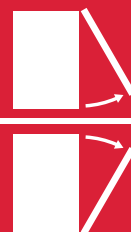


# K12 SYSTEM DROP DOWN - STANDARD HINGE



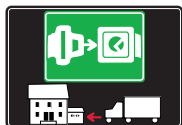
OPENING  
SYSTEMS  
FOR FLAP AND  
DROP DOWN  
DOORS





# SYMBOLS AND FINISHES LEGEND

## SYMBOLS



= SHELF SAFELY LOCKED DURING  
TRANSPORTATION AND AT HOME.



= ANTI-TURNOVER LOCKING  
SYSTEM



= NORMS / PATENTS



= PHILLIPS / POZIDRIV



= NEWTON



= PART.NO



= HEXAGONAL SOCKET



= FRICTION



= PCS. PER PACKAGE



= BLADE SLOT



= AUTOMATIC



= COMBI SLOT



= DROP DOWN



= CAPACITY LOADING



= COUNTERSUNK HEAD



= WOOD / GLASS THICKNESS



= PAN HEAD



= STANDARD HINGE



= HOLE DIAMETER



= FLANGE HEAD



= KIMANA HINGE



= DIAMETER



= FLAT HEAD



= FLAP HINGE



= LENGTH



= TRILOBULAR SCREW



= WITH SPRING



= HEIGHT



= SELF-TAPPING SCREW



= WITHOUT SPRING



= RIGHT VERSION



= EURO THREAD



= REVERSED SPRING



= LEFT VERSION



= METRIC THREAD



= SETTING CODE



= PRE-INSERTED SCREW



= FOR ROUND TUBE



= PCS. PER PAD



= PRE-INSERTED SCREW  
AND SPREADING BUSH



= FOR OVAL TUBE



= CUT ON REQUEST



= WITH BUFFER



= SELF ADHESIVE



= WITH MAGNET



= 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>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

**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

**SRb** = Black Soft Rubber



## FINISHES



= OTHER FINISHES AVAILABLE ON REQUEST

PART. NO	FINISHES	PART. NO	FINISHES	PART. NO	FINISHES
AA	Natural	JB	Bright Aluminium	QB	Walnut
AB	White	JC	Aluminium - Chrome	RO	Red
AC	Opal White	JD	Matt Aluminium	UZ	T -Met
AE	White 9010	JE	Satin-finished Aluminium	WA	Bronzed
AK	Champagne	JF	Aluminium - Brass	WI	Burnished
AL	Ivory	JG	Aluminium 5	XD	Satin-finished Steel
EA	Black	JL	Aluminium PE 11	YA	Nickel-plated
EB	Glossy Black	JM	Aluminium RAL 9006	YB	Bright Nickel-plated
EC	Matt Black	KA	Chrome	YC	Matt Nickel-plated
EE	Anthracite	KB	Bright Chrome	YD	Satin-finished Nickel-plated
FU	Gunmetal	KC	Matt Chrome	ZA	Zinc alloy
GR	Raw	MA	Brown	ZN	Zinc-plated
HA	Brass-Plated	MB	Light Brown 1	ZQ	Bright Gold
HH	Tropicalized	NN	Metallic Beige	ZY	Titanium
HL	Raw Brass	NO	Beige	ZZ	Clear
IA	Grey	OA	Oak	00	Insignificant finish
IB	Metallic Grey	OZ	Ash		
IF	Middle Grey	PA	Light Ash		
IJ	Light Grey	PZ	Beech		
IL	Grey 20	QA	Maple		

## K12 SYSTEM DROP DOWN WITH STANDARD SPRUNG HINGES



Thanks to the reduced size and minimal design, the new K12 System provides a new concept of elegance in all details.

"Zero" N strength, to suit any door dimension and weight.

K12 System, an easy-to-install solution that makes additional screws unnecessary, improving the aesthetic and reducing assembling time.

K12 System operates through click-in door and side supports, sensibly reducing the risk of unsafe or improper installation.

Available in 3 different lengths 164, 244, 355 mm.

