

 **MENGUAL**[®]

Kraby
lid stay system

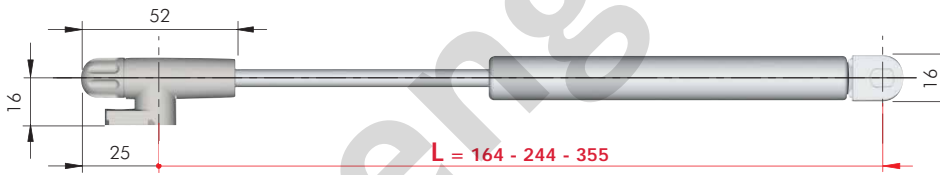
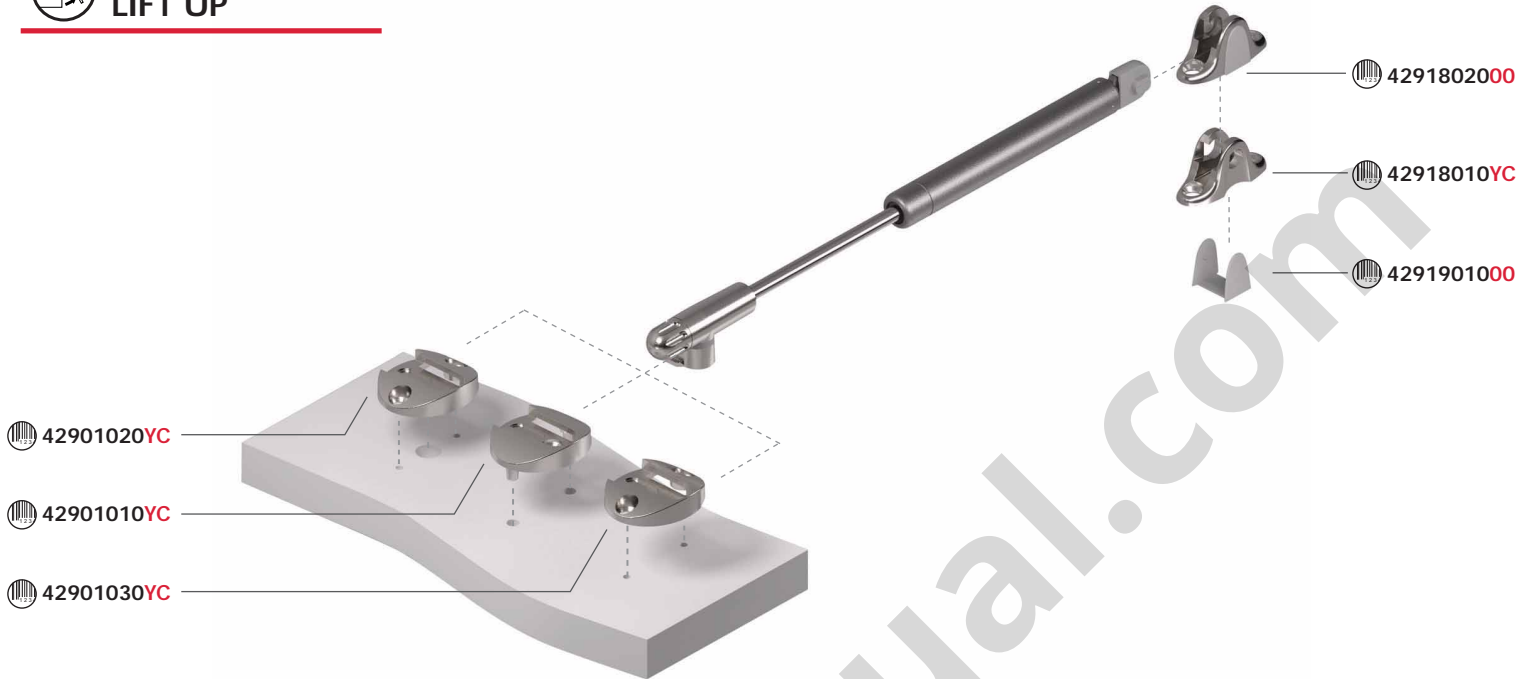
OPENING
SYSTEMS
FOR LIFT
UP AND
DROP
DOWN
DOORS

 **ITALIANA**[®]
f e r r a m e n t a



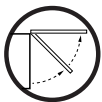


LIFT UP



ZAnk EP ST

= 100 pcs.



KRABY FRICTION VERSION

Further newton strengths available on request.

L			N
164	42001010UZ		45
	42002010UZ		60

L			N
244	42011010UZ		45
	42012010UZ		60
	42013010UZ		90
	42014010UZ		120

L			N
355	42030010UZ		45
	42031010UZ		60
	42032010UZ		90
	42033010UZ		120



KRABY AUTOMATIC VERSION

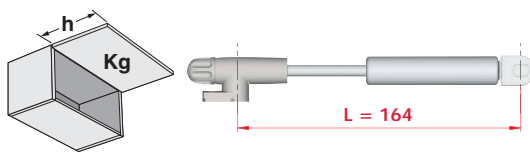
Further newton strengths available on request.

L			N
164	42101010UZ		50
	42102010UZ		80
	42103010UZ		120

L			N
244	42110010UZ		50
	42111010UZ		80
	42112010UZ		100
	42113010UZ		120
	42114010UZ		140

L			N
355	42130010UZ		50
	42131010UZ		80
	42132010UZ		100
	42133010UZ		120

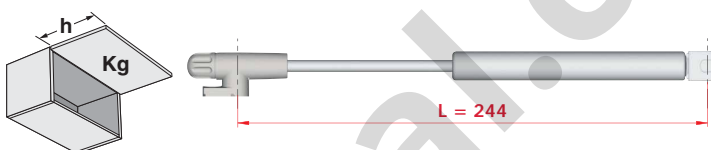
Number of stays chart - L 164 mm



Rev. 02

h	Kraby version	Door weight (Kg)										Kraby version
		1	2	3	4	5	6	7	8	9	10	
230 - 274	Automatic	1x80N	2x80N	2x120N	3x120N			4x120N			Automatic	
	Friction	1x45N	2x45N			2x60N			3x60N			Friction
275 - 325	Automatic	1x80N	2x80N	2x120N	3x120N			4x120N			Automatic	
	Friction	1x60N	2x45N		2x60N		3x60N		4x60N			Friction

Number of stays chart - L 244 mm



Rev. 02

h	Kraby version	Door weight (Kg)													Kraby version
		1	2	3	4	5	6	7	8	9	10	11	12	13	
300 - 324	Automatic	1x80N	2x50N		2x80N		2x100N		2x120N		2x140N	2x160N*		Automatic	
	Friction	1x45N	1x60N	2x45N			2x60N			2x90N				Friction	
325 - 374	Automatic	1x80N	2x50N	2x80N	2x100N	2x120N	2x140N	2x160N*			2x180N*		Automatic		
	Friction	1x45N	1x60N	2x45N		2x60N		2x90N			2x120N			Friction	
375 - 424	Automatic	1x80N	2x50N	2x80N		2x100N	2x120N	2x140N	2x160N*		2x180N*	2x240N*		Automatic	
	Friction	1x45N	1x60N	2x45N		2x60N		2x90N		2x120N				Friction	
425 - 474	Automatic	2x50N		2x80N		2x100N	2x120N	2x140N	2x160N*		2x180N*		3x160N*	Automatic	
	Friction	1x60N		2x45N		2x60N		2x90N		2x120N		3x90N			Friction
475 - 524	Automatic	2x80N			2x100N	2x120N	2x140N	2x160N*		2x180N*		3x160N*			Automatic
	Friction	2x45N			2x60N		2x90N		2x120N		3x120N			Friction	

* Strengths available on request.

Number of stays chart - L 355 mm



Rev. 02

h	Kraby version	Door weight (Kg)													Kraby version
		1	2	3	4	5	6	7	8	9	10	11	12	13	
400 - 424	Automatic	1x80N			2x50N		2x80N			2x100N		2x120N	2x160N		Automatic
	Friction	2x45N						2x60N						Friction	
425 - 474	Automatic	1x80N	2x50N	2x80N			2x100N		2x120N		2x160N			Automatic	
	Friction	2x45N						2x60N			2x90N			Friction	
475 - 524	Automatic	1x80N	2x50N	2x80N		2x100N	2x100N	2x160N			2x180N	2x200N		Automatic	
	Friction	2x45N						2x60N			2x90N			Friction	
525 - 574	Automatic	1x80N	2x50N	2x80N		2x100N	2x100N	2x160N			2x180N	2x200N		Automatic	
	Friction	2x45N						2x60N			2x90N			Friction	
575 - 624	Automatic	2x50N		2x80N	2x100N	2x120N	2x160N			2x180N	2x200N			Automatic	
	Friction	2x45N						2x60N			2x90N			Friction	
625 - 700	Automatic	2x50N		2x80N	2x100N	2x120N	2x160N			2x180N	2x200N			Automatic	
	Friction	2x45N			2x60N			2x90N		2x120N			Friction		

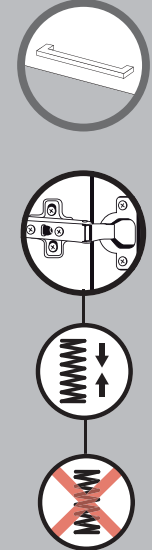
These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this charts.



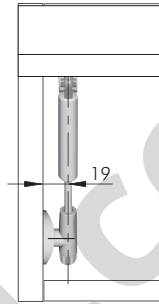
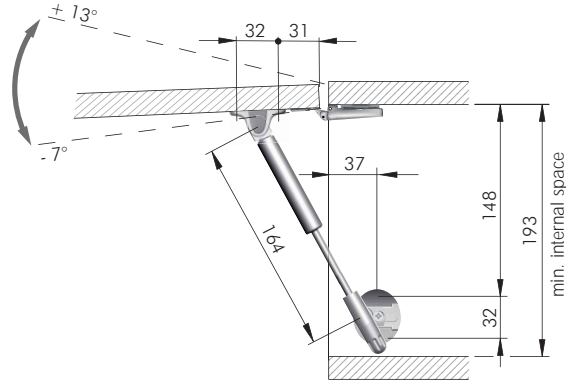
KRABY CONFIGURATOR:



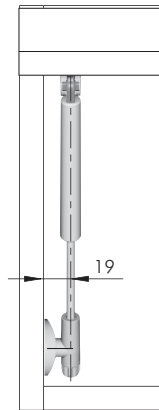
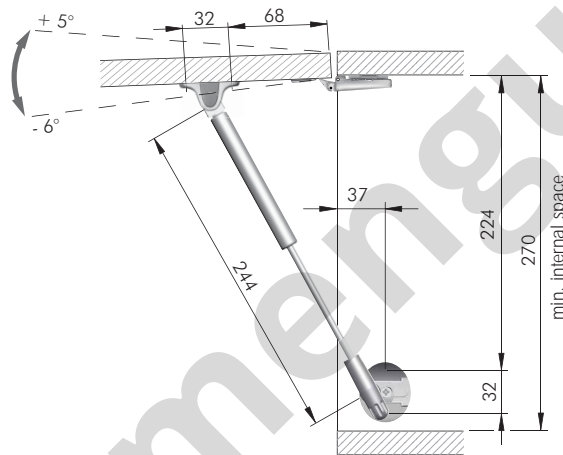
LIFT UP DRILLING PLANS WITH STANDARD HINGES OPENING WITH HANDLE



