Libera

The elegant solution

FORMENTI & GIOVENZANA

Gieffe

FGV Slovakia, Spol s r.o.

FGVTN Brasil LTDA.

FGV Dongguan

Great Numbers, Great Value

FGV is the leading Italian manufacturer of furniture hardware and components. Since 1947 the company develops, produces and sells worldwide clever solutions for the furniture and kitchen industry at the right price. Over the years MADE IN FGV has become synonymous of Italian design combined with mass volume economies of scale.

True to its slogan “Great Numbers, Great Value”, FGV offers to the market the right products in the right quality at the right price.

With 4 production plants in Italy, Slovakia, Brazil and China working with the same quality standards, FGV has the tools to propose affordable solutions with the latest technologies.

Using state-of-the-art and cost efficient technology, FGV delivers a product portfolio which covers the needs of the industry. The FGV sales network of own subsidiaries is completed by a very performing net of strategic distributors to deliver modern furniture technology in every part of the world.

Investing constantly in Customer service and new logistics solutions, FGV aim to help the furniture and kitchen industry to deliver an improved experience to the end-consumer when these buying and using furniture or kitchen cabinets.

Formenti & Giovenzana S.p.A.

FORMENTI & GIOVENZANA

Libera

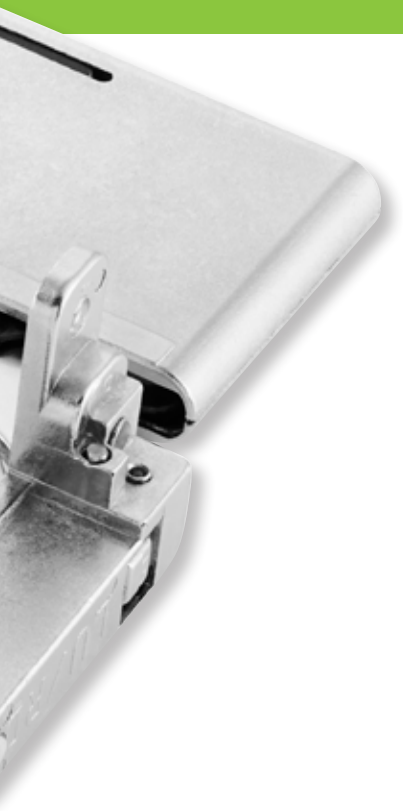
The elegant solution

High-end design for a trendy look

Modern colour finishes

Outstanding performances

SlowMotion and OneTouch technologies



The **Libera** hinge represents the latest solution in the FGV hinge program. The high-end product design confers an elegant look to the whole furniture. Available for wooden and aluminium framed door applications in two different colour finishes (Black and Nickel) to emphasized an aesthetical modern appeal. Unique functional features and outstanding performances with Libera and Libera XL versions.

Libera hinge

High-end design

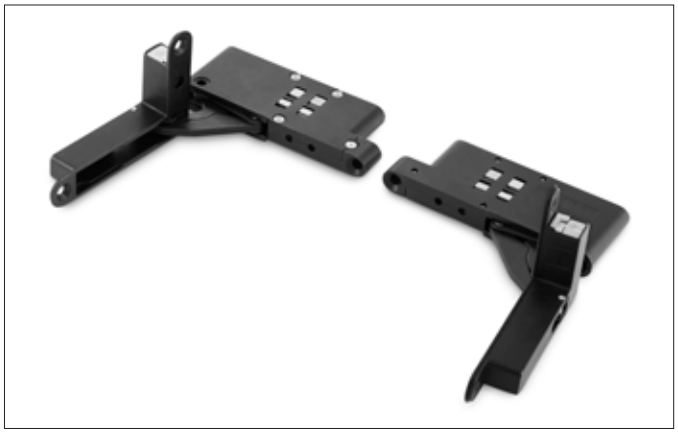
The Libera hinge, with its high-end design, is an elegant and attractive solution for furniture with modern appeal.
The discrete and compact presence, completely integrated into the top and bottom cabinet panels, guarantee a non-invasive and freestyle look.

Modern and trendy applications

Available in Nickel and Black colour finishes to guarantee a perfect matching with modern and trendy furniture both with wooden or aluminium framed door applications.

Libera and Libera XL

No limits to door dimensions, with Libera and Libera XL versions is covered a complete weight range of doors from 16 to 30 kg.



All the benefits from the up-to-date technologies

Available with SlowMotion technology for a soft door closure and smooth movement in every condition. Push-to-open application with OneTouch technology for self-opening of handle-less doors with linear and clear design.

A perfect door alignment

Thanks to an integrated 3D-adjustment it is possible to guarantee the right alignment of the door laterally, in height and in depth.

Libera XL

Technical specifications:

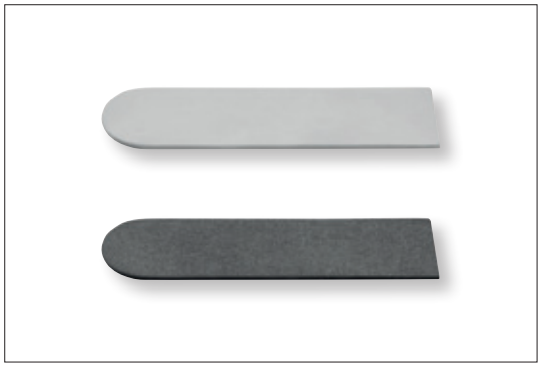
- Depth of the metal box 17mm
- Opening 100°
- Possibility of wooden door drilling (K) from 3 to 6 mm
- Thickness of the wooden door (T) 20mm minumum

