



## K12 SYSTEM DROP DOWN

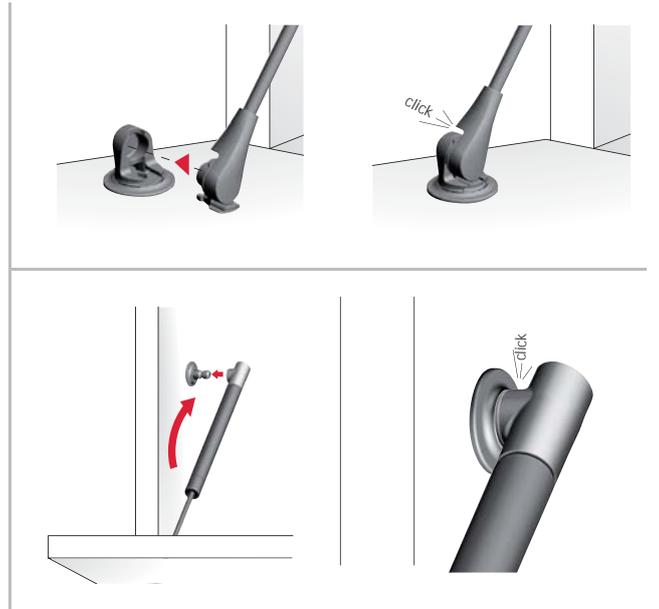
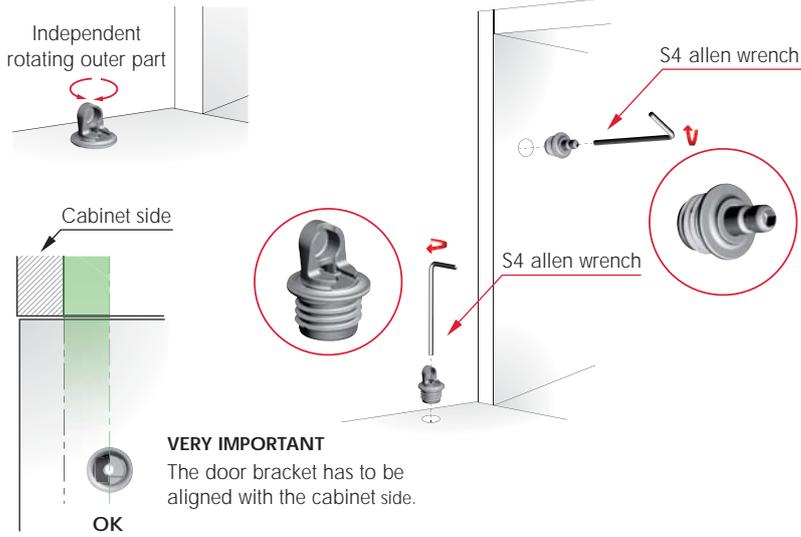


REGISTERED DESIGN  
Certificates available on request.



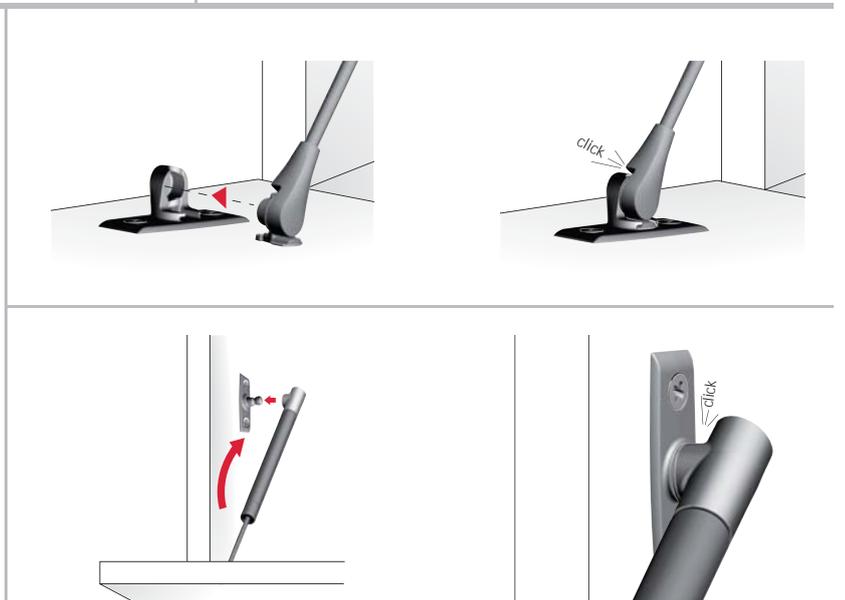
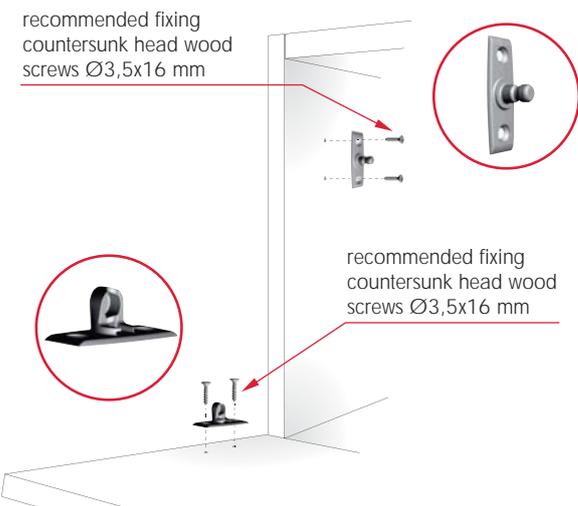
### BRACKET Ø15 INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".



### SCREW FIXING BRACKETS INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".





## K12 SYSTEM ADJ DROP DOWN

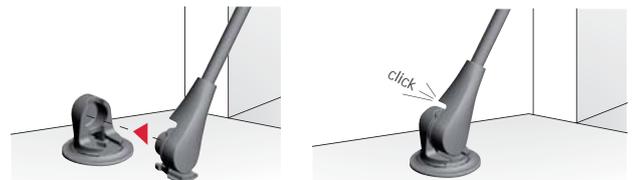
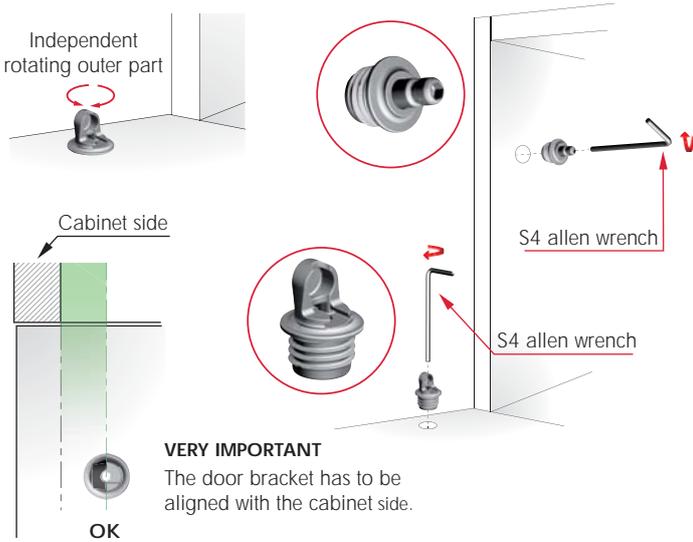


Certificates available on request.