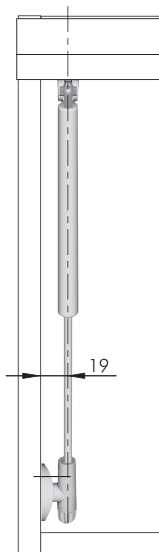
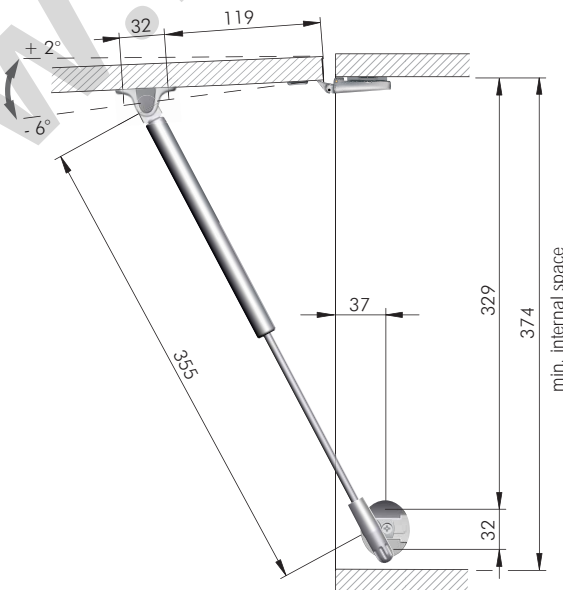
L 164 mm



L 244 mm



L 355 mm



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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



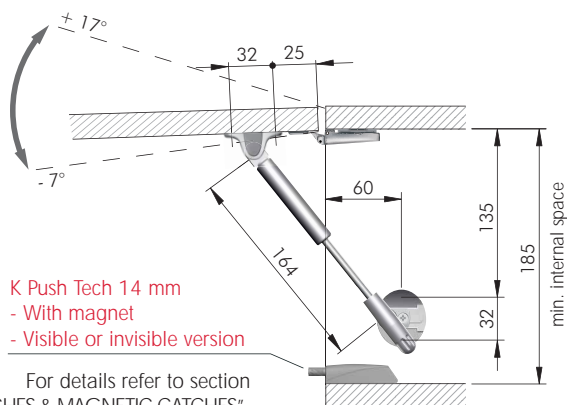
Please note that in case of use of **unsprung hinges**, magnet K Lock is required. For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



LIFT UP DRILLING PLANS WITH STANDARD HINGES PUSH TO OPEN



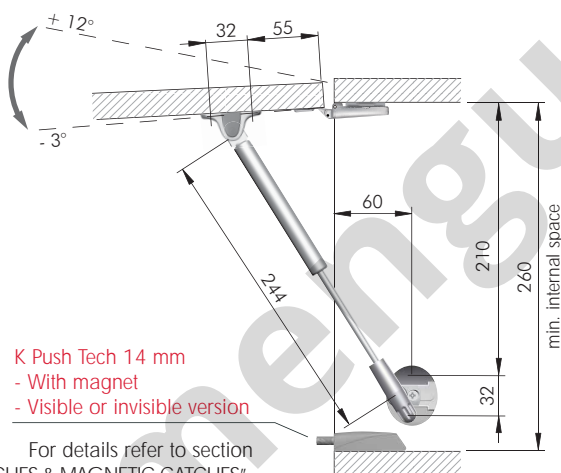
L 164 mm



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

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

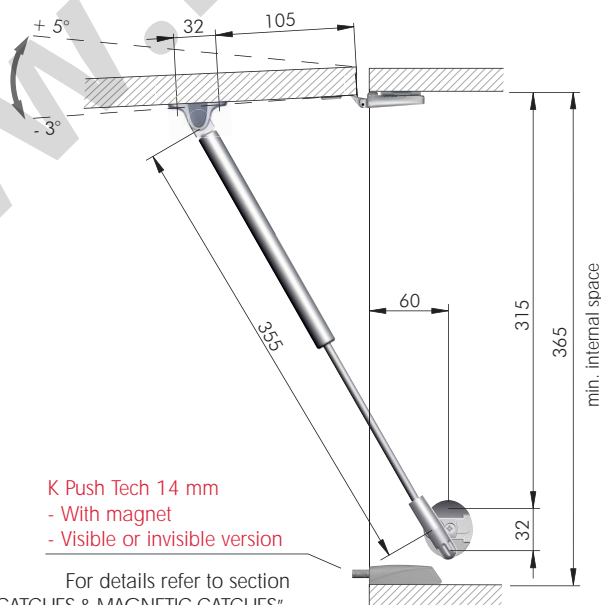
L 244 mm



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

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

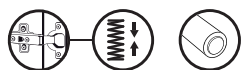
L 355 mm



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

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

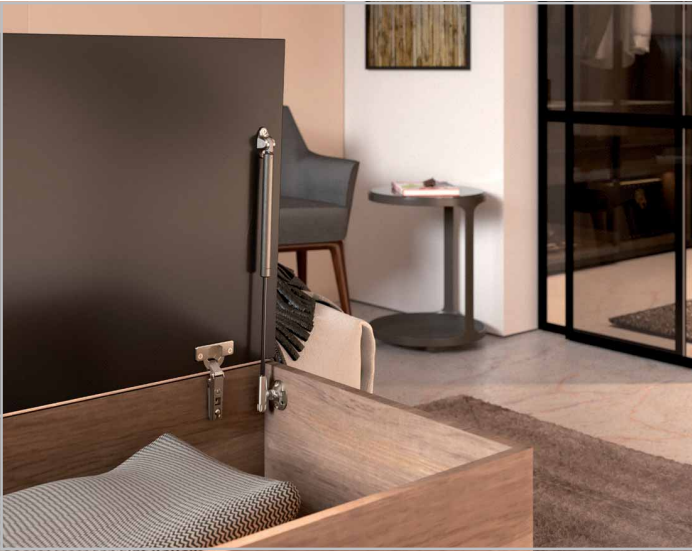
The dimensions of the above drilling plans refer to carcasses which use **standard unsprung hinges** and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



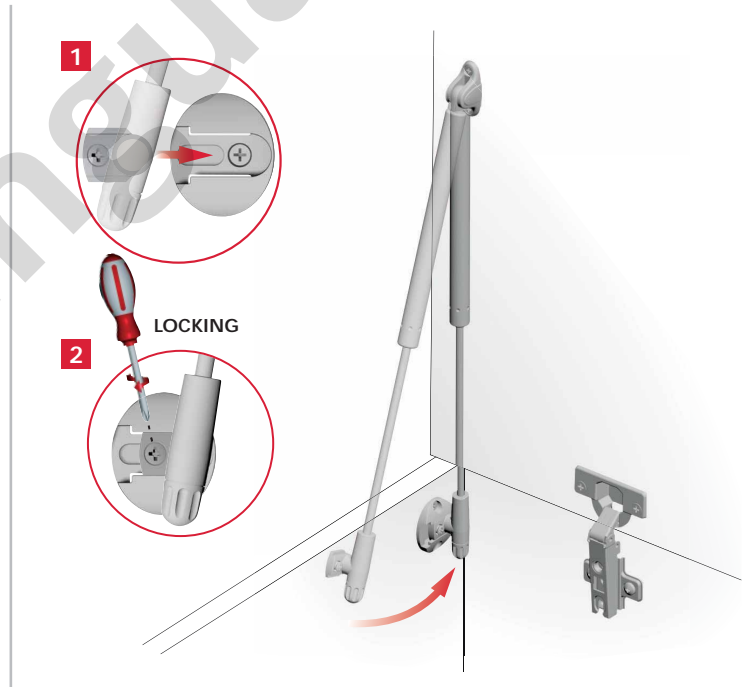
Please note that utilization with **standard sprung hinges** and **K Push Tech with buffer** is also possible. In such case, after the door is initially released by K Push Tech, a manual opening approx. 7cm is required (in order to win the spring resistance). Consequently, the door will automatically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



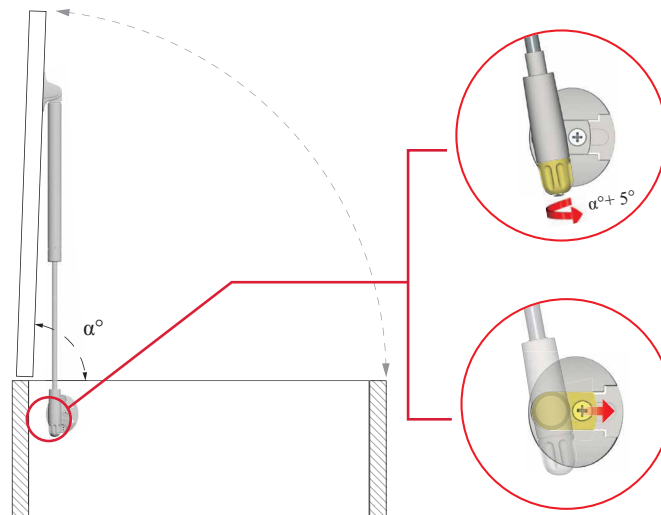
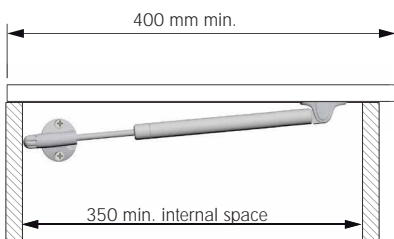
KRABY FOR STORAGE CHEST OPENING



INSTALLATION



Using standard spring hinges with integrated dumper further enhances the soft closing effect.

