Tera Black

TITUS ENHANCED RESISTANCE APPLICATION

1st EDITION

Important Information

Technical information

While every effort has been made in the production of this catalogue to ensure the accuracy of information, our products are continually being revised and users should confirm the up to date specification before ordering. Due to constant improvement of products presented in the catalogue, we can make changes at any time and without notice.

Responsibility

It is the responsibility of the user to ensure the fitness of hardware for the intended purpose. We recommend assessment by appropriate testing in the application and by technical enquiry to our representatives.

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All Item numbers in the catalogue marked with * are for non preferred items available on extended delivery times.

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Tera Black

TITUS ENHANCED RESISTANCE APPLICATION







Engineered for

Uniform surface that absorbs light and reduces reflection, combining black matte colour together with a special anti-corrosion protection.



purpose



TeraBlack is more than just another colour option.

The Titus Enhanced Resistance Application finish is uniquely durable, designed to last and backed by the Titus lifetime hardware warranty.

It is an engineered solution supported by a highly controllable, repeatable and efficient manufacturing process allowing for consistency throughout the lifecycle of the product.

versatility

Take the design and performance of your furniture to the next level with the Titus TeraBlack product range.

TeraBlack, with its highly uniform non-reflective black matte surface, complements all - modern and classic - furniture designs in kitchens, bedrooms, living rooms, bathrooms and office applications.



Titus launched the TeraBlack product range, spearheaded by the hugely popular T-type hinge family, to work equally well against black, anthracite, and traditional cabinetry and hardware. A whole range of fittings are now available in the TeraBlack finish, including push latches, shelf supports, joining plates, connectors and more.



Tera Black Product guide

	Cranking	Opening angle	Cup type	Page
T-type hinges				
T-type Glissando 110	0 mm	110°	for wooden doors	18
	9 mm	110°	for wooden doors	20
	17 mm	110°	for wooden doors	20
T-type Glissando 110/45°	17 mm	110°	for wooden doors	22
T-type Glissandoß 110/90°	17 mm	110°	for wooden doors	24
T-type 170	0 mm	170°	for wooden doors	26
T-type for Pie-cut Corner cabinet			for wooden doors	28
T-type Mounting Plates				30
Cover Caps				32
Cabinet accessories				
Glissando TL 170				36
Push Latch				38
Joining Plates				40
Shelf Support				41

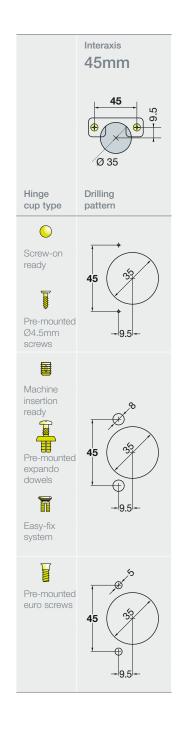
Concealed Hinges

Drilling Patterns

Drilling Patterns for Hinge Cup

Interaxis 45mm

· T-type



Interaxis is the distance between the centre of the two holes for fixing screws on the hinge cup.

Concealed Hinges

Adjustment

Side Adjustment

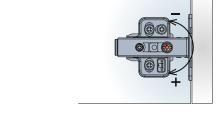


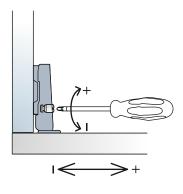
The side adjustment aligns the door with the side of the cabinet.

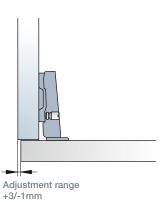
By rotating the adjustment screw

T-type

The side adjustment is made by rotating the screw on the hinge arm.



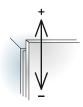




Concealed Hinges

Adjustment

Height Adjustment



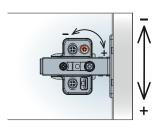
Height adjustment is necessary to achieve optimal vertical door position.

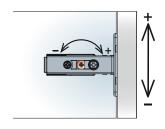
By rotating the cam adjuster

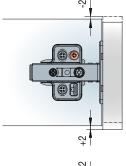
T-type with cam adjustable cruciform mounting plate

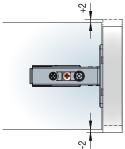
T-type with cam adjustable horizontal mounting plate

Height adjustment is made by rotating the cam adjuster on the mounting plate.

