801	Internal profile reinforcement for thermal break profiles (from 14 to 20 mm.) and 1 special fixing screw M8x48.	40
1145.802	Internal profile reinforcement for thermal break profiles (from 20 to 28 mm.) and 1 special fixing screw M8x58.	40
1145.803	Internal profile reinforcement for thermal break profiles (from 28 to 35 mm.) and 1 special fixing screw M8x65.	40
1145.804	Internal profile reinforcement for thermal break profiles (from 35 to 42 mm.) and 1 special fixing screw M8x72.	40

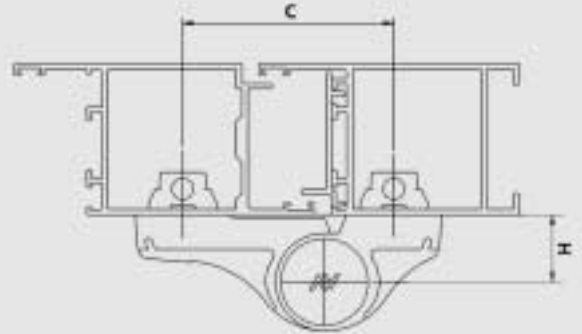
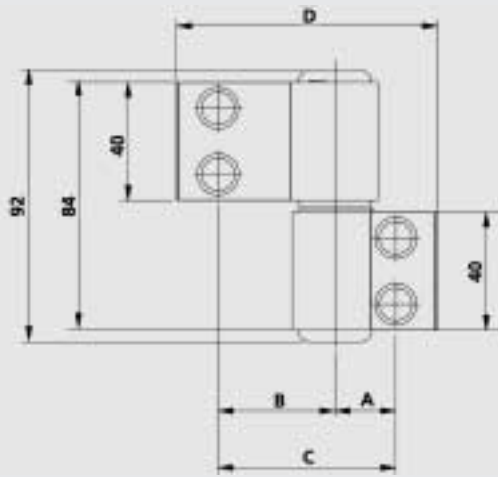
Other accessories

Art.	Description	Pcs.
		
1146.810	Security sphere kit for use on externally opening doors. Made of black nylon, equipped with handgrip and 4 pre-assembled pre-hardened spheres which makes the fitting of the spheres into the hexagonal seat of MECHANICA fastening screws a very speedy operation. - Maximum security against intrusion after assembly - Easy of application	100
<i>N.B.: It's not possible to assemble them on narrow frames.</i>		

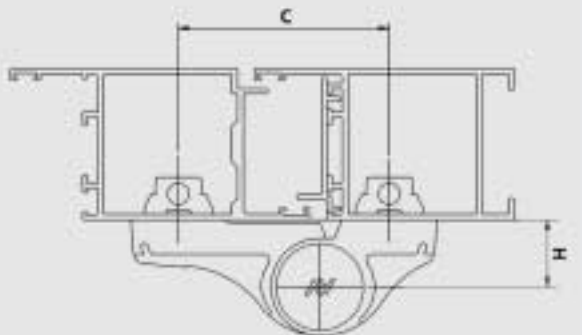
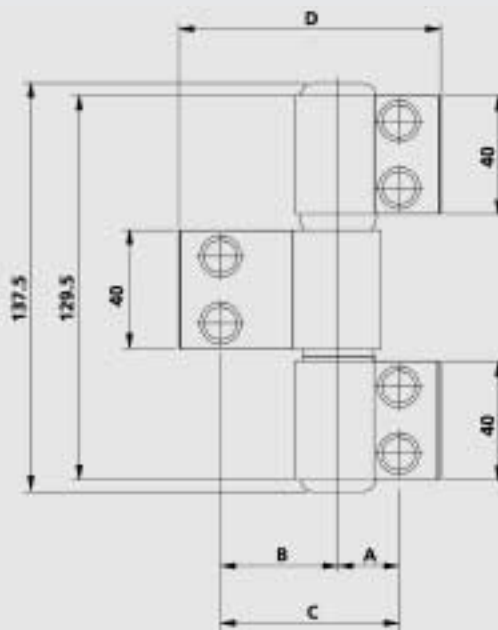
Tooling

	Art. 1130.902	Description Steel adapter for drilling jig art.1145.908 (narrow frames).	Pcs.. 1
	Art. 1145.901 1145.908	Description Aluminium and galvanized steel jig for MECHANICA series MKW. Aluminium and galvanized steel jig for MECHANICA series MKD.	Pcs. 1 1
	Art. 1145.902 1145.903	Description Jig with profile holding clamp for MECHANICA series MKW. Jig with profile holding clamp for MECHANICA series MKD.	Pcs. 1 1
	Art. 1145.904	Description Drill for drilling machine Ø 11 mm. (top reduced at 5 mm.) for drilling with jig art.1130.901, 1145.901/.902/.903/.908.	Pcs. 1
	Art. 1145.905	Description Nylon clip for easy fitting and for cam bushing centring.	Pcs. 10
	Art. 1145.906 1145.907	Description Aluminium centring plate for MECHANICA series MKW, 4 screws and 4 galvanized steel bushings. To be used for workings with jigs art. 1145.901/.902. Aluminium centring plate for MECHANICA series MKD, 4 screws and 4 galvanized steel bushings. To be used for workings with jigs art. 1145.903/.908 and with punching machine art. 8300.20.	Pcs. 1 1
	Art. 8300.20 8300.21	Description 6-spindle drilling machine with profile roller conveyor for MECHANICA 2 and 3 wing hinge series MKD. N.B.: for hinges for narrow frames, use special drill bits. Bed plate for punching machine art. 8300.20.	Pcs. 1 1