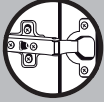


INCREASE OPENING ANGLE

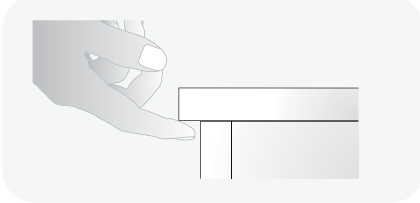


SOFT CLOSE ADJUSTMENT

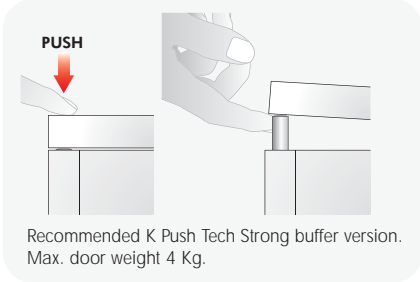
DRILLING PLAN WITH STANDARD HINGES



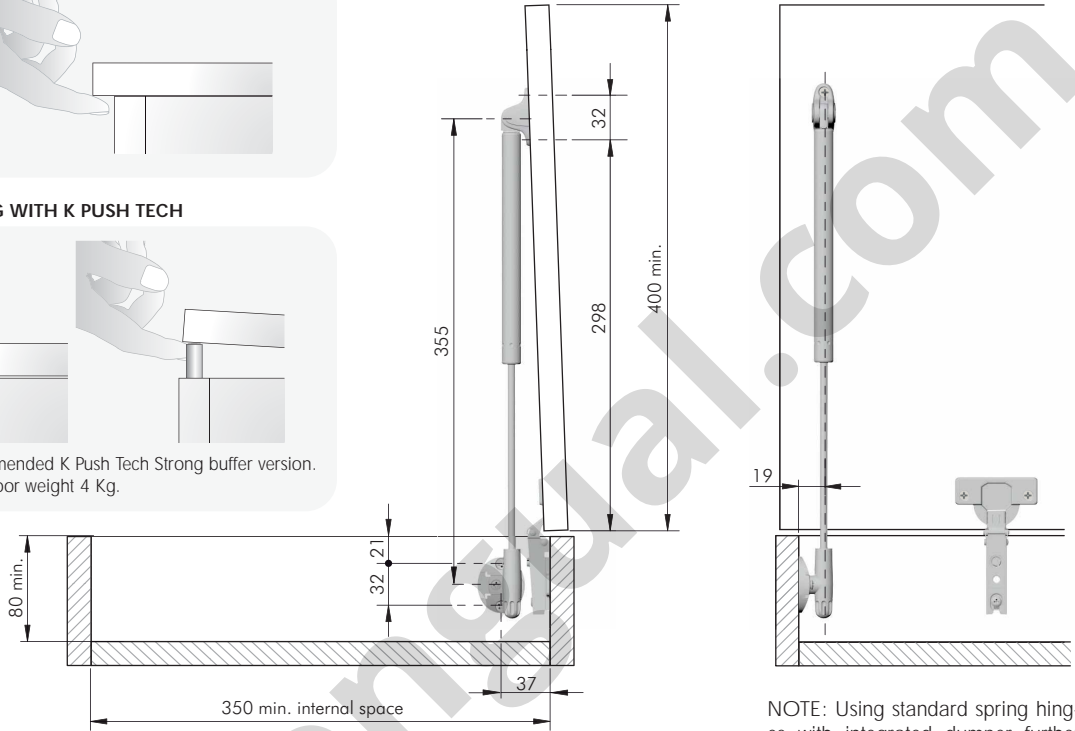
HAND OPENING



OPENING WITH K PUSH TECH



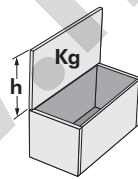
Recommended K Push Tech Strong buffer version.
Max. door weight 4 Kg.



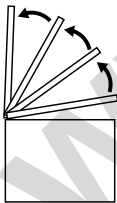
NOTE: Using standard spring hinges with integrated dumper further enhances the soft closing effect.

This drilling plan is intended for reference only. Each application may need minor variations in the placement of the holes; these variations should be evaluated and tested by the customer on a sample cabinet.

Number of stays chart



Friction opening chart



h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
400 - 474	-	1x45N		2x45N		2x60N			2x90N		-	-	-
475 - 549	-	1x90N	2x45N		2x60N		2x90N		-	-	-	-	-
550 - 600	-	1x90N	2x60N			2x90N		-	-	-	-	-	-

These are experimental results to be checked by the customer.

Automatic opening chart



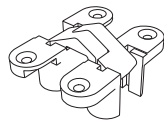
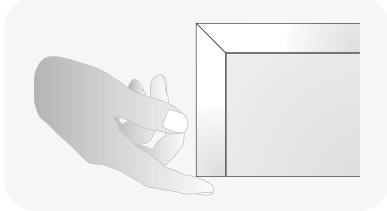
h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
400 - 474	-	1x80N	1x100N	2x80N		2x100N		2x120N		-	-	-	-
475 - 549	-	1x120N		2x80N	2x100N	2x120N		-	-	-	-	-	-
550 - 600	-	-	2x100N		2x120N		-	-	-	-	-	-	-

These are experimental results to be checked by the customer.

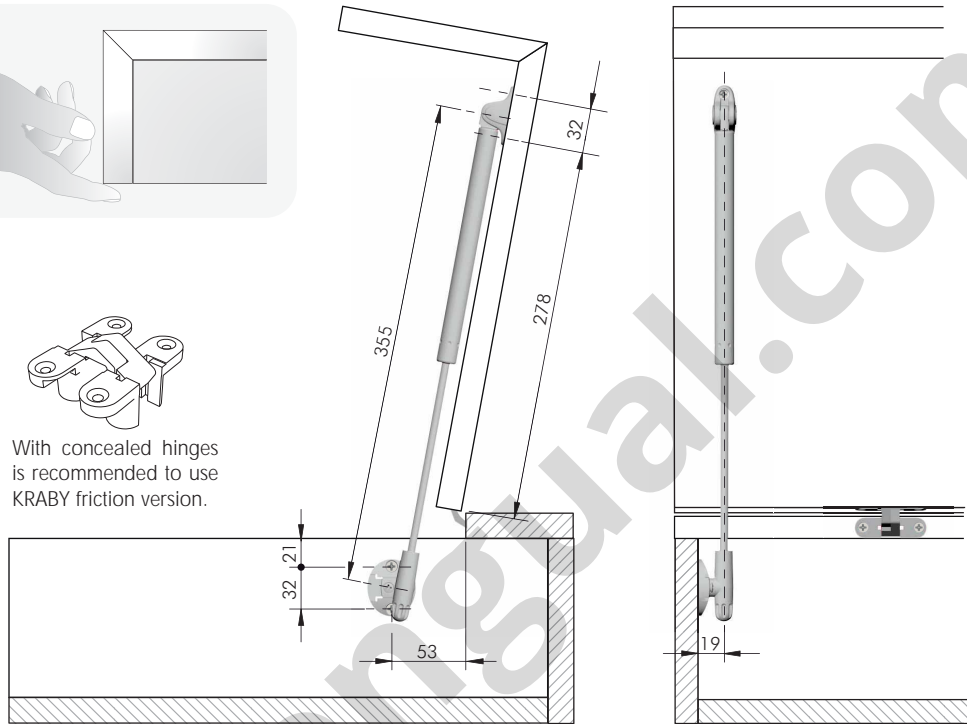


DRILLING PLAN WITH CONCEALED HINGES

HAND OPENING

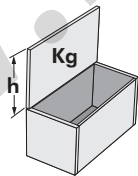


With concealed hinges is recommended to use KRABY friction version.

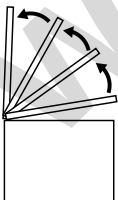


This drilling plan is intended for reference only. Each application may need minor variations in the placement of the holes; these variations should be evaluated and tested by the customer on a sample cabinet.

Number of stays chart









Friction opening chart

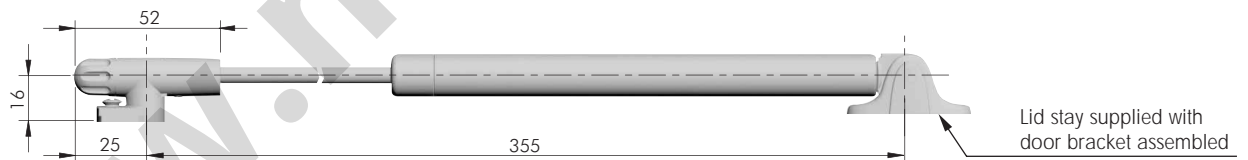


h	Door weight (Kg)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
400 - 474	-	1x45N		2x45N			2x60N		2x90N					-
475 - 549	-	1x60N	2x45N	2x60N		2x90N		-	-	-	-	-	-	
550 - 600	-	2x45N		2x60N		2x90N		-	-	-	-	-	-	

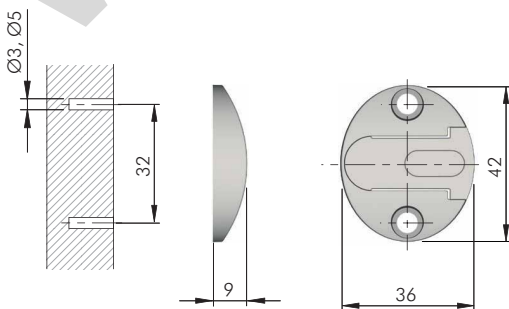
These are experimental results to be checked by the customer.






ZAnk	EP	ST	= 50 pcs.	
 KRABY FRICTION VERSION		 KRABY AUTOMATIC VERSION		
L			N	
	42030030UZ		45	
355	42031030UZ		60	
	42032030UZ		90	
L			N	
	42131030UZ		80	
355	42132030UZ		100	
	42133030UZ		120	



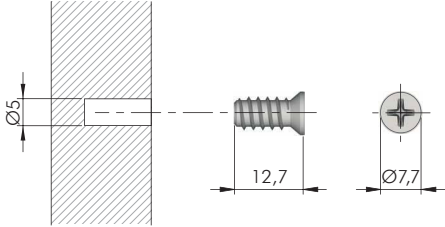
SIDE BRACKET



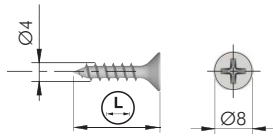
	= Ø 3, Ø 5 mm	= 100 pcs.
ZA		
		
42901030YC		



FIXING ACCESSORIES



	= Ø 5 mm	+
		= PZ2
ST		= 5000 pcs.
60501050YA		



	= Ø 2,5 mm	+
		= PZ2
ST		= 10.000 pcs.
60101570YA		16
60101580YA		18

www.mengual.com

KRABY SYSTEM DROP DOWN

KRABY is an oil stay to open drop down doors. It has been conceived to be installed by using standard automatic drilling processes.

It is available in three different lengths and with a universal "Zero" N strength, to suit any door dimension and weight.

It boasts smooth and elegant movement to gently open the doors downwards. The opening angle adjustment can be carried out manually through the rotary knob, thus allowing to align nearby doors easily.

The adjustment of the piston base plate within the "U" slot of the side bracket can change the door opening.

KRABY grants a quick and easy installation, with no need to tension the strength.

Directly installed on solid or wider aluminium frame doors and wide range of special adapters to suit small aluminium door profiles.

All the parts (stay excluded) are in zinc alloy nickel plated and plastic.

PATENTED
Certificates available on request.