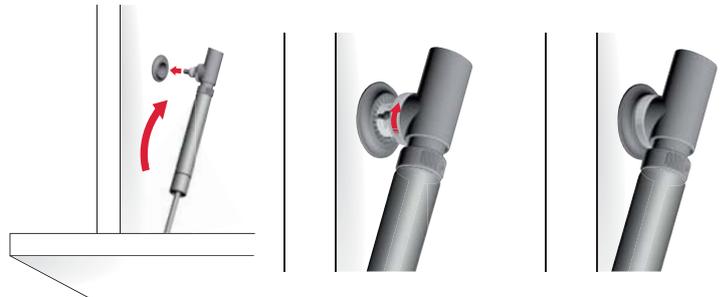


### BRACKET Ø15 INSTALLATION

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



LOCKING: Rotate the plastic knob.

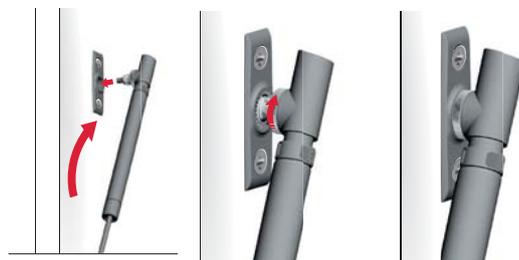


### SCREW FIXING BRACKETS INSTALLATION

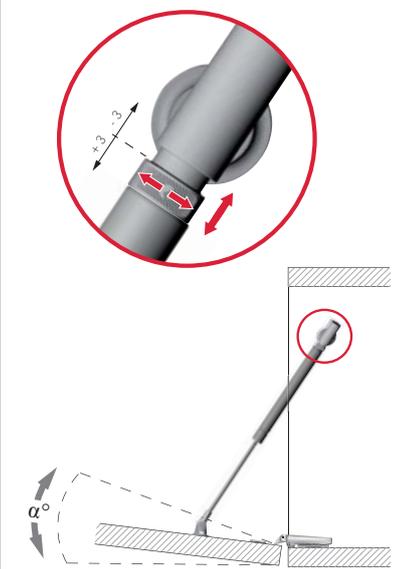
- For details refer to "K12 SYSTEM BRACKETS".

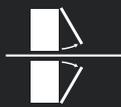


LOCKING: Rotate the plastic knob.

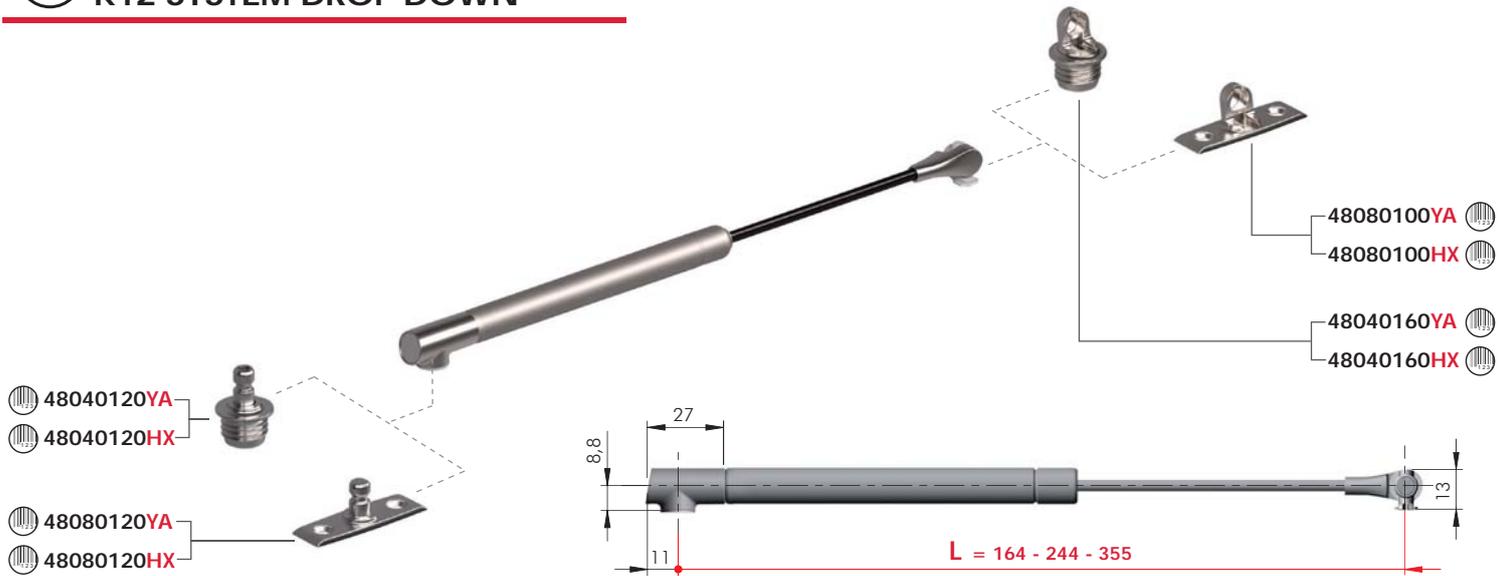


### ADJUSTMENT

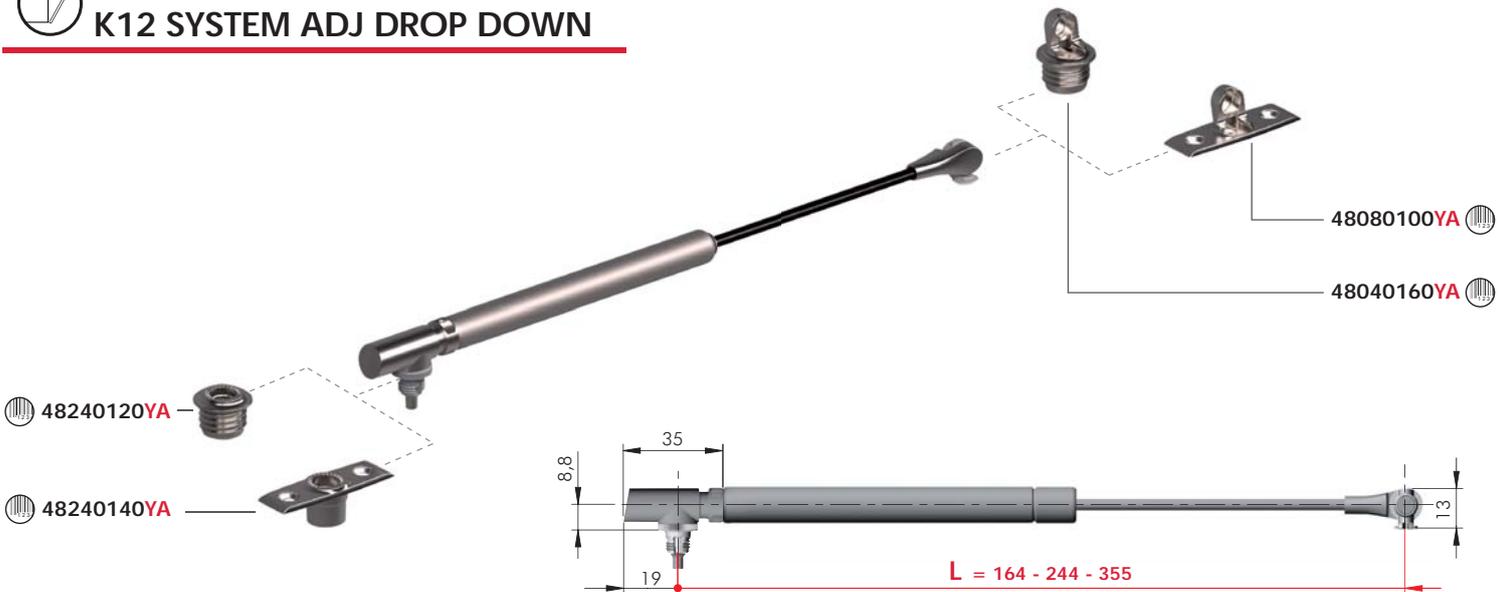




## K12 SYSTEM DROP DOWN



## K12 SYSTEM ADJ DROP DOWN



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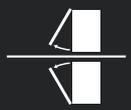