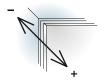








Depth Adjustment

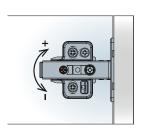


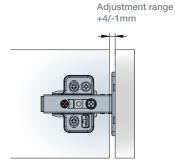
The system enables easy adjustment of the gap between door and cabinet.

By rotating the cam adjuster

Rotate the cam adjuster on the hinge arm.

T-type

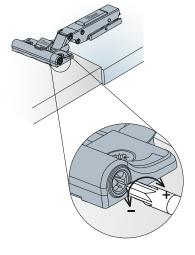




Damping Adjustment

T-type Glissando 110

The damping action can be adjusted to fit different door weights and sizes which enables perfect door soft closing.



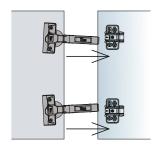
Damping is factory pre-set to the medium damping value.
Turn towards '+' to increase and '-' to decrease the damping.





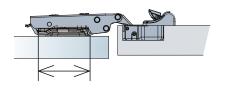
Easy door installation even in cases of 3-5 hinges per door

- · Easy and quick assembly and disassembly
- \cdot Flexibility for the furniture user



Highly tolerant

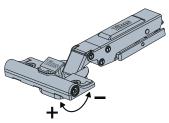
- · Efficient performance in marginal values of tolerances
- · Reliable door closing in case of accidental misalignment
- · ConfidentClose assured

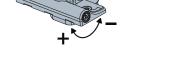


Rigidity

- · Hinge-to-plate attachment assures stability and rigidity
- · Smooth performance
- · Tight hinge-to-plate joint improves hinge stability and reduces door sag







Adjustable damping

- · Consistent performance on doors of different dimensions and weights
- · Intuitive adjustment procedure



Titus Damper Inside

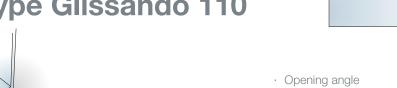
- · Titus proprietary multi-purpose damping technology
- · Reliable and consistent life-long damping



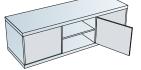
Proven Glissando concept

- · Damper is positioned transversal on the hinge cup
- · Reliable performance

TeraBlack T-type Glissando 110







For wooden doors

- 110°
- 35mm
- 12mm 3Way snap-on

- · Drilling diameter for hinge cup
- · Drilling depth
- · Hinge on plate mounting system



110°

Technical details

Interaxis 45mm



Cup type

Item number

Cranking

0_mm







701.0AT0.956.00



701.0AT4.956.00

Drilling patterns for hinge cups ---- see page 12

96 pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate

-> see page 30



Cam adjustable horizontal mounting plate → see page 30

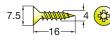


Hinge angle restrictor 728.4669.383.00



200 Pcs

Hinge cup screws If not pre-mounted



820.6328.956.00



1000 pcs



For cranking For cranking 0mm, 5mm,



9mm, 17mm

Cover caps for hinge arm ---> see page 32

Legend of hinge cup symbols







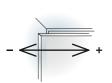




Damping adjustment



Door adjustment







Side adjustment +3/-1mm

Height adjustment +2/-2mm

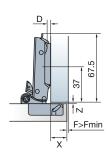
Depth adjustment +4/-1mm

For further explanation — see page 15

For further explanation ---- see pages 13-15

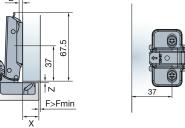
Mounting details

10.6



Mounting plate drilling distance

Mounting plate thickness table



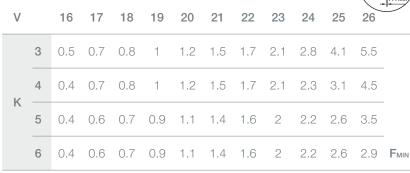
Х		13	14	15	16	17	18	19	
	3	3	2	1	0				
K	4	4	3	2	1	0			
r	5		4	3	2	1	0		
	6			4	3	2	1	0	D