All parts (stay excluded) are in zinc alloy nickel plated, steel and engineering plastic.

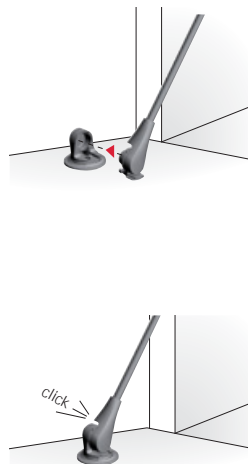
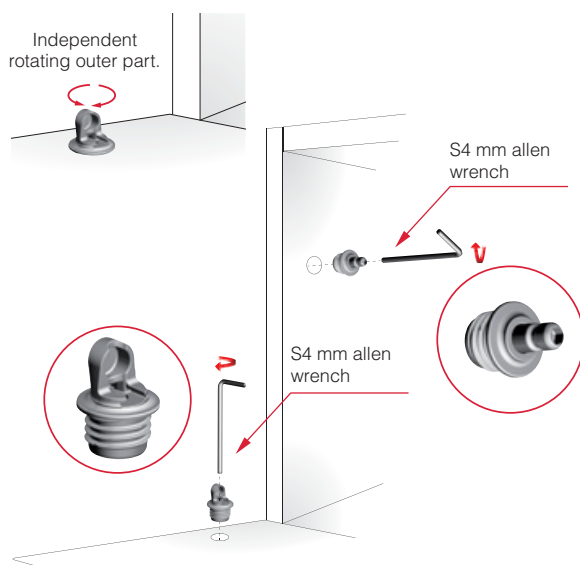
In accordance with Italian Regulation UNI 8607/05 Level 5.

REGISTERED DESIGN  
UNI 8607/05 Level 5

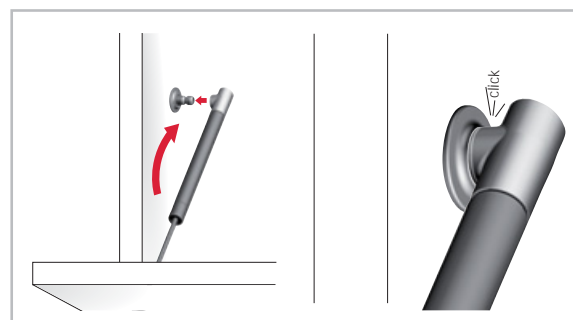
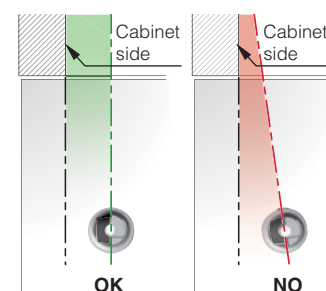


### BRACKET Ø15 INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".



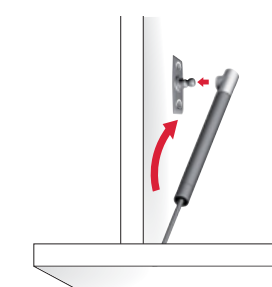
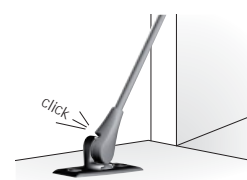
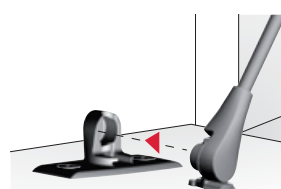
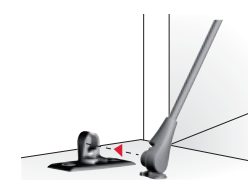
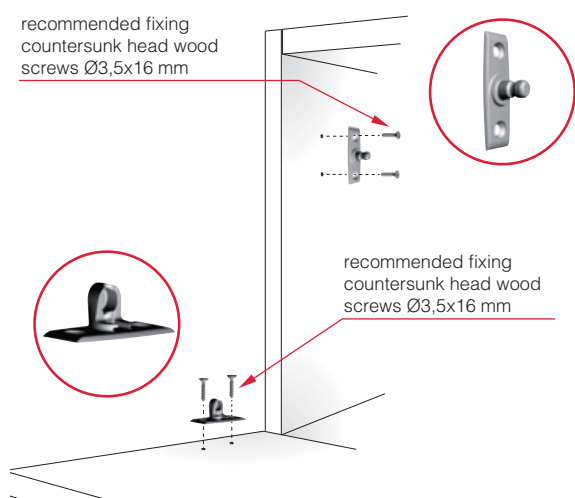
### VERY IMPORTANT