LIBERA XL

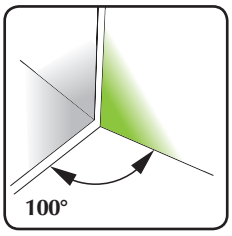
SLOWMOTION VERSION

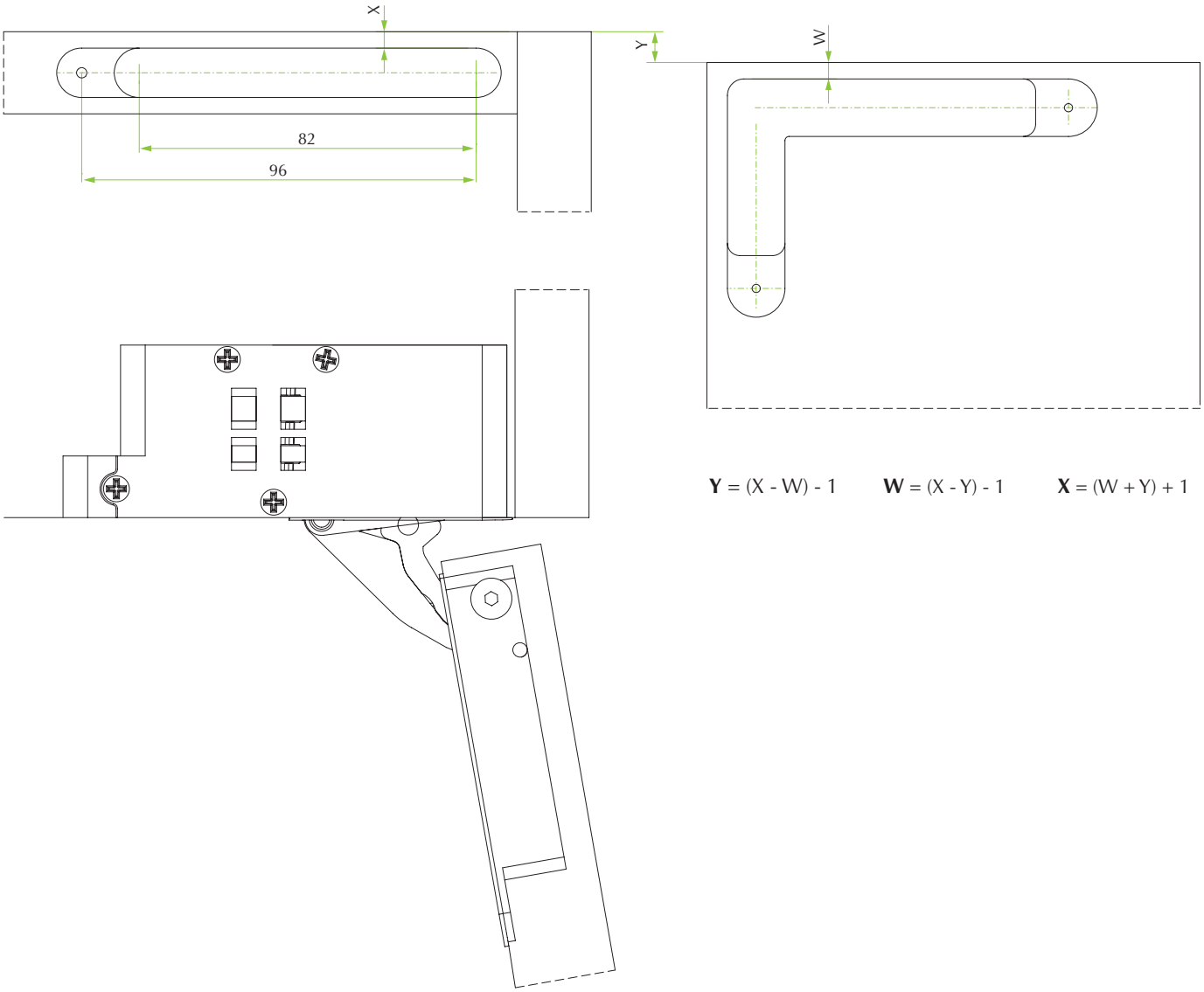
Code	Description	Packing
51.0AS2.**.010X.000	Left/Down (or Right/Up) SlowMotion hinge	30 pcs
51.0AS2.**.020X.000	Left/Up (or Right/Down) SlowMotion hinge	30 pcs

*** Metal colour code: 03 = Black / 05 = Nickel*



Cover caps included.





Y = (X - W) - 1 **W** = (X - Y) - 1 **X** = (W + Y) + 1

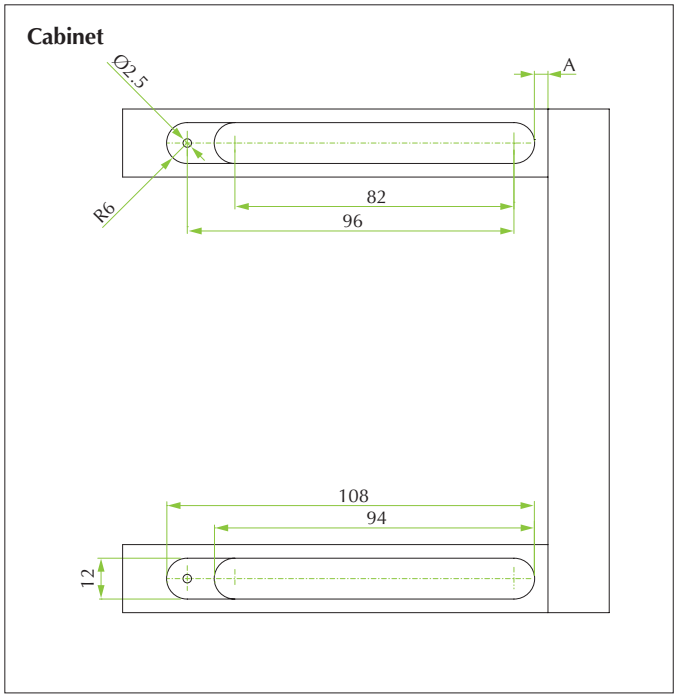
Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