Drawing shows application on D=0mm thick mounting plate

D=13+K-x



Door clearance at R=1mm



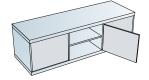




TeraBlack T-type Glissando 110

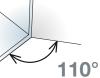






For wooden doors

- 110°
- 35mm
- 12mm
- 3Way snap-on





· Opening angle

- Drilling diameter for hinge cup
- · Drilling depth
- · Hinge on plate mounting system

Interaxis 45mm



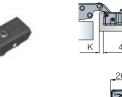
Cup type

Item number

Cranking

9_mm







701.0CT0.956.00



701.0CT4.956.00

Drilling patterns for hinge cups ---- see page 12



Made of steel

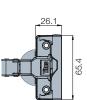
Cranking

17mm











701.0DT0.956.00



701.0DT4.956.00



96 pcs

Made of steel

Mounting plates



Cam adjustable cruciform mounting plate see page 30



Cam adjustable horizontal mounting plate > see page 30



Hinge angle restrictor 728.4669.383.00



200 Pcs

Hinge cup screws If not pre-mounted





820.6328.956.00



1000 pcs



For cranking 0mm, 5mm, 9mm, 17mm

Cover caps for hinge arm ---> see page 32

Legend of hinge cup symbols











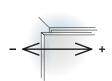




Damping adjustment



Door adjustment







Side adjustment +3/-1mm

Height adjustment +2/-2mm

Depth adjustment +4/-1mm

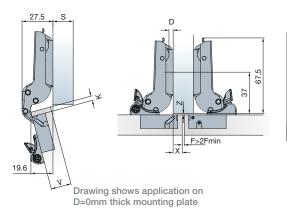
For further explanation — see page 15

For further explanation ---- see pages 13-15

Mounting details

Mounting plate drilling distance

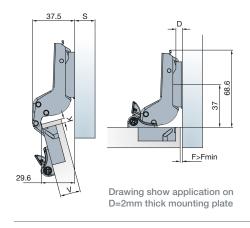
Mounting plate thickness table

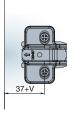




Х		4	5	6	7	8	9	10	
	3	3	2	1	0				
1/	4	4	3	2	1	0			
K	5		4	3	2	1	0		
	6			4	3	2	1	0	D

D=4+K-x





V		16	17	18	19	20	21	22	23	24	
	3	0	0	0	0	1	1	1	1	2	
I/	4	1	1	1	1	2	2	2	2	3	
K	5	2	2	2	2	3	3	3	3	4	
	6	3	3	3	3	4	4	4	4		D

D= -4+K+F



Door clearance at R=1mm

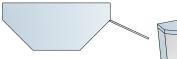
V		16	17	18	19	20	21	22	23	24	25	26	-
	3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5	
V	4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5	
r.	5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5	
	6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9	FMIN

Gap Zмін=0

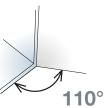


TeraBlack T-type Glissando 110/45°

45° angled application for wooden doors







- · Opening angle
- · Drilling diameter for hinge cup
- · Drilling depth
- · Hinge on plate mounting system

110°

35mm 12mm

3Way snap-on



Interaxis 45mm



Cup type

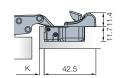
Item number

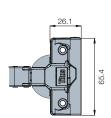
Cranking

17mm









701.0B08.961.00



701.0C54.961.00

Drilling patterns for hinge cups ---- see page 12

48 pcs

Cup made of steel, arm made of zinc

Mounting plates



Cam adjustable cruciform mounting plate -> see page 30



Cam adjustable horizontal mounting plate → see page 30

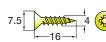


Hinge angle restrictor 728.4669.383.00



200 Pcs

Hinge cup screws If not pre-mounted





820.6328.956.00



1000 pcs



For cranking 0mm, 5mm, 9mm, 17mm

Cover caps for hinge arm

Legend of hinge cup symbols









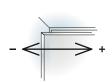




Damping adjustment



Door adjustment







Side adjustment +3/-1mm

Height adjustment +2/-2mm

Depth adjustment +2.5/-2.5mm

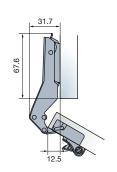
For further explanation — see page 15

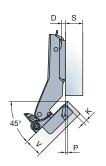
For further explanation ---- see pages 13-15

