



K12 System & K12 System ADJ

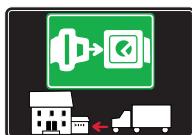


OPENING
SYSTEMS
FOR LIFT
UP AND
DROP
DOWN
DOORS



SYMBOLS AND FINISHES LEGEND

SYMBOLS



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME.



= ANTI-TUMOVER LOCKING SYSTEM



= NORMS / PATENTS



= PHILLIPS / POZIDRIV



= WITH BUFFER



= PART NO.



= BLADE SLOT



= WITH MAGNET



= PCS. PER PACKAGE



= COMBI SLOT



= CAPACITY LOADING



= HEXAGONAL SOCKET



= NEWTON



= WOOD / GLASS THICKNESS



= COUNTERSUNK HEAD



= FRICTION



= HOLE DIAMETER



= PAN HEAD



= DROP DOWN



= DIAMETER



= FLANGE HEAD



= STANDARD HINGE



= HEIGHT



= TRILOBULAR SCREW



= KIMANA HINGE



= RIGHT VERSION



= SELF-TAPPING SCREW



= FLAP HINGE



= LEFT VERSION



= EURO THREAD



= WITH SPRING



= SETTING CODE



= METRIC THREAD



= WITHOUT SPRING



= PCS. PER PAD



= PRE-INSERTED SCREW



= REVERSED SPRING



= CUT ON REQUEST



= PRE-INSERTED SCREW AND SPREADING BUSH



= WITH FLANGE

MATERIALS

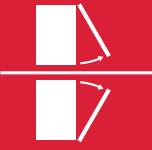
 ZA	= Zinc Alloy	 ST	= Steel	 HSS	= High Speed Steel	 BR	= Brass	 ABS	= Acrylonitrile Butadiene Styrene
 ZAnk	= Nickel-plated Zinc Alloy	 STzk	= Zinc-plated Steel	 AL	= Aluminium	 WD	= Wood	 EVA	= Ethylene Vinyl Acetate

 EP	= ENGINEERING PLASTIC	+  EP	= other engineering plastic available on request	 SR	= SOFT RUBBER	+  SR	= other soft rubber available on request
-------------------------------------------------------------------------------------	-----------------------	----------------------------------------------------------------------------------------	--------------------------------------------------	----------------------------------------------------------------------------------------	---------------	------------------------------------------------------------------------------------------	------------------------------------------

 EPn	= Natural Engineering Plastic	 EPc	= Clear Engineering Plastic	 SRn	= Natural Soft Rubber
 EPw	= White Engineering Plastic	 EPg	= Grey Engineering Plastic	 SRw	= White Soft Rubber
 EPwg	= Water Green Engineering Plastic	 EPA	= Anthracite Engineering Plastic	 SRb	= Black Soft Rubber

 FINISHES	+ 	= OTHER FINISHES AVAILABLE ON REQUEST
---------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	---------------------------------------

PART NO.	FINISHES	PART NO.	FINISHES	PART NO.	FINISHES
00	Insignificant finish	IF	Middle Grey	RO	Red
AA	Natural	IJ	Light Grey	UT	T-Met 9007
AB	White	IL	Grey 20	UZ	T-Met
AE	White 9010	IN	Grey met. 26	WA	Bronzed
EA	Black	JB	Bright Aluminium	WI	Burnished
EC	Matt Black	JC	Aluminium - Chrome	XD	Satin-finished Steel
EE	Anthracite	JD	Matt Aluminium	YA	Nickel-plated
EW	Grey 9007	JE	Satin-finished Aluminium	YB	Bright Nickel-plated
FU	Gunmetal	JF	Aluminium - Brass	YC	Matt Nickel-plated
FV	Gunmetal V52	JG	Aluminium 5	YD	Satin-finished Nickel-plated
GR	Raw	JL	Aluminium PE 11	YQ	Black Nickel
HA	Brass-Plated	JM	Aluminium RAL 9006	Z9	Black Zinc
HH	Tropicalized	KA	Chrome	ZA	Zinc alloy
HL	Raw Brass	KB	Bright Chrome	ZN	Zinc-plated
HX	Graphite	KC	Matt Chrome	ZQ	Bright Gold
IA	Grey	LD	Brown 8019	ZY	Titanium
IB	Metallic Grey	NN	Metallic Beige	ZZ	Clear



OPENING
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K12 system & K12 system ADJ

ID ITALIANA
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K12 SYSTEM LIFT UP



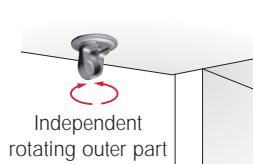
REGISTERED DESIGN

Certificates available on request.

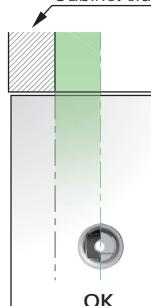


BRACKET Ø15 INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".

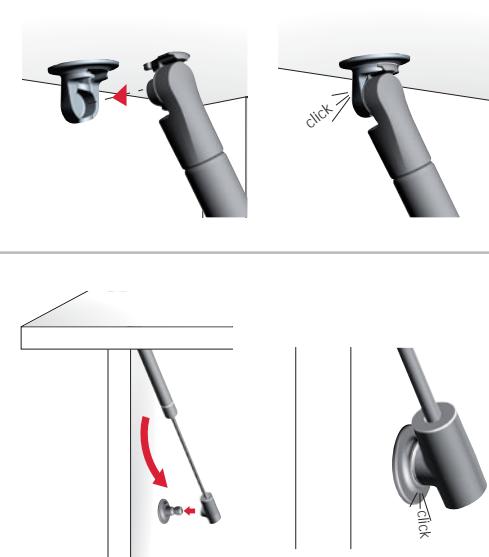
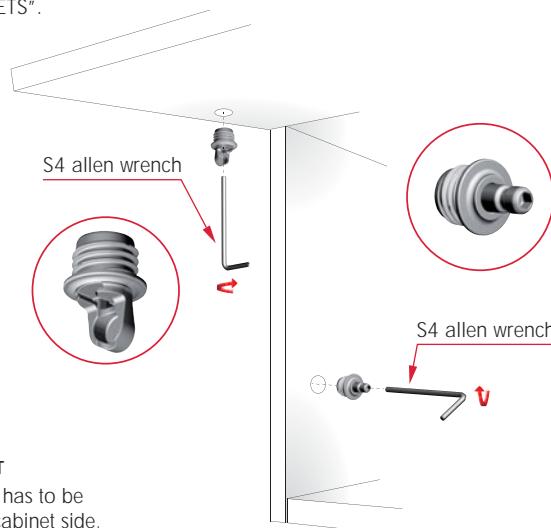


Cabinet side



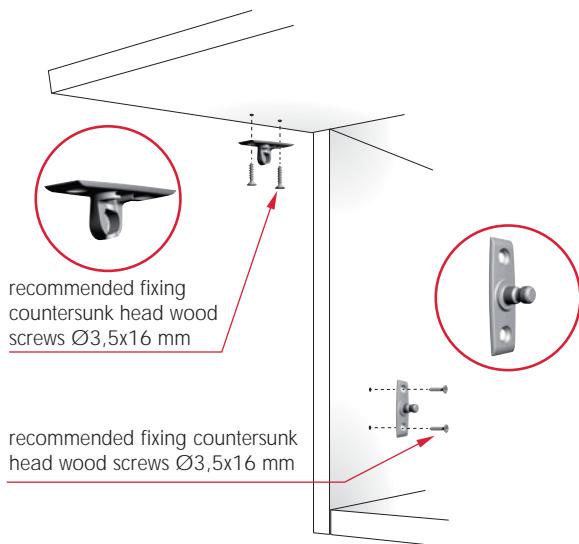
VERY IMPORTANT

The door bracket has to be aligned with the cabinet side.



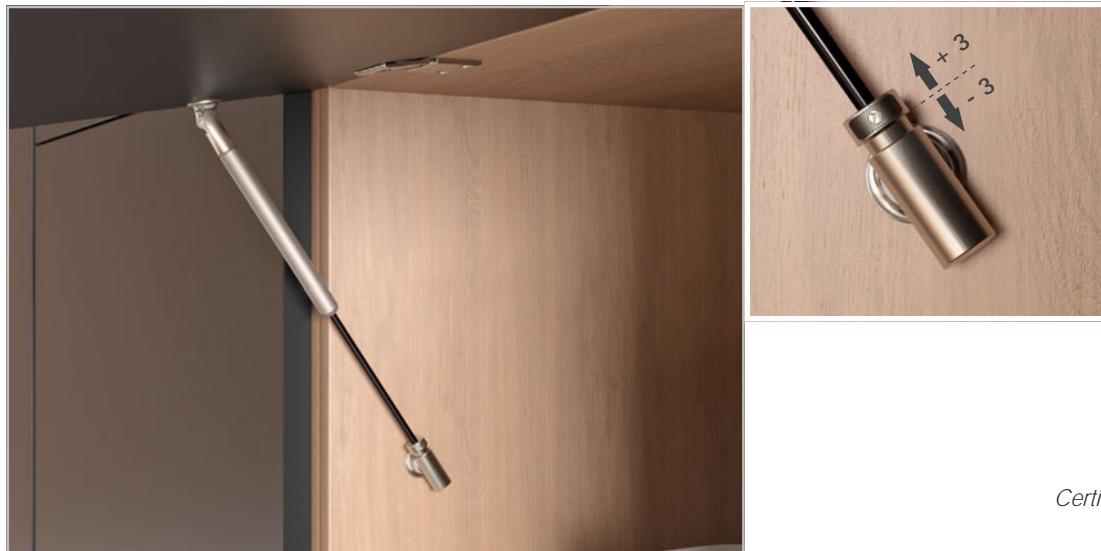
SCREW FIXING BRACKETS INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".