	T=	**20**	**22**	**24**	**26**	**28**	**30**	**32**	**34**	**36**	**38**	**40**
K=3	**A=**	0	0	0	0	0	0.5	1	1.8	2.9	4.3	5.8
K=4	**A=**	0	0	0	0	0.2	0.5	1	1.8	2.8	4.0	5.5
K=5	**A=**	0	0	0	0	0.2	0.5	1	1.8	2.6	3.8	5.1
K=6	**A=**	0	0	0	0	0.2	0.5	1	1.8	2.5	3.6	4.8

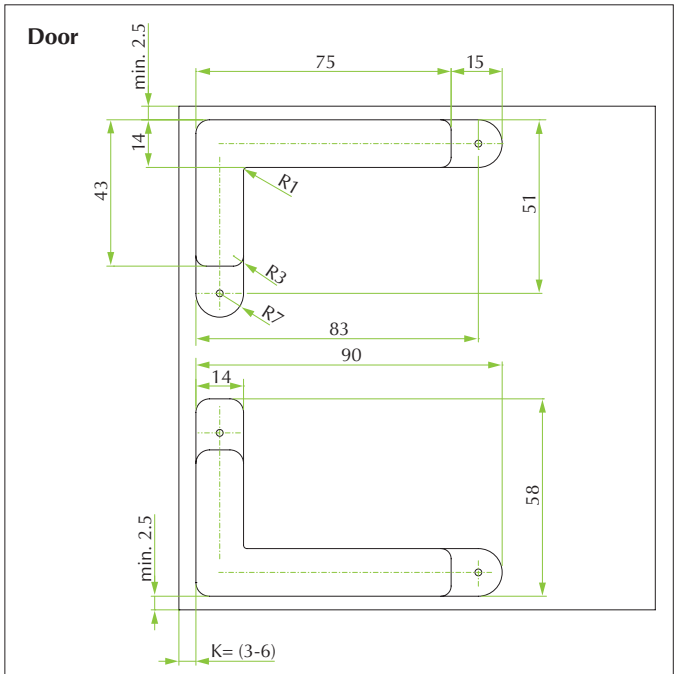
Instructions for use Libera XL

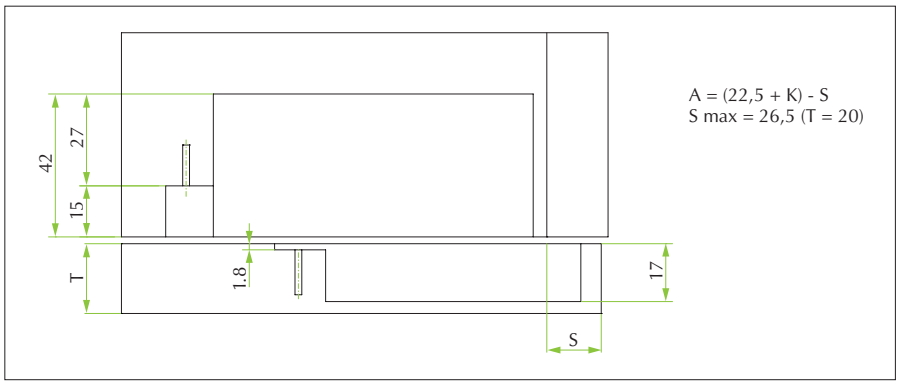
Wooden door application

Cabinet



Door

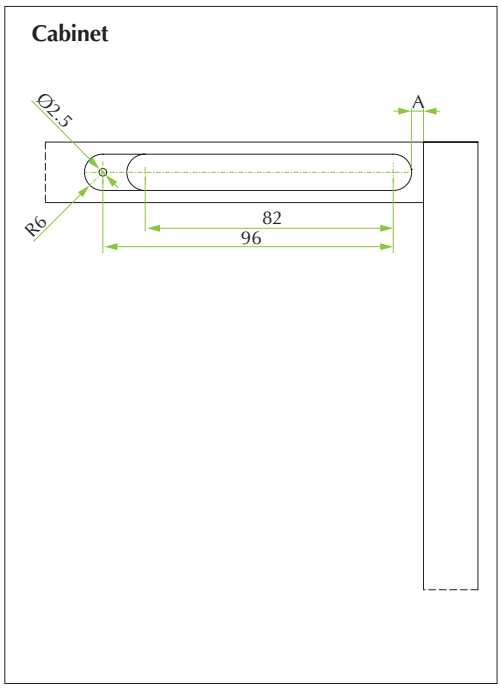




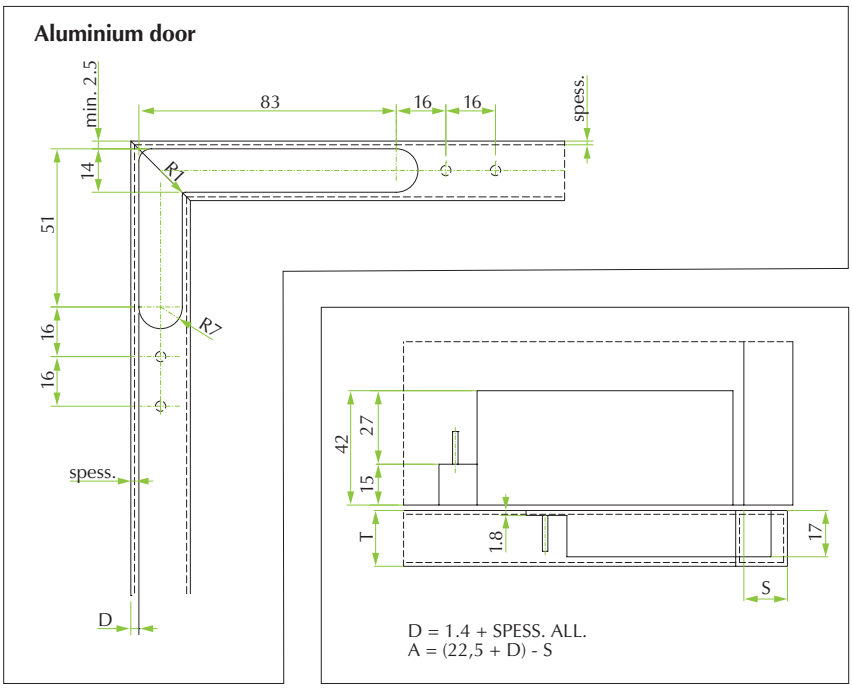
A = (22,5 + K) - S
S max = 26,5 (T = 20)