= 100 pcs. for L. 164 mm  
50 pcs. for L. 244 and 355 mm

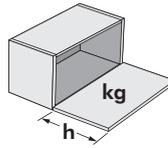
L	K12 SYSTEM	K12 SYSTEM ADJ
164	48050200UZ	48250200UZ
244	48060200UZ	48260200UZ
355	48070200UZ	48270200UZ

+ Part.no + HX

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



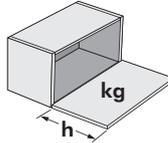
**Number of stays chart - L 164 mm**



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	

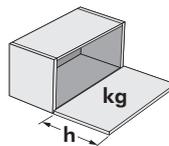
**Number of stays chart - L 244 mm**



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			-			

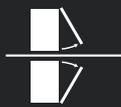
**Number of stays chart - L 355 mm**



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.



K12 SYSTEM  
CONFIGURATOR:

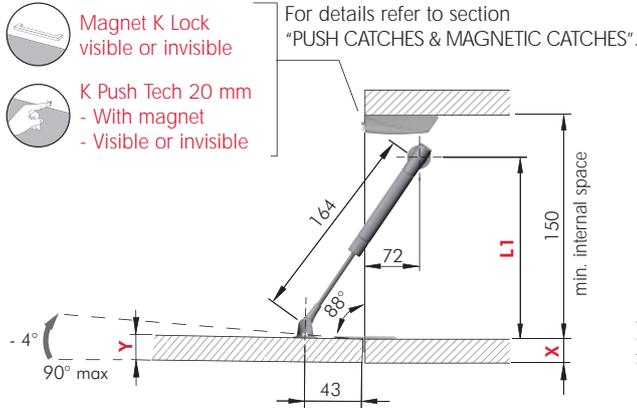


## DROP DOWN DRILLING PLANS WITH KIMANA HINGE

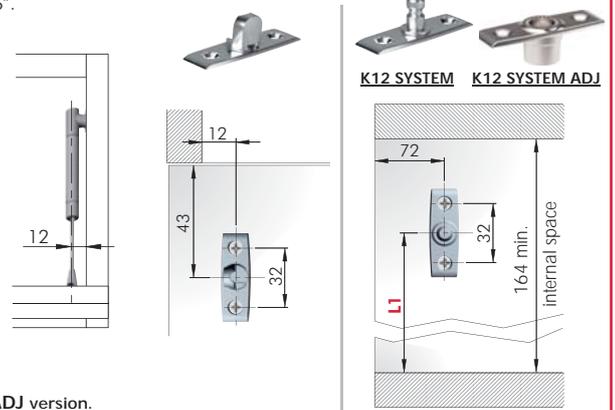
### L 164 mm

Magnet K Lock  
visible or invisible

K Push Tech 20 mm  
- With magnet  
- Visible or invisible



### SCREW FIXING BRACKETS:

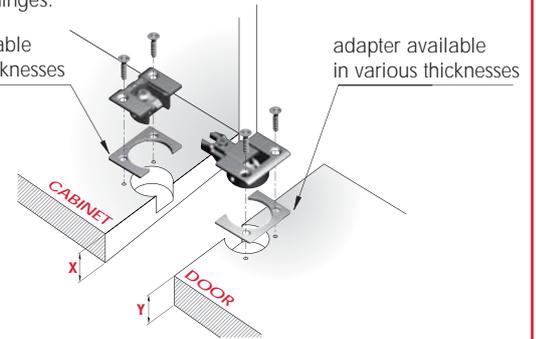


**Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.

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

Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	129
16 mm	4 mm	19 mm	-	131
18 mm	2 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

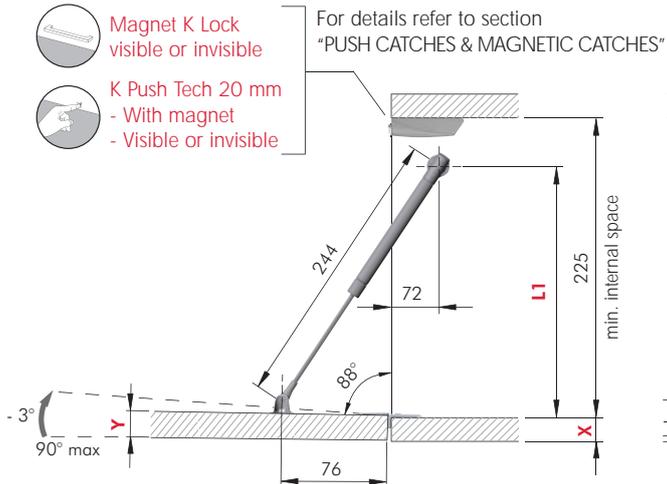


adapter available  
in various thicknesses

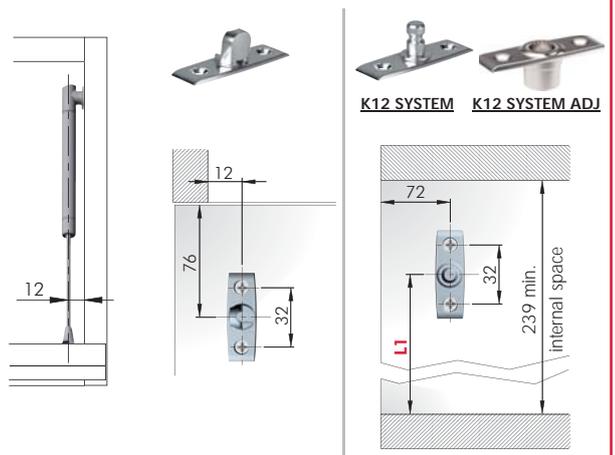
### L 244 mm

Magnet K Lock  
visible or invisible

K Push Tech 20 mm  
- With magnet  
- Visible or invisible



### SCREW FIXING BRACKETS:

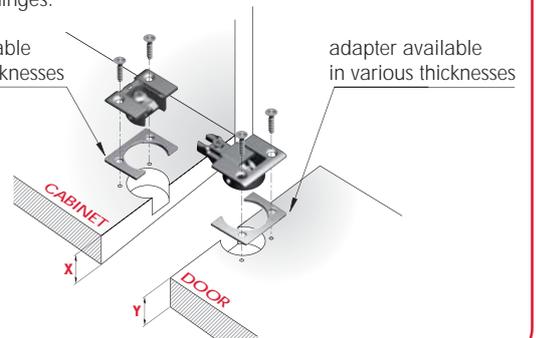


**Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.

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

Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	208
16 mm	4 mm	19 mm	-	210
18 mm	2 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

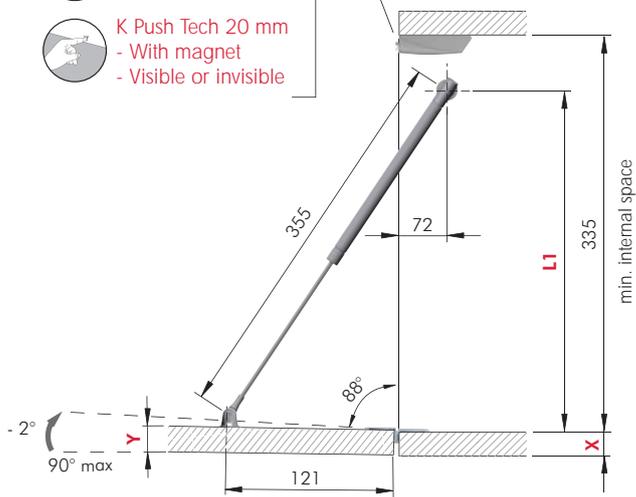
For Kimana and adapter details refer to section "HINGES".