K12 SYSTEM ADJ LIFT UP

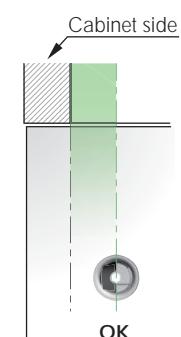
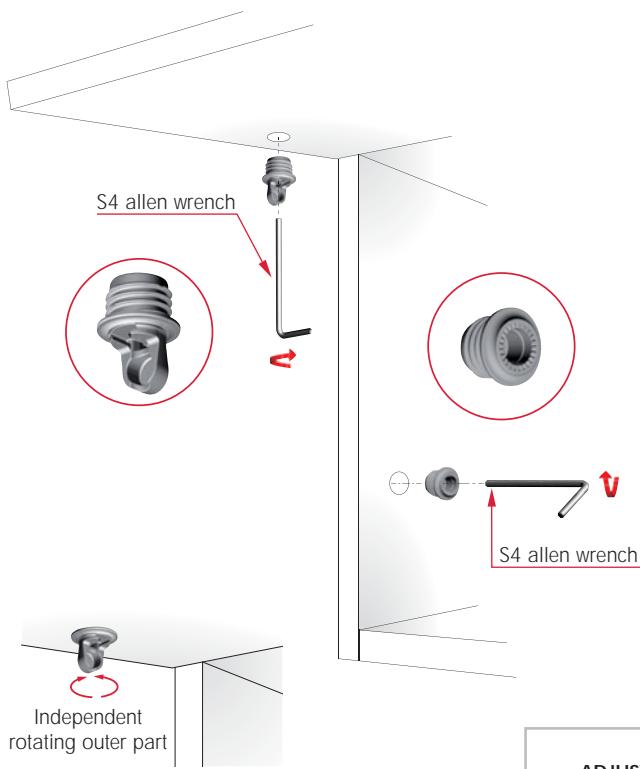


Certificates available on request.

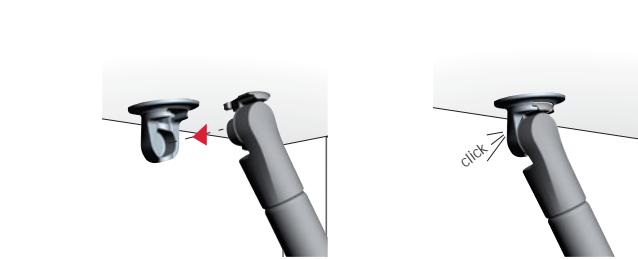


INSTALLATION

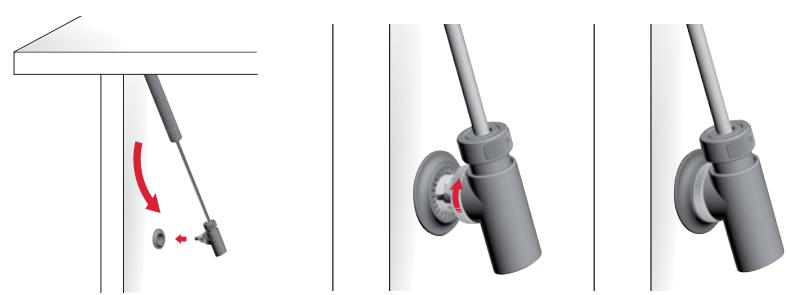
- For details refer to "K12 SYSTEM ADJ BRACKETS".



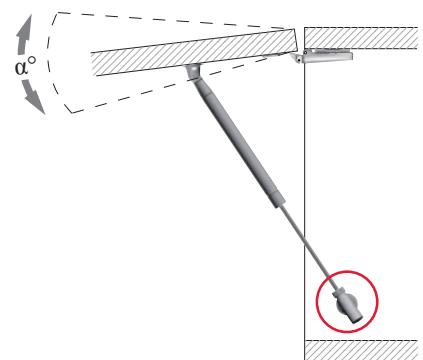
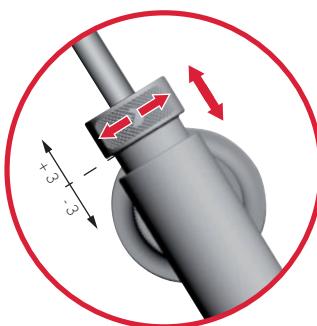
VERY IMPORTANT
The door bracket has to be aligned with the cabinet side.

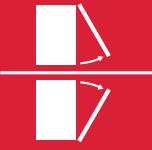


LOCKING: Rotate the plastic knob.



ADJUSTMENT





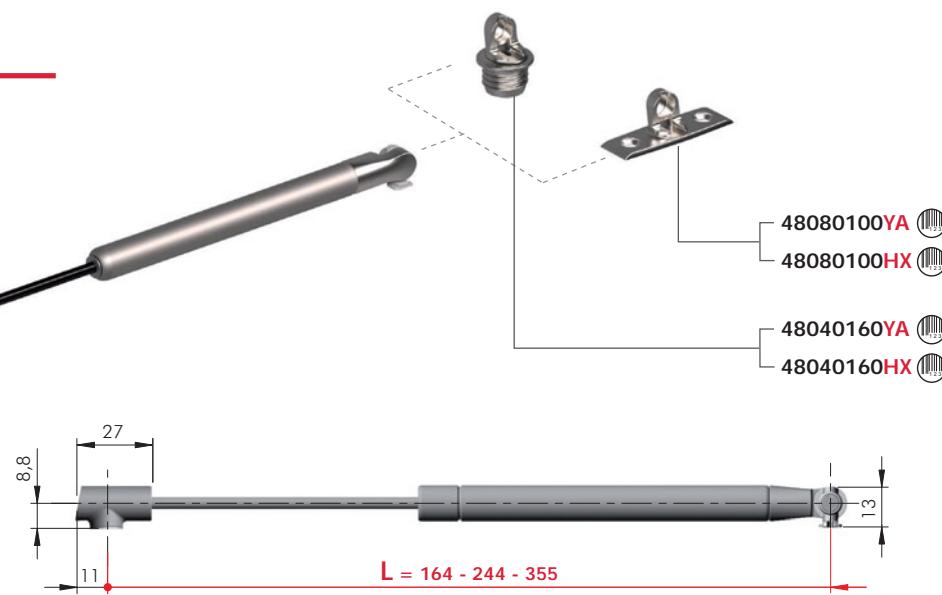
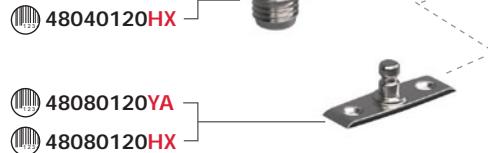
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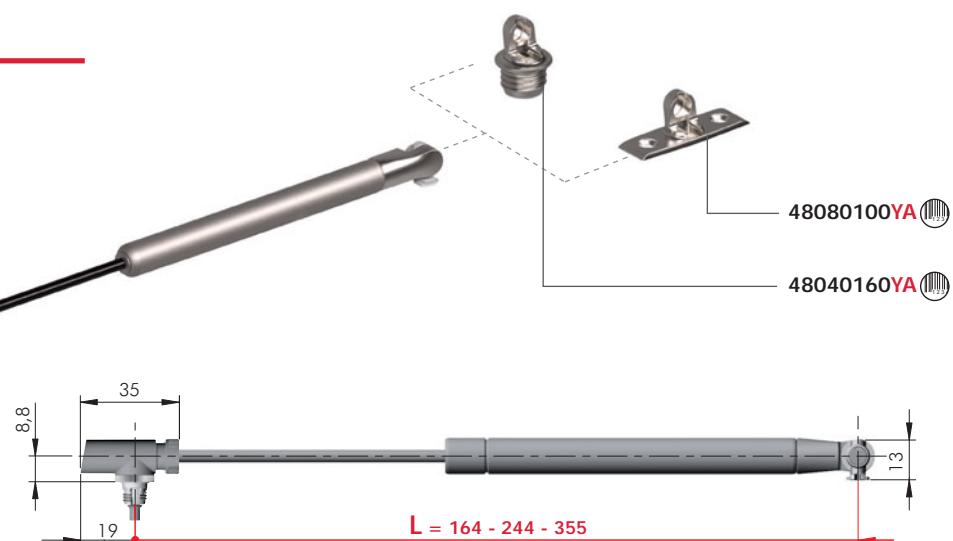
ITALIANA
ferramenta



K12 SYSTEM LIFT UP



K12 SYSTEM ADJ LIFT UP



ZA EP ST

= 100 pcs. for L. 164 mm
50 pcs. for L. 244 and 355 mm

L	K12 SYSTEM	K12 SYSTEM ADJ	N
164	48010420UZ	48210420UZ	50
	48010460UZ	48210460UZ	80
	48010500UZ	48210500UZ	100
	48010540UZ	48210540UZ	120

+ Part.no + HX

L	K12 SYSTEM	K12 SYSTEM ADJ	N
244	48020420UZ	48220420UZ	50
	48020460UZ	48220460UZ	80
	48020480UZ	48220480UZ	100
	48020500UZ	48220500UZ	120

+ Part.no + HX

L	K12 SYSTEM	K12 SYSTEM ADJ	N
355	48030430UZ	48230430UZ	60
	48030470UZ	48230470UZ	90
	48030490UZ	48230490UZ	110

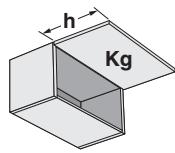
+ Part.no + HX

+ Part.no + HX = K12 System with end parts in graphite finish are available on request.

Further newton strengths available on request.



