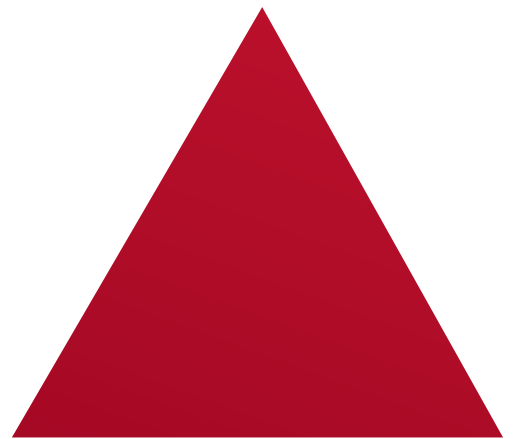


GRASS DRAWERS & HINGES

BROUGHT TO YOU BY HÄFELE





ERGONOMICS, EFFICIENCY AND AESTHETICS.

WE SIMPLY CALL IT FUNCTIONALITY.

Dear Valued Business Partner,

Welcome to Häfele Australia's Grass Drawer and Hinge catalogue.

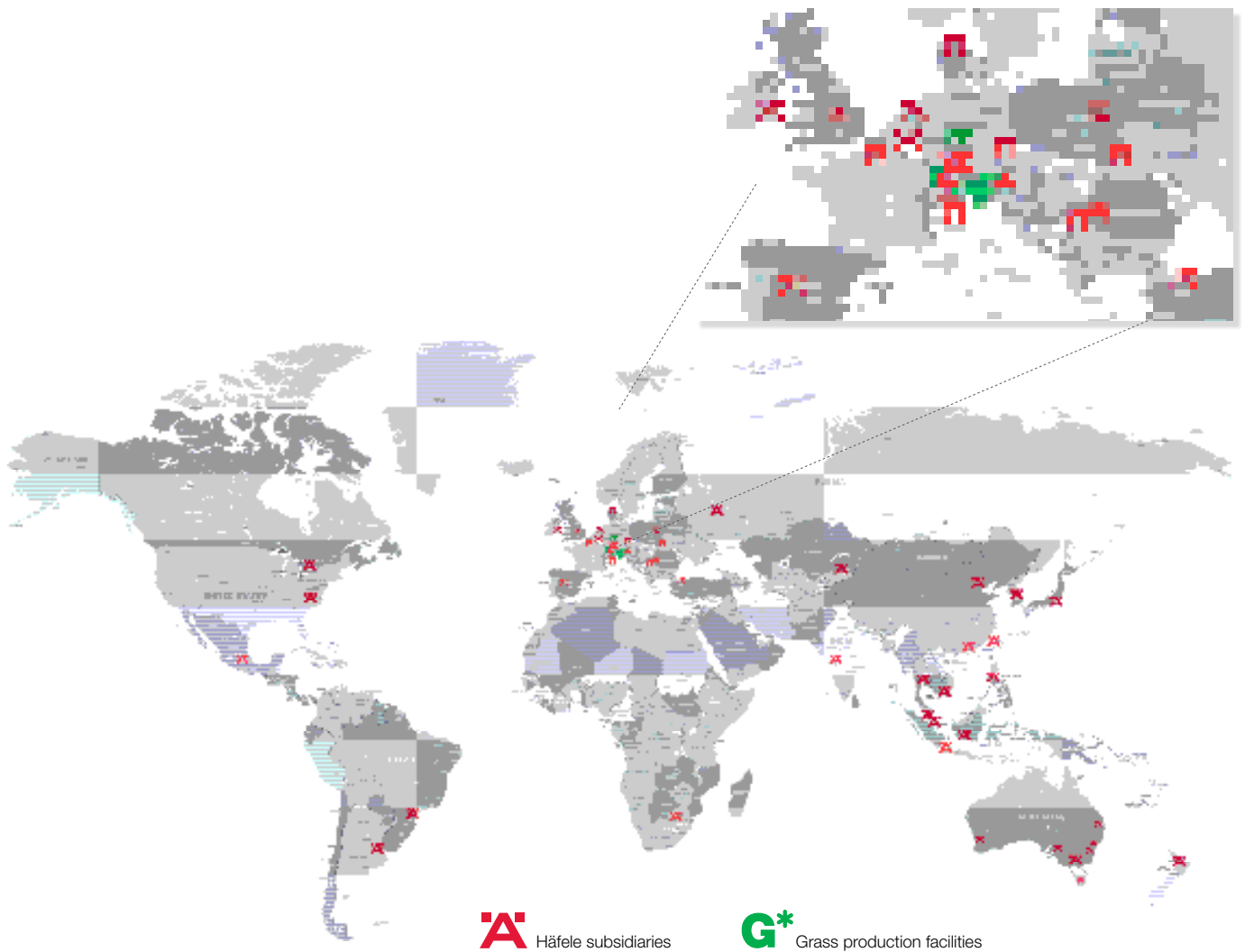
Since 2007, Häfele Australia have been proudly distributing the Grass product range throughout Australia, and together have developed a solid presence in the Australian market during this time. With this brand new catalogue, we are looking to further enhance the Häfele and Grass brands in Australia through the introduction of a number of new product innovations. If you're looking for the latest in drawer and hinge technology to use in your kitchen or furniture projects, then you need look no further than this catalogue.

If you would prefer to set your own agenda, rather than follow the lead of others, together Häfele Australia and Grass can help you to achieve this aim.

Sincerely,

Peter Farrugia
Managing Director
Häfele Australia Pty. Ltd.





MOVED BY GRASS, SUPPLIED BY HÄFELE. TWO BRANDS WORKING TOGETHER FOR HIGHLY FUNCTIONAL QUALITY.

Grass produce quality products, made exclusively in Austria and Germany, and are internationally successful, with more than 200 distributors around the globe. Grass hinge, runner and drawer systems are brand-name products which bring the furniture of renowned brands and exclusive cabinetmakers to life.

Together the Grass and Häfele brands stand for visionary product developments, top quality, technical precision, progressive design and exemplary protection of the environment.



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EVERYTHING YOU NEED ALL IN ONE PLACE

Häfele.com.au is the true one-stop shop for all of your kitchen hardware needs. With Australia's widest range of hardware fittings, from many of Europe's finest manufacturers, We have everything you need to make your next kitchen project something special.

TIOMOS HINGES



TIOMOS HINGES

IN MOST CASES A MASTERPIECE IS THE SUM TOTAL OF SMALL STROKES OF GENIUS



One Range To Cover All Applications.

Consistent design solutions are only possible when all kinds of door applications can be covered by a single hinge system.

The systematically extended Tiomos range provides perfect movement solutions for nearly all applications, with and without damping function.



Perfect Alignment With A Twist Of The Hand.

For fine adjustment, the Tiomos hinge system offers three movement dimensions: Depth adjustment by +3 / -2 millimetres; it is based on a worm gear principle and is continuous and self-locking; Height can be adjusted by +/- 2.5 millimetres; Overlay adjustment is +/- 2 millimetres with limit stop.

























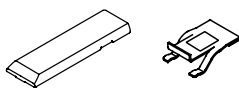

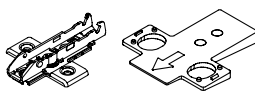
Another Stroke Of Genius Is The New Kinematics Inside Tiomos.

Thanks to physically optimised lever movements, furniture doors fitted with Tiomos are extremely easy to open. In addition, this unique kinematic mechanism makes unprecedented alignment possible with minimum gaps. These unique characteristics of the new hinge system are of special benefit to furniture designers because the reduction in gaps and reveals opens up new possibilities in furniture design.

One of the outstanding characteristics of the new Tiomos hinge system is the Soft-Close damper which can be adjusted in stages and which is fully concealed within the hinge arm. The complex inner workings of this high-tech hinge are hidden from view, much like a Swiss clock movement, and cannot fail to impress with their unique damping characteristics. The closing process in each movement phase is smooth and completely without transition, irrespective of the size and weight of the door.