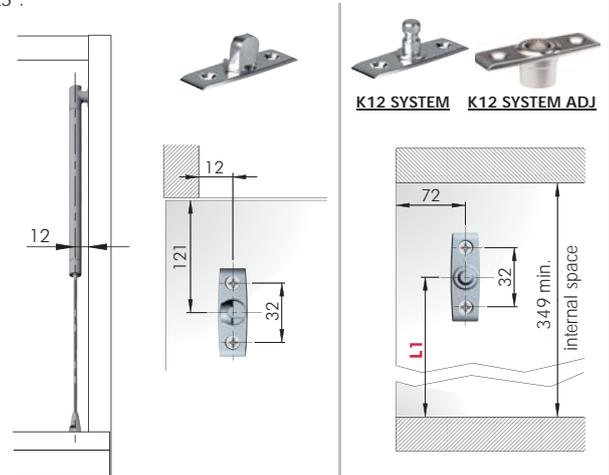
L 355 mm

-  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".

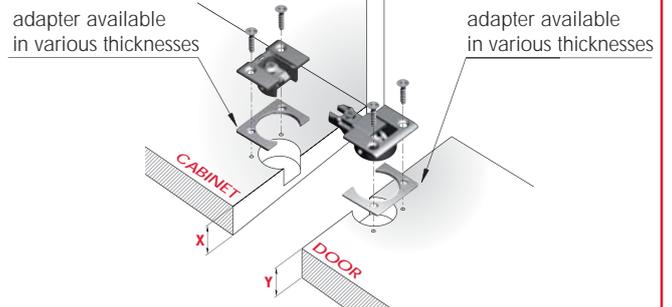


**SCREW FIXING BRACKETS:**

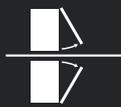


- Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.
-  Overcrossing 90° door opening angle, it negatively effects the Kimana hinges.

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

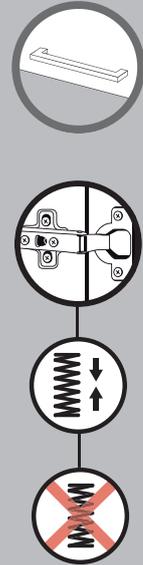


For Kimana and adapter details refer to section "HINGES".

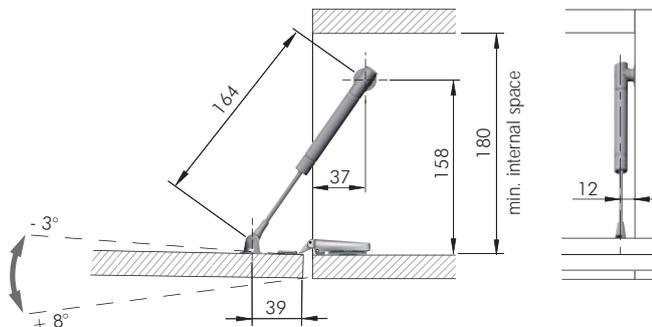


**DROP DOWN DRILLING PLANS WITH STANDARD HINGES**  
**OPENING WITH HANDLE**

K12 SYSTEM  
CONFIGURATOR:

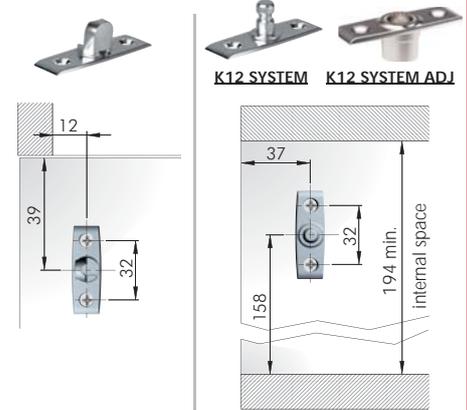


L 164 mm

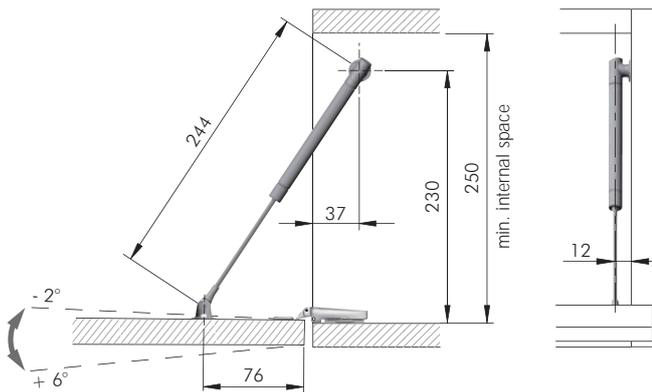


Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

SCREW FIXING BRACKETS:

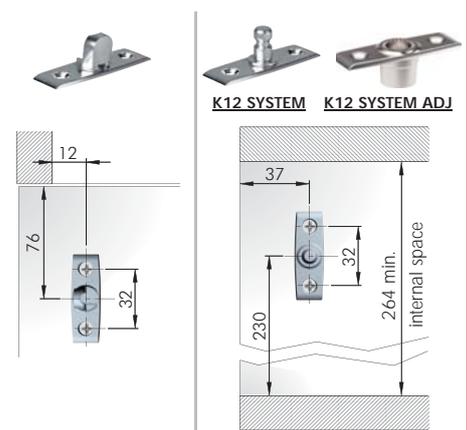


L 244 mm

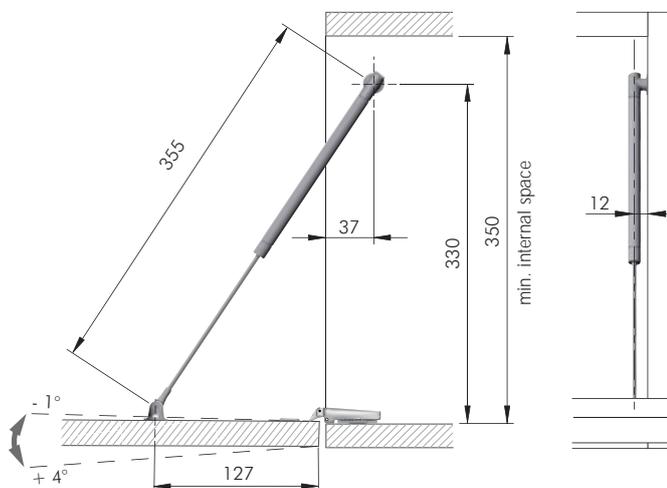


Opening angle adjustment is possible only with K12 SYSTEM ADJ version.