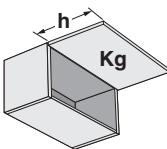
Number of stays chart - L 164 mm



Rev. 02

h	Door weight (Kg)														
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
200 - 224	2x50N	2x80N		2x100N		2x120N		3x120N		4x100N		4x120N			
225 - 274	2x50N	2x80N		2x100N		2x120N		3x120N		4x100N		4x120N			
275 - 300	2x50N	2x80N	2x100N	2x120N	3x100N	3x120N	4x100N	4x120N							

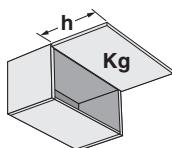
Number of stays chart - L 244 mm



Rev. 02

h	Door weight (Kg)																								
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12	12,5	13
290 - 324	1x50N	1x80N	2x50N		2x80N			2x100N		2x120N		2x140N		2x160N*		2x180N*									
325 - 374	1x50N	1x80N	2x50N		2x80N			2x100N		2x120N		2x140N		2x160N*		2x180N*									
375 - 424	1x50N	1x80N	2x50N		2x80N			2x100N		2x120N		2x140N		2x160N*		2x180N*									3x140N
425 - 474	1x50N	2x50N		2x80N		2x100N		2x120N		2x140N		2x160N*		2x180N*		3x160N*									3x180N
475 - 500	1x50N	2x50N	2x80N		2x100N		2x120N		2x140N	2x160N*	2x180N*		3x160N*		3x180N*										

* Strengths available on request.



Number of stays chart - L 355 mm

Rev. 02

h	Door weight (Kg)																								
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12	12,5	13
390 - 424	1x60N	1x90N		2x60N		2x90N		2x110N		3x90N															
425 - 474	1x60N	1x90N		2x60N		2x90N		2x110N		3x90N		3x110N		4x90N											
475 - 524	1x60N	1x90N		2x60N		2x90N		2x110N		3x90N		3x110N		4x90N											
525 - 574	1x60N	1x90N	2x60N		2x90N		2x110N		3x90N		3x110N		4x90N											4x110N	
575 - 600	1x90N	2x60N	2x90N	2x110N		3x90N		3x110N		4x90N		4x110N													

These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.



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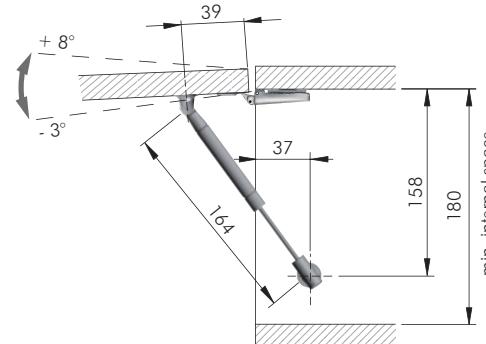
LIFT UP DRILLING PLANS WITH STANDARD HINGES OPENING WITH HANDLE

K12 SYSTEM
CONFIGURATOR:

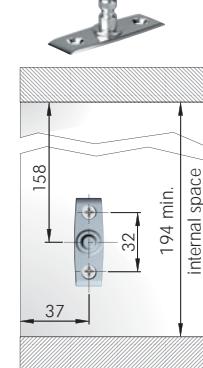
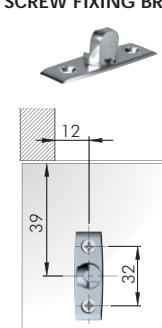


L 164 mm

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.



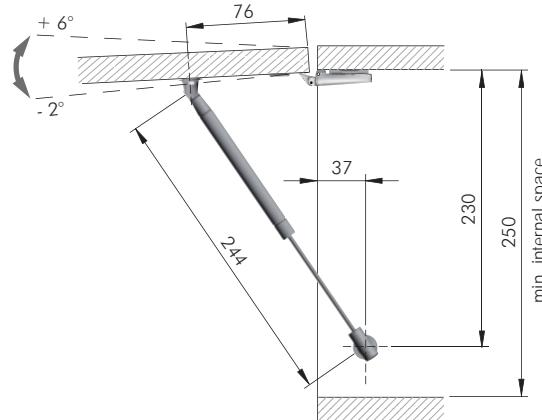
SCREW FIXING BRACKETS:



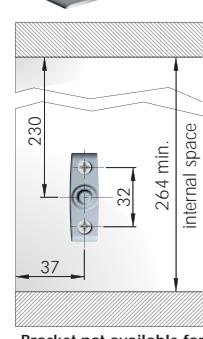
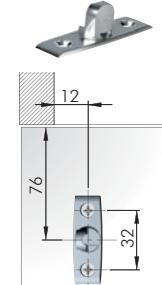
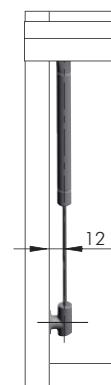
Bracket not available for
K12 SYSTEM ADJ

L 244 mm

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.



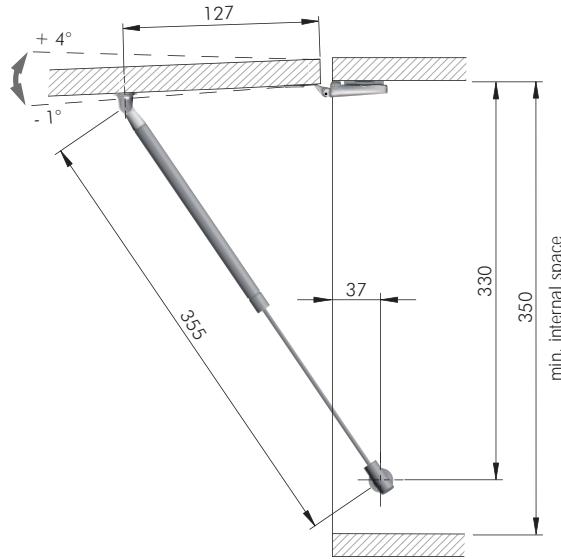
SCREW FIXING BRACKETS:



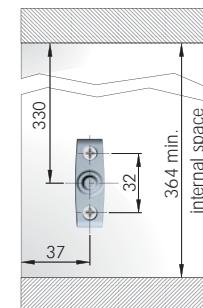
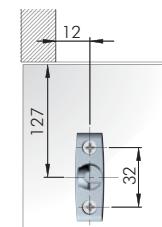
Bracket not available for
K12 SYSTEM ADJ

L 355 mm

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

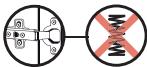


SCREW FIXING BRACKETS:



Bracket not available for
K12 SYSTEM ADJ

The dimensions of the above drilling plans refer to carcasses which use **standard sprung or unsprung hinges** and mounting plates 0 mm. Please note that the opening angle varies with respect to the hinge brand and adjustment carried out.



Please note that in case of use of **unsprung hinges**, **magnet K Lock** is required.
For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



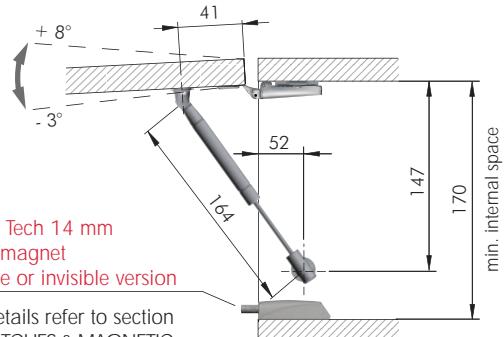
LIFT UP DRILLING PLANS WITH STANDARD HINGES PUSH TO OPEN

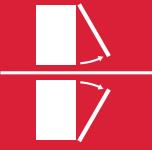
**K12 SYSTEM
CONFIGURATOR:**



L 164 mm

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.





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K12 SYSTEM DROP DOWN



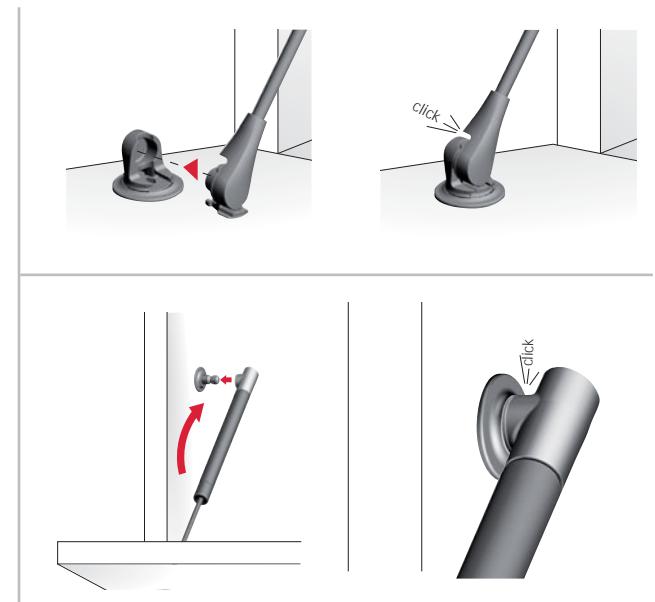
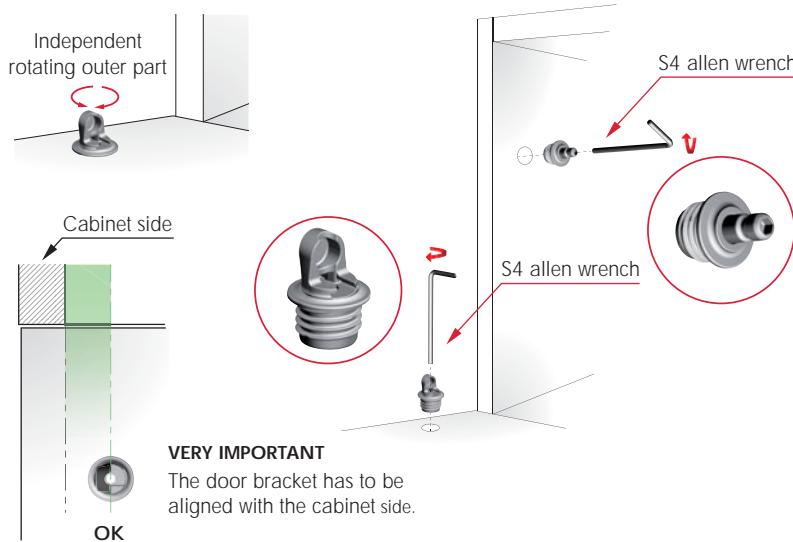
REGISTERED DESIGN

Certificates available on request.