TIOMOS HINGES

OVERVIEW

Opening angle / Application	Drill Hole	Description	Full overlay	Overlay	Half overlay	Inset	Page
110°	 35 mm	TIOMOS 110° Hinges • Optimum reveals for door thicknesses up to 24 mm					10 - 11
120°	 35 mm	TIOMOS 120° Hinges • Optimum reveals for door thickness up to 22 mm					12 - 13
160°	 35 mm	TIOMOS 160° Hinges • For cupboards with inset drawers and shelves • Door thicknesses up to 32 mm • Zero protrusion at 90° and above (full overlay and overlay only)					14 - 15
95°	 35 mm	Tiomos 95° Profile Hinges • Optimum reveals for door thicknesses up to 30 mm					16 - 17
Corner Door	 35 mm	Tiomos Corner Door Hinges • For connecting two corner cabinet doors, for door thicknesses up to 24 mm					18
Blind Panel	 35 mm	TIOMOS Blind Panel Hinges • Hinge for blind corner / blind panel application					19
Positive Angle 110°	 35 mm	TIOMOS 110/30°, 37°, 45° Hinges • For 30°, 37°, 45° angled cabinets					20 - 25
Negative Angle 120°	 35 mm	TIOMOS 120/-15°, -30°, -45° Hinges • For -15°, -30°, -45° angled cabinets					26 - 28
		Tiomos Accessories + Tipmatic • Hinge arm and hinge cover caps • Opening angle reduction clip • Tipmatic push to open accessories					29/34
For Thin/Ultra-Thin Doors	 35 mm	Tiomos M9 • For thin doors from 12 mm Tiomos M0 • For thin doors from 6 - 10 mm					30 - 33
		Tiomos Mounting Plates • Inline • Cruciform: 4 point fixing 2 point fixing • Wedge: +5° / -5°					35 - 37
		Technical Information					38 - 41

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

TIOMOS HINGE 110°

IMPRESSO MOUNTING (WITHOUT TOOLS)
OR KNOCK-IN



- > Features:

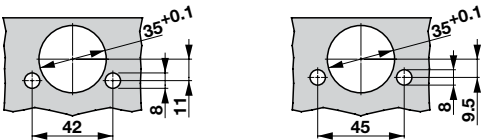
Optimum reveals for door thicknesses up to 24 mm
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
Suitable for doors up to 36 mm thick with angle reduction clip
- > Options:

With integrated damper (3 adjustable damping levels)
Without integrated damper
Without spring (push to open)
- > Material:

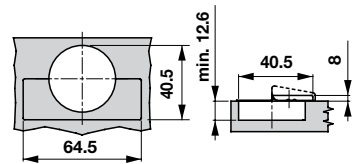
Cup: Steel, nickel plated
Arm: (Full overlay / Overlay): Steel, nickel plated
Arm: (Half overlay / Inset) Zinc, nickel plated
- > Drilling Pattern:

Impresso: Combination 45/9.5 and 42/11
Knock-in: 45/9.5

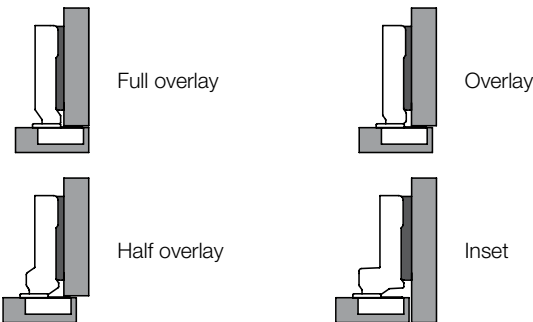
Drilling pattern



Cup dimensions



Versions



IMPRESSO MOUNTING (WITHOUT TOOLS)

Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.31.730
Without soft close		348.31.530
Without spring		348.31.330
Overlay		
With soft close	3	348.31.731
Without soft close		348.31.531
Without spring		348.31.331
Half overlay		
With soft close	9.5	348.31.732
Without soft close		348.31.532
Without spring		348.31.332
Inset		
With soft close	19	348.31.733
Without soft close		348.31.533
Without spring		348.31.333

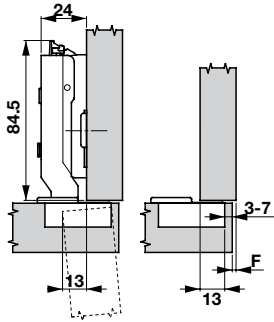
Packing: 150 pieces

KNOCK-IN

Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.31.810
Without soft close		348.31.610
Overlay		
With soft close	3	348.31.811
Without soft close		348.31.611
Half overlay		
With soft close	9.5	348.31.812
Without soft close		348.31.612
Inset		
With soft close	19	348.31.813
Without soft close		348.31.613

Packing: 150 pieces

Full Overlay K0

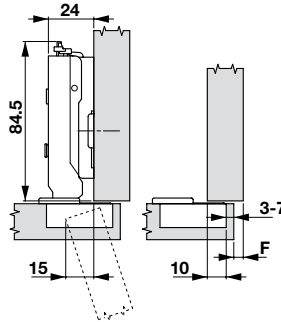


	Cup distance (mm)				
	3	4	5	6	7
22.0					0
21.0				0	
20.0			0		2
19.0		0		2	3
18.5					3.5
18.0	0		2	3	
17.5				3.5	
17.0		2	3		
16.5			3.5		
16.0	2	3			
15.5		3.5			
15.0	3				
14.5	3.5				

Door overlay (mm)

Mounting plate height

Overlay K3

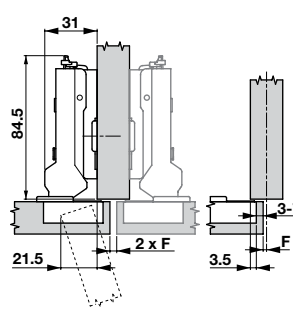


	Cup distance (mm)				
	3	4	5	6	7
19.0					0
18.0				0	
17.0			0		2
16.5					
16.0		0		2	3
15.5					3.5
15.0	0		2	3	
14.5				3.5	
14.0		2	3		
13.5			3.5		
13.0	2	3			
12.5		3.5			
12.0	3				
11.5	3.5				

Door overlay (mm)

Mounting plate height

Half Overlay K9.5

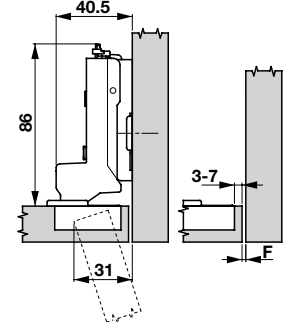


	Cup distance (mm)				
	3	4	5	6	7
12.5					0
11.5				0	
10.5			0		2
10.0					
9.5		0		2	3
9.0					3.5
8.5	0		2	3	
8.0				3.5	
7.5		2	3		
7.0			3.5		
6.5	2	3			
6.0		3.5			
5.5	3				
5.0	3.5				

Door overlay (mm)

Mounting plate height

Inset K19



	Cup distance (mm)				
	3	4	5	6	7
0.0		0		2	3
0.5					3.5
1.0	0		2	3	
1.5				3.5	
2.0		2	3		
3.0	2	3			
4.0	3				

Door reveal (mm)

Mounting plate height

(Set back mounting plate by door thickness + 1.5 mm)

Minimum Gap

	Cup distance (mm)				
	3	4	5	6	7
24.0	1.0	1.0	1.0	1.2	1.2
22.0	1.0	1.0	1.0	1.0	1.5
21.0	1.0	1.0	1.0	1.0	1.2
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Door thickness (mm)

Minimum gap

Minimum Reveal

	Cup distance (mm)				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Door thickness (mm)

Minimum reveal (F)

Minimum Reveal - 85° *

	Cup distance (mm)				
	3	4	5	6	7
36.0	11.1	10.3	9.7	9.1	8.5
30.0	5.4	4.8	4.4	4.3	4.2
28.0	3.7	3.6	3.5	3.4	3.3
26.0	2.9	2.8	2.8	2.7	2.6
24.0	2.2	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
16.0	0.6	0.6	0.6	0.6	0.6

Door thickness (mm)

Minimum reveal (F)

* When angle reduction clip is used



Note:

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hindrance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. For door thicknesses of 24 mm and above, a trial fitting is recommended.