SCREW FIXING BRACKETS:

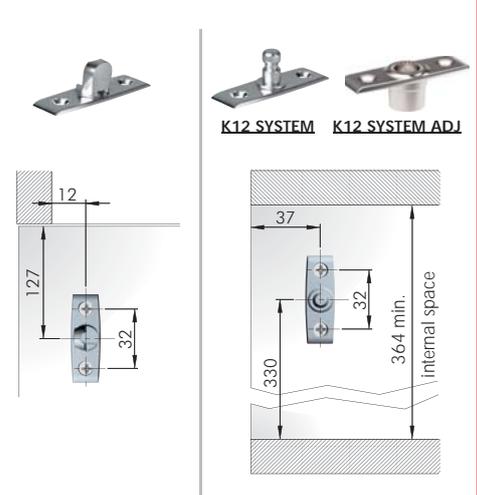


L 355 mm



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

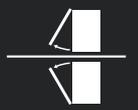
SCREW FIXING BRACKETS:



The dimensions of the drilling plans refer to carcasses 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.

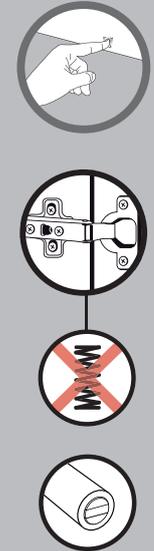


Please note that in case of use of **unsprung hinges**, **magnet K Lock** is required. For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



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

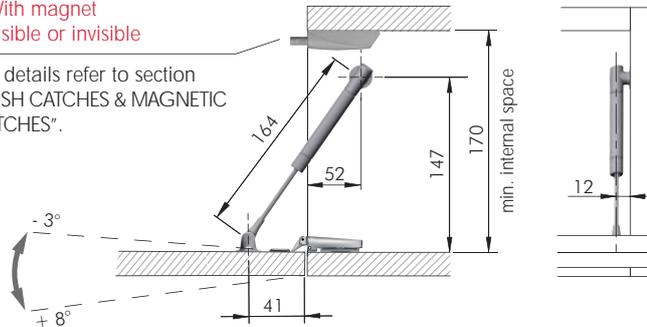
K12 SYSTEM  
CONFIGURATOR:



**L 164 mm**

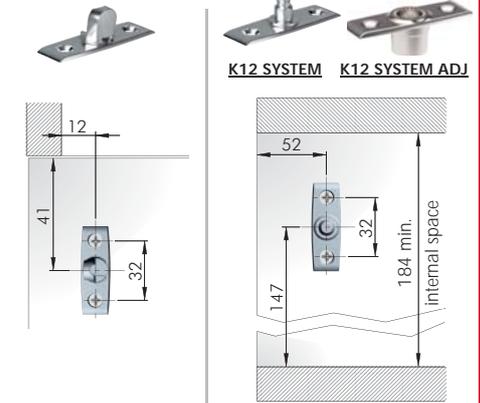
**K Push Tech 14 mm**  
- With magnet  
- Visible or invisible

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



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

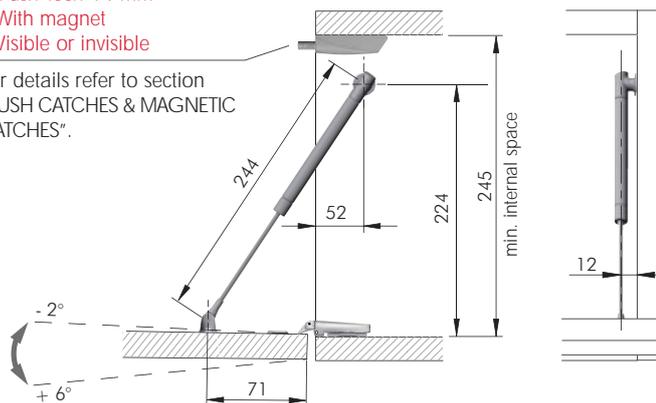
**SCREW FIXING BRACKETS:**



**L 244 mm**

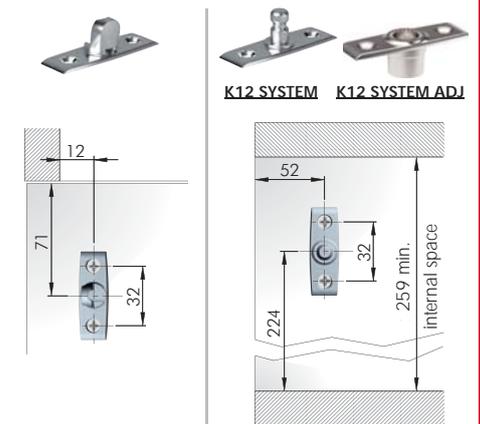
**K Push Tech 14 mm**  
- With magnet  
- Visible or invisible

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



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

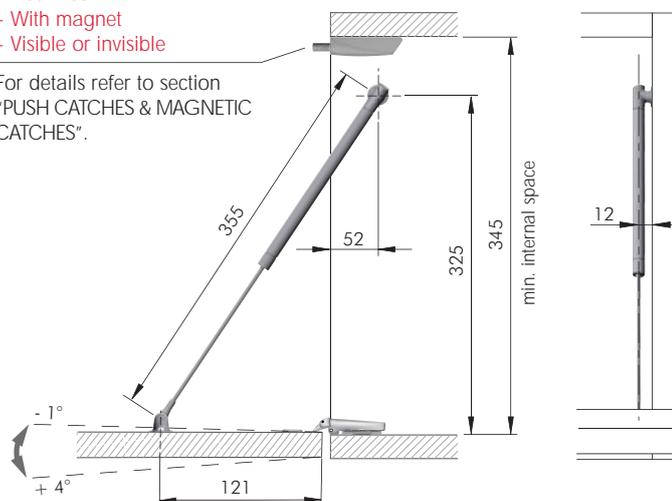
**SCREW FIXING BRACKETS:**



**L 355 mm**

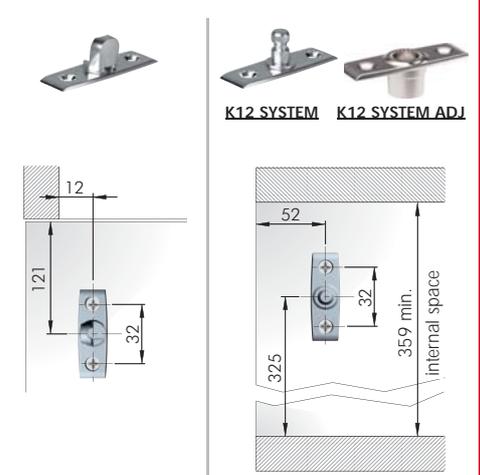
**K Push Tech 14 mm**  
- With magnet  
- Visible or invisible

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



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

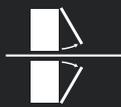
**SCREW FIXING BRACKETS:**



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".