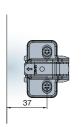
Mounting details

Mounting plate drilling distance

Mounting plate thickness table

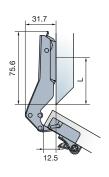


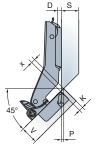


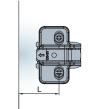


Р		0	0.5	1	1.5	2	2.5	3	3.5	4	
	3		2		1		0				
V	4	3		2		1		0			
K	5		3		2		1		0		
	6	4		3		2		1		0	D

Drawings show application on D=0mm mounting plate







L=45 for thickness D=0 L=44 for thickness D=1 L=43 for thickness D=2 L=42 for thickness D=3 L=41 for thickness D=4

Χ 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 6

	3	2			1			0						
I/	4			2			1			0				
K	5		3			2			1			0		
	6	4			3			2			1		0	D

Drawings show application on D=0mm mounting plate

Door clearance at R=1mm



V		16	17	18	19	20	21	22	23	24	25	26	
	3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5	
IZ.	4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5	
K	5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5	
	6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9	F _{MIN}

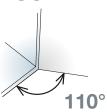




TeraBlack

For wooden door cabinets with blind panels

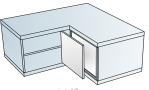
T-type Glissando 110/90°





- · Drilling diameter for hinge cup
- · Drilling depth

· Hinge on plate mounting system



110°

35mm 12mm

3Way snap-on



Interaxis 45mm



Cup type

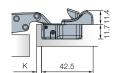
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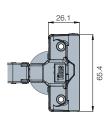
Cranking

17mm









701.0A96.961.00



701.0D30.961.00

Drilling patterns for hinge cups ---- see page 12

48 pcs

Cup made of steel, arm made of zinc

Mounting plates



Cam adjustable cruciform mounting plate → see page 30



Cam adjustable horizontal mounting plate → see page 30



Hinge angle restrictor 728.4669.383.00





0mm, 5mm,

9mm, 17mm

Hinge cup screws If not pre-mounted

> Cover caps for hinge arm

820.6328.956.00

1000 pcs

Legend of hinge cup symbols









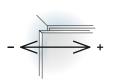




Damping adjustment



Door adjustment







Side adjustment +2.5/-2.5mm

Height adjustment +2/-2mm

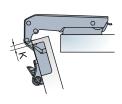
Depth adjustment +3/-1mm

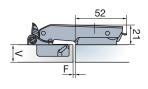
For further explanation — see page 15

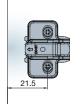
For further explanation ---- see pages 13-15

Mounting details

Mounting plate drilling distance





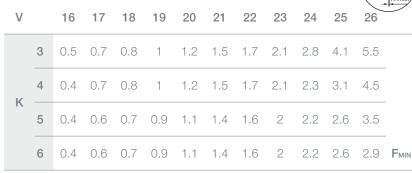


Drawing shows application on D=2mm mounting plate

Drawing shows application on D=2mm mounting plate



Door clearance at R=1mm



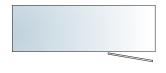


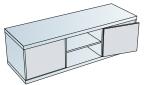


TeraBlack T-type 170









- · Opening angle
- · Drilling diameter for hinge cup
- · Drilling depth
- · Hinge on plate mounting system

165°

35mm 12mm

3Way snap-on



Technical details

45mm

Interaxis



Cup type

Item number

Cranking

0mm





702.0EK0.956.00



702.0EK4.961.00

Drilling patterns for hinge cups ---- see page 12

№ 48 pcs

Made of steel and zinc





Cam adjustable cruciform mounting plate

>> see page 30



Cam adjustable horizontal mounting plate

>>> see page 30

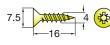


Hinge angle restrictor 248.4672.383.00



200 Pcs

Hinge cup screws If not pre-mounted



820.6328.956.00



1000 pcs





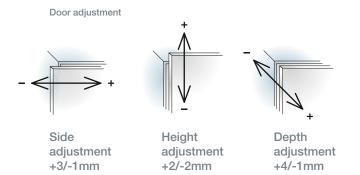






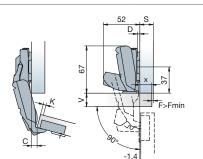






For further explanation ---- see pages 13-15

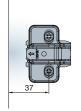




Drawings show application on D=0mm mounting plate No protrusion in 90° position

Mounting plate drilling distance

Mounting plate thickness table



X		13	14	15	16	17	18	19	
	3	3	2	1	0				
K	4	4	3	2	1	0			
r.	5		4	3	2	1	0		
	6			4	3	2	1	0	D