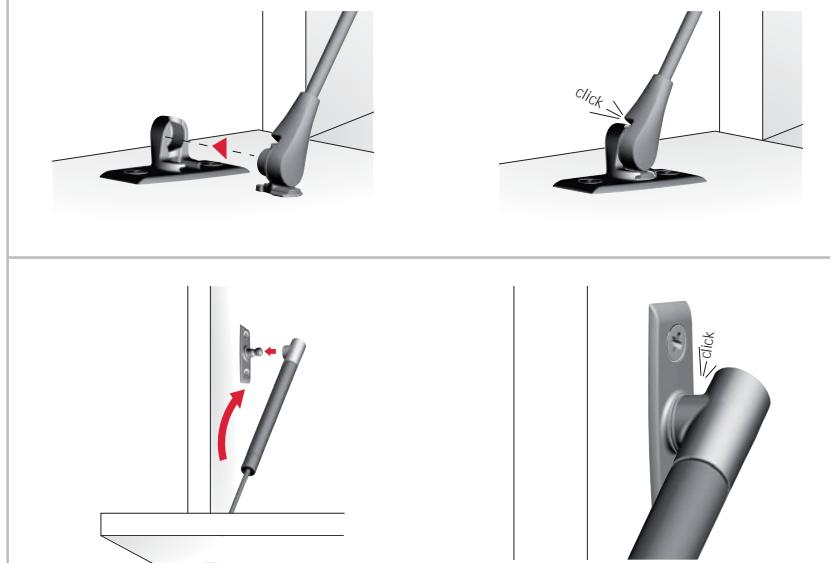
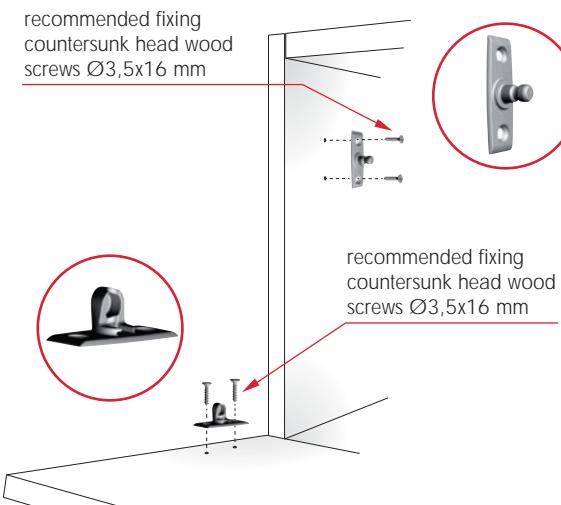
BRACKET Ø15 INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".



SCREW FIXING BRACKETS INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".





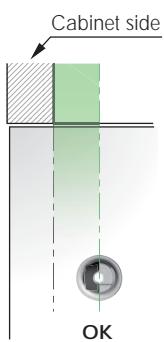
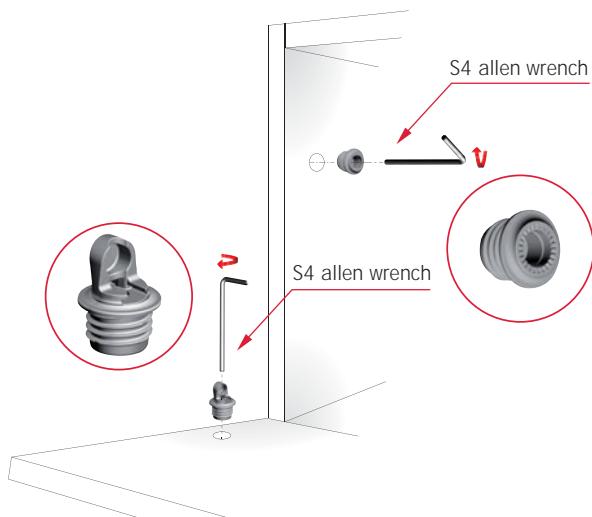
K12 SYSTEM ADJ DROP DOWN



Certificates available on request.

BRACKET Ø15 INSTALLATION

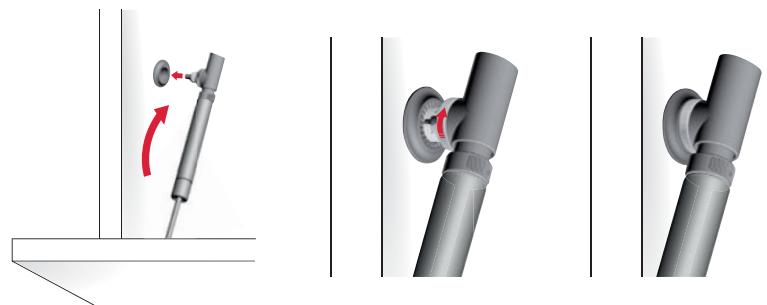
- For details refer to "K12 SYSTEM ADJ BRACKETS".



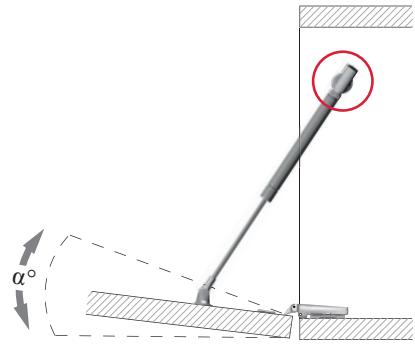
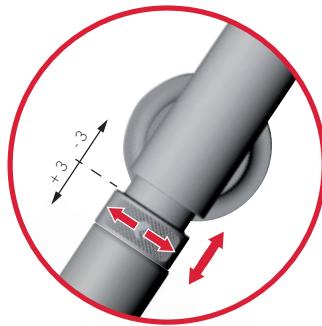
VERY IMPORTANT
The door bracket has to be aligned with the cabinet side.



LOCKING: Rotate the plastic knob.



ADJUSTMENT





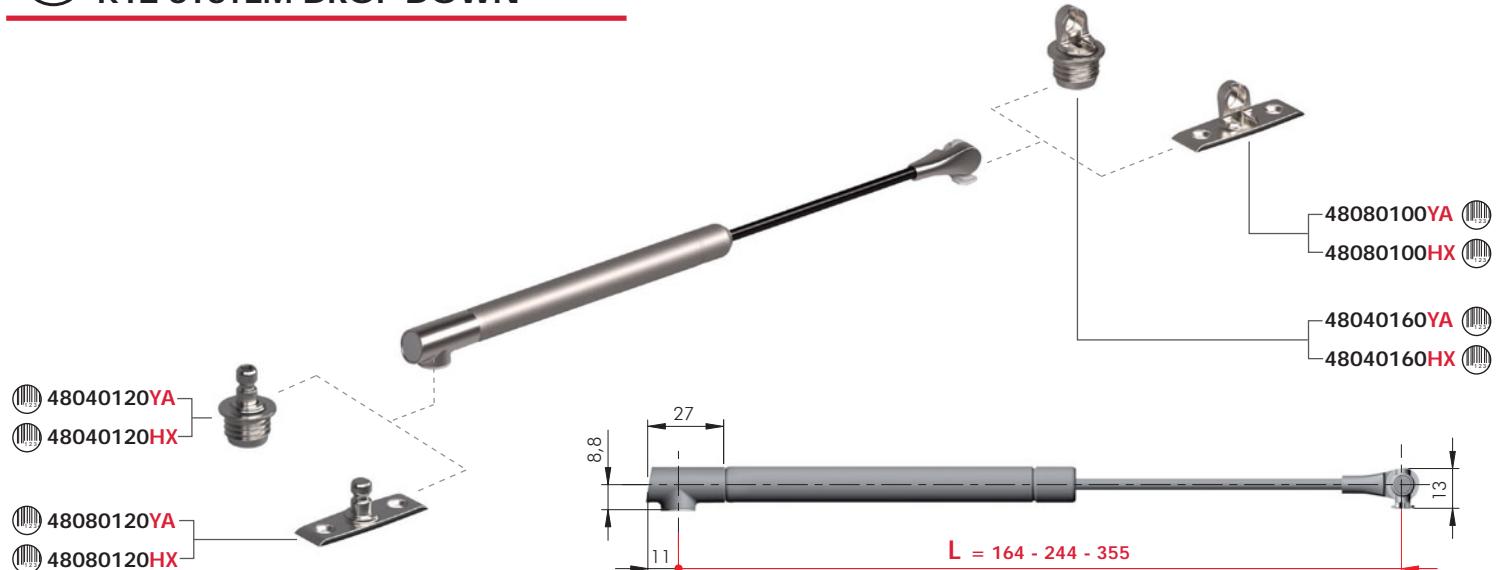
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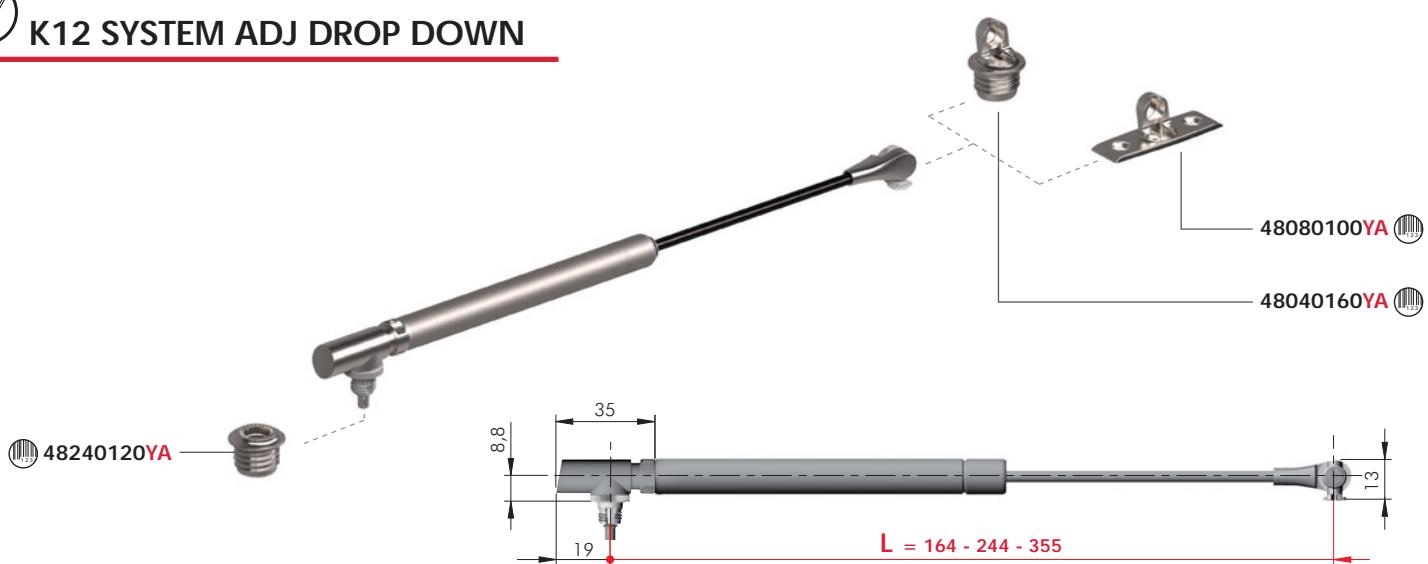
ITALIANA
ferramenta