## DROP DOWN DRILLING PLANS WITH FLAP HINGE

K12 SYSTEM  
CONFIGURATOR:



### L 164 mm

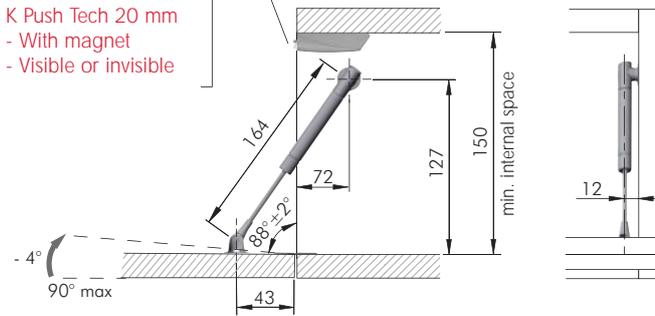


Magnet K Lock  
visible or invisible



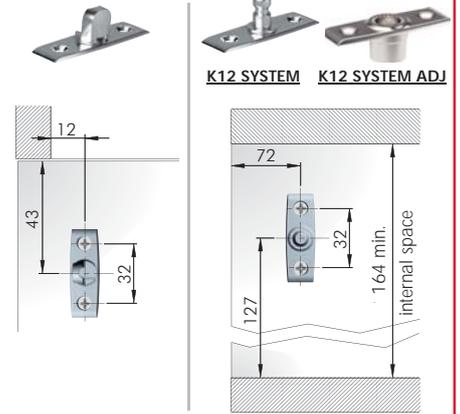
K Push Tech 20 mm  
- With magnet  
- Visible or invisible

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



**Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.  
⚠ Overcrossing 90° door opening angle, it negatively effects the flap hinges.

#### SCREW FIXING BRACKETS:



### L 244 mm

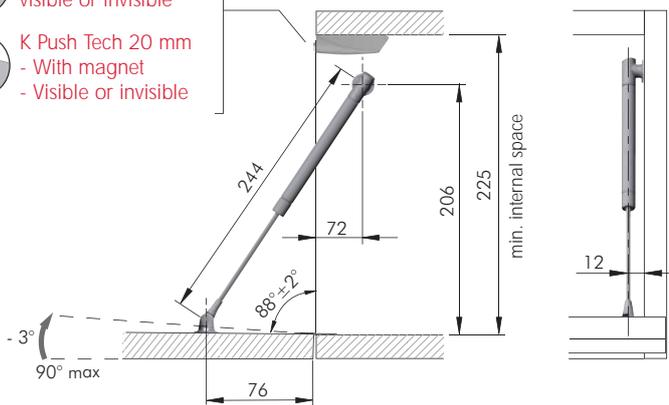


Magnet K Lock  
visible or invisible



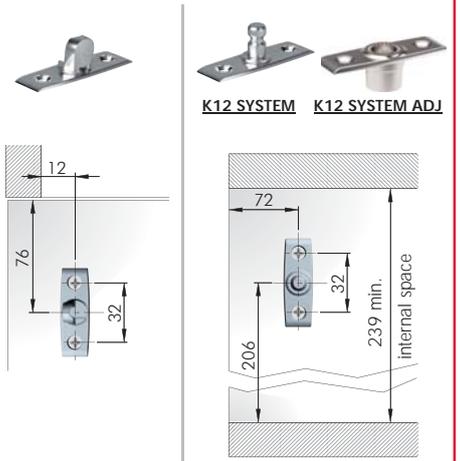
K Push Tech 20 mm  
- With magnet  
- Visible or invisible

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



**Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.  
⚠ Overcrossing 90° door opening angle, it negatively effects the flap hinges.

#### SCREW FIXING BRACKETS:



### L 355 mm

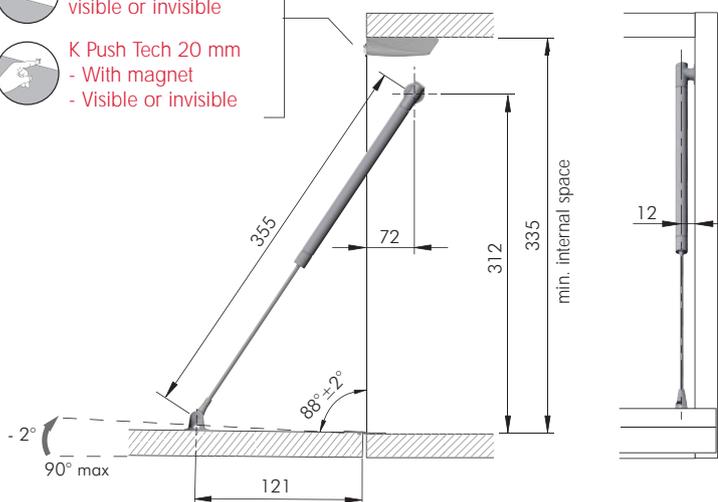


Magnet K Lock  
visible or invisible



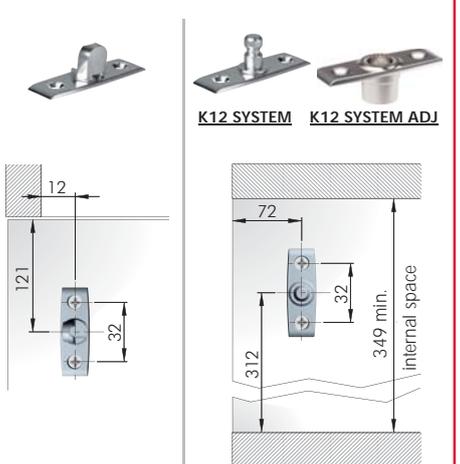
K Push Tech 20 mm  
- With magnet  
- Visible or invisible

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



**Opening angle adjustment** is possible only with K12 SYSTEM ADJ version.  
⚠ Overcrossing 90° door opening angle, it negatively effects the flap hinges.

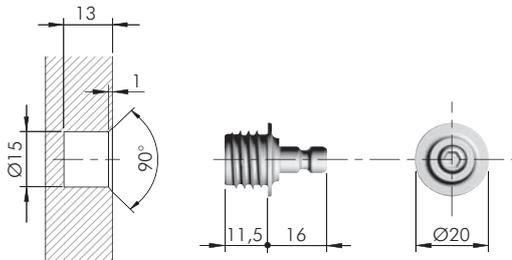
#### SCREW FIXING BRACKETS:





## K12 SYSTEM & K12 SYSTEM ADJ BRACKETS

### SIDE BRACKET Ø15 - K12 SYSTEM



= Ø 15 mm



ZA



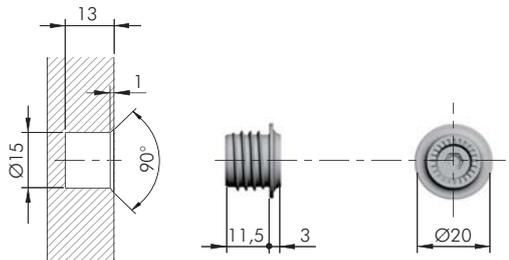
= 50 pcs.



48040120YA

48040120HX

### SIDE BRACKET Ø15 - K12 SYSTEM ADJ



= Ø 15 mm



ZA

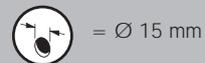
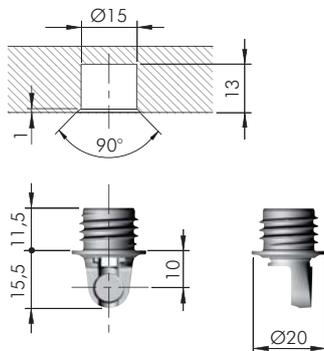


= 50 pcs.