MECHANICA MKD Series



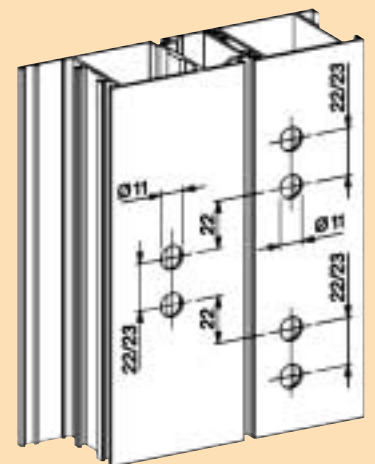
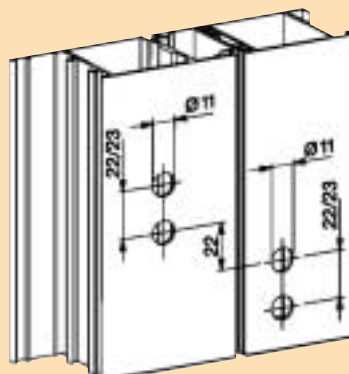
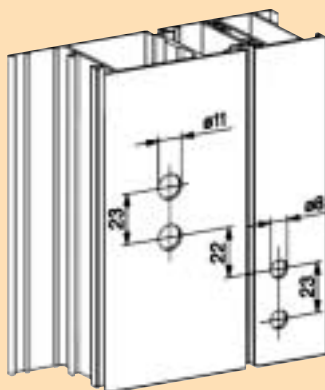
Art.	Art.	MKD SERIES				
2-WING	3-WING	A	B	C	D	H
1145/53		13,5	39,5	53	78	20
1145/60	1145.3/60	20,5	39,5	60	88	20
1145/60MR		13,5	46,5	60	85	20
1145/67	1145.3/67	20,5	46,5	67	95	20
1145/67MR		13,5	53,5	67	92	20
1145/79	1145.3/79	39,5	39,5	79	107	20
1145/86		39,5	46,5	86	114	20
1145/93	1145.3/93	39,5	53,5	93	121	20
1145/93SM		46,5	46,5	93	121	20



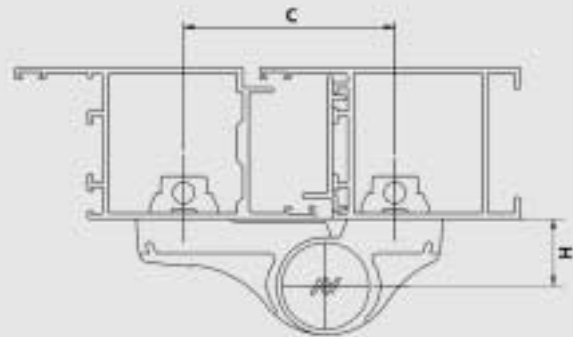
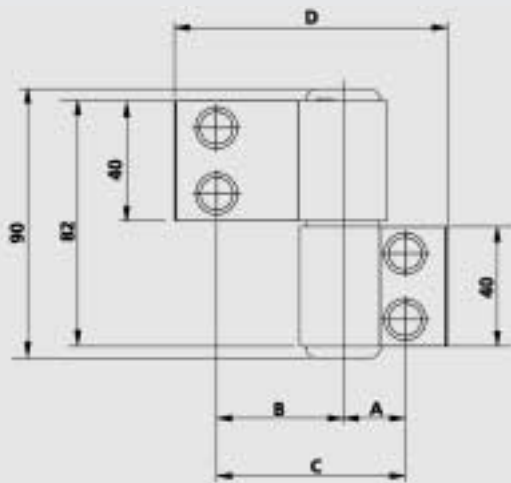
1145/53 /60MR /67MR