TIOMOS HINGE 120°

IMPRESSO MOUNTING (WITHOUT TOOLS)



- > Features:

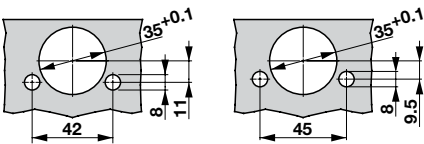
Optimum reveals for door thicknesses up to 22 mm
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
Suitable for doors up to 36 mm thick with angle reduction clip
- > Options:

With integrated damper (3 adjustable damping levels)
- > Material:

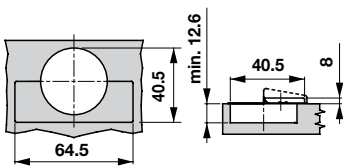
Cup: Steel, nickel-plated
Arm: Zinc, nickel-plated
- > Drilling Pattern:

Impresso: Combination 45/9.5 and 42/11

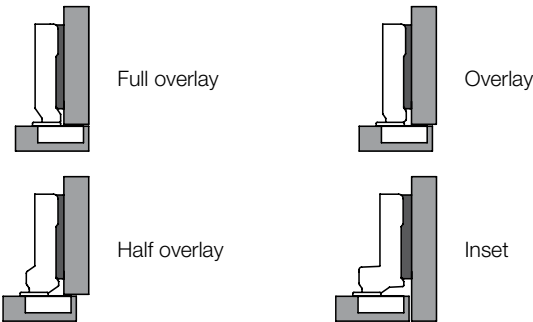
Drilling pattern



Cup dimensions



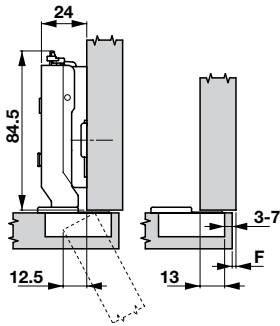
Versions



Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.36.730
Overlay		
With soft close	3	348.36.731
Half overlay		
With soft close	9.5	348.36.732
Inset		
With soft close	19	348.36.733

Packing: 150 pieces

Full Overlay K0

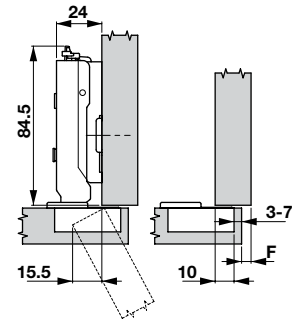


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
22.0					0
21.0				0	
20.0			0		2
19.0		0		2	3
18.5					3.5
18.0	0		2	3	
17.5				3.5	
17.0		2	3		
16.5			3.5		
16.0	2	3			
15.5		3.5			
15.0	3				
14.5	3.5				

Mounting plate height

Overlay K3

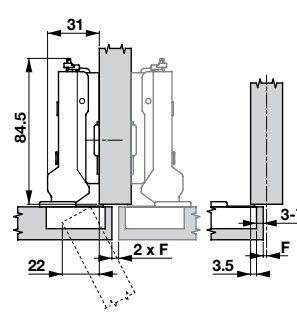


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
19.0					0
18.0				0	
17.0			0		2
16.5					
16.0		0		2	3
15.5					3.5
15.0	0		2	3	
14.5				3.5	
14.0		2	3		
13.5			3.5		
13.0	2	3			
12.5		3.5			
12.0	3				
11.5	3.5				

Mounting plate height

Half Overlay K9.5

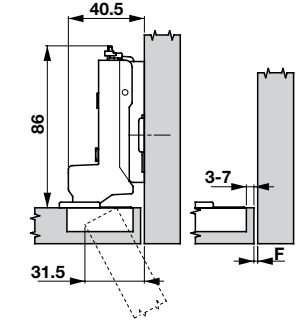


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
12.5					0
11.5				0	
10.5			0		2
10.0					
9.5		0		2	3
9.0					3.5
8.5	0		2	3	
8.0				3.5	
7.5		2	3		
7.0			3.5		
6.5	2	3			
6.0		3.5			
5.5	3				
5.0	3.5				

Mounting plate height

Inset K19



Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
0.0		0		2	3
0.5					3.5
1.0	0		2	3	
1.5				3.5	
2.0		2	3		
3.0	2	3			
4.0	3				

Door reveal (mm)

Mounting plate height
(Set back mounting plate by door thickness + 1.5 mm)

Minimum Gap

	Cup distance (mm)				
	3	4	5	6	7
24.0	1.0	1.0	1.0	1.2	1.2
22.0	1.0	1.0	1.0	1.0	1.5
21.0	1.0	1.0	1.0	1.0	1.2
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Minimum gap

Minimum Reveal

	Cup distance (mm)				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Minimum reveal (F)

Minimum Reveal - 85° *

	Cup distance (mm)				
	3	4	5	6	7
36.0	11.1	10.3	9.7	9.1	8.5
30.0	5.4	4.8	4.4	4.3	4.2
28.0	3.7	3.6	3.5	3.4	3.3
26.0	2.9	2.8	2.8	2.7	2.6
24.0	2.2	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
16.0	0.6	0.6	0.6	0.6	0.6

Minimum reveal (F)

* When angle reduction clip is used



Note:

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hindrance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. For door thicknesses of 24 mm and above, a trial fitting is recommended.

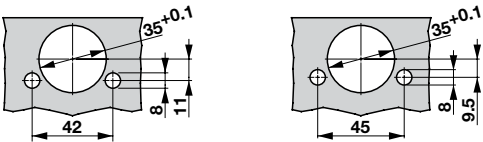
TIOMOS HINGE 160°

IMPRESSO MOUNTING (WITHOUT TOOLS)
OR KNOCK-IN

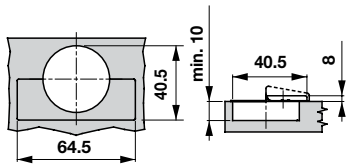


> Features:	Suitable for doors up to 32 mm thick Convenient depth adjustment via worm gear For cabinets with inset drawers or pull-out shelves due to zero protrusion feature (at 90°) 3-dimensional adjustment with appropriate mounting plate Minimum reveals
> Options:	With integrated damper (3 adjustable damping levels) Without integrated damper
> Material:	Zinc, nickel-plated
> Drilling Pattern:	Impresso: Combination 45/9.5 and 42/11 Knock-in: 45/9.5

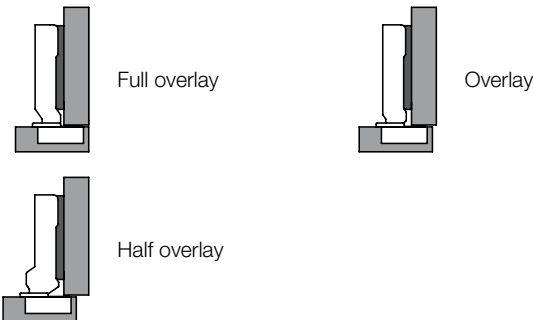
Drilling pattern



Cup dimensions



Versions



IMPRESSO MOUNTING (WITHOUT TOOLS)

Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.32.730
Without soft close		348.32.530
Overlay		
With soft close	3	348.32.731
Without soft close		348.32.531
Without spring		348.32.331
Half overlay		
With soft close	9.5	348.32.732
Without soft close		348.32.532

Packing: 150 pieces

KNOCK-IN

Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.32.810
Without soft close		348.32.610
Overlay		
With soft close	3	348.32.811
Without soft close		348.32.611
Half overlay		
With soft close	9.5	348.32.812
Without soft close		348.32.612

Packing: 150 pieces

TIOMOS PROFILE HINGE 95° FOR THICK DOORS

IMPRESSO MOUNTING (WITHOUT TOOLS)



- > Features:

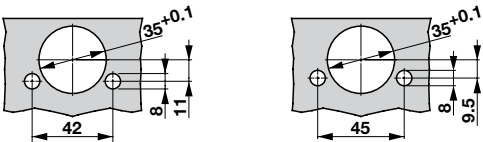
Optimum reveals for door thicknesses up to 30 mm
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
- > Options:

With integrated damper (3 adjustable damping levels)
Without integrated damper
- > Material:

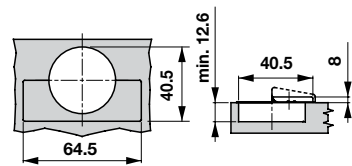
Cup: Steel, nickel-plated
Arm: (Full overlay / Overlay): Steel, nickel plated
Arm: (Half overlay / Inset) Zinc, nickel plated
- > Drilling Pattern:

Impresso: Combination 45/9.5 and 42/11

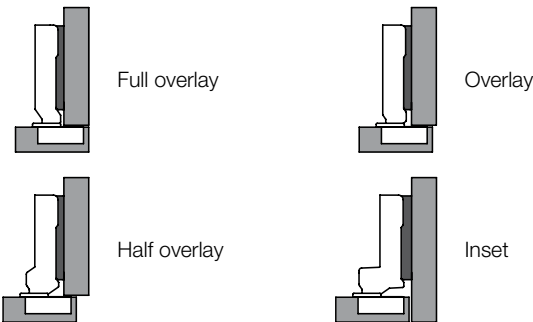
Drilling pattern



Cup dimensions



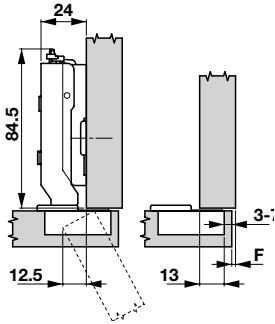
Versions



Version	Cranking (K)	Cat. No.
Full overlay		
With soft close	0	348.34.730
Without soft close		348.34.530
Overlay		
With soft close	3	348.34.731
Without soft close		348.34.531
Half overlay		
With soft close	9.5	348.34.732
Without soft close		348.34.532
Inset		
With soft close	19	348.34.733
Without soft close		348.34.533

Packing: 150 pieces

Full Overlay K0

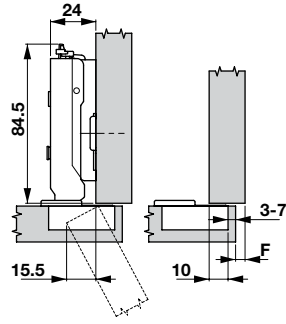


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
22.0					0
21.0				0	
20.0			0		2
19.0		0		2	3
18.5					3.5
18.0	0		2	3	
17.5				3.5	
17.0		2	3		
16.5			3.5		
16.0	2	3			
15.5		3.5			
15.0	3				
14.5	3.5				

Mounting plate height

Overlay K3

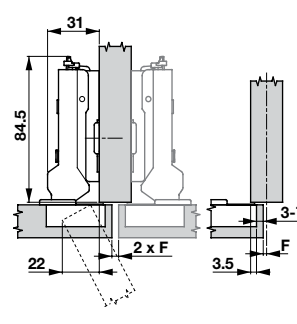


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
19.0					0
18.0				0	
17.0			0		2
16.5					
16.0		0		2	3
15.5					
15.0	0		2	3	
14.5				3.5	
14.0		2	3		
13.5			3.5		
13.0	2	3			
12.5		3.5			
12.0	3				
11.5	3.5				

Mounting plate height

Half Overlay K9.5

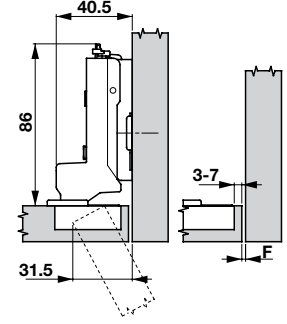


Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
12.5					0
11.5				0	
10.5			0		2
10.0					
9.5		0		2	3
9.0					3.5
8.5	0		2	3	
8.0				3.5	
7.5		2	3		
7.0			3.5		
6.5	2	3			
6.0		3.5			
5.5	3				
5.0	3.5				

Mounting plate height

Inset K19



Mounting plate height 2

	Cup distance (mm)				
	3	4	5	6	7
0.0		0		2	3
0.5					3.5
1.0	0		2	3	
1.5				3.5	
2.0		2	3		
3.0	2	3			
4.0	3				

Door reveal (mm)

Mounting plate height
(Set back mounting plate by door thickness + 1.5 mm)

Minimum Gap

	Cup distance (mm)				
	3	4	5	6	7
36.0	1.0	1.0	1.0	1.0	2.4
30.0	1.0	1.0	1.0	1.0	1.8
28.0	1.0	1.0	1.0	1.0	1.7
26.0	1.0	1.0	1.0	1.2	1.5
24.0	1.0	1.0	1.0	1.0	1.5
22.0	1.0	1.0	1.0	1.0	1.5
20.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Minimum gap

Minimum Reveal

	Cup distance (mm)				
	3	4	5	6	7
36.0	10.5	10.5	8.6	7.6	6.7
30.0	4.0	3.0	2.5	1.9	2.4
28.0	2.0	1.5	1.5	1.3	1.3
26.0	0.1	0.1	0.1	0.1	0.1
24.0	0.6	0.6	0.6	0.6	0.6
22.0	0.5	0.5	0.5	0.5	0.5
20.0	0.3	0.3	0.3	0.3	0.3
18.0	0.2	0.2	0.2	0.2	0.2
16.0	0.2	0.2	0.2	0.2	0.2

Door thickness (mm)

Minimum reveal



Note:

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hindrance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. For door thicknesses of 24 mm and above, a trial fitting is recommended.

TIOMOS CORNER DOOR HINGE

KNOCK-IN OR SCREW-ON



- > Features:

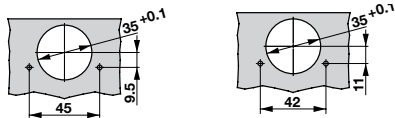
For connecting two corner cabinet doors
For door thicknesses up to max. 24 mm
(factory setting is for 19 mm door thickness
with 3.5 mm cup distance)
35 mm full cup drilled hole
Low cup depth of 11.8 mm
3-dimensional adjustment with appropriate
mounting plate
Without integrated damper
- > Material:

Zinc, nickel-plated
- > Drilling Pattern:

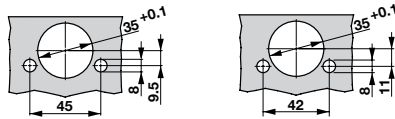
Knock-in: 45/9.5 or 42/11
Screw-on: 45/9.5 or 42/11

Drilling pattern

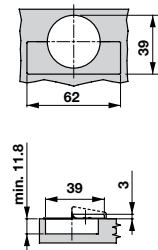
Screw-on



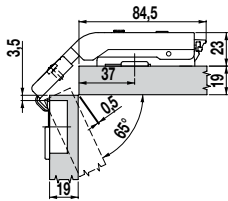
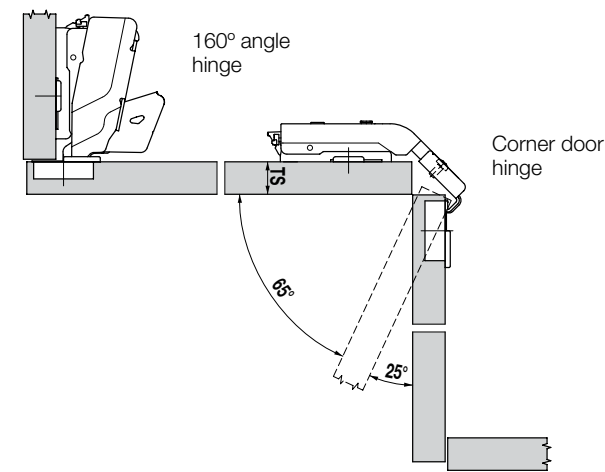
Knock-in



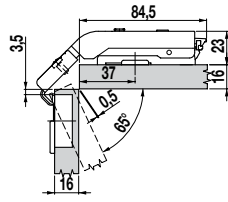
Cup dimensions



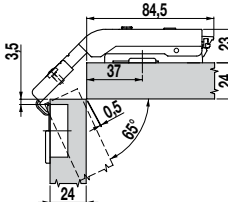
Installation information



19 mm door thickness
(factory setting)
Mounting plate height 0



16 mm door thickness
Mounting plate height 0



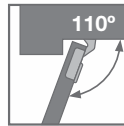
24 mm door thickness
Mounting plate height 0