K12 SYSTEM DROP DOWN



K12 SYSTEM ADJ DROP DOWN



ZA EP ST



= 100 pcs. for L. 164 mm
50 pcs. for L. 244 and 355 mm

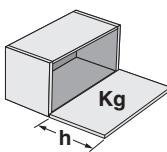
L	K12 SYSTEM	K12 SYSTEM ADJ
164	48050200UZ	48250200UZ
244	48060200UZ	48260200UZ
355	48070200UZ	48270200UZ

+ Part.no + HX

+ Part.no + HX = K12 System with end parts in graphite finish are available on request.



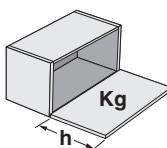
Number of stays chart - L 164 mm



Rev. 02

h	Door weight (Kg)					
	1	2	3	4	5	6
200 - 224	1 x K12	2 x K12				
225 - 274	1 x K12	2 x K12			3 x K12	
275 - 300	1 x K12	2 x K12		3 x K12		

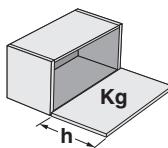
Number of stays chart - L 244 mm



Rev. 02

h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
290 - 324	1 x K12			2 x K12			3 x K12			4 x K12			
325 - 374	1 x K12		2 x K12			3 x K12			4 x K12				
375 - 424	1 x K12		2 x K12		3 x K12		4 x K12						
425 - 474	1 x K12		2 x K12		3 x K12		4 x K12						-
475 - 500	1 x K12		2 x K12		3 x K12		4 x K12						-

Number of stays chart - L 355 mm



Rev. 02

h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
390 - 424	-		1 x K12			2 x K12			3 x K12				
425 - 474	-		1 x K12			2 x K12			3 x K12				
475 - 524	-		1 x K12		2 x K12			3 x K12					
525 - 574	-		1 x K12		2 x K12		3 x K12						
575 - 600	1 x K12		2 x K12		3 x K12		4 x K12						

These are experimental results to be checked by the customer. In accordance with the actual European regulation, we suggest to use at least two stays for each door. Our technical department is at your disposal to test further cases out of this chart.



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ferramenta



DROP DOWN DRILLING PLANS WITH KIMANA HINGE

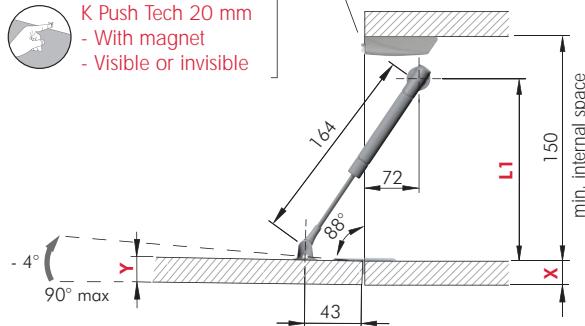
**K12 SYSTEM
CONFIGURATOR:**



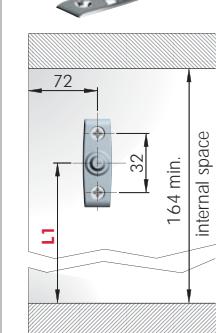
L 164 mm

- Magnet K Lock visible or invisible
- K Push Tech 20 mm - With magnet - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



SCREW FIXING BRACKETS:



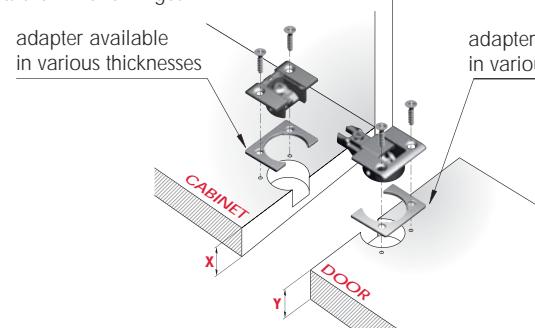
Bracket not available for K12 SYSTEM ADJ

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

⚠️ Overcrossing 90° door opening angle, it negatively effects the Kimana hinges.

Cabinet (X)		Door (Y)		L1
16 mm		16 mm	2 mm	129
16 mm		19 mm	-	131
18 mm		18 mm	-	129
19 mm	-	16 mm	2 mm	125
19 mm	-	19 mm	-	127
20 mm	-	20 mm	-	127

adapter available in various thicknesses

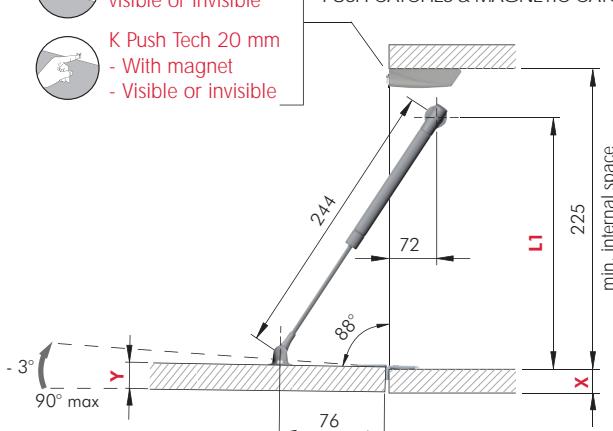


adapter available in various thicknesses

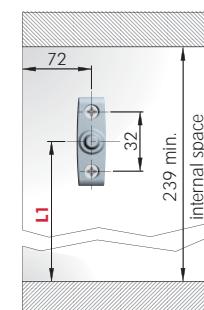
L 244 mm

- Magnet K Lock visible or invisible
- K Push Tech 20 mm - With magnet - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



SCREW FIXING BRACKETS:



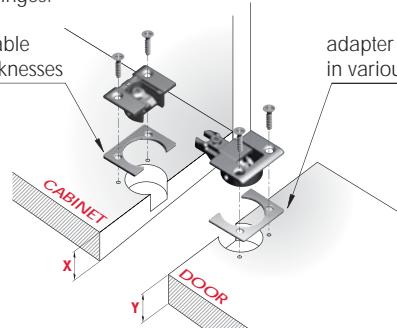
Bracket not available for K12 SYSTEM ADJ

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

⚠️ Overcrossing 90° door opening angle, it negatively effects the Kimana hinges.

Cabinet (X)		Door (Y)		L1
16 mm		16 mm	2 mm	208
16 mm		19 mm	-	210
18 mm		18 mm	-	208
19 mm	-	16 mm	2 mm	204
19 mm	-	19 mm	-	206
20 mm	-	20 mm	-	206

adapter available in various thicknesses



adapter available in various thicknesses

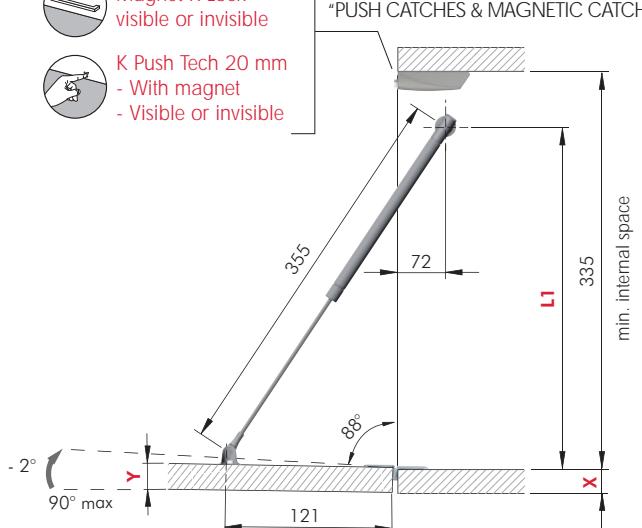
For Kimana and adapter details refer to section "HINGES".



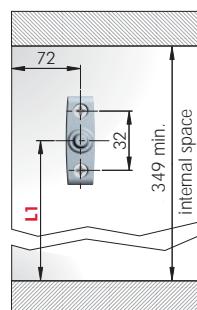
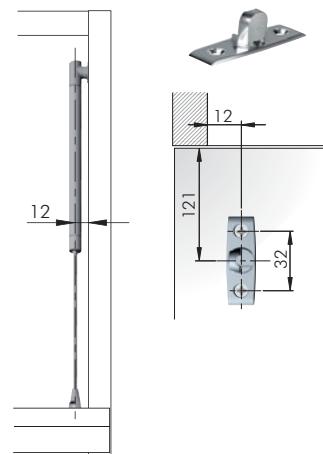
L 355 mm

-  Magnet K Lock visible or invisible
-  K Push Tech 20 mm - With magnet - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



SCREW FIXING BRACKETS:



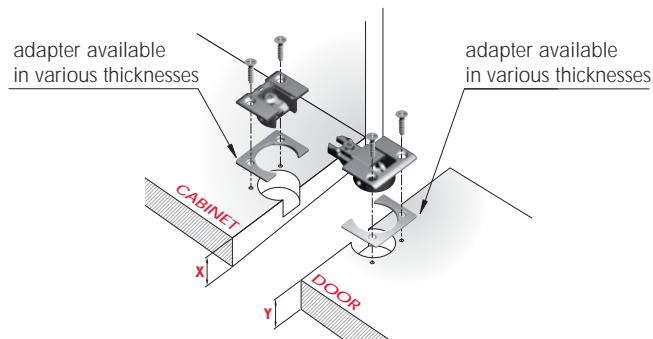
Bracket not available for K12 SYSTEM ADJ

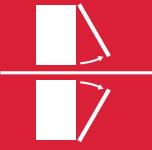
Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

⚠️ Overcrossing 90° door opening angle, it negatively effects the Kimana hinges.

Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	314
16 mm	4 mm	19 mm	-	316
18 mm	2 mm	18 mm	-	314
19 mm	-	16 mm	2 mm	310
19 mm	-	19 mm	-	312
20 mm	-	20 mm	-	312

For Kimana and adapter details refer to section "HINGES".





OPENING
SYSTEMS FOR
FLAP AND
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K12 system & K12 system ADJ

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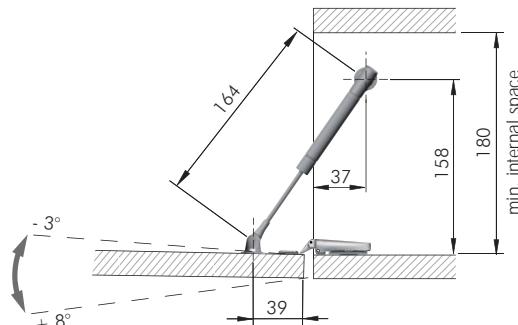


DROP DOWN DRILLING PLANS WITH STANDARD HINGES OPENING WITH HANDLE

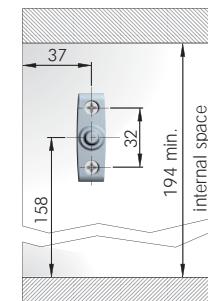
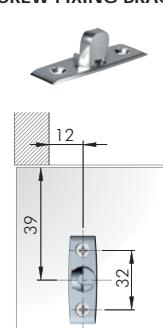
K12 SYSTEM
CONFIGURATOR:



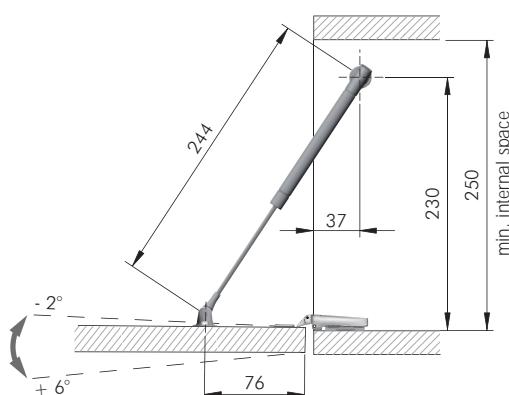
L 164 mm



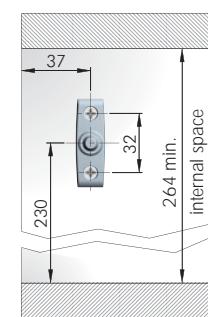
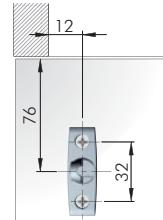
SCREW FIXING BRACKETS:



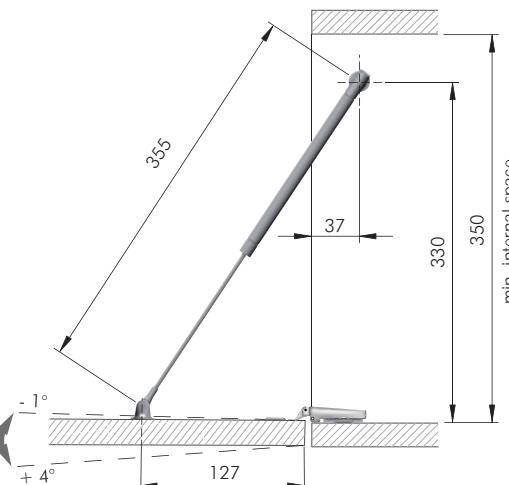
L 244 mm



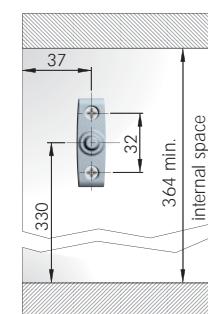
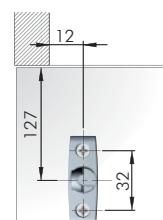
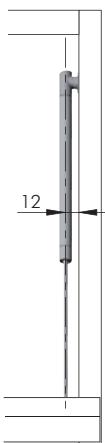
SCREW FIXING BRACKETS:



L 355 mm



SCREW FIXING BRACKETS:



Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

The dimensions of the drilling plans refer to carcases which use **standard sprung hinges** and mounting plates 0 mm. Please note that the opening angle varies with respect to the hinge brand and adjustment carried out.



Please note that in case of use of **unsprung hinges, magnet K Lock** is required. For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



**K12 SYSTEM
CONFIGURATOR:**

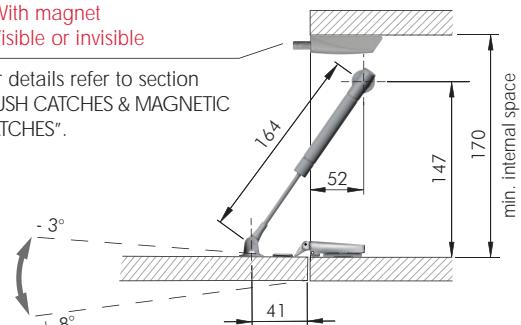


DROP DOWN DRILLING PLANS WITH STANDARD HINGES **PUSH TO OPEN**

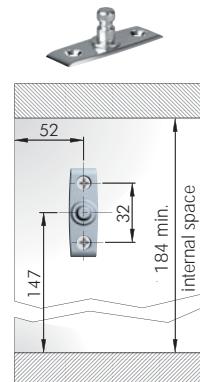
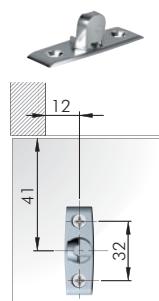
L 164 mm

- K Push Tech 14 mm
- With magnet
- Visible or invisible

For details refer to section
"PUSH CATCHES & MAGNETIC
CATCHES".



SCREW FIXING BRACKETS:

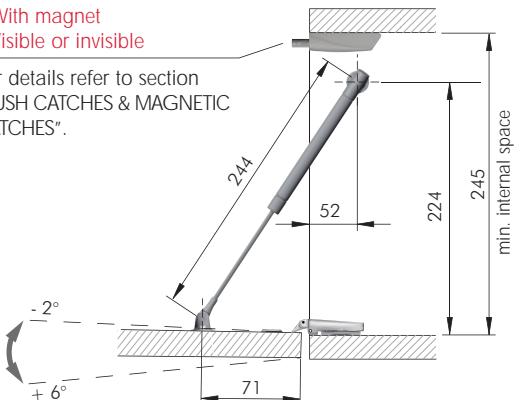


Bracket not available for
K12 SYSTEM ADJ

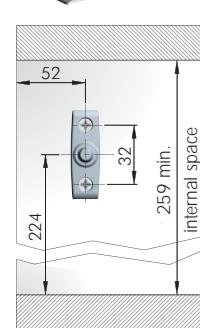
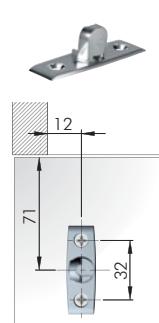
L 244 mm

- K Push Tech 14 mm
- With magnet
- Visible or invisible

For details refer to section
"PUSH CATCHES & MAGNETIC
CATCHES".



SCREW FIXING BRACKETS:

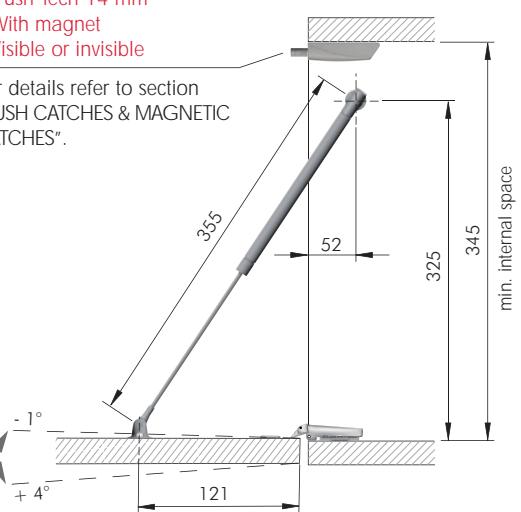


Bracket not available for
K12 SYSTEM ADJ

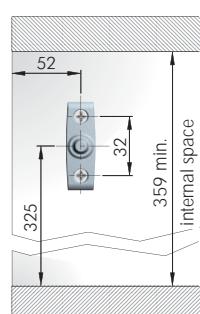
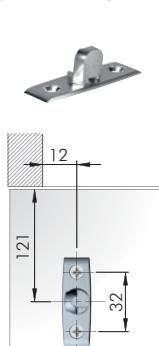
L 355 mm

- K Push Tech 14 mm
- With magnet
- Visible or invisible

For details refer to section
"PUSH CATCHES & MAGNETIC
CATCHES".



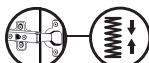
SCREW FIXING BRACKETS:



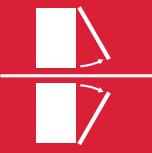
Bracket not available for
K12 SYSTEM ADJ

Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

The dimensions of the drilling plan refer to carcasses which use **standard unsprung hinges** and mounting plates 0 mm. Please note that the opening angle varies with respect to the hinge brand and adjustment carried out.