1145/60 /67 /79 /86 /93 /93SM

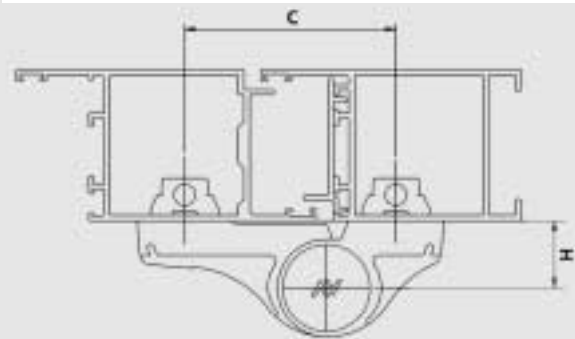
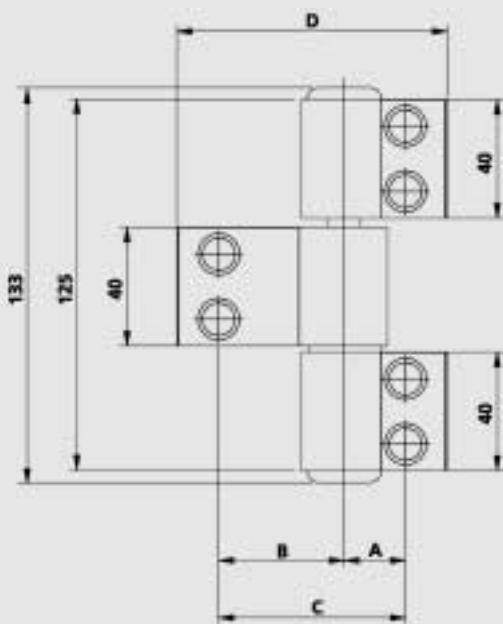
1145.3/60 /67 /79 /93



MECHANICA MKW Series

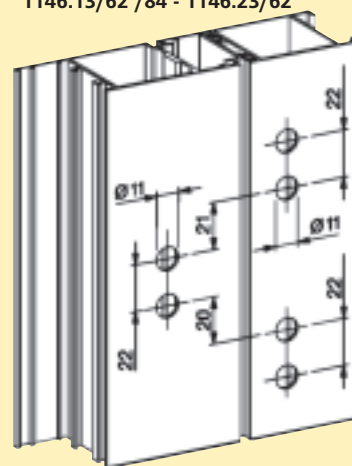
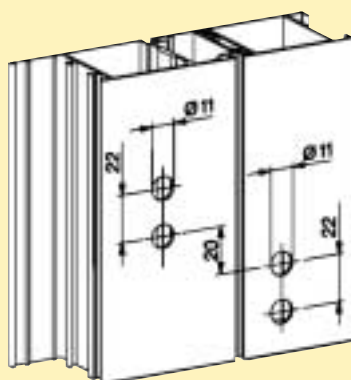


Art.	Art.	MKW SERIES				
2-WING	3-WING	A	B	C	D	H
1146/59	1146.3/59	17	42	59	87	20
1146/62.5	1146.3/62.5	20,5	42	62,5	90,5	20
1146/67	1146.3/67	17	50	67	95	20
1146/74.5	1146.3/74.5	17	57,5	74,5	102,5	20
1146/78	1146.3/78	20,5	57,5	78	106	20
1146/84	1146.3/84	42	42	84	112	20
1146/89	1146.3/89	47	42	89	117	20
1146/92	1146.3/92	42	50	92	120	20
1146/97	1146.3/97	47	50	97	125	20
1146/104	1146.3/104	47	57,5	104,5	132,5	20
1146.1/62.5	1146.13/62	20,5	42	62,5	90,5	36
1146.1/84	1146.13/84	42	42	84	112	36
1146.2/62	1146.23/62	20,5	42	62,5	90,5	20

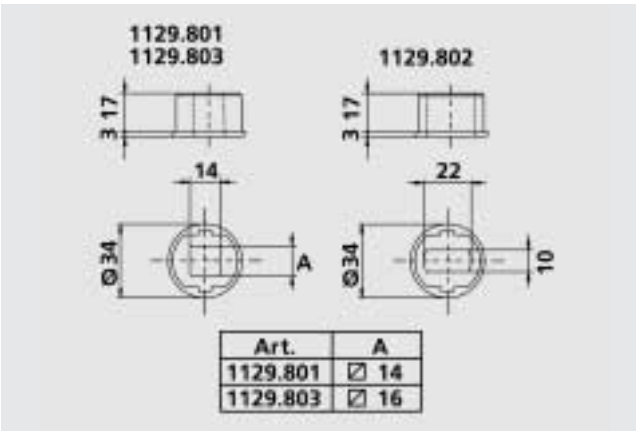


1146 /59 /62.5 /67 /74.5 /78 /84 /89 /92 /97 /104
1146.1/62.5 /84 - 1146.2/62

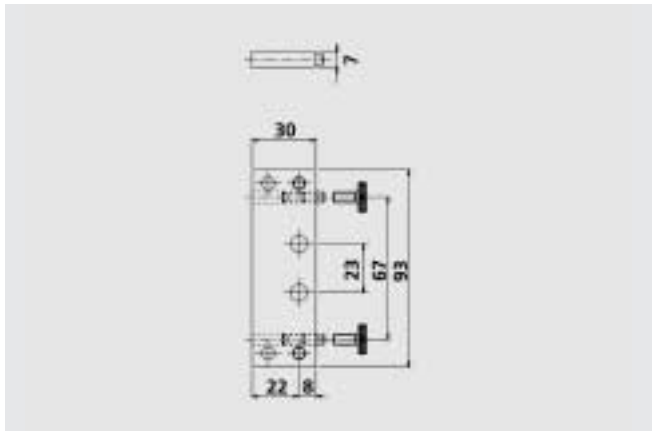
1146.3/59 /62.5 /67 /74.5 /78 /84 /89 /92 /97 /104
1146.13/62 /84 - 1146.23/62