### SCREW FIXING BRACKETS INSTALLATION

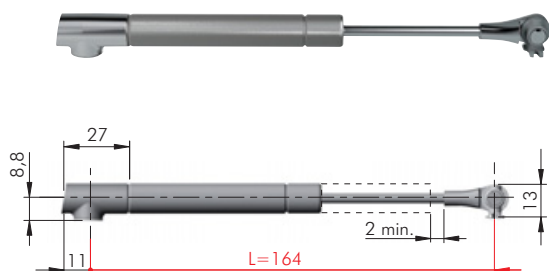
- For details refer to "K12 SYSTEM BRACKETS".

recommended fixing  
countersunk head wood  
screws Ø3,5x16 mm





## K12 SYSTEM 164 mm - DROP DOWN



ZAnk EP ST

= 100 pcs.

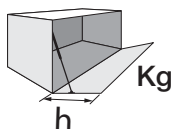


48050200UZ



**N**

0

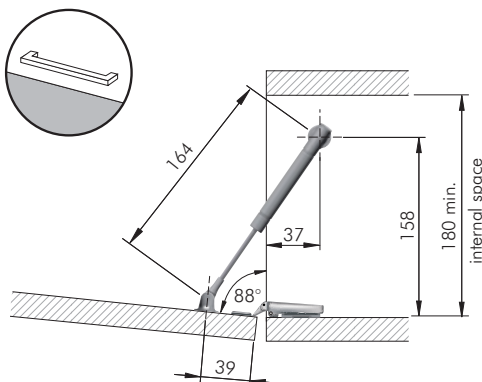


Rev. 01

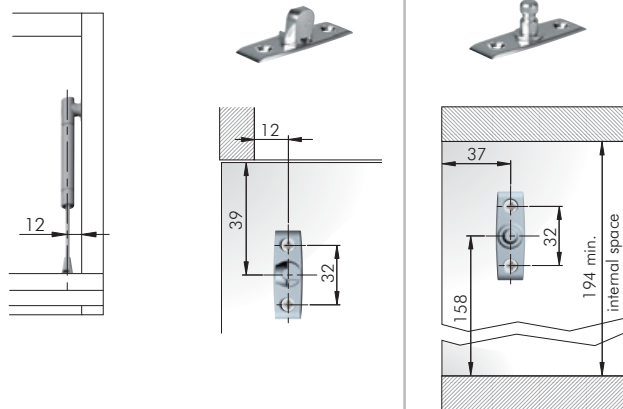
h	Door weight (Kg)										
	1	2	3	4	5	6	7	8	9	10	11
200	1 x K12		2 x K12				3 x K12		4 x K12		
250	1 x K12		2 x K12			3 x K12		4 x K12			
300	1 x K12		2 x K12		3 x K12		4 x K12				

These are experimental results to be checked by the customer. **For a better function and for safety reasons, we suggest to use at least two stays per piece of furniture.** Our technical department is at your disposal to test further cases out of this chart.

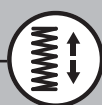
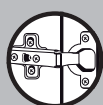
### BRACKETS Ø15:



### SCREW FIXING BRACKETS:



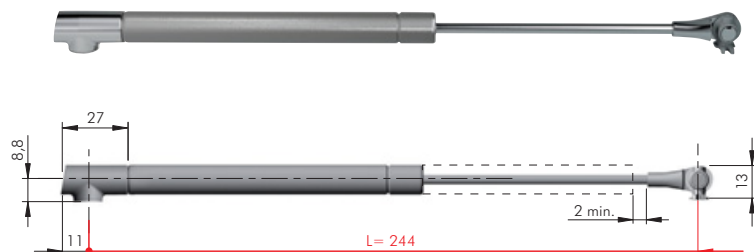
The dimensions of the drilling plan refer to carcasses which use **standard sprung hinges** and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



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



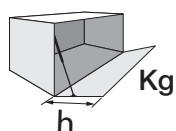
## K12 SYSTEM 244 mm - DROP DOWN



ZAnk EP ST

= 50 pcs.