Aluminium door application

Cabinet

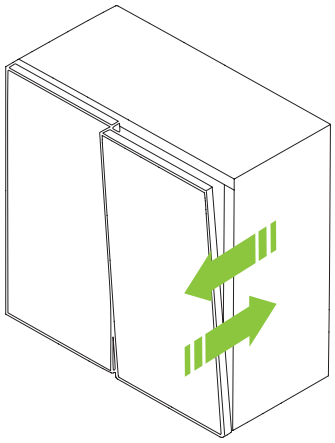


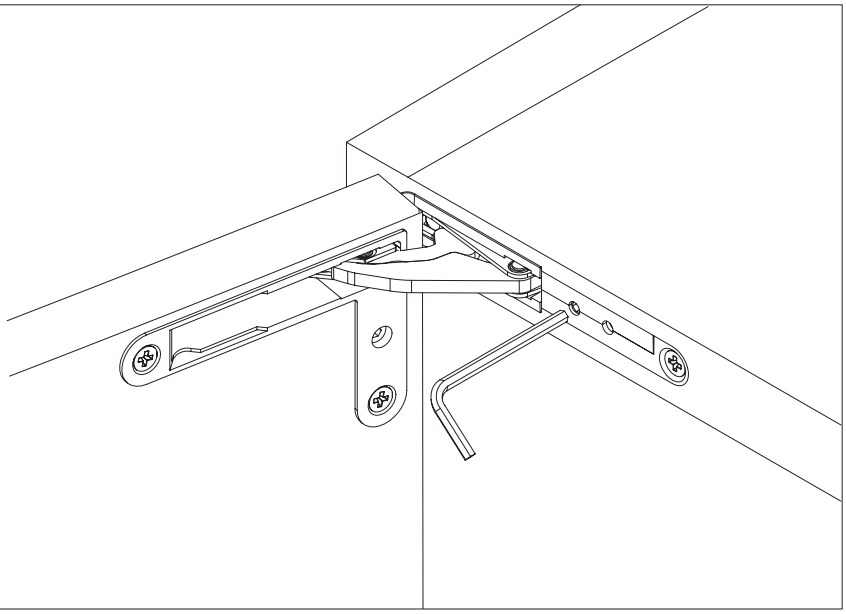
Aluminium door



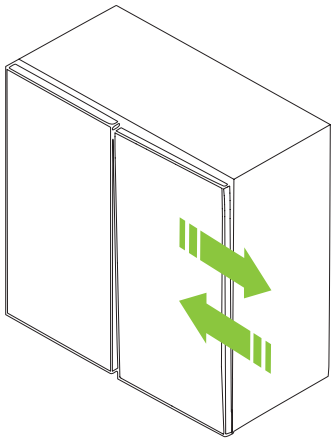
D = 1.4 + SPESS. ALL.
A = (22,5 + D) - S