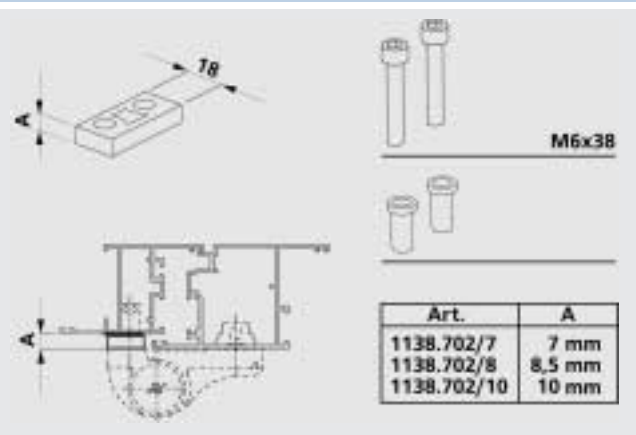
1129.801 / .802 / .803



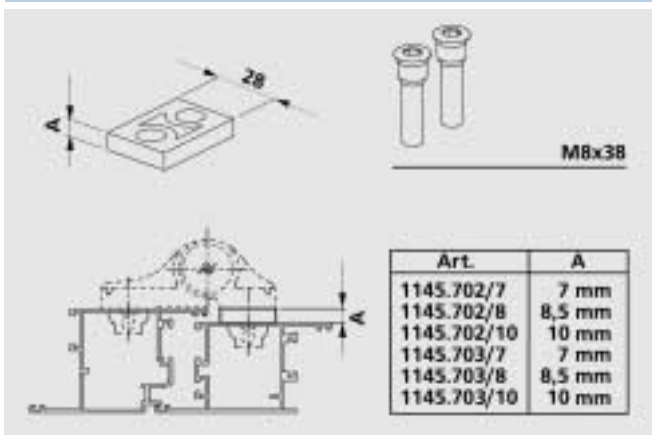
1130.902



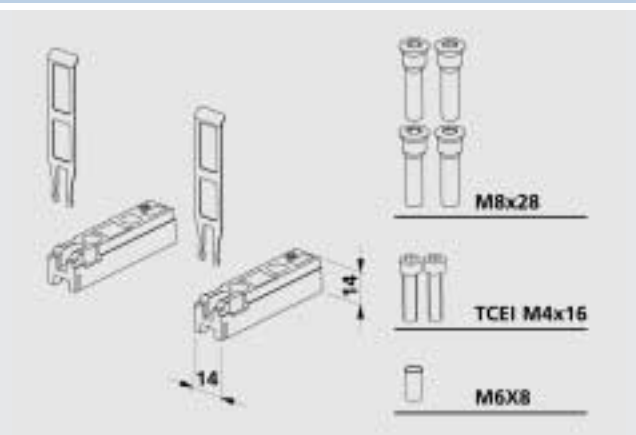
1138.702 / 7 / 8 / 10



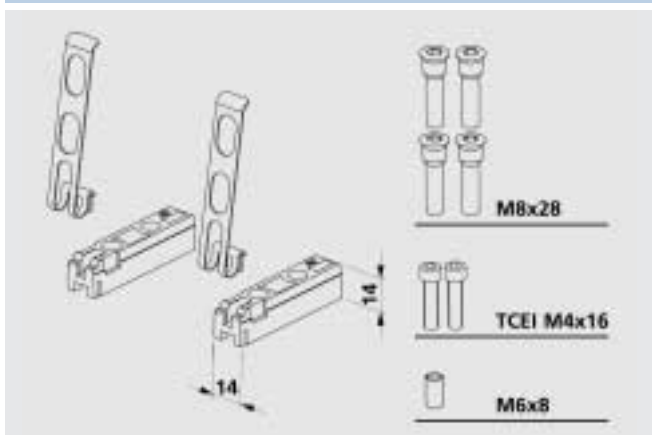
1145.702 / 7 / 8 / 10 - 1145.703 / 7 / 8 / 10