INSTALLATION

recommended fixing countersunk head wood screws Ø3,5x16 mm or Euro thread screws

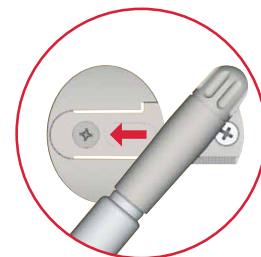
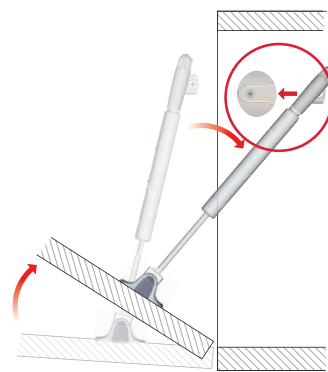
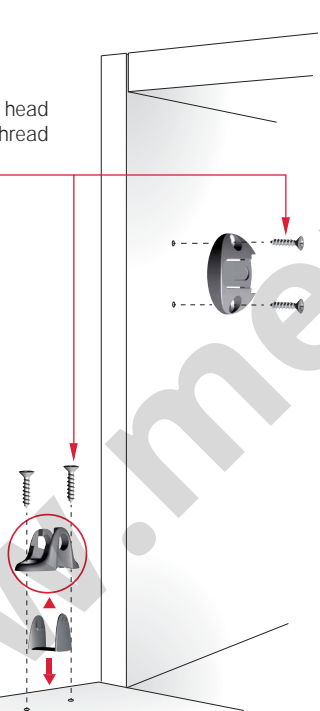
VERY IMPORTANT

The side bracket has to be placed with the slot in horizontal position and the open end facing the wall.

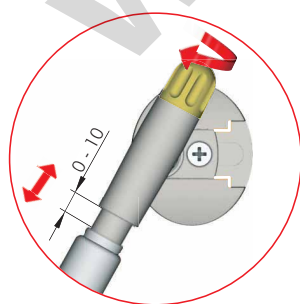


VERY IMPORTANT

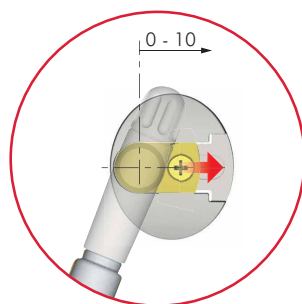
The door bracket has to be placed in vertical position with the slot facing forwards.



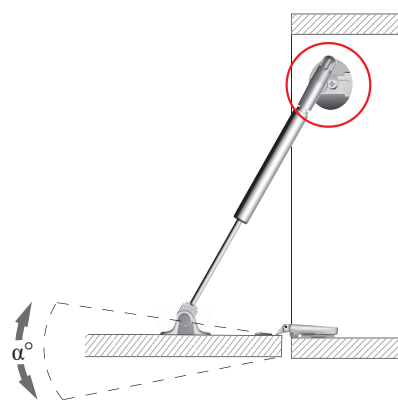
ADJUSTMENTS



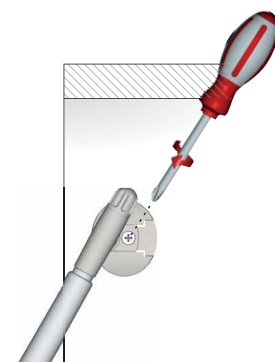
INCREASE OPENING ANGLE
Rotate the rotary knob.



REDUCE OPENING ANGLE
Move forward and backward the piston base plate in the bracket slot.

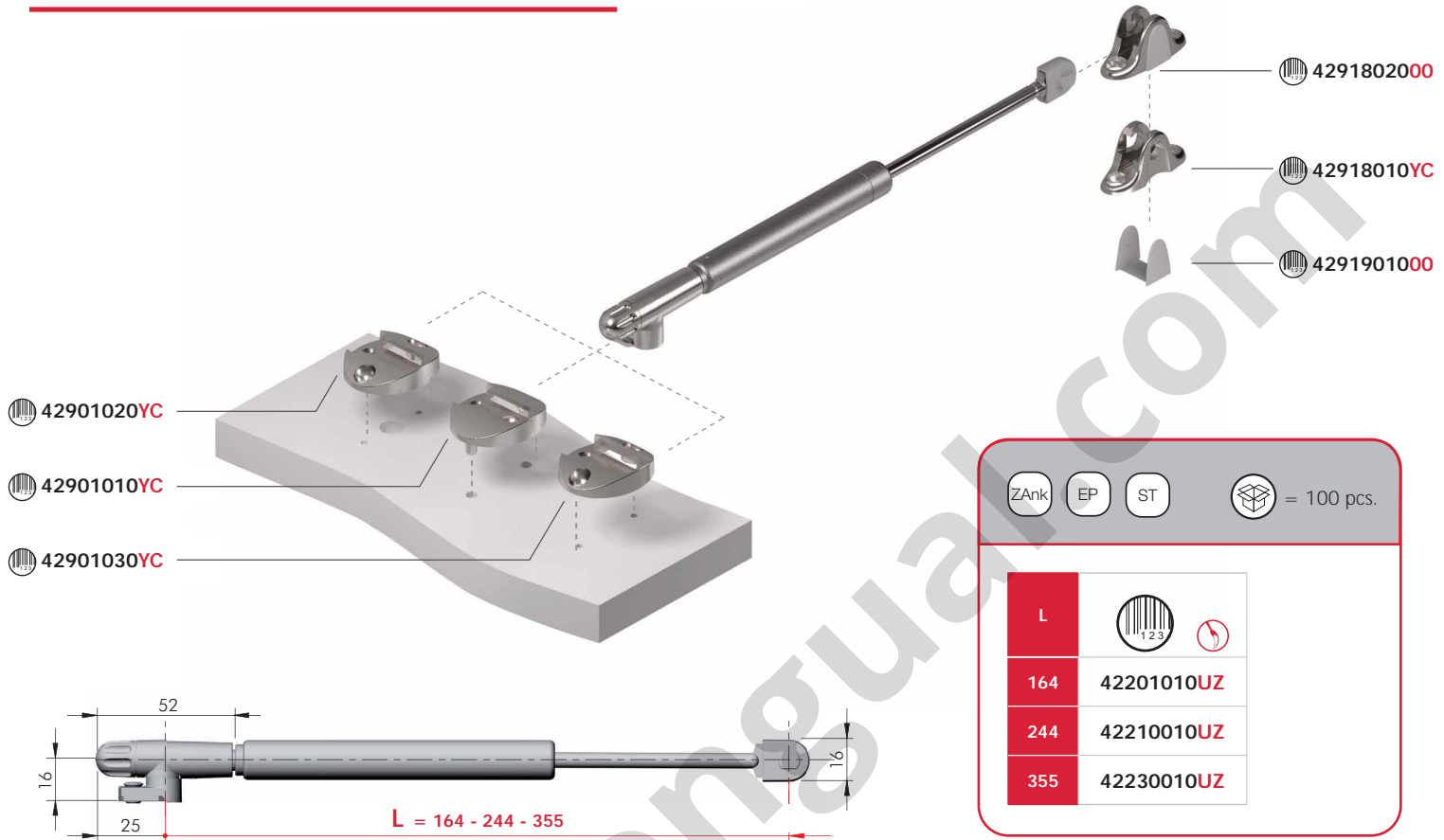


LOCKING

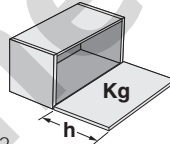




DROP DOWN



Number of stays chart - L 164 mm



Rev. 02

h	Door weight (Kg)					
	1	2	3	4	5	6
200 - 284	2 x Kraby		3 x Kraby		4 x Kraby	

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
280 - 324	2 x Kraby						3 x Kraby				4 x Kraby		
325 - 424	2 x Kraby						3 x Kraby				4 x Kraby		
425 - 500	2 x Kraby						3 x Kraby				4 x Kraby		

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
380 - 500	2 x Kraby										3 x Kraby		
501 - 600	2 x Kraby										3 x Kraby		

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.



DROP DOWN DRILLING PLANS WITH KIMANA HINGE

KRABY CONFIGURATOR:



L 164 mm



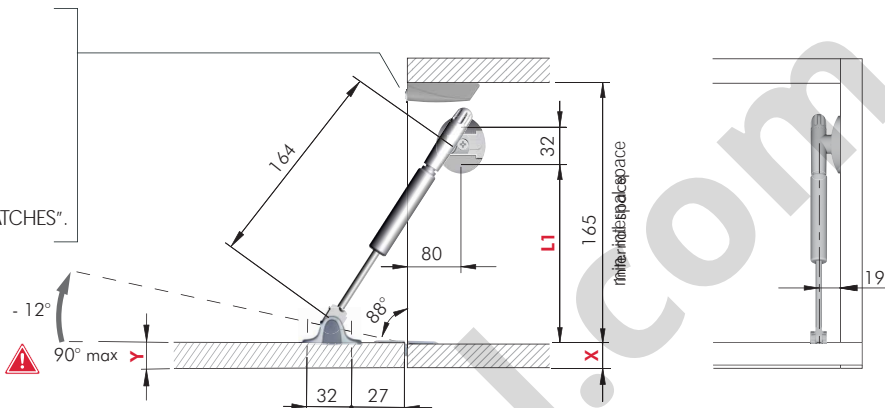
Magnet K Lock
visible or invisible



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

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

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

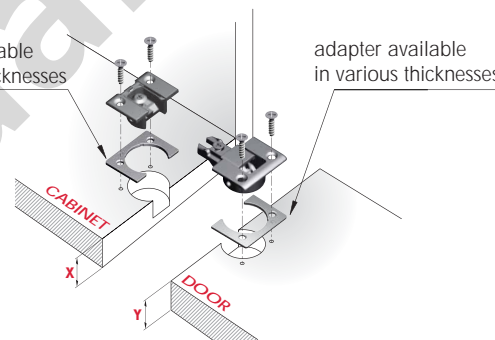


Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	117
16 mm	4 mm	19 mm	-	119
18 mm	2 mm	18 mm	-	117
19 mm	-	16 mm	2 mm	113
19 mm	-	19 mm	-	115
20 mm	-	20 mm	-	115

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

adapter available in various thicknesses

adapter available in various thicknesses



L 244 mm



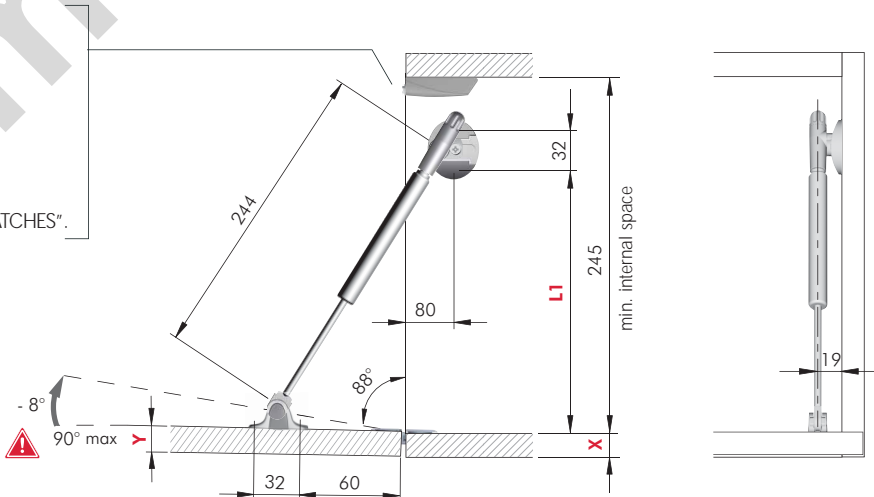
Magnet K Lock
visible or invisible



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

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

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

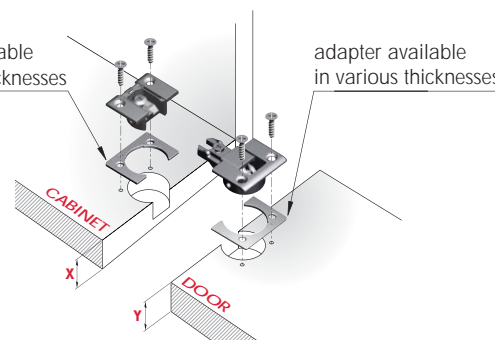


Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	197
16 mm	4 mm	19 mm	-	199
18 mm	2 mm	18 mm	-	197
19 mm	-	16 mm	2 mm	193
19 mm	-	19 mm	-	195
20 mm	-	20 mm	-	195