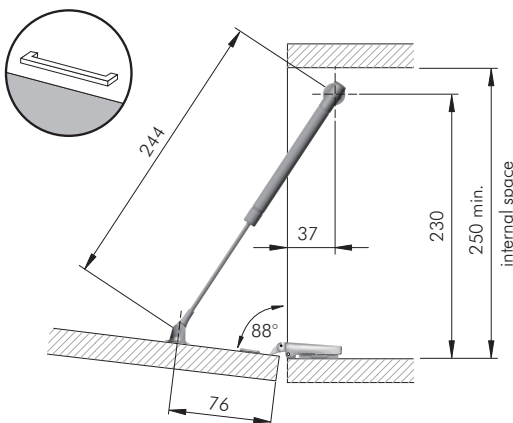
Rev. 01



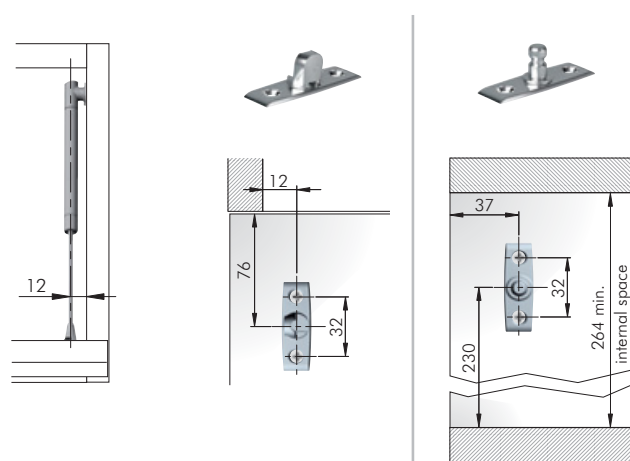
h	Door weight (Kg)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
300	1 x K12			2 x K12			3 x K12			4 x K12								
350	1 x K12			2 x K12			3 x K12			4 x K12								
400	1 x K12			2 x K12			3 x K12			4 x K12								
450	1 x K12			2 x K12			3 x K12			4 x K12								
500	1 x K12			2 x K12			3 x K12			4 x K12								

These are experimental results to be checked by the customer. **For a better function and for safety reasons, we suggest to use at least two stays per piece of furniture.** Our technical department is at your disposal to test further cases out of this chart.

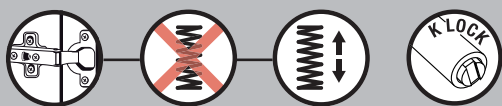
### BRACKETS Ø15:



### SCREW FIXING BRACKETS:



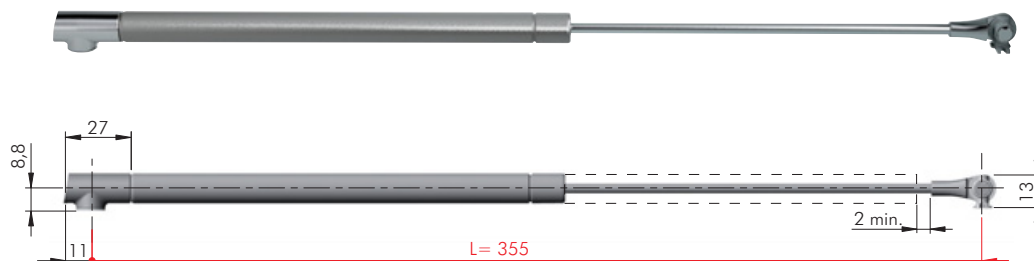
The dimensions of the drilling plan refer to carcasses which use **standard sprung hinges** and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



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



## K12 SYSTEM 355 mm - DROP DOWN



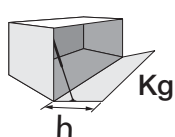
ZAnk EP ST

= 50 pcs.