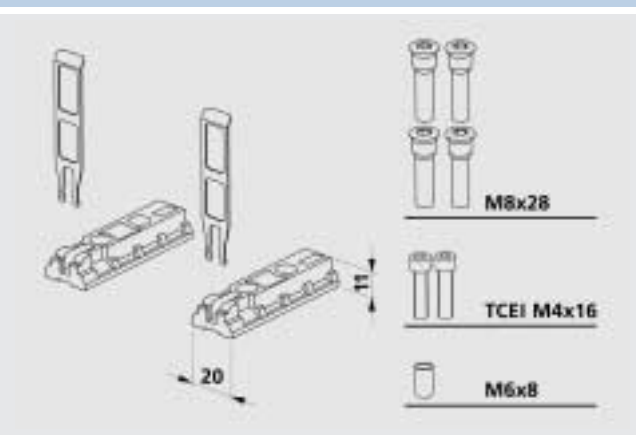
1145.704



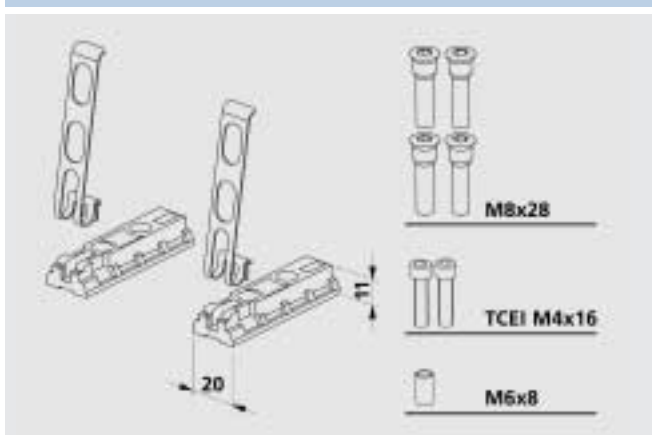
1145.705



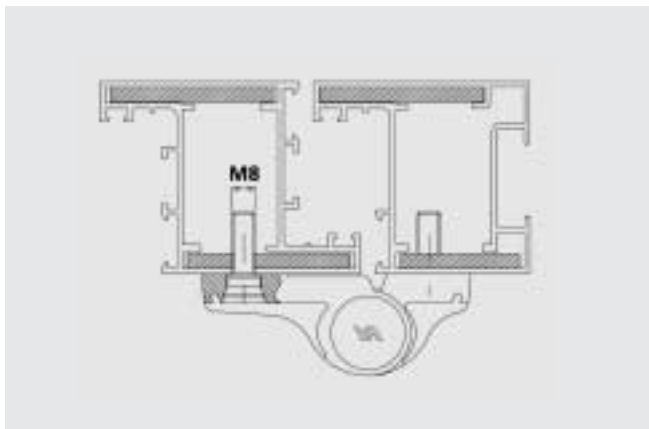
1145.706



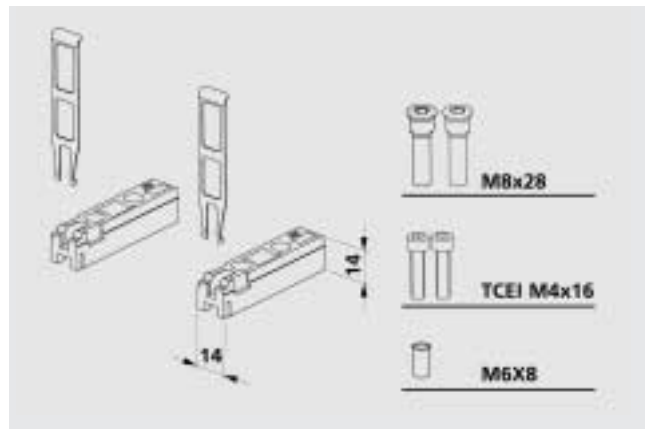
1145.707



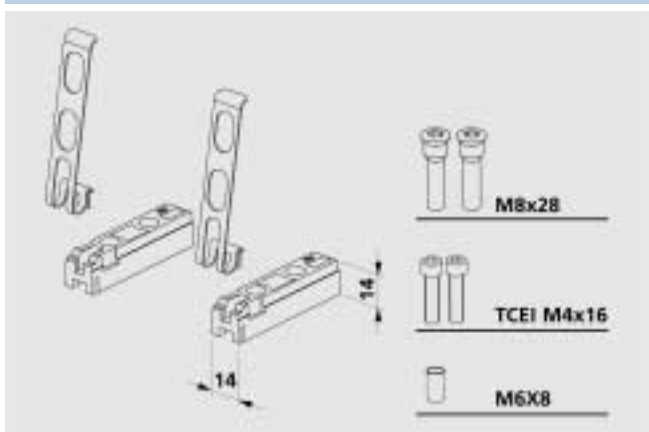
1145.708 /.709



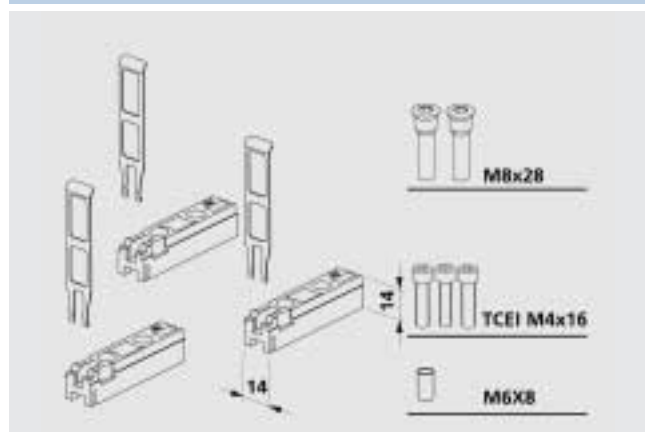
1145.710



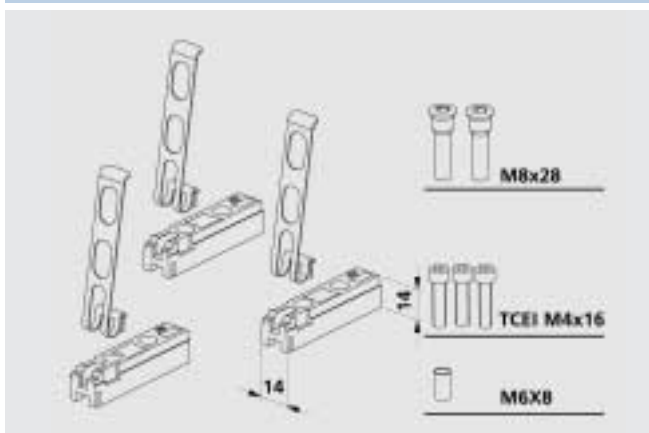
1145.711



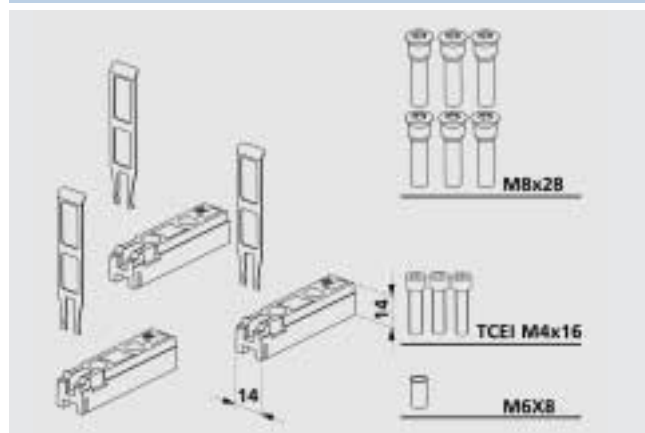
1145.712



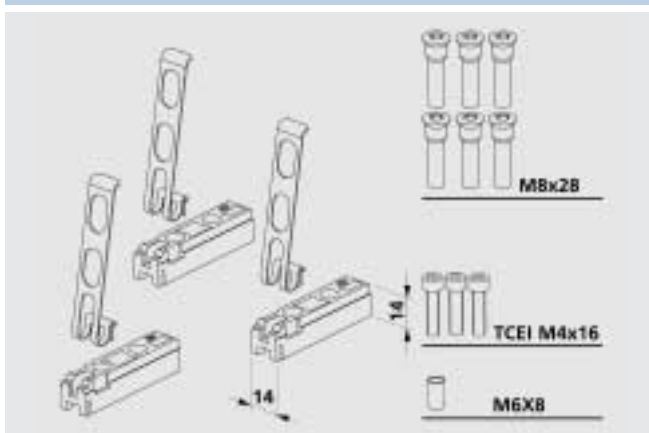
1145.713



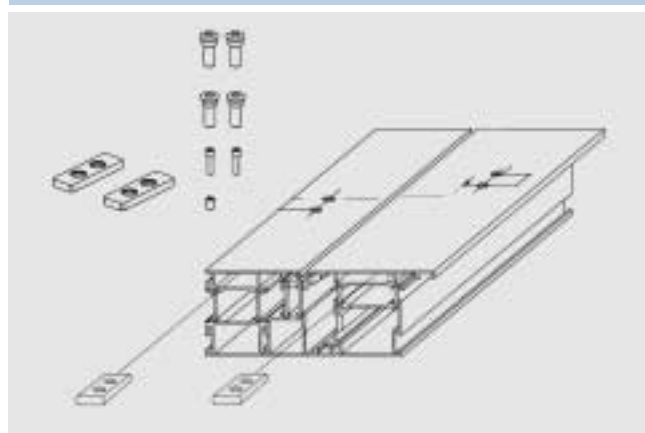
1145.714



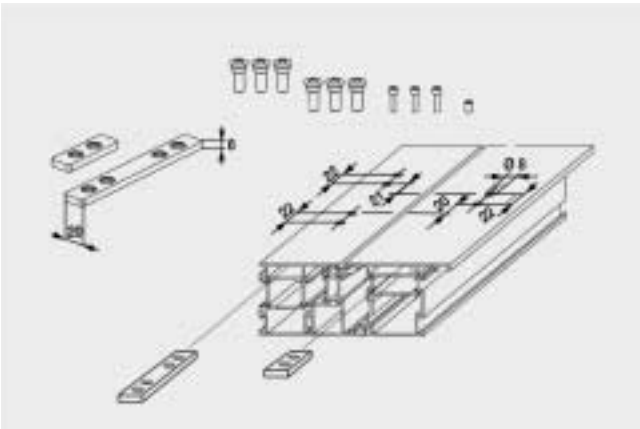
1145.715



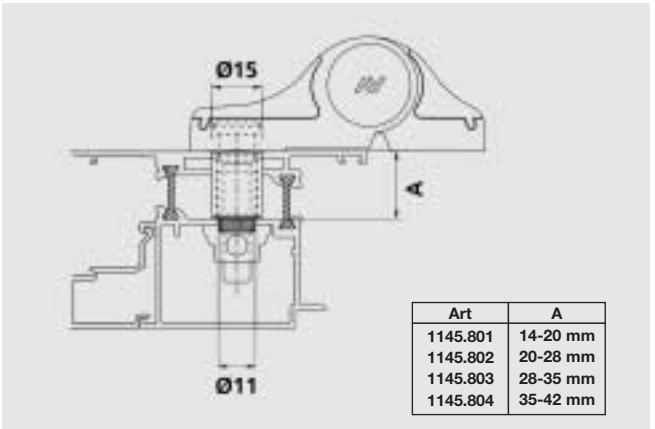