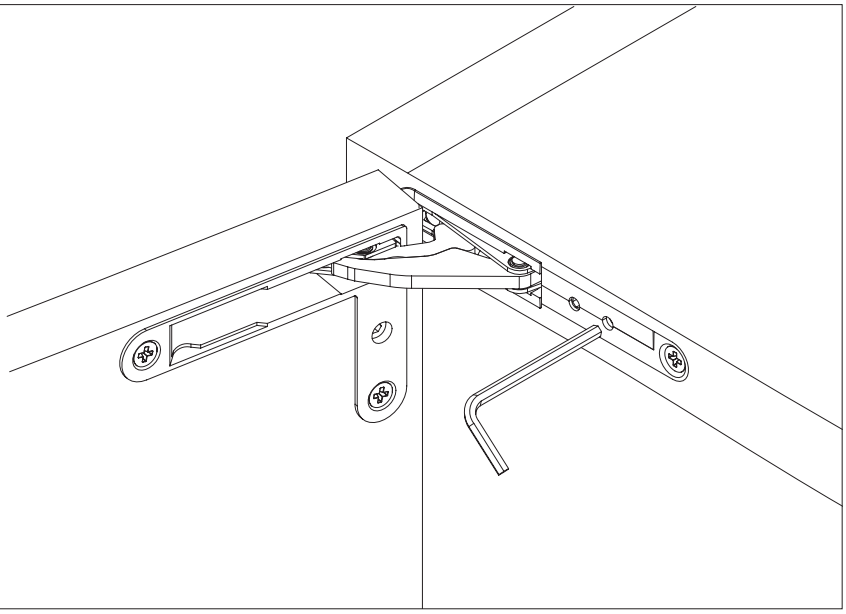
Adjustments



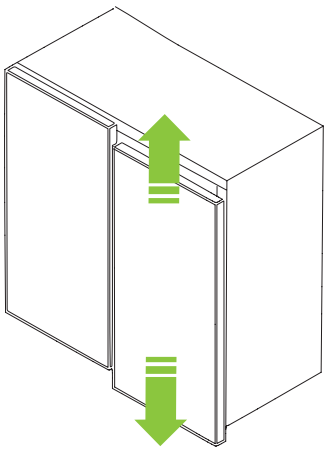


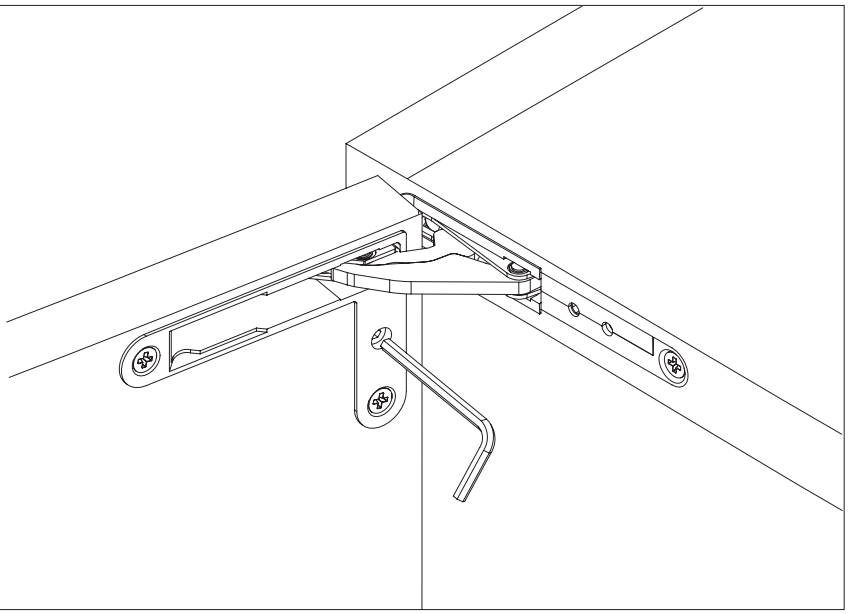
Frontal adjustments +2/-0.5 mm





Lateral adjustments +2/-2 mm





Vertical adjustments +2/-2 mm

Libera

Technical specifications:

- Depth of the metal box 15mm
- Opening 105°
- Possibility of wooden door drilling (K) from 3 to 6 mm
- Thickness of the wooden door (T) 18mm minimum

LIBERA

SLOWMOTION VERSION

Code	Description	Packing
51.0AS1.**.KT0X.000	Set of Up and Down SlowMotion hinges	50 sets
51.0AS1.**.010X.000	Left/Down (or Right/Up) SlowMotion hinge	100 pcs
51.0AS1.**.020X.000	Left/Up (or Right/Down) SlowMotion hinge	100 pcs

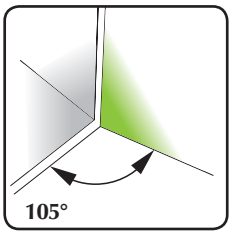
ONE-TOUCH VERSION

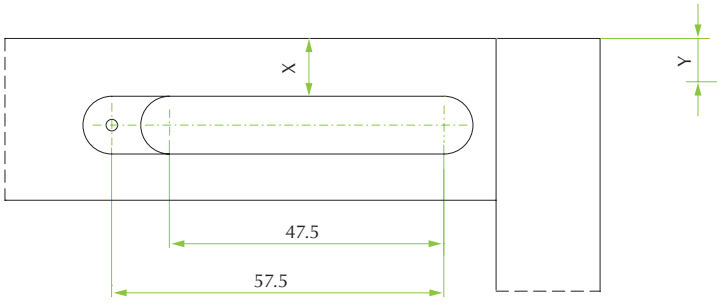
Code	Description	Packing
51.0AS1.**.KT0P.000	Set of Up and Down OneTouch hinges	50 sets
51.0AS1.**.010P.000	Left/Down (or Right/Up) SlowMotion hinge	100 pcs
51.0AS1.**.020P.000	Left/Up (or Right/Down) SlowMotion hinge	100 pcs

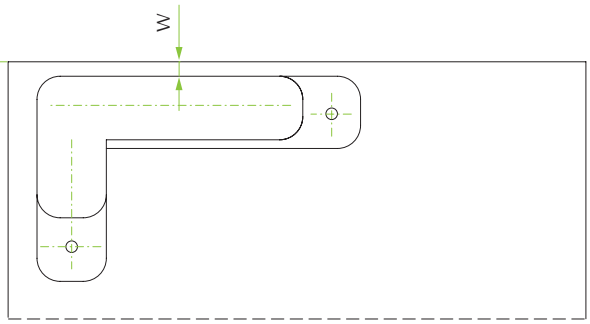
VERSION WITHOUT SPRING

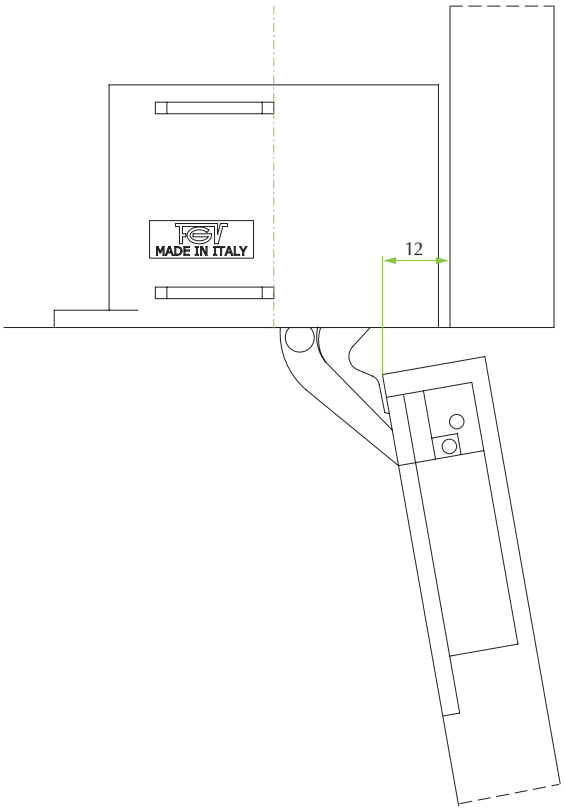
Code	Description	Packing
51.0AS1.**.KT00.000	Set of Up and Down hinges	50 sets
51.0AS1.**.0100.000	Left/Down (or Right/Up) hinge	100 pcs
51.0AS1.**.0200.000	Left/Up (or Right/Down) hinge	100 pcs

*** Metal colour code: 03 = Black / 05 = Nickel*
Packing in set consisting of 1 box with:1 bag of 50 Up hinges and 1 bag of 50 Down hinges.
Cover Cap available see page 17.