Rev. 01

48070200UZ

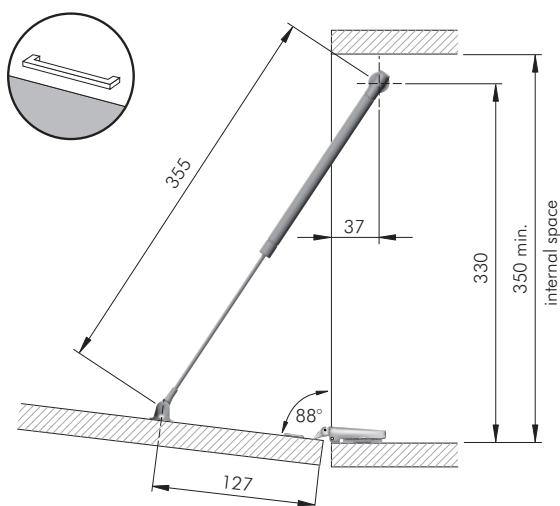
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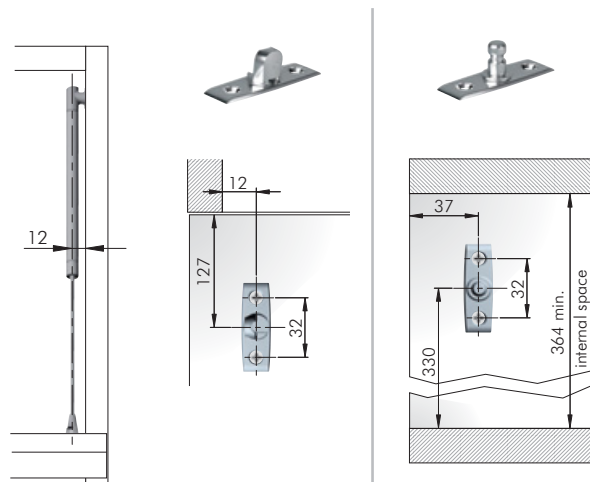
h	Door weight (Kg)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
400				1 x K12				2 x K12					3 x K12					
450				1 x K12				2 x K12					3 x K12				4 x K12	
500				1 x K12				2 x K12					3 x K12				4 x K12	
550			1 x K12			2 x K12				3 x K12							4 x K12	
600	1 x K12				2 x K12				3 x K12					4 x K12				

These are experimental results to be checked by the customer. **For a better function and for safety reasons, we suggest to use at least two stays per piece of furniture.** Our technical department is at your disposal to test further cases out of this chart.

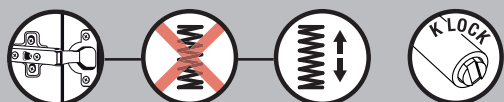
### BRACKETS Ø15:



### SCREW FIXING BRACKETS:



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



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

## K12 SYSTEM DROP DOWN WITH STANDARD UNSPRUNG OR NEGATIVE HINGES AUTOMATIC OPENING DOOR WITH K PUSH TECH THE SHORT WITH MAGNET



### INSTALLATION

- For details refer to "K12 SYSTEM BRACKETS".

K Push Tech the short with magnet

OPTION 1: Visible

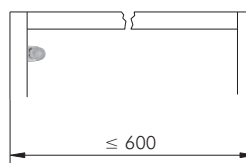
OPTION 2: Invisible

S4 mm allen wrench

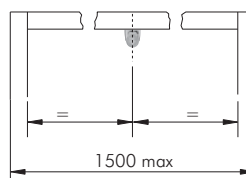
S4 mm allen wrench

### INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET THROUGH ADAPTER HOUSING OPTION 1: VISIBLE

OPTION 1: VISIBLE



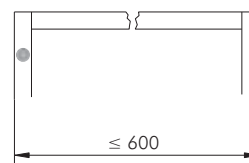
1 piece for door width ≤ 600 mm to be placed on same side as the K12 System.