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

adapter available in various thicknesses

adapter available in various thicknesses



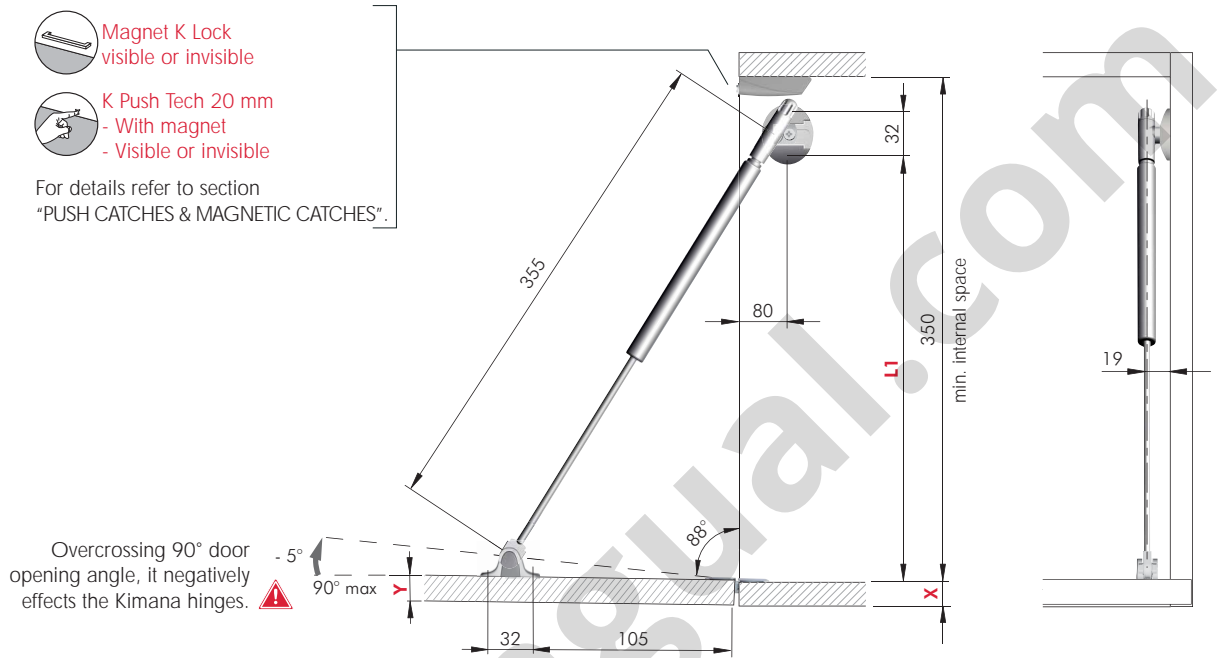



L 355 mm



 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".

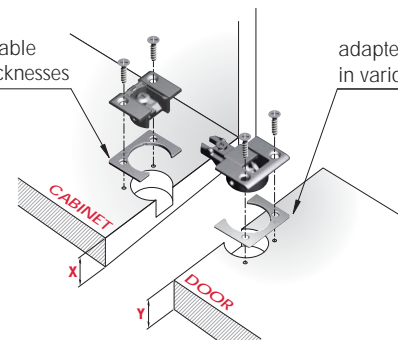


Overcrossing 90° door opening angle, it negatively effects the Kimana hinges. 

Cabinet (X)		Door (Y)		L1
16 mm	4 mm	16 mm	2 mm	302
16 mm	4 mm	19 mm	-	304
18 mm	2 mm	18 mm	-	302
19 mm	-	16 mm	2 mm	298
19 mm	-	19 mm	-	300
20 mm	-	20 mm	-	300

adapter available in various thicknesses

adapter available in various thicknesses

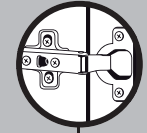
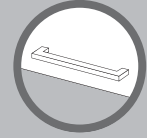


For Kimana and adapter details refer to section "HINGES".

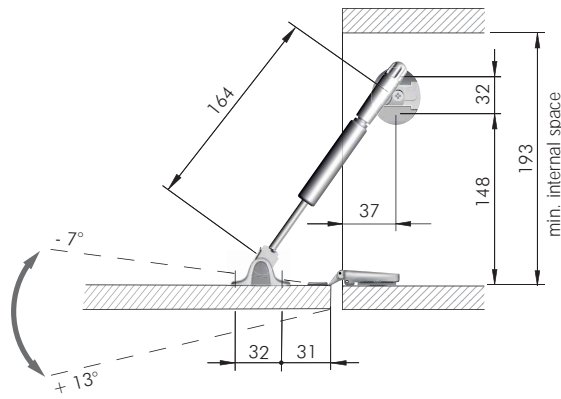
www.italiana.com

DROP DOWN DRILLING PLANS WITH STANDARD HINGES
OPENING WITH HANDLE

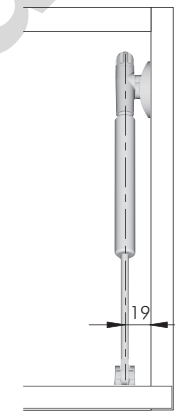
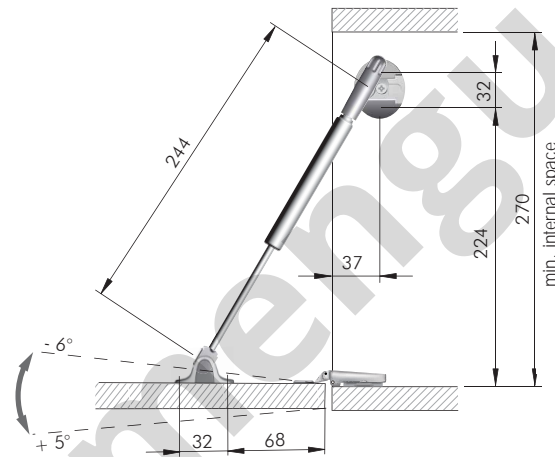
KRABY CONFIGURATOR:



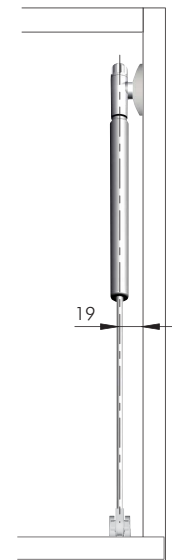
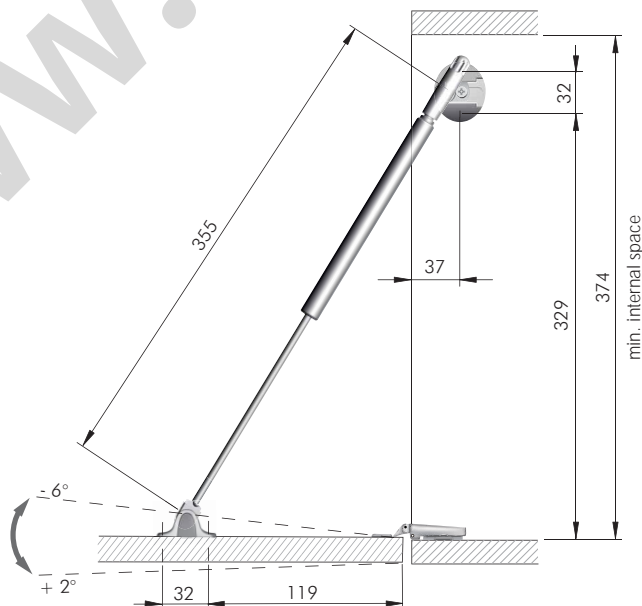
L 164 mm



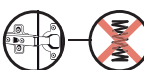
L 244 mm



L 355 mm



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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

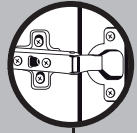


Please note that in case of use of **unsprung hinges**, **magnet K Lock** is required. For details refer to section "PUSH CATCHES & MAGNETIC CATCHES".



DROP DOWN DRILLING PLANS WITH STANDARD HINGES PUSH TO OPEN

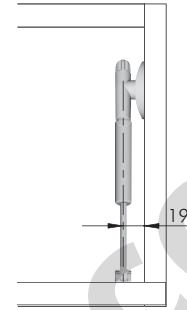
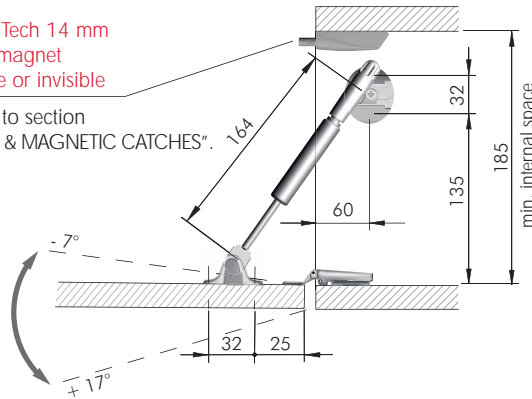
KRABY CONFIGURATOR:



L 164 mm

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

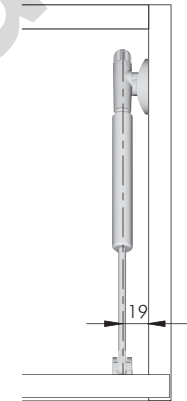
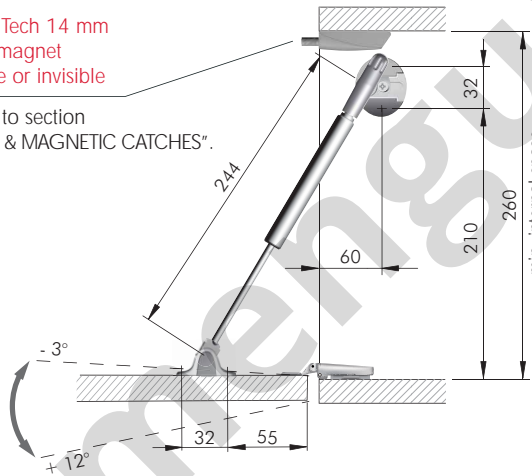
For details refer to section
"PUSH CATCHES & MAGNETIC CATCHES".