1145.730



1145.731



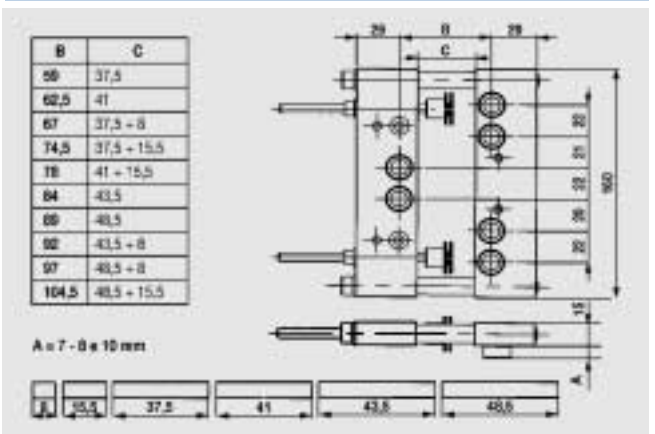
1145.801/.802 /.803 /.804



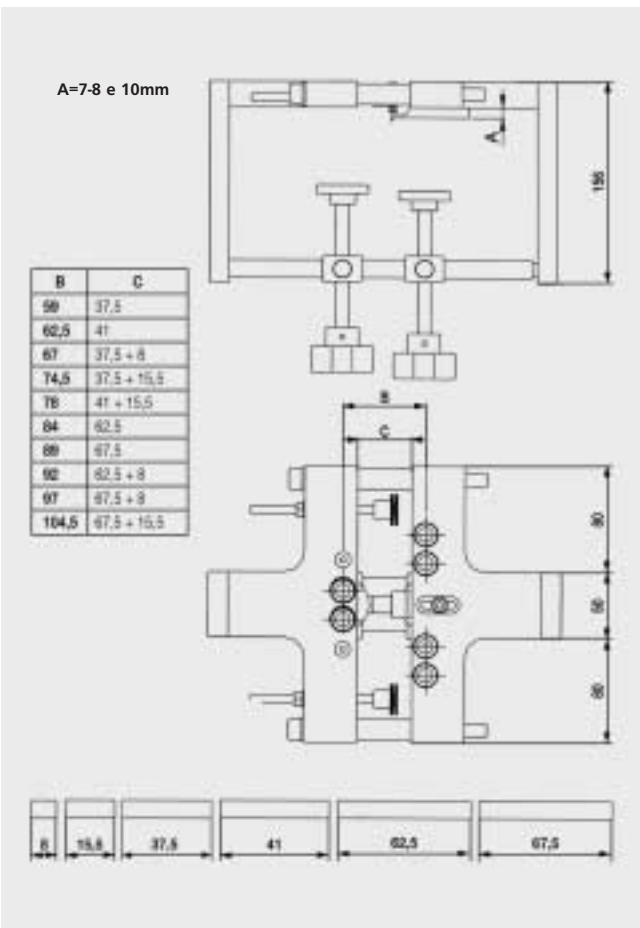
1145.805



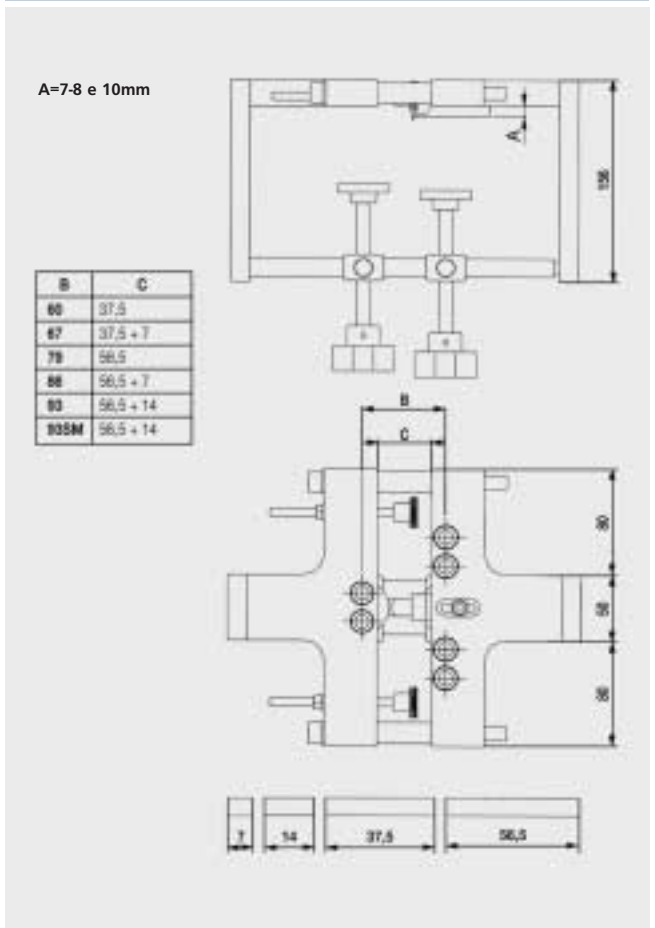
1145.901




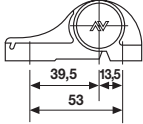
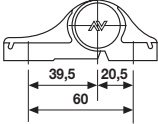
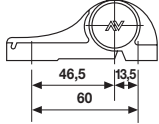
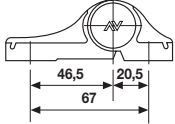
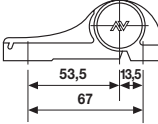
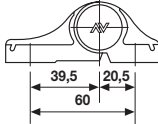
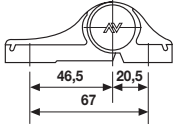
1145.902


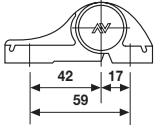
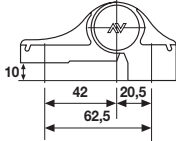
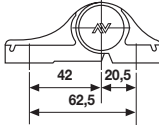