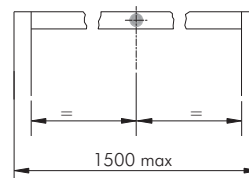
- Our technical department is at your disposal to test wider doors.

### INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET TO BE EMBEDDED INSIDE THE PANEL OPTION 2: INVISIBLE

OPTION 2: INVISIBLE

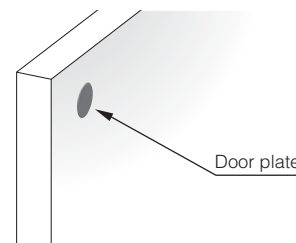
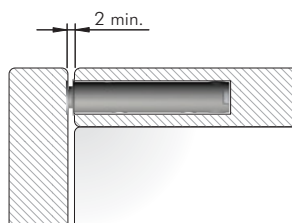
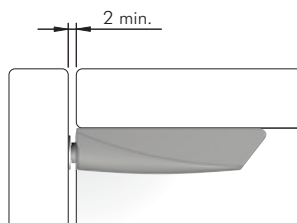


1 piece for door width ≤ 600 mm to be placed on same side as the K12 System.



### K PUSH TECH THE SHORT WITH MAGNET VISIBLE OR INVISIBLE VERSION AND K PUSH TECH PLATE FOR THE DOOR

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



### K PUSH TECH ADJUSTMENTS

7,5 max.

+ 6  
- 0,45



1,4 min.

+ 6  
- 0,45



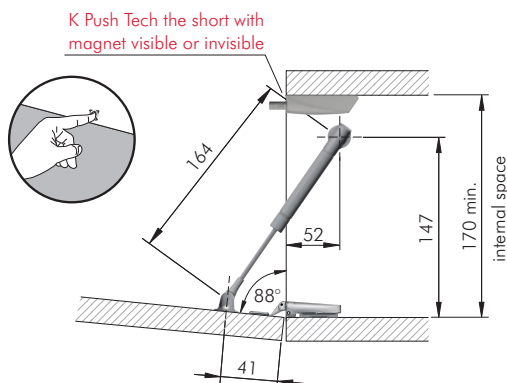
1,4 min.



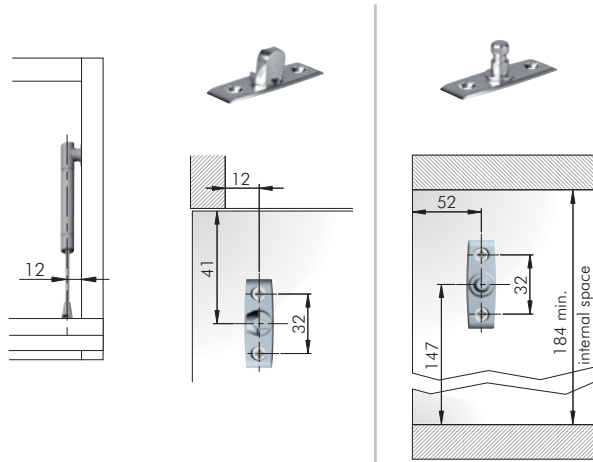


## K12 SYSTEM 164 mm - DROP DOWN

### BRACKETS Ø15:



### SCREW FIXING BRACKETS:



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

For pistons quantity to be specified according to door size, refer to the chart for "K12 SYSTEM 164 mm - DROP DOWN".