L 244 mm

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

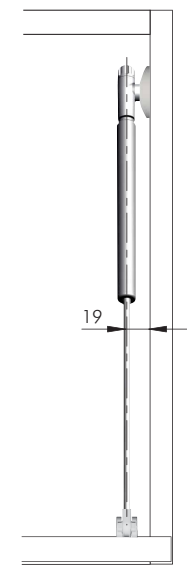
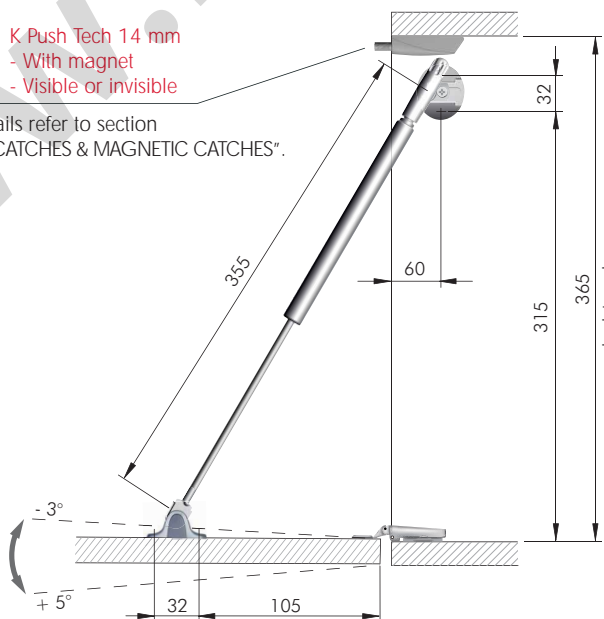
For details refer to section
"PUSH CATCHES & MAGNETIC CATCHES".



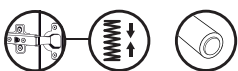
L 355 mm

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

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



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

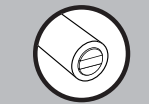
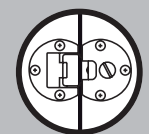
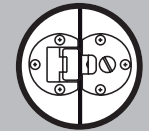
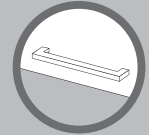


Please note that utilization with **standard sprung hinges** and **K Push Tech with buffer** is also possible. In such case, after the door is initially released by K Push Tech, a manual opening approx. 7cm is required (in order to win the spring resistance). Consequently, the door will automatically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

KRABY CONFIGURATOR:



DROP DOWN DRILLING PLANS WITH FLAP HINGE



L 164 mm



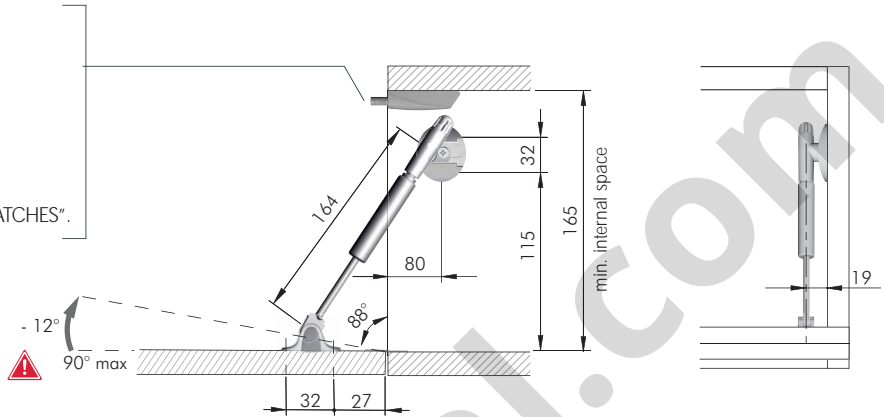
Magnet K Lock
visible or invisible



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

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

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



L 244 mm



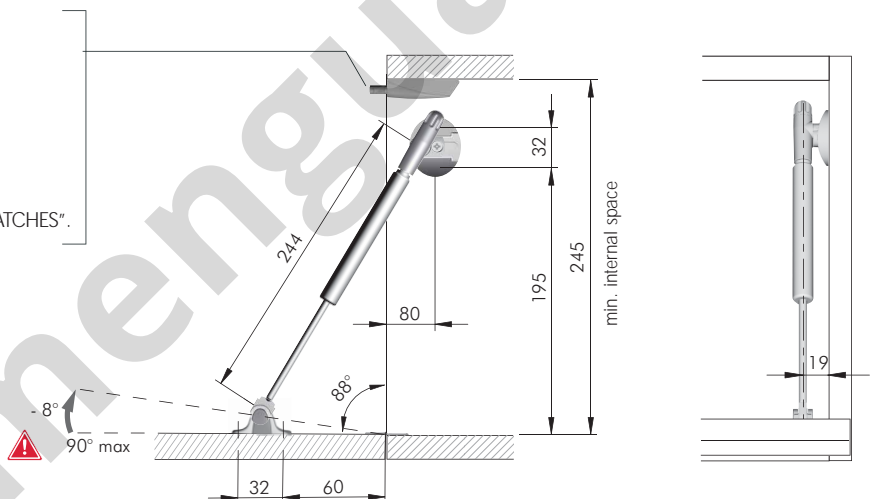
Magnet K Lock
visible or invisible



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

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

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



L 355 mm



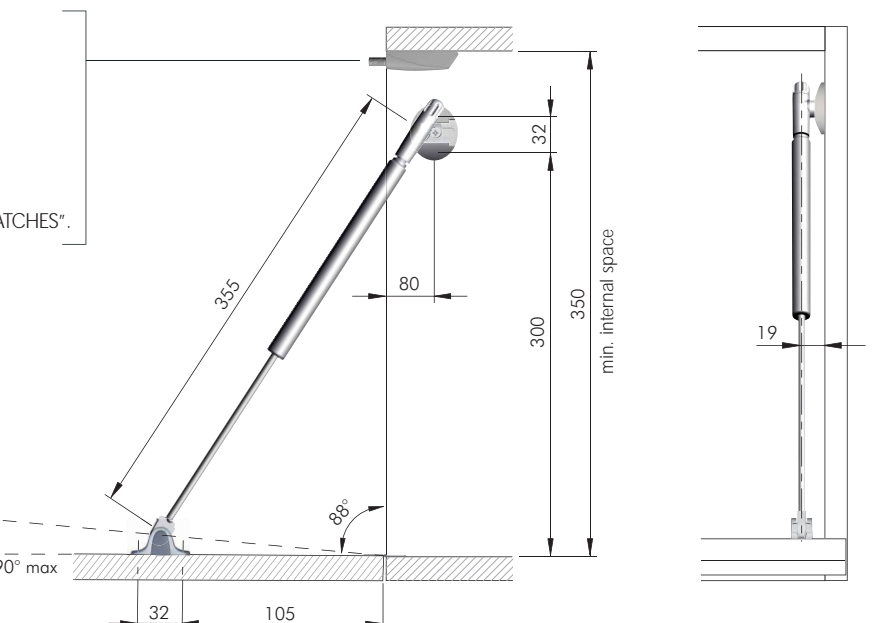
Magnet K Lock
visible or invisible



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

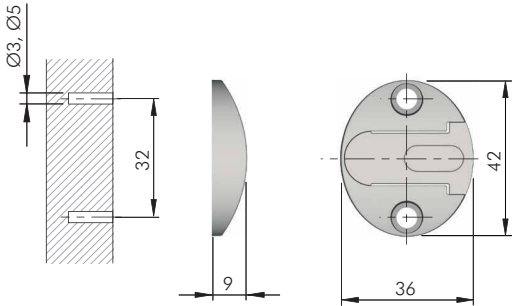
For details refer to section
"PUSH CATCHES & MAGNETIC CATCHES".

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





KRABY BRACKETS



= Ø 3, Ø 5 mm

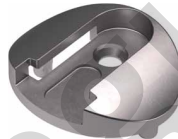
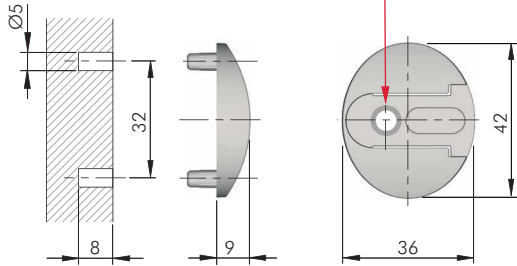
ZA

= 100 pcs.



42901030YC

recommended fixing countersunk
head wood screw Ø 3,5 x 16 mm



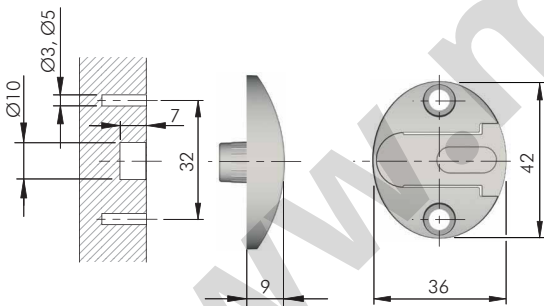
= Ø 5 mm

ZA

= 100 pcs.



42901010YC



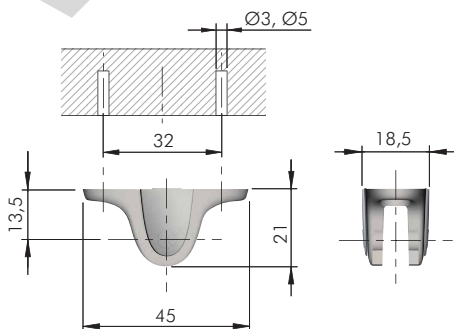
= Ø 3, Ø 5 mm + Ø 10 mm

ZA

= 100 pcs.



42901020YC



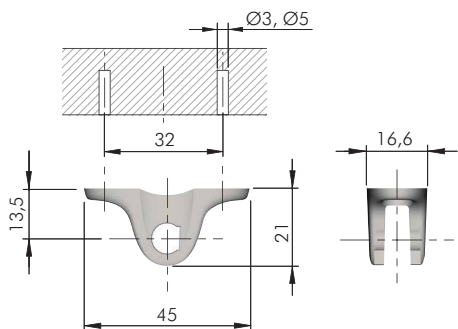
= Ø 3, Ø 5 mm

ZA

= 100 pcs.



4291802000



= Ø 3, Ø 5 mm

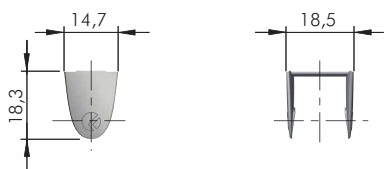
ZA



= 100 pcs.



42918010YC



EPg

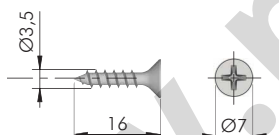


= 100 pcs.



4291901000

KRABY FIXING ACCESSORIES



= Ø 2,5 mm



= PZ2

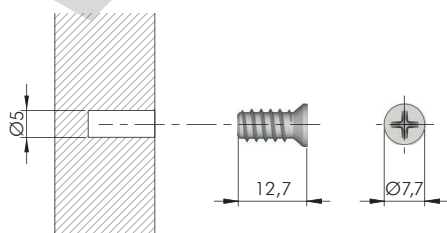
ST



= 10.000 pcs.