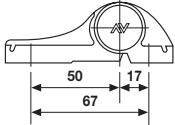
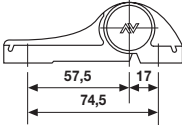

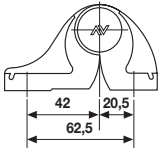

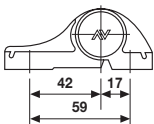
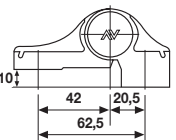
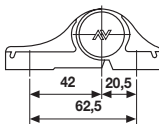
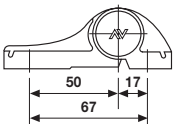
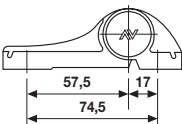

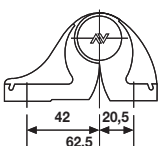


1145.903



Distance centre range

	53	60	60	67	67
 <p>Centre of rotation 20 mm.</p>	1145/53 	1145/60 	1145/60MR 	1145/67 	1145/67MR 
		1145.3/60 		1145.3/67 	

	59	62.5	62.5	67	74.5
 <p>Centre of rotation 20 mm.</p>	1146/59 	1146.2/62 	1146/62.5 	1146/67 	1146/74.5 
 <p>Centre of rotation 36 mm.</p>			1146.1/62.5 		
 <p>Centre of rotation 20 mm.</p>	1146.3/59 	1146.23/62 	1146.3/62.5 	1146.3/67 	1146.3/74.5 
 <p>Centre of rotation 36 mm.</p>			1146.13/62 		

79	86	93	93
1145/79	1145/86	1145/93	1145/93SM
1145.3/79		1145.3/93	

78	84	89	92	97	104
1146/78	1146/84	1146/89	1146/92	1146/97	1146/104
	1146.1/84				
1146.3/78	1146.3/84	1146.3/89	1146.3/92	1146.3/97	1146.3/104
	1146.13/84				

SAVIO S.p.A. Via Torino, 25 (S.S. 25)
10050 Chiusa S. Michele (TO) Italy
Tel.+39.011.964.34.64 - Fax +39.011.964.34.74
www.savio.it - E-mail: savio@savio.it

 **SAVIO**
*Quality and innovation
for closing system*