D=13+K-x





Door clearance at R=1mm

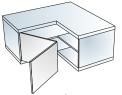
V		16	17	18	19	20	21	22	23	24	25	26	F>Fmin
	3	0.5	0.7	0.8	1	1.2	1.5	1.7	2.1	2.8	4.1	5.5	
IZ.	4	0.4	0.7	0.8	1	1.2	1.5	1.7	2.1	2.3	3.1	4.5	-
r.	5	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	3.5	-
	6	0.4	0.6	0.7	0.9	1.1	1.4	1.6	2	2.2	2.6	2.9	F _{MIN}

Gap Zмін=0

TeraBlack T-type for Pie-cut Corner Cabinet

- · Opening angle
- · Drilling diameter for hinge cup
- · Drilling depth
- · Hinge on plate mounting system

For wooden doors



70°

35mm 11mm

3Way snap-on



Technical details

Interaxis **45mm**



Cup type

Item number

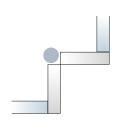




721.0PK0.961.00



721.0PK4.961.00





48 pcs

Made of steel and zinc

Mounting plates



Cam adjustable cruciform mounting plate

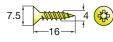
>> see page 30



Cam adjustable horizontal mounting plate

>> see page 30

Hinge cup screws
If not pre-mounted



820.6328.956.00





0mm



For cranking 0mm, 5mm, 9mm, 17mm

Cover caps for hinge arm see page 32 Legend of hinge cup symbols

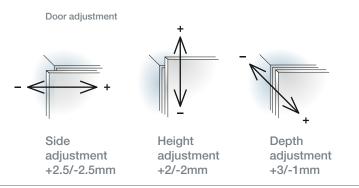




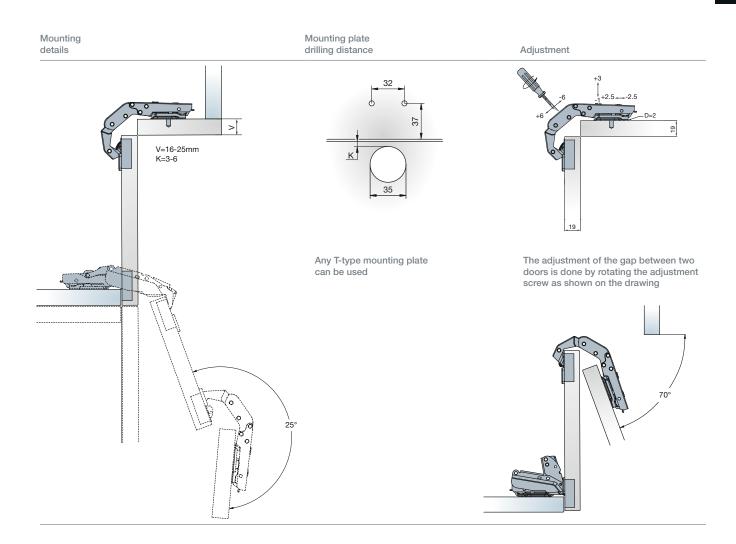




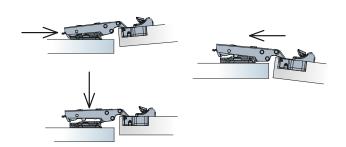


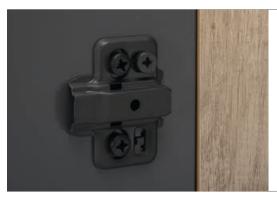


For further explanation — see pages 13-15



TeraBlack T-type Mounting Plates



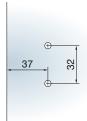


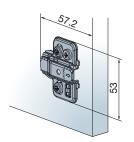
Drilling pattern

Dimensions

Cam adjustable cruciform mounting plate 37mm





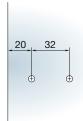


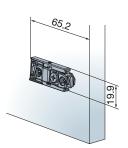
384 pcs

Made of steel

Cam adjustable horizontal mounting plate 37mm





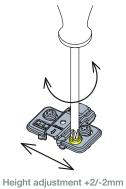


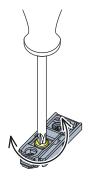
76

768 pcs

Made of steel







Mounting plate thickness

Height adjustment +2/-2mm

Mounting plate type	15	10.5
Mounting plate thickness (D)	min 11.5 Ø5	min 10.5 Ø5
0mm	700.0KC0.956.00	700.0KF0.956.00
2mm	700.0KC2.956.00	700.0KF2.956.00
3mm	700.0KC3.956.00	700.0KF3.956.00

2	mm	
_		

700.0LC2.961.00

700.0LF2.961.00

Legend of mounting plate type symbols