Please note that utilization with **standard sprung hinges** and **K Push Tech with buffer** is also possible. In such case, after the door is initially released by K Push Tech, a manual opening approx. 7cm is required (in order to win the spring resistance). Consequently, the door will automatically open to the fullest. For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



OPENING
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K12 system & K12 system ADJ

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DROP DOWN DRILLING PLANS WITH FLAP HINGE

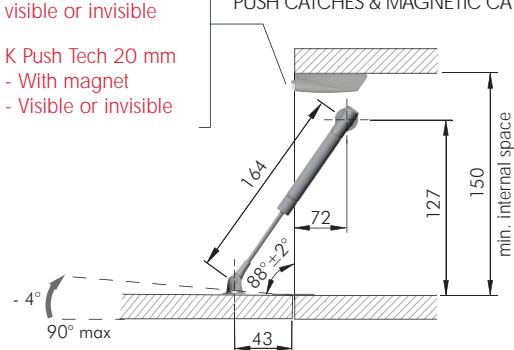
K12 SYSTEM
CONFIGURATOR:



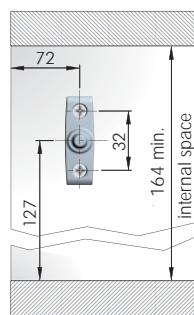
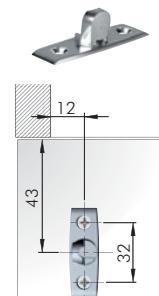
L 164 mm

- Magnet K Lock visible or invisible
- K Push Tech 20 mm
 - With magnet
 - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



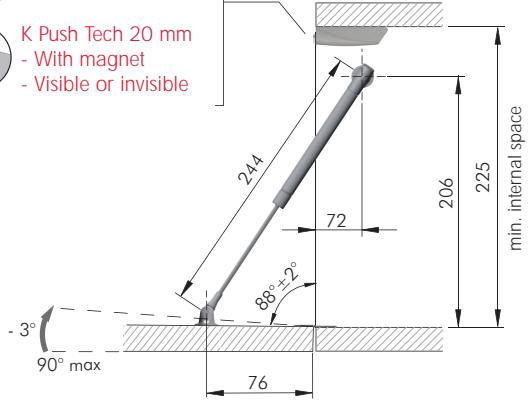
SCREW FIXING BRACKETS:



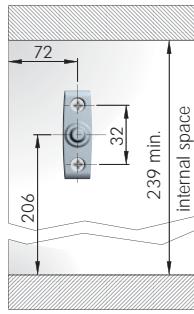
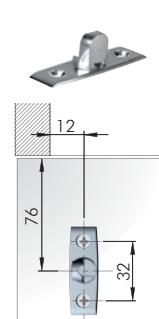
L 244 mm

- Magnet K Lock visible or invisible
- K Push Tech 20 mm
 - With magnet
 - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



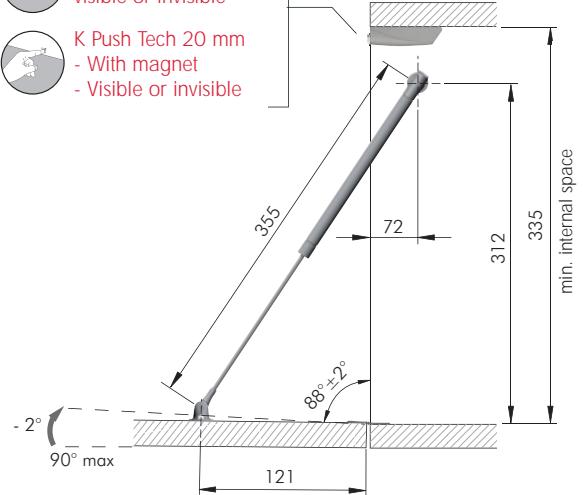
SCREW FIXING BRACKETS:



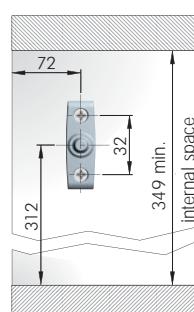
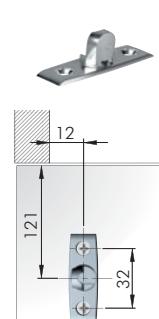
L 355 mm

- Magnet K Lock visible or invisible
- K Push Tech 20 mm
 - With magnet
 - Visible or invisible

For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



SCREW FIXING BRACKETS:



Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

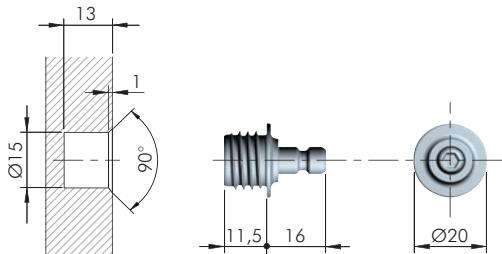
⚠ Overcrossing 90° door opening angle, it negatively effects the flap hinges.

The dimensions of the drilling plan refer to carcasses which use flap hinges.



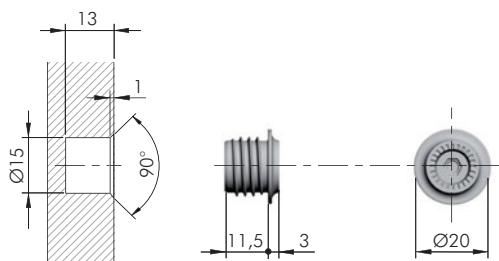
DRILLING PLANS FOR BRACKETS

SIDE BRACKET Ø15 - K12 SYSTEM



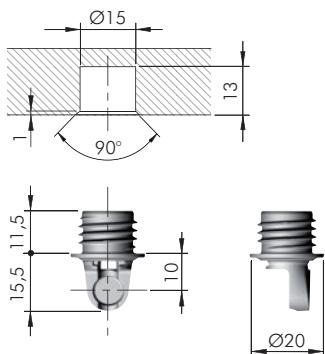
	= Ø 15 mm
	= 50 pcs.
48040120YA	
48040120HX	

SIDE BRACKET Ø15 - K12 SYSTEM ADJ

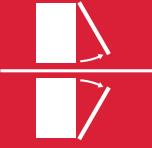


	= Ø 15 mm
	= 50 pcs.
48240120YA	

DOOR BRACKET Ø15



	= Ø 15 mm
	= 50 pcs.
48040160YA	
48040160HX	

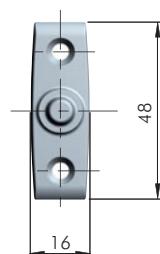
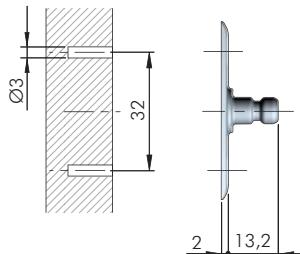


OPENING
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K12 system & K12 system ADJ

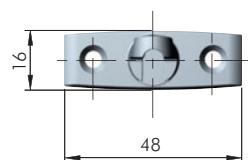
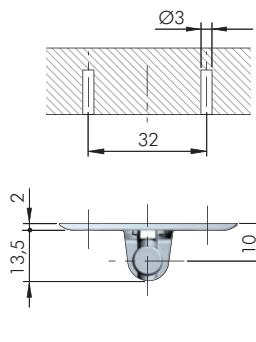
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SCREW FIXING SIDE BRACKET (Not for K12 SYSTEM ADJ)



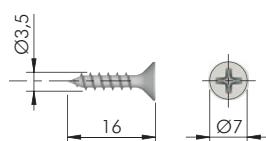
	= Ø 3 mm
	= 50 Stk.
48080120YA	
48080120HX	

SCREW FIXING DOOR BRACKET



	= Ø 3 mm
	= 50 Stk.
48080100YA	
48080100HX	

SCREW FIXING BRACKETS ACCESSORY



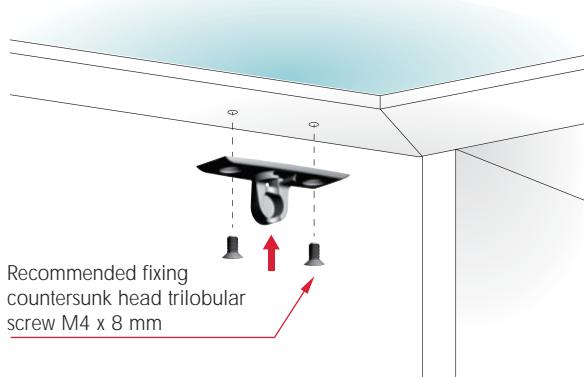
	= Ø 3 mm
	= PZ2
	= 10.000 pcs.
60101390YA	
60101390HX	



K12 SYSTEM ADAPTERS FOR ALUMINIUM FRAME DOOR



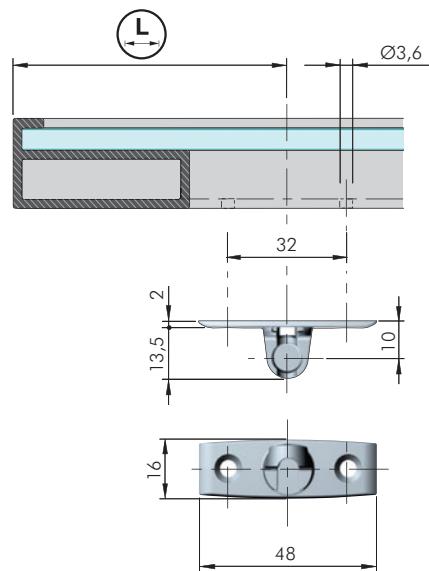
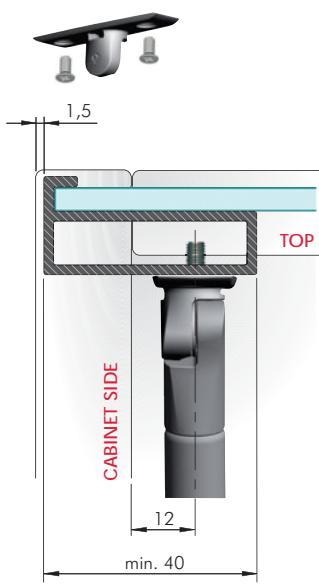
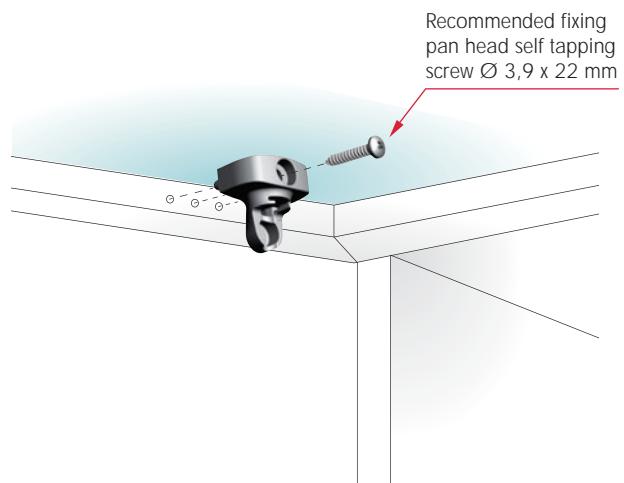
INSTALLATION ON WIDER ALUMINIUM FRAME DOOR



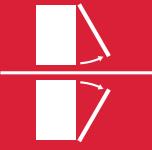
WIDER ALUMINIUM FRAME DOOR (40 mm min.)