Version	Cat. No.
45/9.5 Drilling pattern	
Screw-on	348.29.600
Knock-in	348.29.650
42/11 Drilling pattern	
Screw-on	348.29.620
Knock-in	348.29.670

Packing: 150 pieces

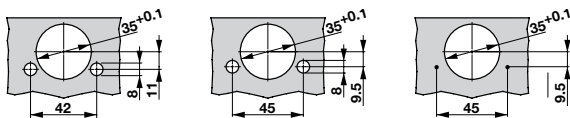
TIOMOS BLIND PANEL HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)
OR SCREW-ON

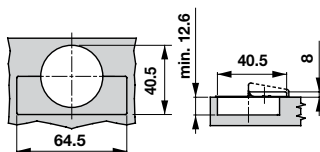


- > **Features:** Hinge for blind corner constructions
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
- > **Options:** Minimum reveals
With integrated damper (3 adjustable damping levels)
Without integrated damper
Without spring
- > **Material:** Cup: Steel nickel-plated
Arm: Zinc, nickel-plated
- > **Drilling Pattern:** Impresso: Combination 45/9.5 and 42/11
Knock-in: 45/9.5

Drilling pattern



Cup dimensions

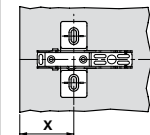
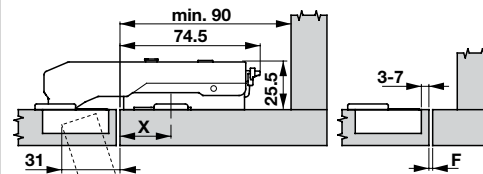


Minimum reveal (F)

	Cup distance (mm)				
	3	4	5	6	7
Door thickness (mm)					
24.0	2.1	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

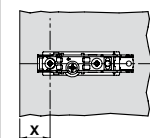
Minimum reveal (F)

Installation information



Drilling dist. (X)	Cup distance (mm)			
	4	5	6	7
28.0	1	0		
27.0	2	1	0	
26.0	3	2	1	0

Door reveal



Drilling dist. (X)	Cup distance (mm)			
	4	5	6	7
11.0	1	0		
10.0	2	1	0	
9.0	3	2	1	0

Door reveal

IMPRESSO MOUNTING (WITHOUT TOOLS)

Version	Cat. No.
Inset	
With soft close	348.37.730
Without soft close	348.37.530

Packing: 150 pieces

SCREW-ON

Version	Cat. No.
Inset	
Without spring	348.37.400

Packing: 150 pieces



Note:

Minimum reveal for doors with bevelled edges with radius of 1mm. Use mounting plate height 3 to ensure that door is flush fitting. Hinge dimensions and reveal calculation based on factory setting. Door protrudes inwards when fully opened.

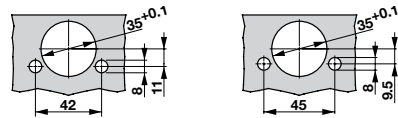
TIOMOS + 30° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)

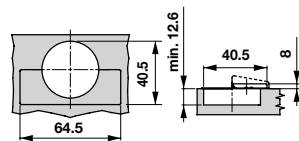


> Features:	For 30° angled cabinets Convenient depth adjustment via worm gear 3-dimensional adjustment with appropriate mounting plate Minimum reveals
> Options:	With integrated damper (3 adjustable damping levels) Without integrated damper
> Material:	Cup: Steel nickel-plated Arm: Zinc, nickel-plated
> Drilling Pattern:	Impresso: Combination 45/9.5 and 42/11

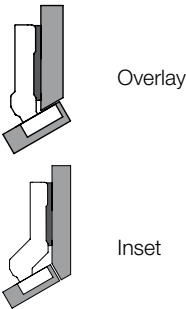
Drilling pattern



Cup dimensions



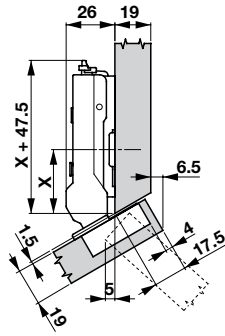
Versions



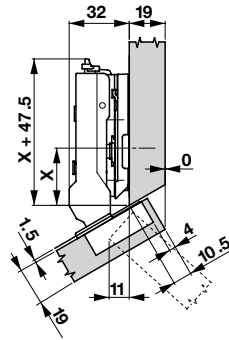
Version	Cat. No.
Overlay	
With soft close	348.35.731
Without soft close	348.35.531
Inset	
With soft close	348.35.732
Without soft close	348.35.532

Packing: 150 pieces

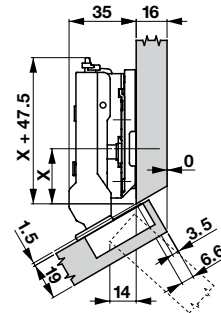
Overlay



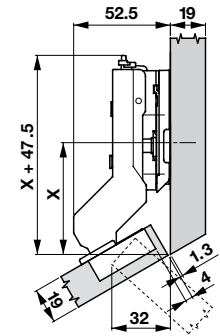
Mounting plate height 0



Mounting plate height 6



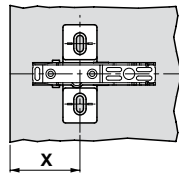
Mounting plate height 9



Mounting plate height 9

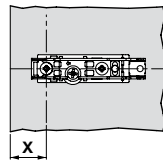
Door overlay (mm)	Cup distance (mm)				
	3	4	5	6	7
20.5					0
19.5				0	
18.5			0		2
17.5		0		2	3
16.5	0				3.5
16.0			2	3	
15.5				3.5	
15.0		2	3		
14.5			3.5		
14.0	2	3			
13.5		3.5			
13.0	3				
12.5	3.5			6	
11.5			6		
10.5		6			

Mounting plate height



	Cup distance (mm)				
	3	4	5	6	7
X	34.0	33.0	32.0	32.0	30.5

Cross mounting plate position (X)



	Cup distance (mm)			
	3	4	5	6
X	17.0	16.0	15.0	15.0

Linear mounting plate position (X)

Door overlay (mm)	Cup distance (mm)				
	3	4	5	6	7
22	9.5			12	
21	9				
20					12
19	8	9	9.5		
18		8	9		
17				9.5	
16			8		9.5
15	6				9

Door thickness (mm)	X	Cup distance (mm)				
		3	4	5	6	7
22		63.5			61.5	
21						
20			61.5			60.0
19			61.0	60.0		
18			59.0	59.0		
17					58.0	
16				57.5		56.5
15		57.5				55.5

Minimum Gap

Door thickness (mm)	Cup distance (mm)				
	3	4	5	6	7
24.0	1.0	1.0	1.0	1.2	2.1
22.0	1.0	1.0	1.0	1.0	1.5
21.0	1.0	1.0	1.0	1.0	1.2
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Minimum gap

Minimum Reveal

Door thickness (mm)	Cup distance (mm)				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Minimum reveal

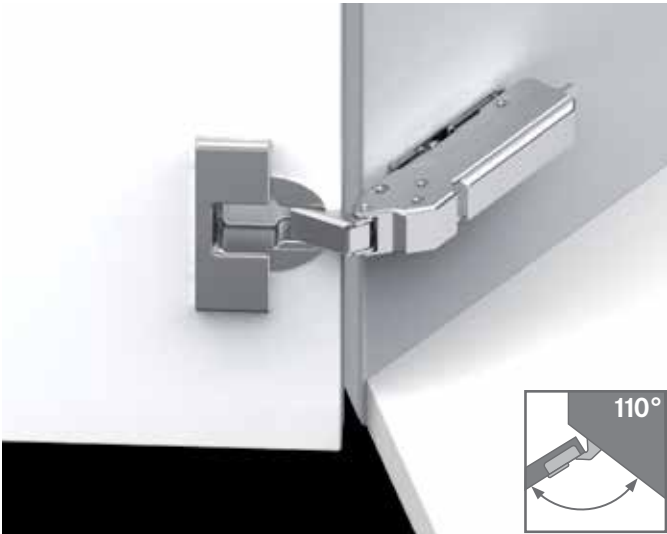
(24 mm door thickness is only suitable for overlay hinge)

Note:

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hindrance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1 mm. Minimal reveal is required for door thicknesses up to 28 mm. From 29 mm door thickness, we recommend a trial fitting.