Y = (X - W) **W** = (X - Y) **X** = (W + Y)

Table to determinate the minimum distance **A** so that a door with **T** thickness can open without protrusion from the cabinet and without interfering with adjacent doors.

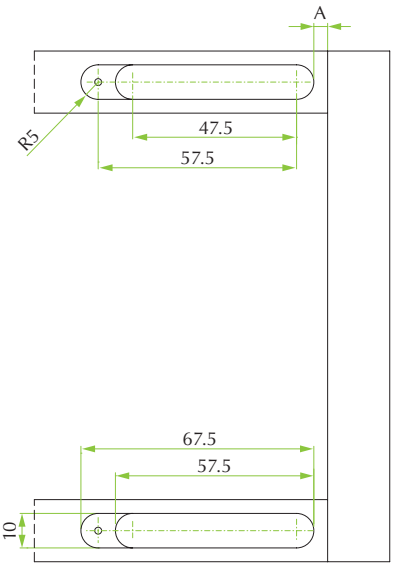
	T=	**18**	**20**	**22**	**24**	**26**	**28**	**30**	**32**
K=3	**A=**	0	0.2	0.5	0.9	1.4	2.1	3.1	4.7
K=4	**A=**	0	0.2	0.5	0.9	1.4	2.0	2.9	4.2
K=5	**A=**	0	0.2	0.5	0.8	1.3	2.0	2.8	3.9
K=6	**A=**	0	0.2	0.5	0.8	1.3	1.9	2.7	3.7