INSTALLATION ON NARROW ALUMINIUM FRAME DOOR



= Ø 3,6 mm	= 50 pcs.
123	48080100YA

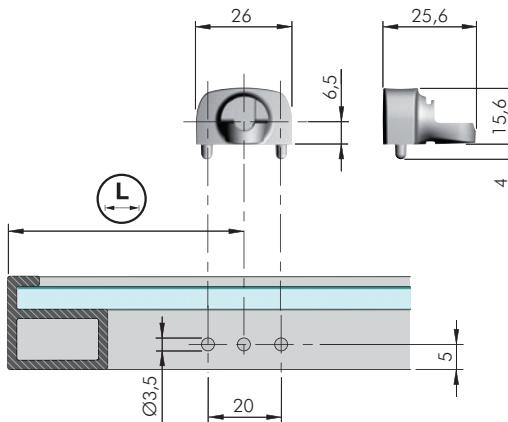
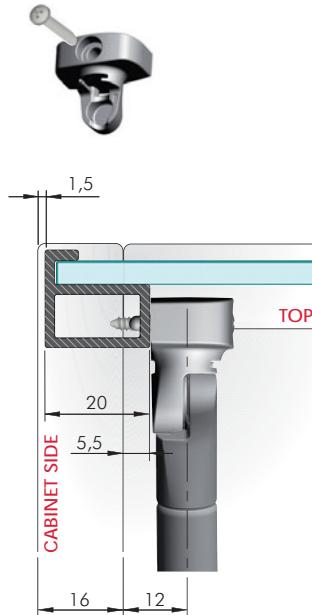


OPENING
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FLAP AND
DROP DOWN
DOORS

K12 system & K12 system ADJ

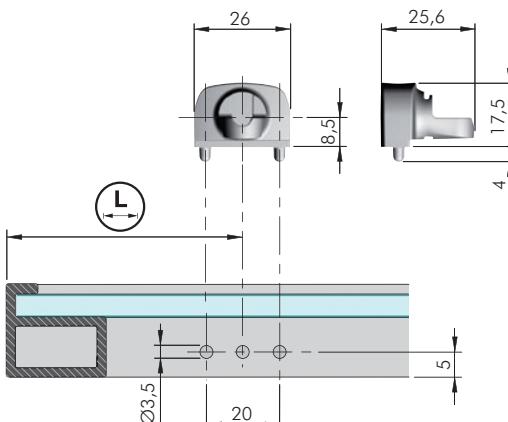
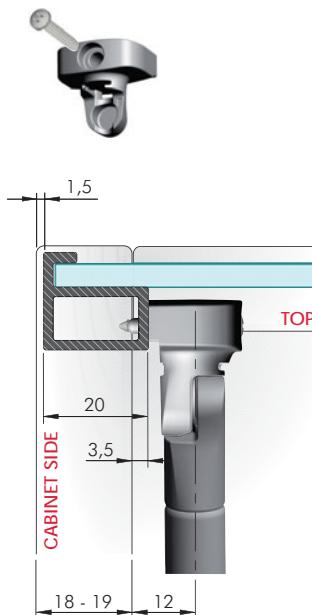
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NARROW ALUMINIUM FRAME DOOR (20 mm) WITH SIDE PANEL THICKNESS 16 mm

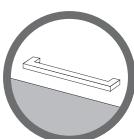


	= Ø 3,5 mm
48080140YA	

NARROW ALUMINIUM FRAME DOOR (20 mm) WITH SIDE PANEL THICKNESS 18 mm



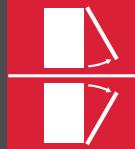
	= Ø 3,5 mm
48080150YA	



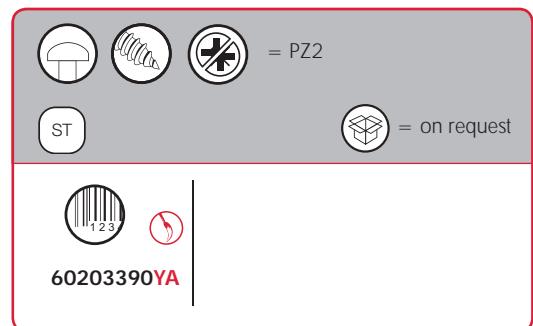
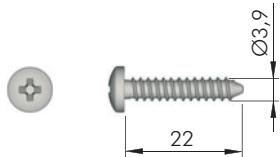
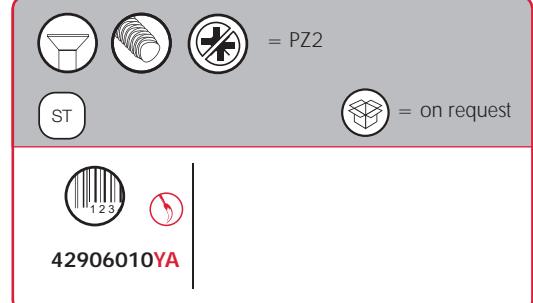
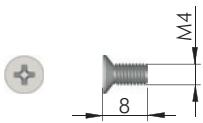
K12 System & K12 System ADJ		L
164	39	
244	76	
355	127	

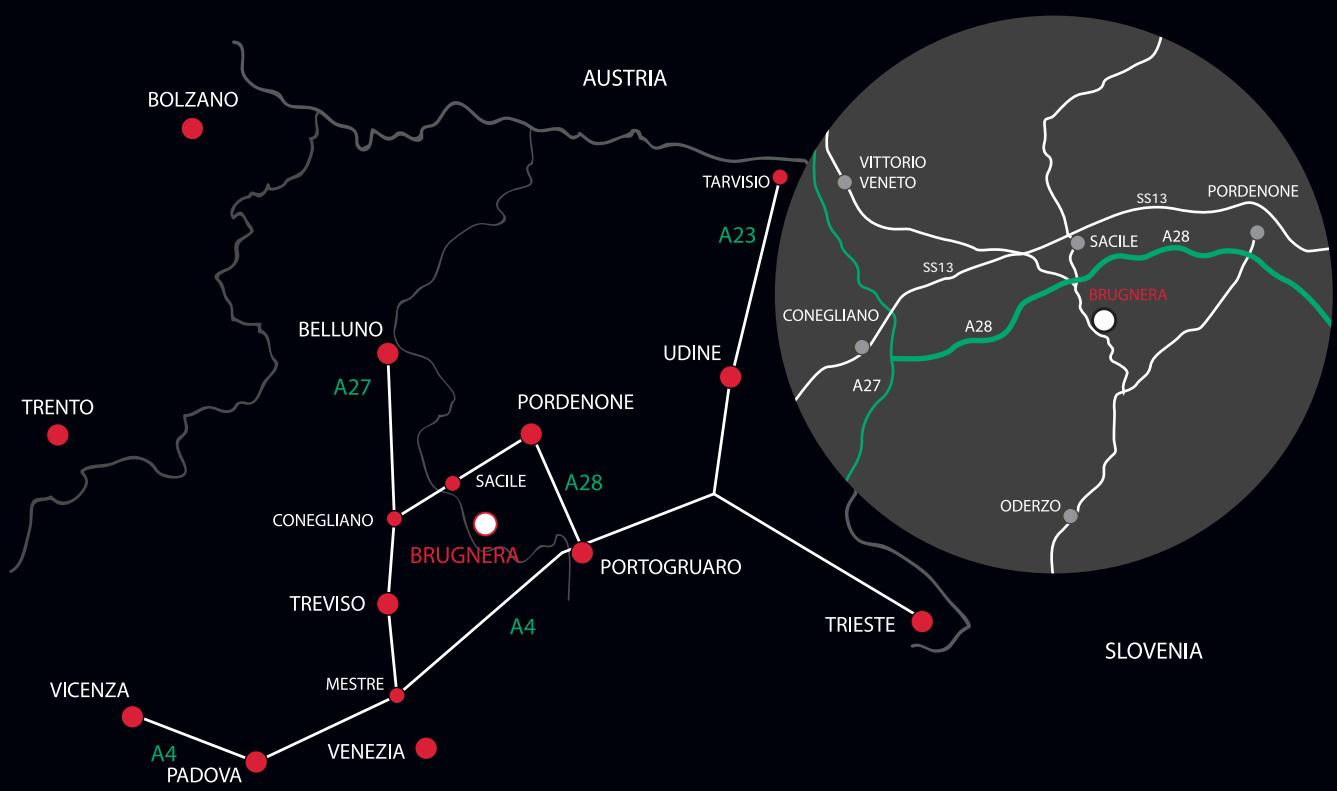
K12 System & K12 System ADJ		L
164	41	
244	71	
355	121	

K12 System & K12 System ADJ		L
164	43	
244	76	
355	121	



ALUMINIUM ADAPTERS FIXING ACCESSORIES





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