60101390YA



= Ø 5 mm



= PZ2

ST



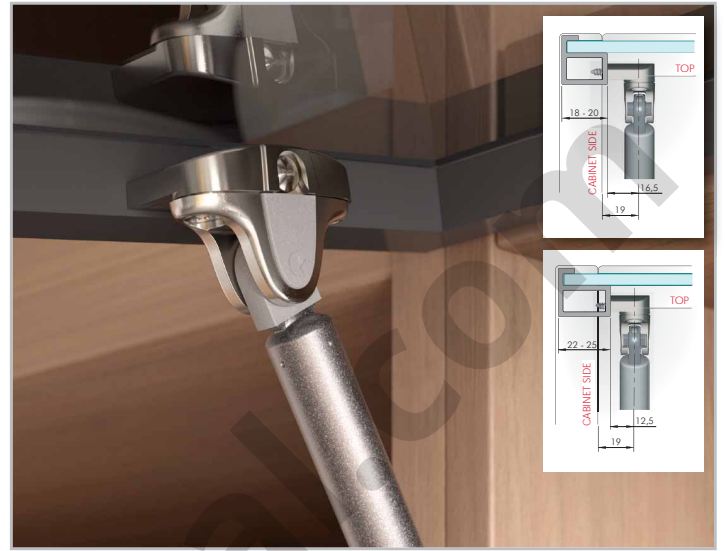
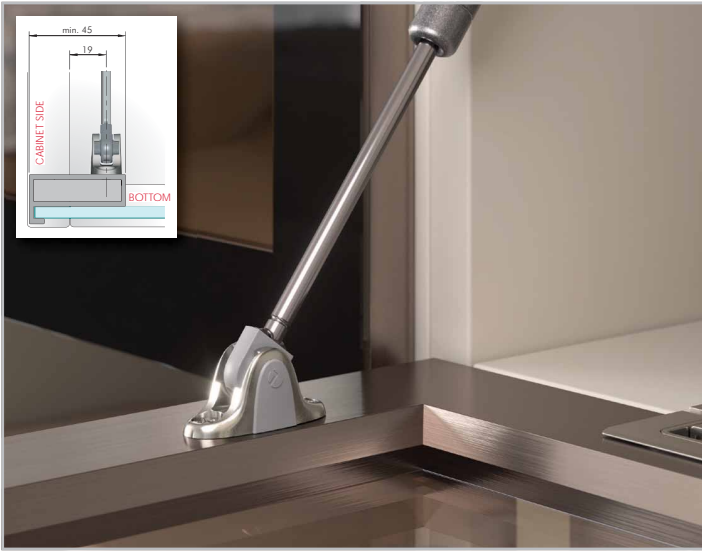
= 5000 pcs.



60501050YA



KRABY ADAPTERS FOR ALUMINIUM FRAME DOOR

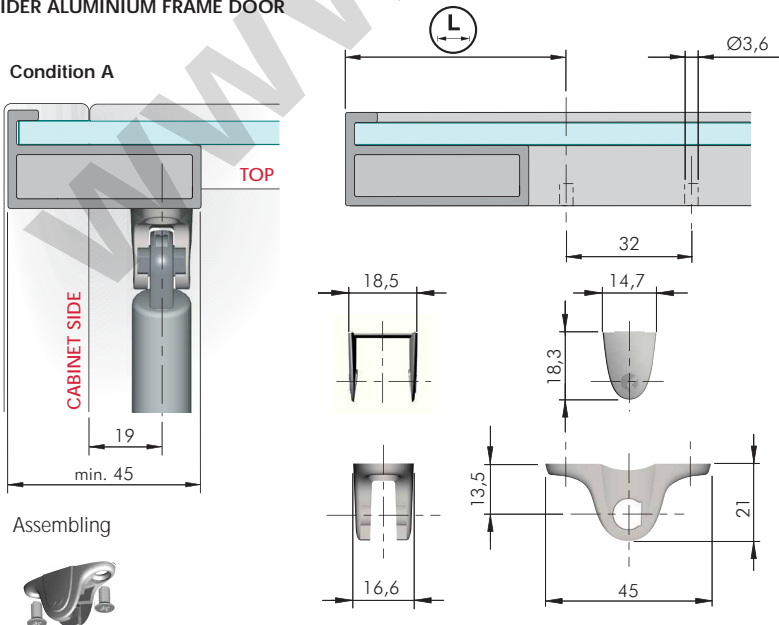


INSTALLATION ON WIDER ALUMINIUM FRAME DOOR

INSTALLATION ON NARROW ALUMINIUM FRAME DOOR



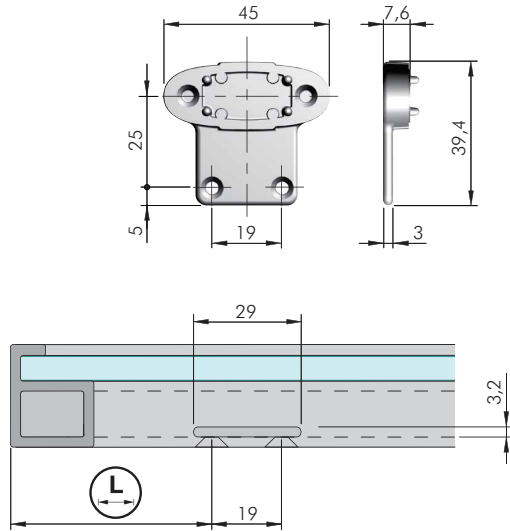
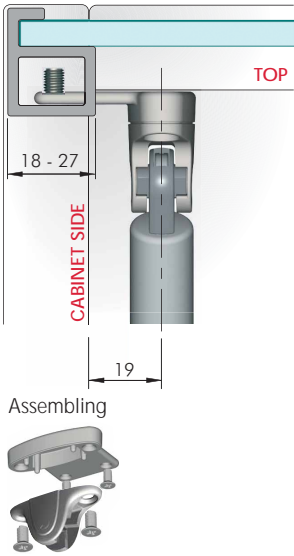
WIDER ALUMINIUM FRAME DOOR



	= Ø 3,6 mm		= 100 pcs.
ZA	EP		
42918010YC			
4291901000			

NARROW ALUMINIUM FRAME DOOR

Condition B



ZA = 100 pcs.

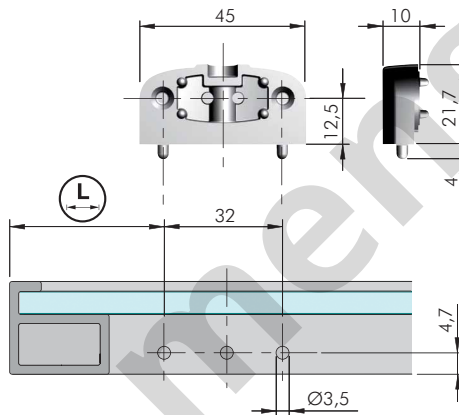
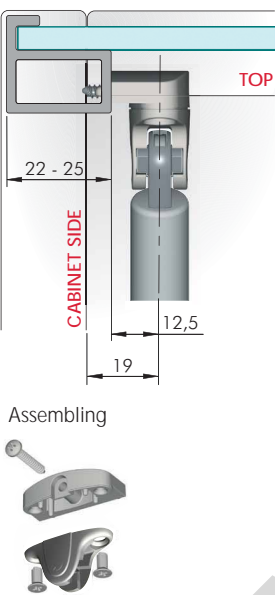
123

42903010YC

42918010YC

4291901000

Condition C



= Ø 3,5 mm

ZA = 100 pcs.

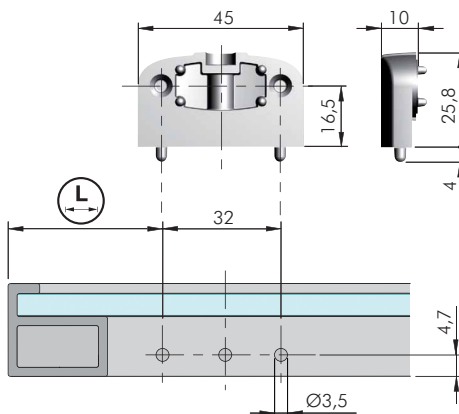
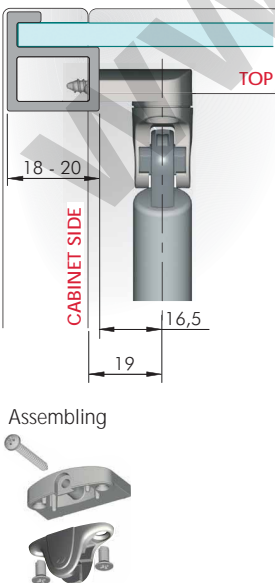
123

42904010YC

42918010YC

4291901000

Condition D



= Ø 3,5 mm

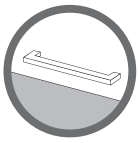
ZA = 100 pcs.

123

42905010YC

42918010YC

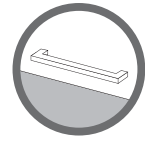
4291901000



KRABY	L	
164	31	37,5
244	68	74,5
355	119	125,5



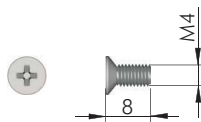
KRABY	L	
164	25	31,5
244	55	61,5
355	105	111,5



KRABY	L	
164	27	33,5
244	60	66,5
355	105	111,5

For details refer to related sections.

ALUMINIUM ADAPTERS FIXING ACCESSORIES



= PZ2

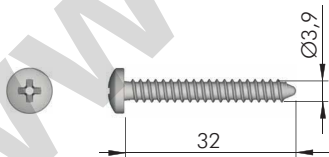
ST

= on request



42906010YA

For wider aluminium frame and for condition A, B, C, D.