48240120YA

### DOOR BRACKET Ø15



= Ø 15 mm



ZA

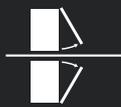


= 50 pcs.

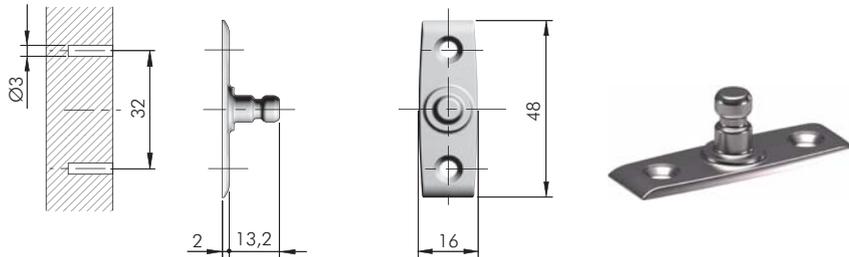


48040160YA

48040160HX



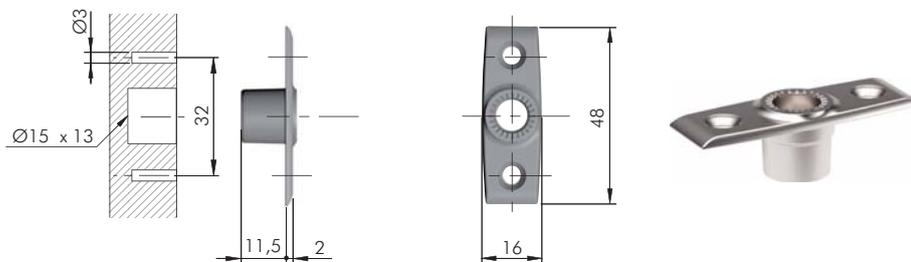
### SCREW FIXING SIDE BRACKET FOR K12 SYSTEM



48080120YA

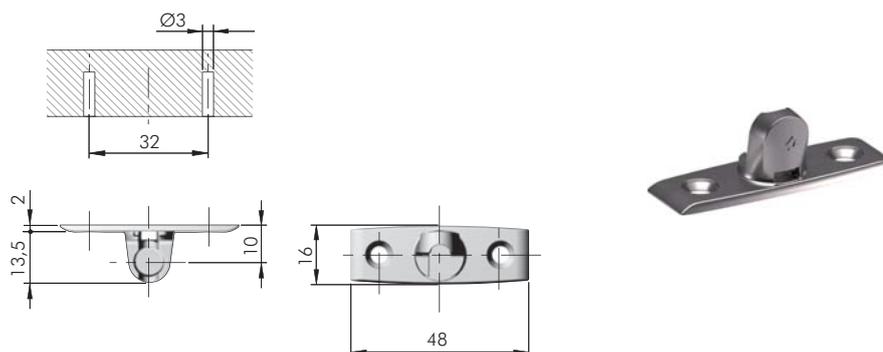
48080120HX

### SCREW FIXING SIDE BRACKET FOR K12 SYSTEM ADJ



48240140YA

### SCREW FIXING DOOR BRACKET



48080100YA

48080100HX

### SCREW FIXING BRACKETS ACCESSORY



60101390YA

60101390HX



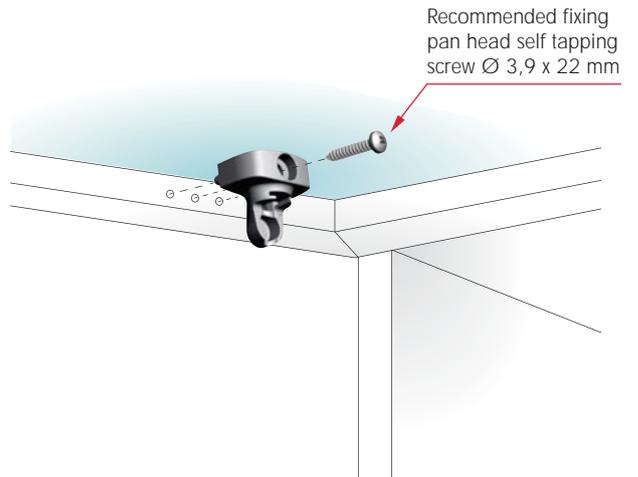
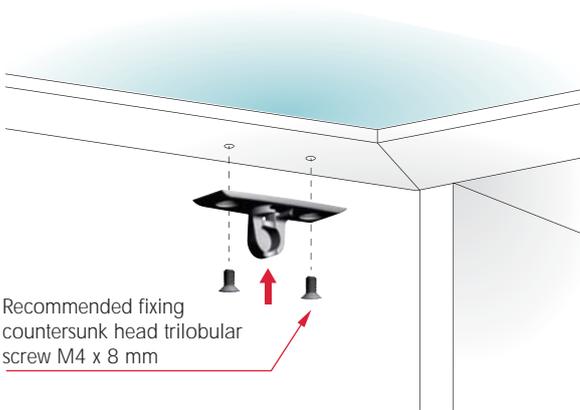
## K12 SYSTEM ADAPTERS FOR ALUMINIUM FRAME DOOR