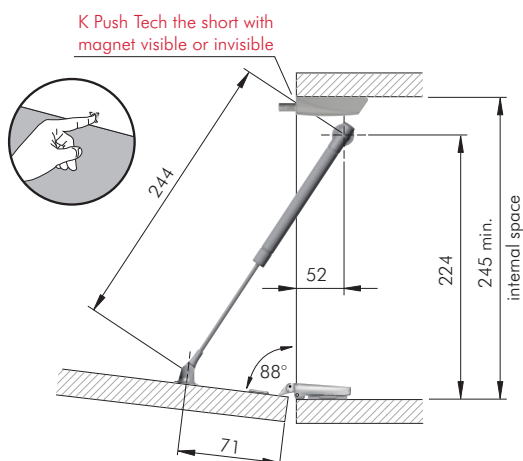


Please note that utilization with **standard sprung hinges** and **K Push Tech with buffer** is also possible. In such case, after the door is initially released by K Push Tech, a manual opening approx. 7cm is required (in order to win the spring resistance). Consequently, the door will automatically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

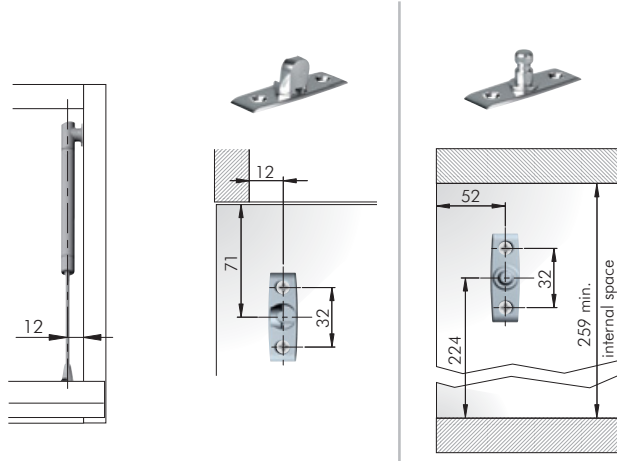


## K12 SYSTEM 244 mm - DROP DOWN

### BRACKETS Ø15:



### SCREW FIXING BRACKETS:



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

For pistons quantity to be specified according to door size, refer to the chart for "K12 SYSTEM 244 mm - DROP DOWN".

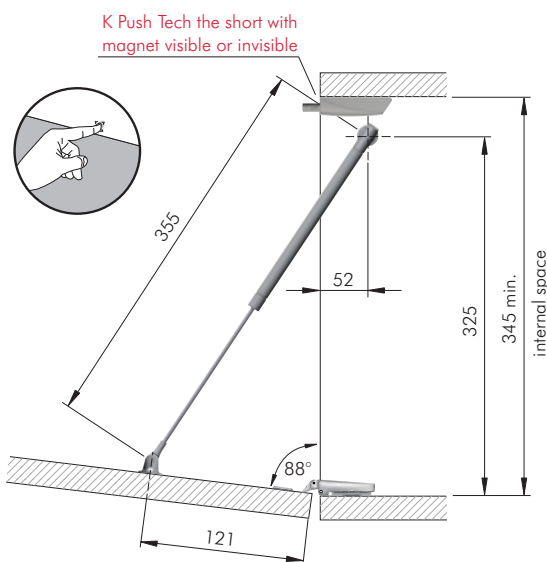


Please note that utilization with **standard sprung hinges** and **K Push Tech with buffer** is also possible. In such case, after the door is initially released by K Push Tech, a manual opening approx. 7cm is required (in order to win the spring resistance). Consequently, the door will automatically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