Values given in mm

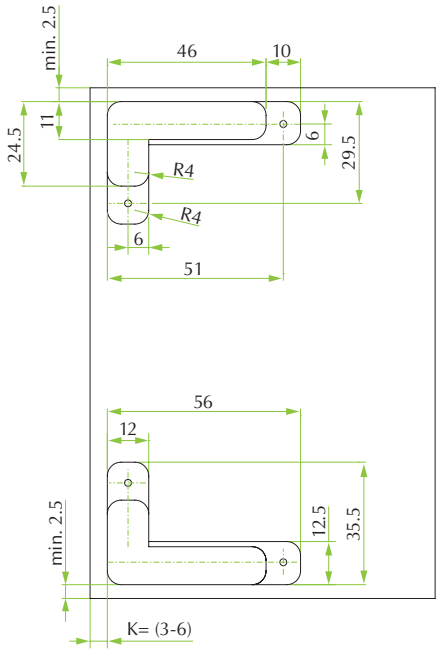
Instructions for use Libera

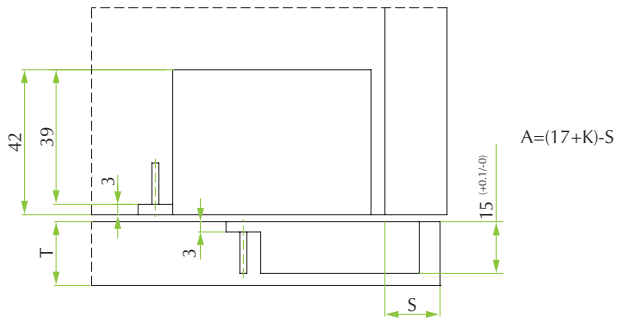
Wooden door application

Cabinet



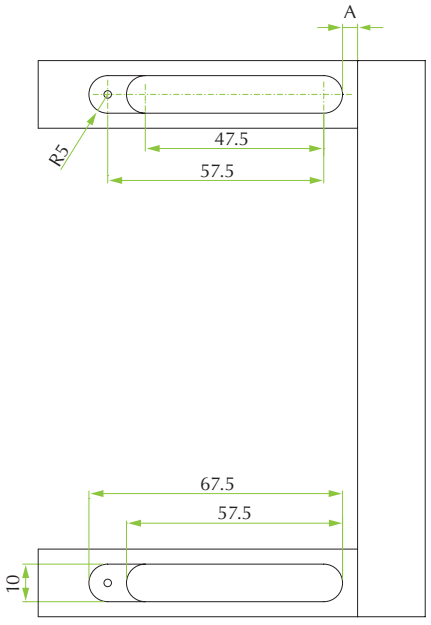
Door



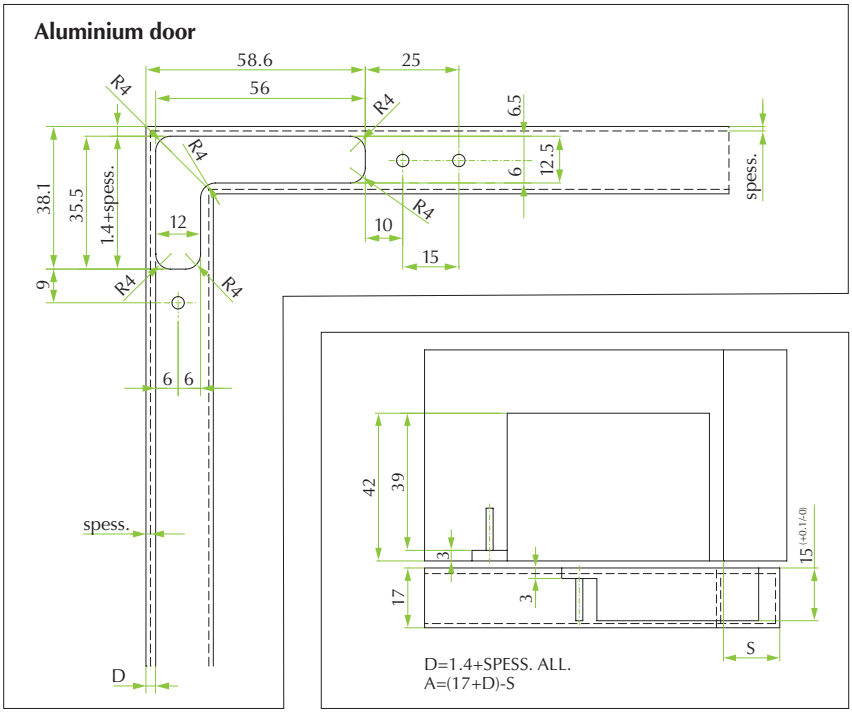


Aluminium door application

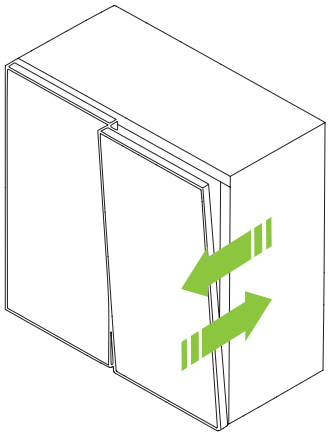
Cabinet

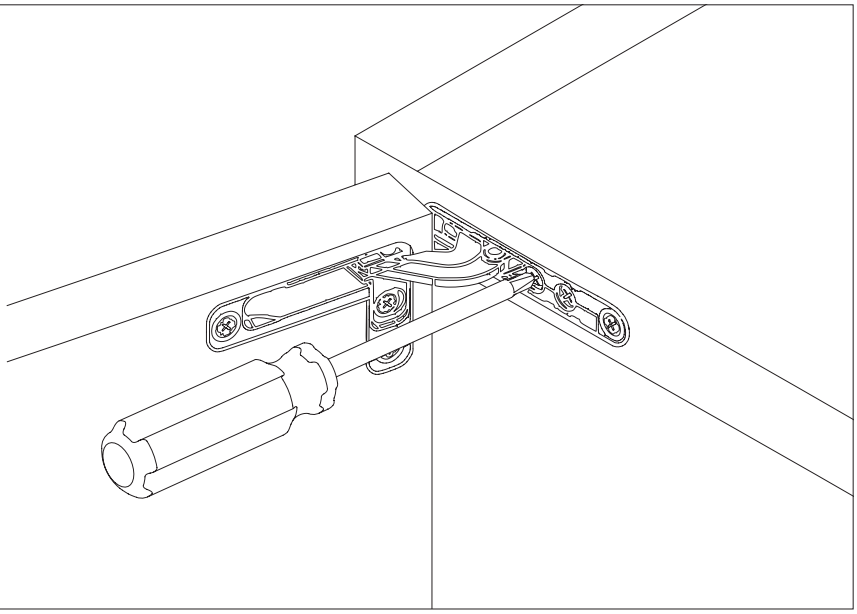


Aluminium door

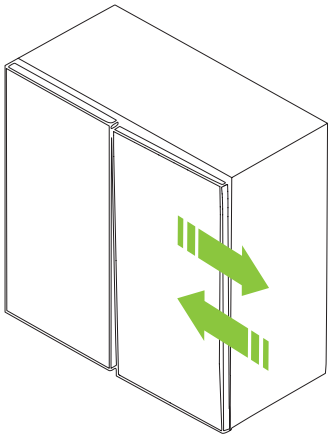


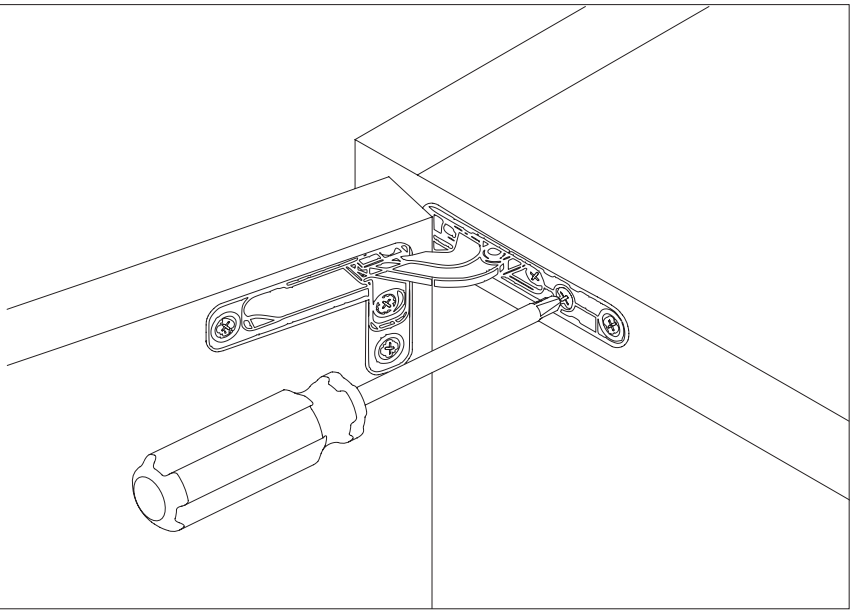
Adjustments



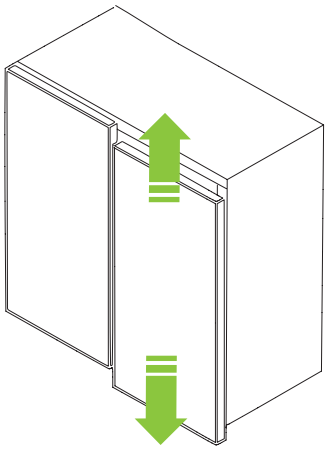


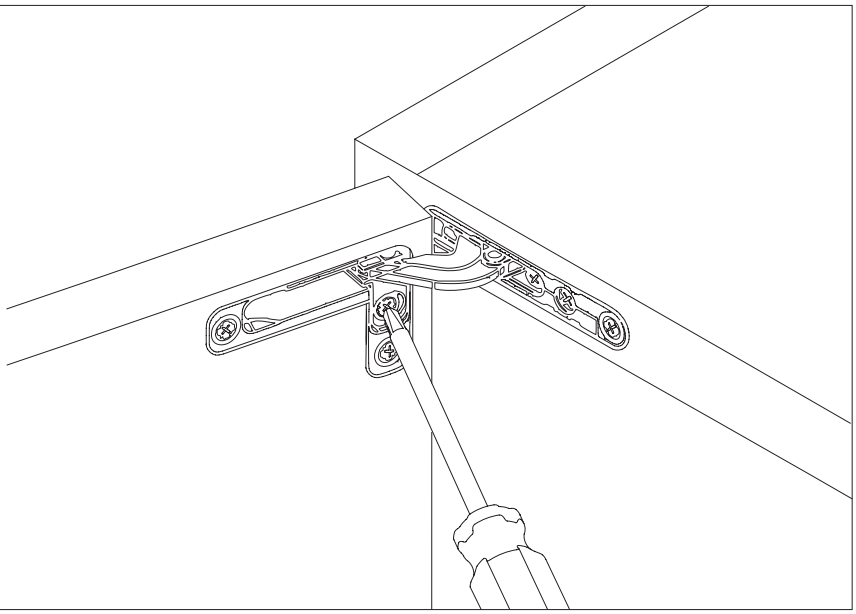
Frontal adjustments +2/-0.5 mm





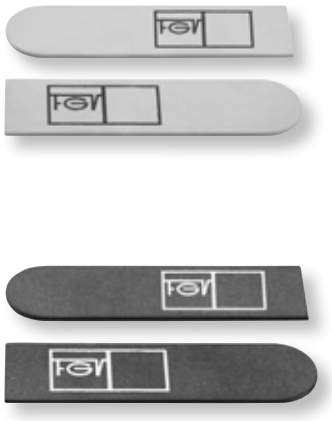
Lateral adjustments +2/-2 mm

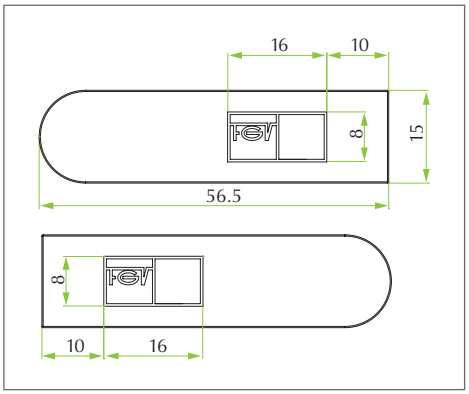




Vertical adjustments +1.5/-1.5 mm

Libera XL cover cap with FGV logo





Code	Description	Packing
51.MAS2.**. KT00.000	Set of cover caps with FGV logo	500 sets

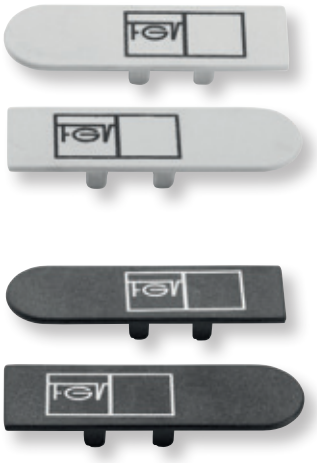
*** plastic colour codes: 03 = Black / 05 = grey Nickel*
Packing in set consisting of 1 box with:1 bag of 500 right cover caps and 1 bag of 500 left cover caps.

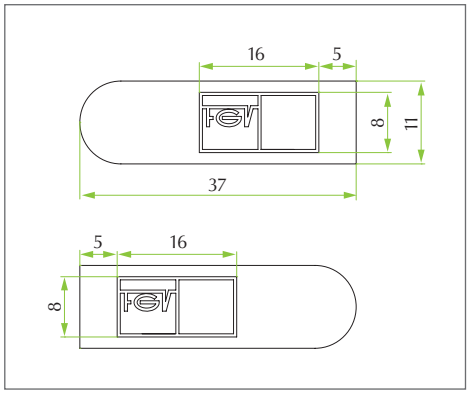
Libera XL corner connectors for aluminium framed door

Code	Description	Packing