TIOMOS + 37° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)



- > Features:

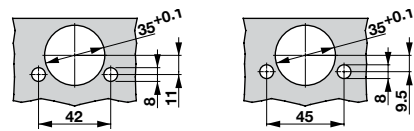
For 37° angled cabinets
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
Minimum reveals
- > Options:

With integrated damper (3 adjustable damping levels)
Without integrated damper
- > Material:

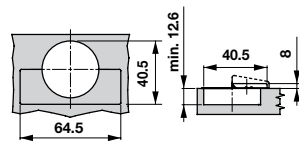
Cup: Steel nickel-plated
Arm: Zinc, nickel-plated
- > Drilling Pattern:

Impresso: Combination 45/9.5 and 42/11

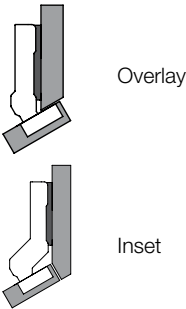
Drilling pattern



Cup dimensions



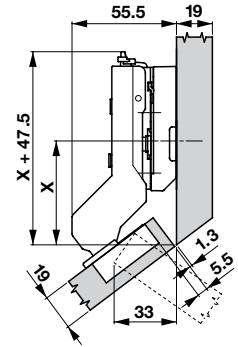
Versions



Version	Cat. No.
Overlay	
With soft close	348.35.733
Without soft close	348.35.533
Inset	
With soft close	348.35.734
Without soft close	348.35.534

Packing: 150 pieces

Inset



Mounting plate height 12

Linear mounting plate position (X)

Linear mounting plate position (X)

	Cup distance (mm)				
	3	4	5	6	7
22	59.0		57.5		56.5
21		57.5		56.5	
20			56.5		55.0
19				55.0	
18	56.0				
17		54.5			
16	54.5	54.0	53.0		
15		53.0	52.5		

Mounting plate position

Minimum Reveal

	Cup distance (mm)				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Minimum reveal

(24 mm door thickness is only suitable for overlay hinge)



Note. The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hinderance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. Hinge dimensions and reveal calculation based on factory setting.

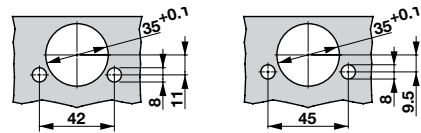
TIOMOS + 45° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)

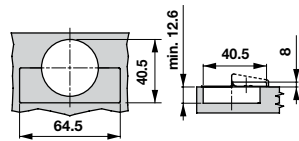


> Features:	For 45° angled cabinets Convenient depth adjustment via worm gear 3-dimensional adjustment with appropriate mounting plate Minimum reveals
> Options:	With integrated damper (3 adjustable damping levels) Without integrated damper
> Material:	Cup: Steel nickel-plated Arm: Zinc, nickel-plated
> Drilling Pattern:	Impresso: Combination 45/9.5 and 42/11

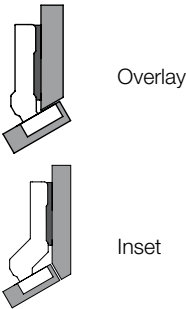
Drilling pattern



Cup dimensions



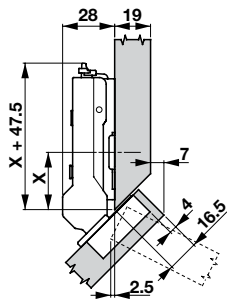
Versions



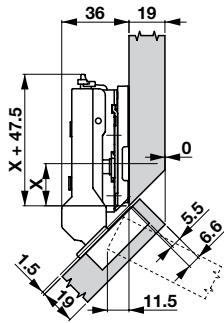
Version	Cat. No.
Overlay	
With soft close	348.35.735
Without soft close	348.35.535
Inset	
With soft close	348.35.736
Without soft close	348.35.536

Packing: 100 pieces

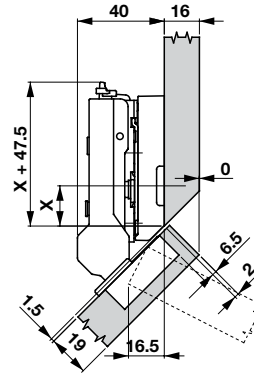
Overlay



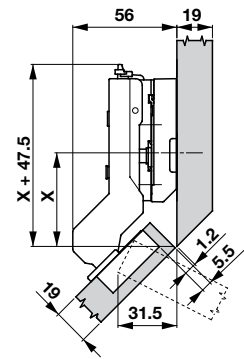
Mounting plate height 0



Mounting plate height 8



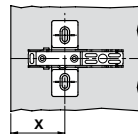
Mounting plate height 15



Mounting plate height 14

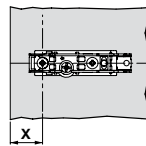
	Cup distance (mm)				
	3	4	5	6	7
19.5					0
19.0					
18.5				0	
18.0					
17.5			0		
17.0					
16.5		0			2
16.0					
15.5	0			2	
15.0					3
14.5			2		3.5
14.0				3	
13.5		2		3.5	
13.0			3		
12.5	2		3.5		
12.0		3			
11.0	3				6
10.0				6	

Mounting plate height



Cup distance (mm)					
	0	2	3	3.5	6
X	30.5	28.5	27.5	27.0	24.5

Cross mounting plate position (X)



Cup distance (mm)				
	0	2	3	3.5
X	13.5	11.5	10.5	10.0

Linear mounting plate position (X)

	Cup distance (mm)				
	3	4	5	6	7
22		15.5			
21	14		15		
20			14	15	15.5
19	12			15	15
18		12			14
17			12		
16				12	
15	9				12

Door overlay (mm)

Mounting plate height

	X	Cup distance (mm)				
		3	4	5	6	7
22		59.0		57.5		56.5
21			57.5		56.5	
20				56.5		55.0
19					55.0	
18	56.0					
17		54.5				
16	54.5	54.0	53.0			
15		53.0	52.5			

Door thickness (mm)

Mounting plate position

Minimum Gap

	Cup distance (mm)				
	3	4	5	6	7
24.0	1.0	1.0	1.0	1.2	2.1
22.0	1.0	1.0	1.0	1.0	1.5
21.0	1.0	1.0	1.0	1.0	1.2
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0

Minimum gap

Minimum Reveal

	Cup distance (mm)				
	3	4	5	6	7
24.0	2.4	2.1	2.1	2.1	2.0
22.0	1.6	1.6	1.6	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	0.6	0.6	0.6	0.6	0.6
16.0	0.6	0.6	0.6	0.6	0.6

Minimum reveal (F)

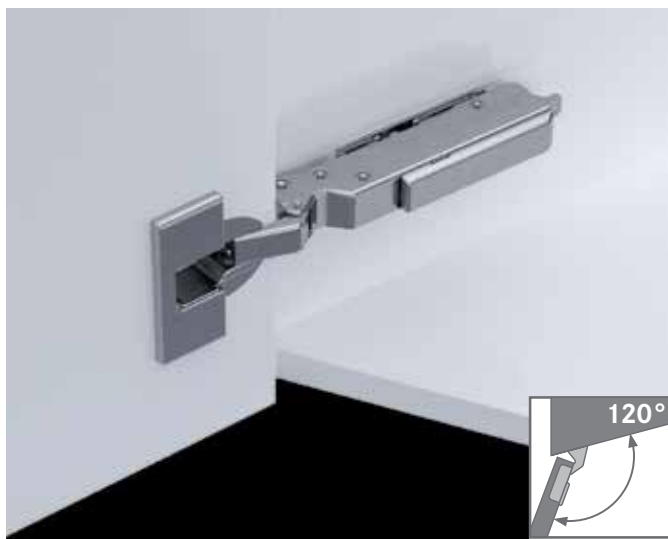


Note:

The minimum gap is the clearance required between the front edge of the cabinet and the closed door so that the door can open without hinderance. Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. From 22 mm door thickness and above, we recommend a trial fitting.