Pre-mounted 15mm euro screws



Pre-mounted 10.5mm expanding dowels





TeraBlack T-type Cover Caps







Glissando TL 170

- · Add-on soft closing system
- · Tool-less mounting onto the hinge cup
- · Adjustable damping
- Unique solution for wide angle hinges



Push Latch

- Sophisticated look of cabinets without handles
- · Intuitive mounting using standard drilling patterns
- · Depth adjustment feature
- · Safety detachment feature





Joining plates

- · Intuitive positioning and mounting
- · No pre-drilling
- Consistent and accurate door alignment
- · Compact design for strong joint

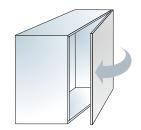


Shelf supports

- · Improved cabinet design
- · Tool-free insertion
- \cdot Less visible holes in the cabinet
- · Stable cabinet construction

TeraBlack Glissando TL 170

Add-on Hinge Soft Closing System for T-type 170







Technical details

ige opening angle

170° **951.0F15.961.00**

Glissando TL 170 snap-on



Soft closing mechanism



Striking plate

12.4 K 52.5

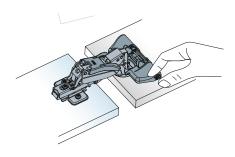
24

240 pcs

Made of steel and plastic

- \cdot Gentle and reliable soft closing on doors with wider opening angle
 • Fits perfectly 45/9.5mm and 48/6mm hinge cups
- Furniture consumers' preferred ConfidentClose damping action
- · Toolless mounting

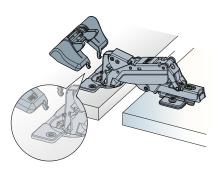


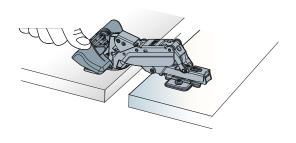


Turn towards '+' to increase and '-' to decrease the damping

Mounting details

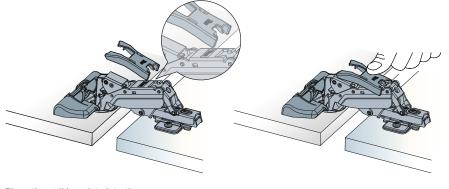
Toolless mounting

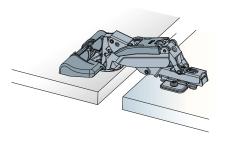




Insert Glissando TL 170 into the holes on the hinge cup

Press down



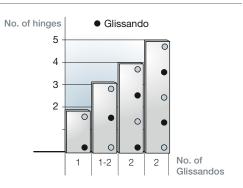


Place the striking plate into the hole on the hinge arm

Press down



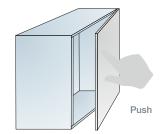
No additional drilling is required

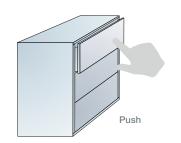


Recommended number per door and positioning

TeraBlack Push Latch

For wooden doors and drawers







Spring force [N] (released)
Spring force [N] (loaded)
and
and
selection of the selection of