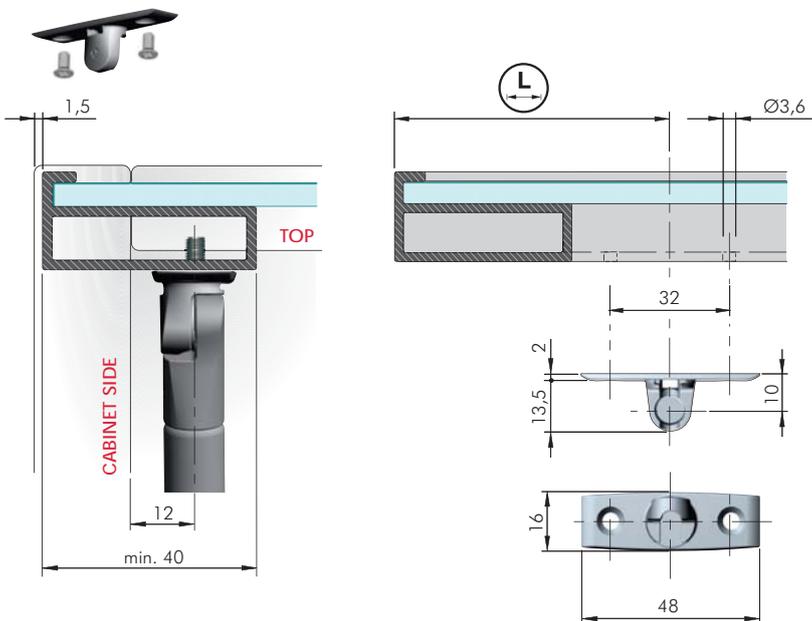
INSTALLATION ON WIDER ALUMINIUM FRAME DOOR



INSTALLATION ON NARROW ALUMINIUM FRAME DOOR



### WIDER ALUMINIUM FRAME DOOR (40 mm min.)



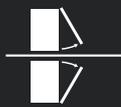
= Ø 3,6 mm



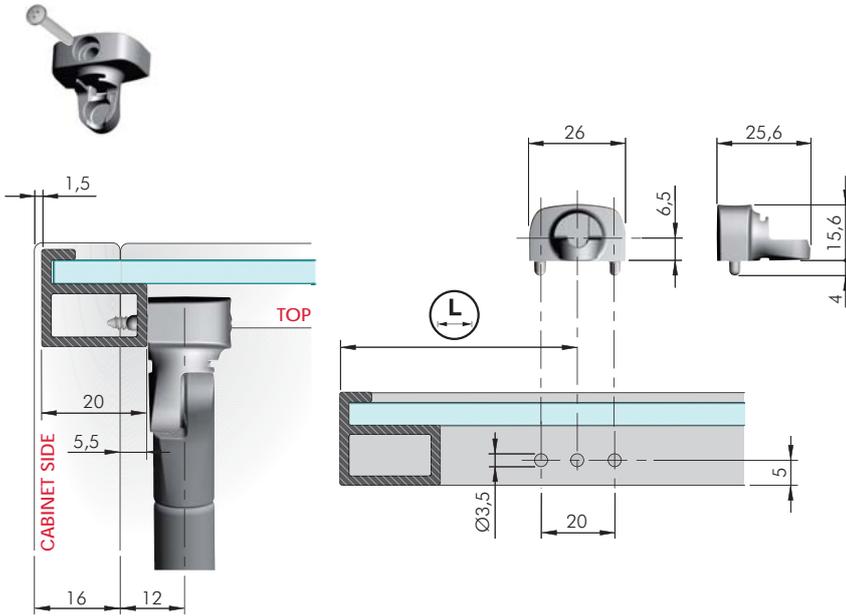
= 50 pcs.



48080100YA

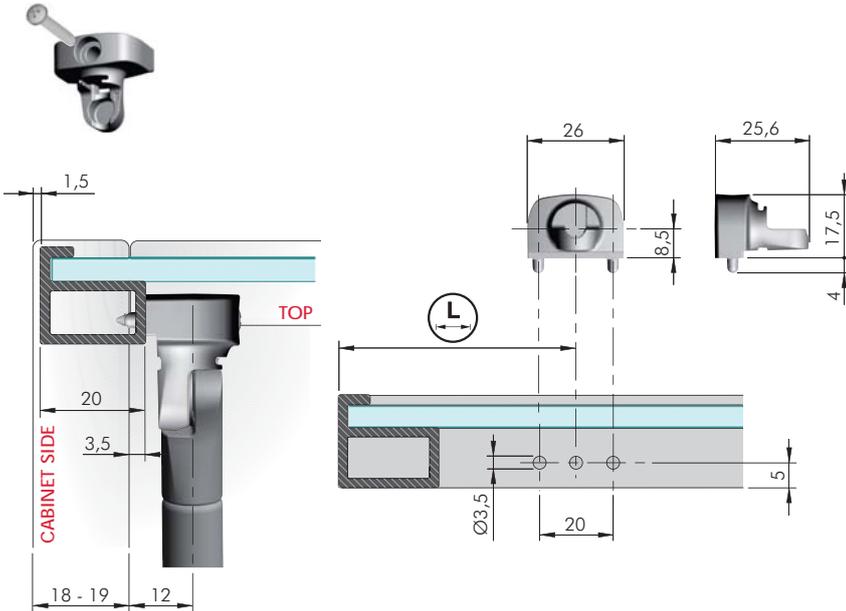


NARROW ALUMINIUM FRAME DOOR (20 mm) WITH SIDE PANEL THICKNESS 16 mm

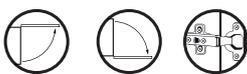
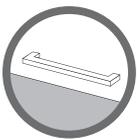


= Ø 3,5 mm  
 = 50 pcs.  
 123   
**48080140YA**

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



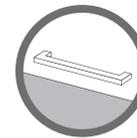
= Ø 3,5 mm  
 = 50 pcs.  
 123   
**48080150YA**



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



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



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



## ALUMINIUM ADAPTERS FIXING ACCESSORIES



= PZ2  
 ST = 100 pcs.

**42906010YA**



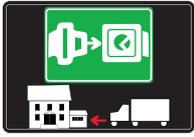
= PZ2  
 ST = on request

**60203390YA**



# SYMBOLS AND FINISHES LEGEND

## SYMBOLS



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME.



= ANTI-TURNOVER LOCKING SYSTEM



= NORMS / PATENTS



= PHILLIPS / POZIDRIV



= WITH BUFFER



= PART NO.



= BLADE SLOT



= WITH MAGNET



= PCS. PER PACKAGE



= COMBI SLOT



= HEXAGONAL SOCKET



= NEWTON



= CAPACITY LOADING



= HEXALOBULAR SOCKET



= FRICTION



= WOOD / GLASS THICKNESS



= COUNTERSUNK HEAD



= AUTOMATIC



= HOLE DIAMETER



= PAN HEAD



= DROP DOWN



= DIAMETER



= FLANGE HEAD



= LENGTH



= FLAT 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



= SELF ADHESIVE



= WITH FLANGE

NOTE: Printing errors and omissions may exist despite our best efforts to ensure accuracy. We reserve the right to alter specifications without notice.

## MATERIALS

<b>ZA</b> = Zinc Alloy	<b>ST</b> = Steel	<b>HSS</b> = High Speed Steel	<b>BR</b> = Brass	<b>ABS</b> = Acrylonitrile Butadiene Styrene	<b>TPU</b> = Thermoplastic Polyurethane
<b>ZAnk</b> = Nickel-plated Zinc Alloy	<b>STzk</b> = Zinc-plated Steel	<b>AL</b> = Aluminium	<b>WD</b> = Wood	<b>EVA</b> = Ethylene Vinyl Acetate	
<b>EP</b> = <b>ENGINEERING PLASTIC</b>		+ <b>EP</b> = other engineering plastic available on request		<b>SR</b> = <b>SOFT RUBBER</b>	+ <b>SR</b> = other soft rubber available on request

<b>EPn</b> = Natural Engineering Plastic	<b>EPc</b> = Clear Engineering Plastic	<b>SRn</b> = Natural Soft Rubber
<b>EPw</b> = White Engineering Plastic	<b>EPg</b> = Grey Engineering Plastic	<b>SRw</b> = White Soft Rubber
<b>EPb</b> = Black Engineering Plastic	<b>EPa</b> = Anthracite Engineering Plastic	<b>SRb</b> = Black Soft Rubber



## FINISHES



+ OTHER FINISHES AVAILABLE ON REQUEST

PART NO.	FINISHES	PART NO.	FINISHES	PART NO.	FINISHES
00	Insignificant finish	IF	Grey 7	XE	Inox
AA	Natural	IJ	Light Grey	YA	Nickel-plated
AB	White	IL	Grey 20	YC	Matt Nickel-plated
AE	White 9010	IN	Grey met. 26	YD	Satin-finished Nickel-plated
EA	Black	JG	Aluminium 5	YQ	Black Nickel
EC	Matt Black	JL	Aluminium PE 11	Z9	Black Zinc
EE	Anthracite	JM	Aluminium RAL 9006	ZN	Zinc-plated
EW	Grey 9007	KB	Bright Chrome	ZQ	Bright Gold
FU	Gunmetal	KC	Matt Chrome	ZZ	Clear/Transparent
FV	Gunmetal V52	LD	Brown 8019		
GR	Zamak Raw	RO	Red		
HA	Brass-Plated	UT	T-Met 9007		
HH	Tropicalized	UZ	T-Met		
HL	Raw Brass	WA	Bronzed		
HX	Graphite	WI	Burnished		
IA	Grey	XD	Satin-finished Steel		