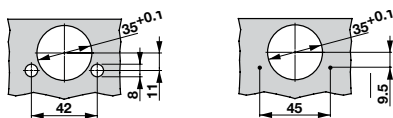
TIOMOS - 15° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)

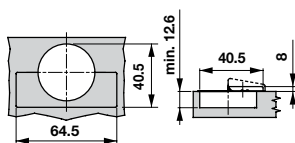


- > **Features:** For -15° angled cabinets
Opening angle 120°
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
- > **Options:** Minimum reveals
With integrated damper (3 adjustable damping levels)
Without integrated damper
- > **Material:** Cup: Steel nickel-plated
Arm: Zinc, nickel-plated
- > **Drilling Pattern:** Impresso: Combination 45/9.5 and 42/11

Drilling pattern

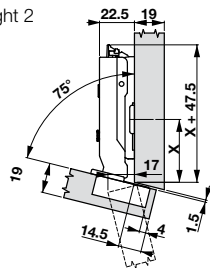
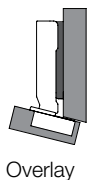


Cup dimensions



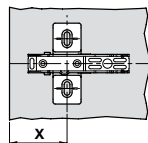
Overlay

Mounting plate height 2



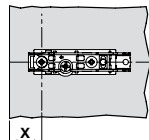
Installation information

Dimensions for cruciform mounting plates fixing distance 37 mm



Mounting plate height (mm)					
	0	2	3	3.5	6
X	40	40.5	40.5	41	41.5

Dimensions for linear mounting plates



Mounting plate height (mm)				
	0	2	3	3.5
X	23	23.5	23.5	24

	Cup distance (mm)				
	3	4	5	6	7
18.0					0
17.0				0	
16.0			0		
15.0		0			
14.5				2	3
14.0	0				3.5
13.5			2	3	
13.0				3.5	
12.5		2	3		
12.0			3.5		
11.5		3			6
11.0		3.5			
10.5	3			6	
10.0	3.5				
9.5			6		
8.5		6			

Mounting plate height

	Cup distance (mm)				
	3	4	5	6	7
24.0	6.4	5.4	4.4	3.4	2.4
22.0	3.0	2.0	1.5	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	1.0	1.0	1.0	1.0	1.5
16.0	1.0	1.0	1.0	1.0	1.0

Door thickness (mm)

Minimum reveal (F)

Version	Cat. No.
Overlay	
With soft close	348.35.737
Without soft close	348.35.537

Packing: 100 pieces



Note:

Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. We recommend a trial fitting.

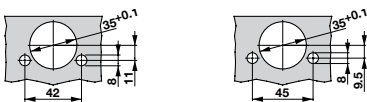
TIOMOS - 30° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)

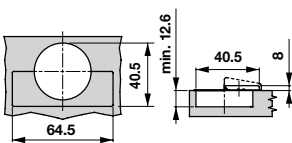


- > **Features:** For -30° angled cabinets
Opening angle 120°
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
- > **Options:** Minimum reveals
With integrated damper (3 adjustable damping levels)
Without integrated damper
- > **Material:** Cup: Steel nickel-plated
Arm: Zinc, nickel-plated
- > **Drilling Pattern:** Impresso: Combination 45/9.5 and 42/11

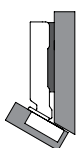
Drilling pattern



Cup dimensions

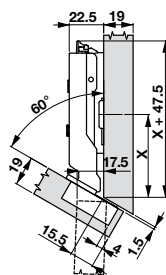


Overlay



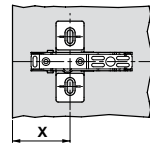
Overlay

Mounting plate height 2



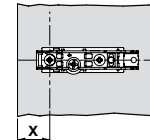
Installation information

Dimensions for cruciform mounting plates fixing distance 37 mm



Mounting plate height (mm)					
	0	2	3	3.5	6
X	53.5	55	55.5	55.5	57

Dimensions for linear mounting plates



Mounting plate height (mm)				
	0	2	3	3.5
X	36.5	38	38.5	38.5

	Cup distance (mm)				
	3	4	5	6	7
19.0					0
18.0				0	
17.0			0		
16.5					2
16.0		0			
15.5				2	
15.0	0				3
14.5			2		3.5
14.0				3	
13.5		2		3.5	
13.0			3		6
12.5	2		3.5		
12.0		3			6
11.5		3.5			
11.0	3			6	
10.5	3.5				
10.0			6		
9.0		6			
8.0	6				

Mounting plate height

	Cup distance (mm)				
	3	4	5	6	7
24.0	6.4	5.4	4.4	3.4	2.4
22.0	3.0	2.0	1.5	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	1.0	1.0	1.0	1.0	1.5
16.0	1.0	1.0	1.0	1.0	1.0

Door thickness (mm)

Minimum reveal (F)

Version	Cat. No.
Overlay	
With soft close	348.35.738
Without soft close	348.35.538

Packing: 100 pieces

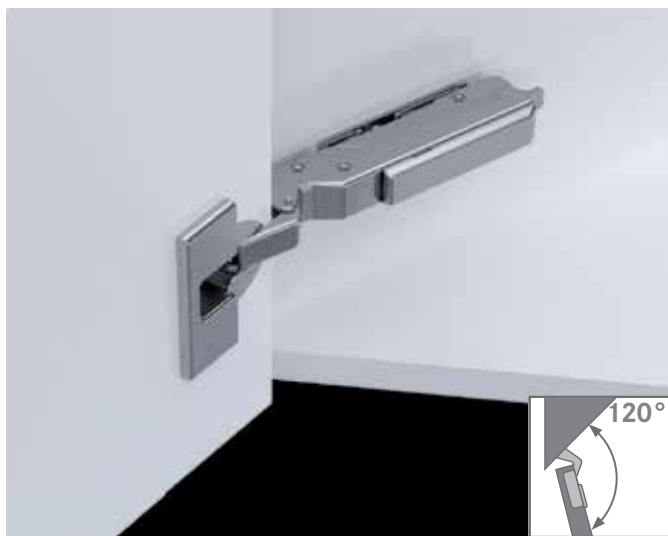


Note:

Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. We recommend a trial fitting.

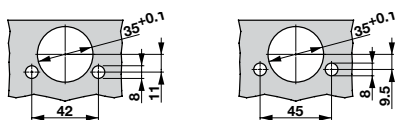
TIOMOS - 45° CORNER ANGLE HINGE

IMPRESSO MOUNTING (WITHOUT TOOLS)

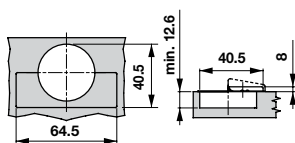


- > **Features:** For -45° angled cabinets
Opening angle 120°
Convenient depth adjustment via worm gear
3-dimensional adjustment with appropriate mounting plate
Minimum reveals
- > **Options:** With integrated damper (3 adjustable damping levels)
Without integrated damper
- > **Material:** Cup: Steel nickel-plated
Arm: Zinc, nickel-plated
- > **Drilling Pattern:** Impresso: Combination 45/9.5 and 42/11

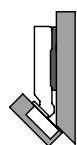
Drilling pattern



Cup dimensions

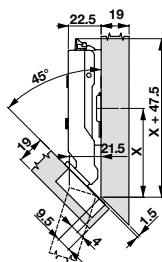


Overlay



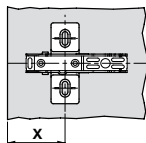
Overlay

Mounting plate height 2



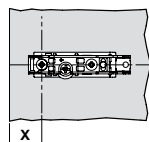
Installation information

Dimensions for cruciform mounting plates fixing distance 37 mm



Mounting plate height (mm)					
	0	2	3	3.5	6
X	60.5	62.5	63.5	64	66.5

Dimensions for linear mounting plates



Mounting plate height (mm)				
	0	2	3	3.5
X	43.5	45.5	46.5	47

	Cup distance (mm)				
	3	4	5	6	7
12.0				0	
11.5				0	
10.5			0		
9.5		0		2	
8.5	0			2	
8.0				3	
7.5			2	3.5	
7.0				3	
6.5		2		3.5	
6.0			3		
5.5	2		3.5		
5.0		3			
4.5		3.5			
4.0	3				6
3.5	3.5				
3.0				6	
2.0			6		
1.0		6			
0.0	6				