Push Latch



with Linear mounting plate

with Bumper

Technical details

10 20 **915.0X59.383.00**10 20 **915.0X59.383.00.K2**

Push latch



Linear mounting plate

400 pcs	Made of steel and plastic

Fixing screws for mounting plate



Door adjustment

- · Effortless opening with just a light touch
- Depth adjustment ensures reliable closing and consistent performance in case of inaccurate drilling
- · 'Safety click' feature for easy detachment of the mechanism from its mounting plate

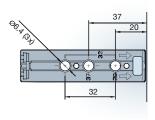


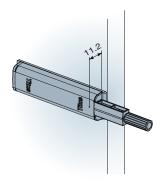
Depth adjustment +4.5/-1mm

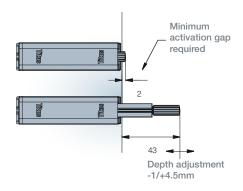
Mounting details

Dimensions

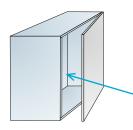
Depth adjustment



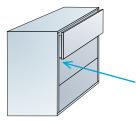




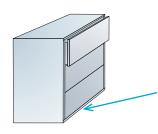
Positioning



Close to the 'touch opening point' on the side opposite to hinges

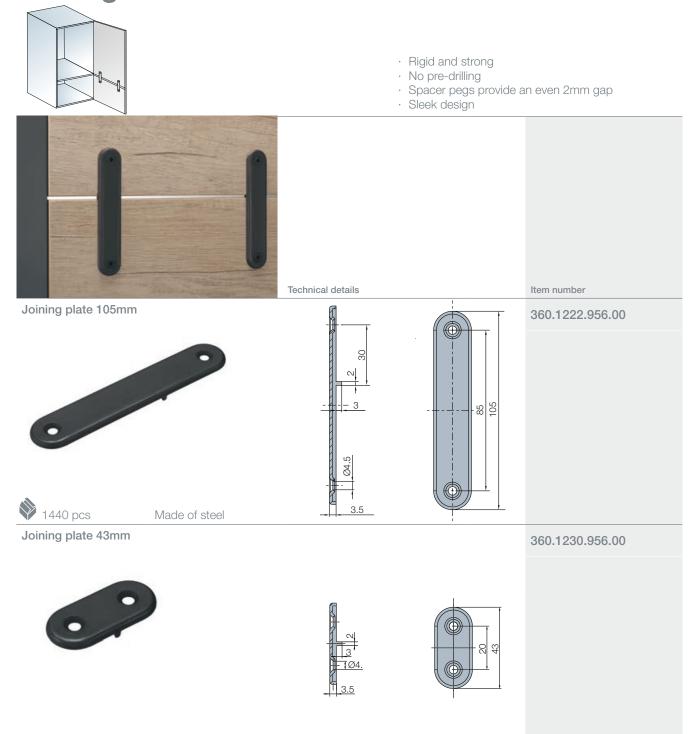


On the cabinet side; gap between drawer and cabinet side 12mm min



On the drawer bottom; in the middle of drawer

TeraBlack Joining Plates



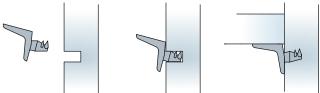
Fixing screws for mounting plates

2320 pcs



Made of steel

TeraBlack Shelf Supports





2000 pcs

Made of zinc



Slimline Drawers

- · Anthracite finish
- · Narrow 14mm sides
- · Integrated soft-close damping



Cutlery Organisation

- · Anthracite finish.
 - Modulr cutlery trays
 - Rigid cut-to-size non-slip mats



Kosara Bins & Hampers

- · Anthracite finish
- · Undermount runner system
- · Integrated soft-close damping



Quadra Innerware

- · Anthracite finish
- · Solid bases with non-slip mats
- · Integrated soft-close damping

When only dark will do, see it through...



Matt Black Handles

- · European inspired designs
- Knobs and handles to suit all kitchens and furniture



Doors and Panels

- · OptiMatt Premium Black
- · OptiMatt Anthracite
- · OptiMatt Midnight

Stefano Orlati



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