= PZ2

ST

= on request



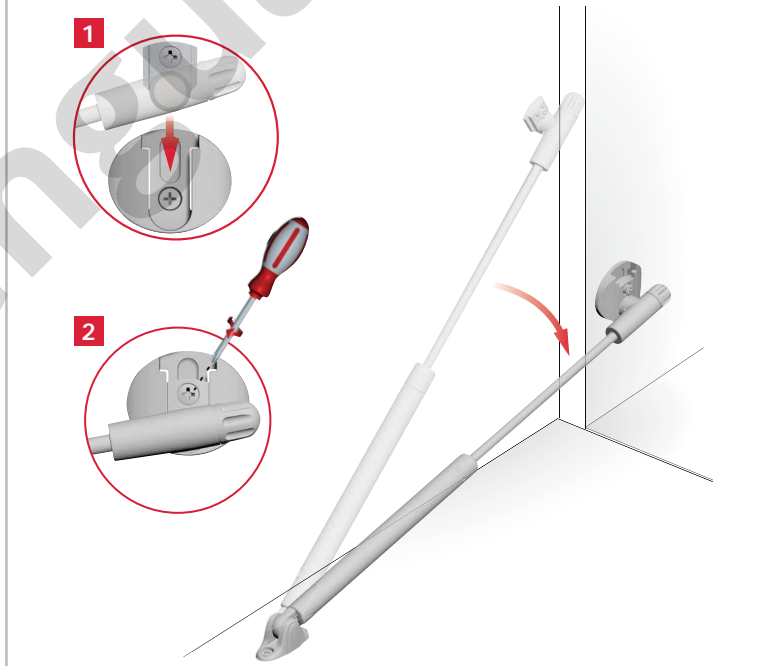
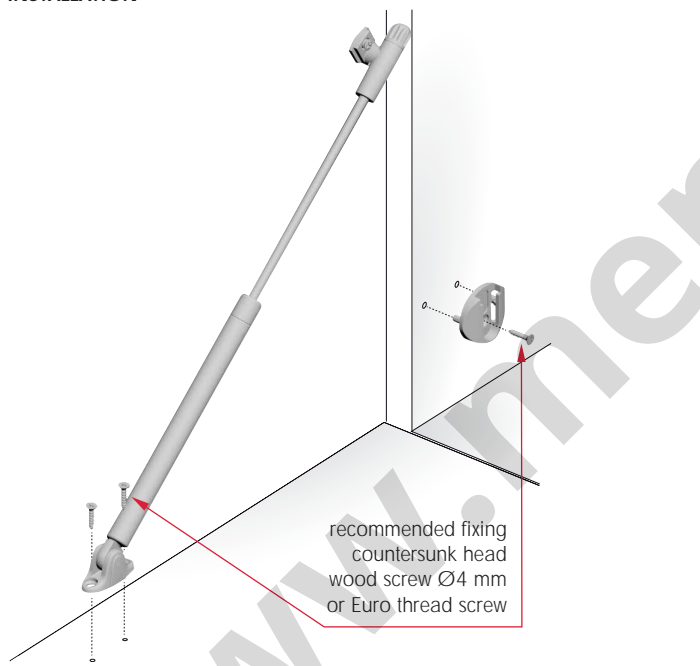
60203410YA

For condition C and D.

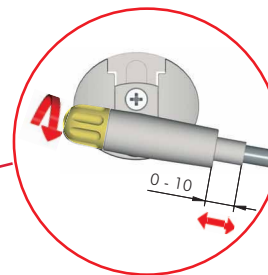
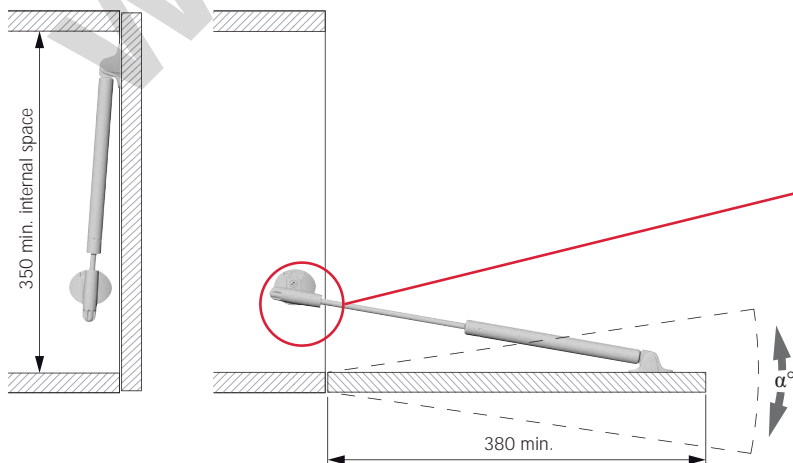
KRABY FOR WRITING DESK



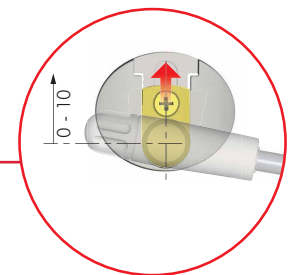
INSTALLATION



ADJUSTMENTS



INCREASE OPENING ANGLE
Rotate the rotary knob.



REDUCE OPENING ANGLE
Move forward and back-
ward the piston base plate
in the bracket slot.



DRILLING PLAN WITH KIMANA HINGE

-
-
-
-
-
-

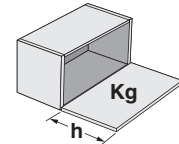
- Magnet K Lock
visible or invisible
- K Push Tech 20 mm
- With magnet
- Visible or invisible

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

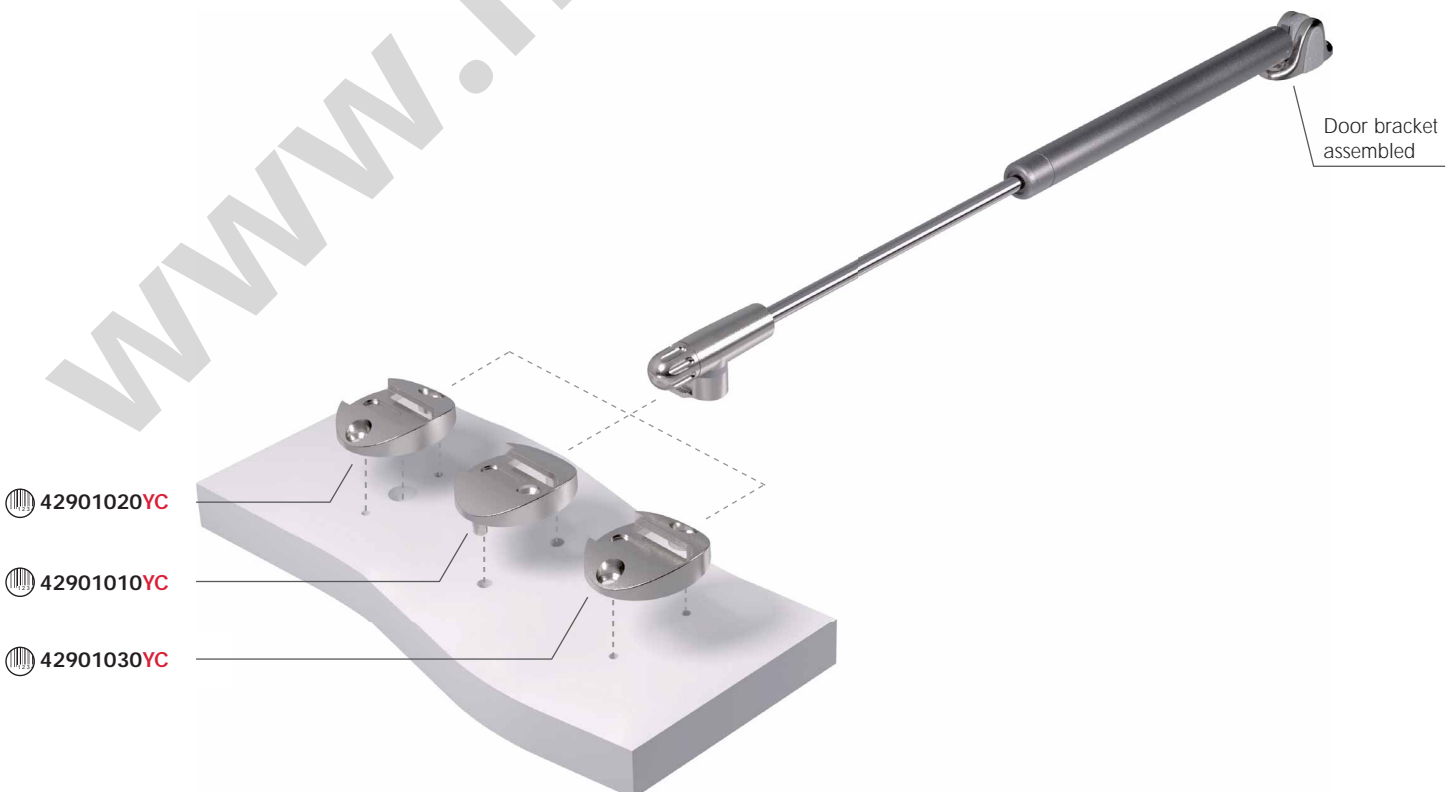
Number of stays chart

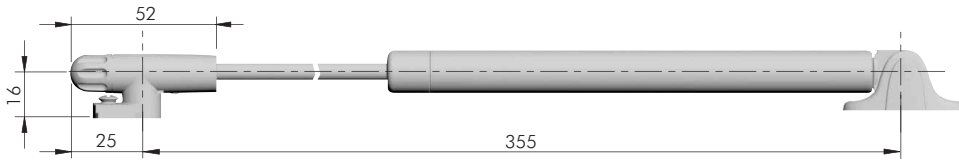
Rev. 00

h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	
380 - 450													2 x Kraby
451 - 550													2 x Kraby



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. **In accordance with the actual European regulation, it is necessary to use two lid stays for each door.**





ZAnk

EP

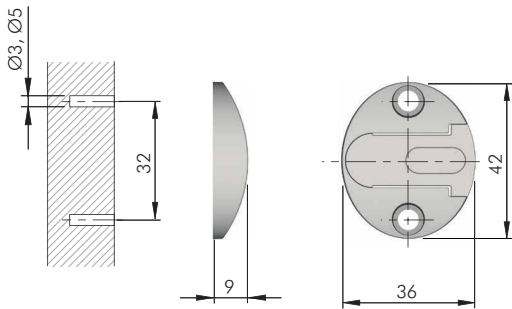
ST

= 50 pcs.



42250030UZ

SIDE BRACKETS



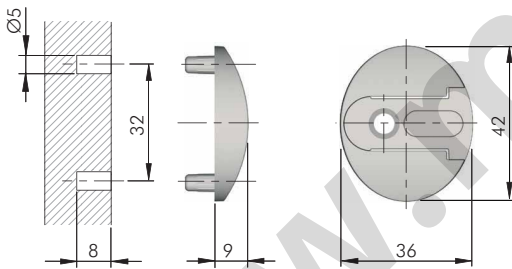
= Ø 3, Ø 5 mm

ZA

= 100 pcs.



42901030YC



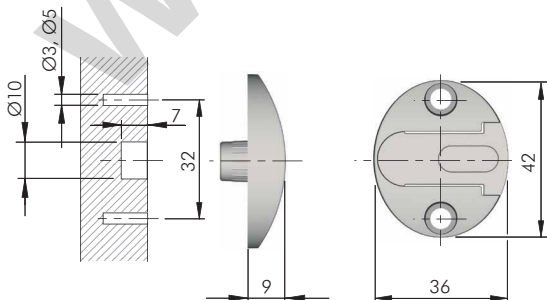
= Ø 5 mm

ZA

= 100 pcs.



42901010YC



= Ø 3, Ø 5 mm + Ø 10 mm

ZA

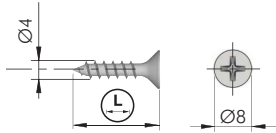
= 100 pcs.



42901020YC

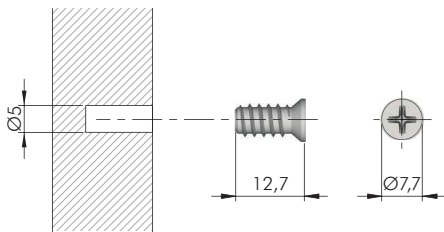


FIXING ACCESSORIES



= Ø 2,5 mm +
 = PZ2
 = 10.000 pcs.

60101570YA		16
60101580YA		18



= Ø 5 mm +
 = PZ2
 = 5000 pcs.

60501050YA	

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