51.0ASQ.28.0100.000	Left/Down (or Right/Up) corner connector	30 pcs
51.0ASQ.28.0200.000	Left/Up (or Right/Down) corner connector	30 pcs

 Attention: the picture shows the real product, the 3D drawing shows drilling and mounting instruction.

Libera cover cap with FGV logo

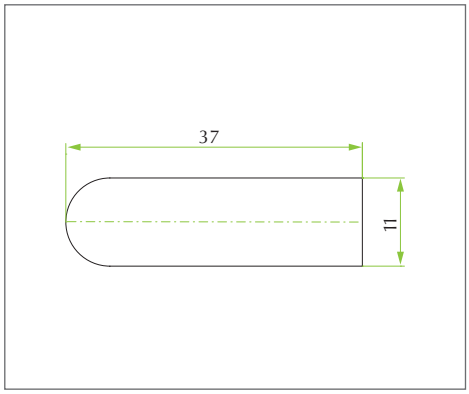




Code	Description	Packing
51.MAS1.**. KT00.000	Set of cover caps with FGV logo	500 sets

*** plastic colour codes: 03 = Black / 05 = grey Nickel*
Packing in set consisting of 1 box with:1 bag of 500 right cover caps and 1 bag of 500 left cover caps.

Libera cover cap without logo



Code	Description	Packing
51.MAS1.**.0000.00N	Cover cap without logo	1000 pcs

*** plastic colour codes: 03 = Black / 05 = grey Nickel*

Libera corner connectors for aluminium framed door

Code	Description	Packing
51.0ASQ.08.KT00.000	Set of Up and Down corner connectors	500 sets
51.0ASQ.08.0100.000	Left/Down (or Right/Up) corner connector	100 pcs
51.0ASQ.08.0200.000	Left/Up (or Right/Down) corner connector	100 pcs

Packing in set consisting of 1 box with:1 bag of 50 Up corner connectors and 1 bag of 50 Down corner connectors.

Notes

Notes

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