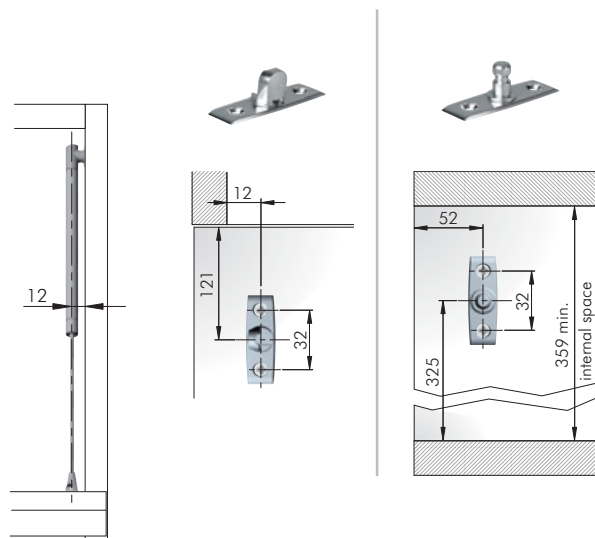


## K12 SYSTEM 355 mm - DROP DOWN

### BRACKETS Ø15:



### SCREW FIXING BRACKETS:

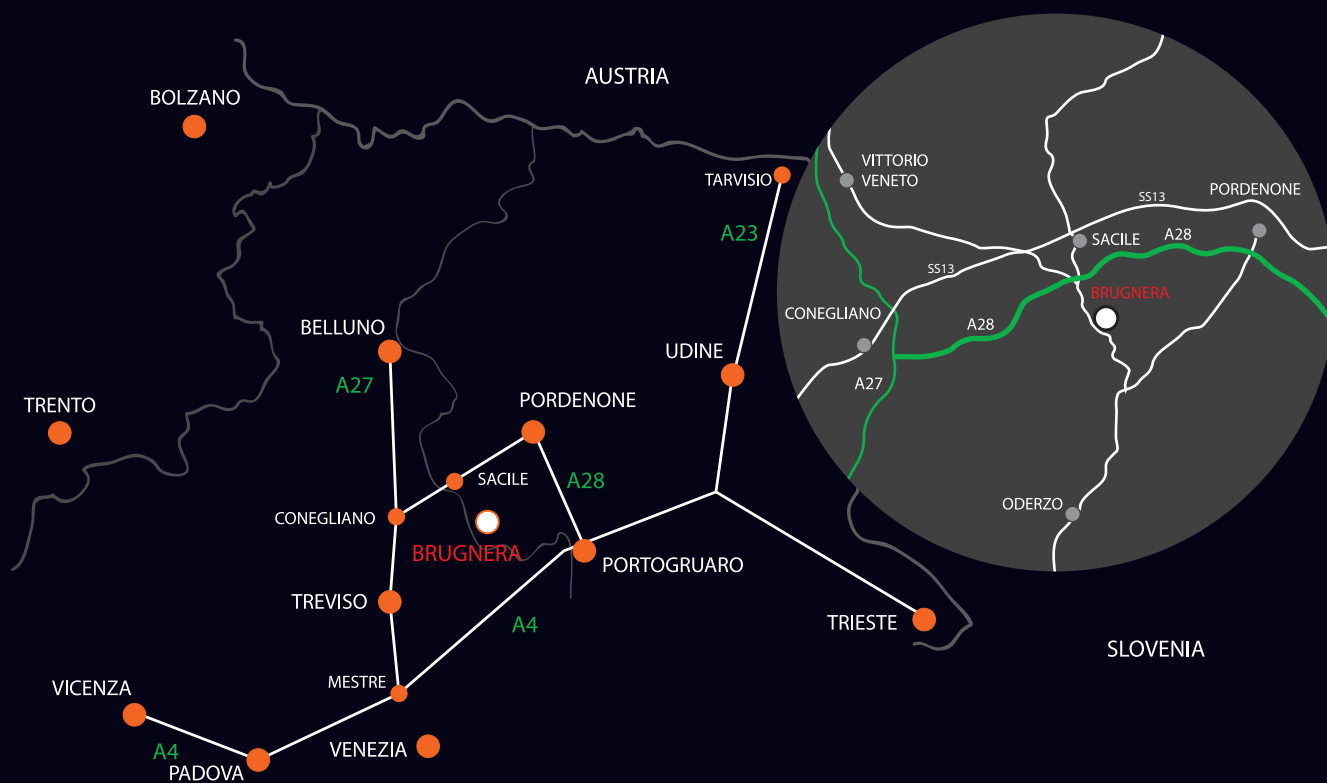


The dimensions of the drilling plan refer to carcasses which use **standard unsprung or negative hinges** and mounting plates 0 mm.  
Please note that the opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

For pistons quantity to be specified according to door size, refer to the chart for "K12 SYSTEM 355 mm - DROP DOWN".



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".



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