Mounting plate height

	Cup distance (mm)				
	3	4	5	6	7
24.0	6.4	5.4	4.4	3.4	2.4
22.0	3.0	2.0	1.5	1.5	1.5
21.0	1.4	1.3	1.3	1.3	1.3
20.0	1.1	1.1	1.1	1.1	1.1
19.0	0.9	0.9	0.9	0.9	0.9
18.0	0.7	0.7	0.7	0.7	0.7
17.0	1.0	1.0	1.0	1.0	1.5
16.0	1.0	1.0	1.0	1.0	1.0

Door thickness (mm)

Minimum reveal (F)

Version	Cat. No.
Overlay	
With soft close	348.35.739
Without soft close	348.35.539


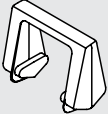
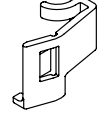
Packing: 100 pieces



Note:

Minimum reveal dimensions based on doors with bevelled edges with radius of 1mm. We recommend a trial fitting.

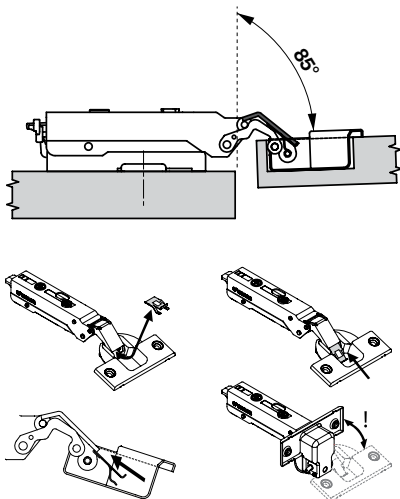
TIOMOS ACCESORIES

		Cat. No.
	Opening angle reduction clip 85° Can be used for all standard 110° and 120° Tiomos hinges. Prevents the door from colliding with kitchen unit fronts or walls (when fitted at corners). Easy fitting without tools. Steel, without nickel-plating.	348.40.010
	Opening angle reduction clip 120° Can be used for all Tiomos 160° wide angle hinges. Prevents the door from colliding with kitchen unit fronts or walls (when fitted at corners). Easy fitting without tools. Plastic, black.	348.40.011
	Clip protection device Prevents the accidental unclipping of the hinge from the mounting plate. Easy installation without tools Plastic, grey.	348.40.015

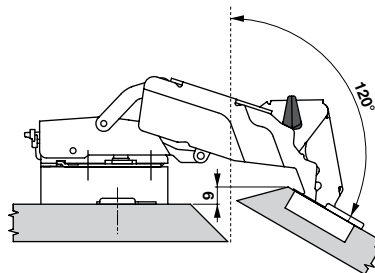
Packing: 500 pieces

Assembly instructions

Opening angle reduction clip 85°

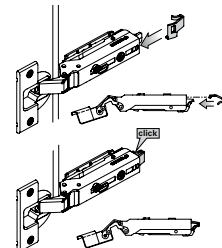


Opening angle reduction clip 120°

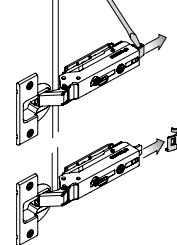


Clip protection device

Assembly



Removal



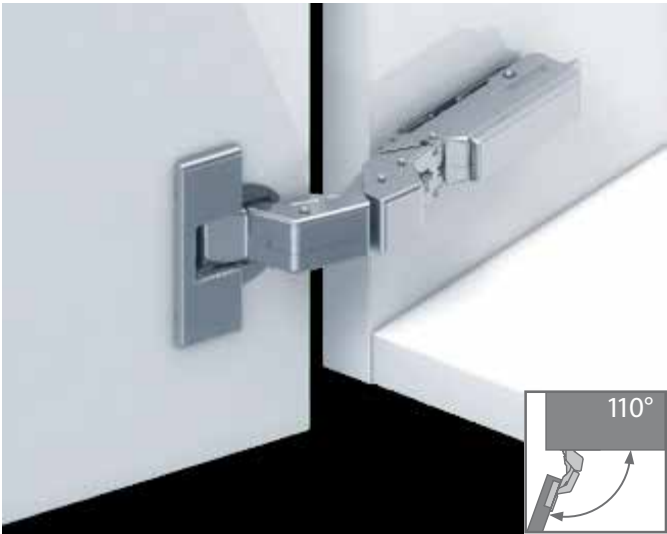
COVER CAPS

	Version	Cranking	Cat. No.
	Hinge arm cover cap Steel, nickel-plated	0, 3, 9.5, 19 mm	348.40.000
	Hinge cup cover cap Steel, nickel-plated	—	348.40.001

Packing: 100 pieces

TIOMOS - M9 THIN DOOR HINGE (FROM 12 MM)

SCREW-ON



- > Features:

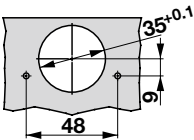
For door thicknesses from 12 mm to 28 mm
Low cup depth of 9 mm
For door overlays up to 25 mm
3D adjustment with appropriate mounting plate
- > Options:

With integrated damper (3 adjustable damping levels)
Without integrated damper
Without spring (push to open)
- > Material:

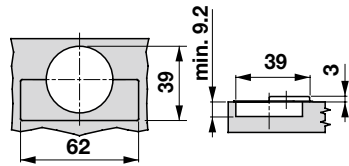
Zinc, nickel plated
- > Drilling pattern:

Screw-on: 48/9

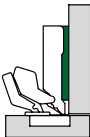
Drilling pattern



Cup dimensions



Overlay



SCREW-ON

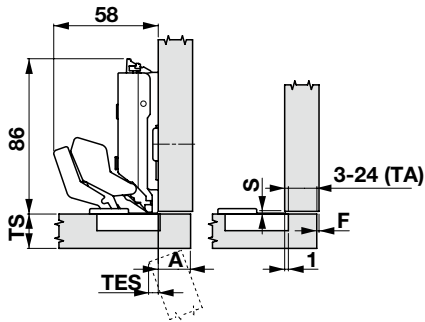
Version	Cat. No.
Overlay	
With soft close	348.30.840
Without soft close	348.30.640
Without spring	348.30.440

Packing: 50 pieces



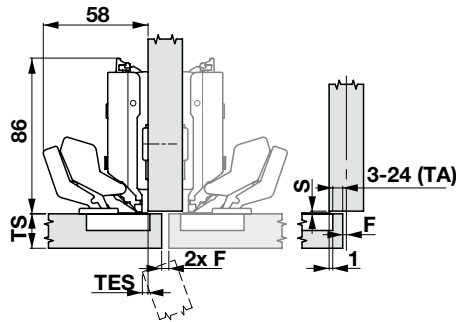
Note:
Can only be purchased in full pack quantities

Overlay



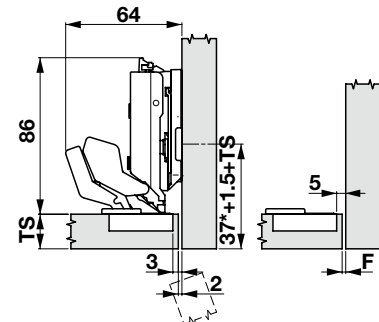
Mounting plate height 0

Half Overlay



Mounting plate height 0

Inset



Mounting plate height 6

Minimum Gap/Reveal

Cup distance (TA)		3		4		5		6		7		8		9		10		11		12		13	
Door protrusion (TES)		0.8		1.1		1.5		1.8		2.2		2.5		2.9		3.2		3.5		3.9		4.2	
Door overlay (A)		4		5		6		7		8		9		10		11		12		13		14	
Door thickness (TS)	Min. reveal (F) / gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
	12 - 20	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5
	22	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1.7	1.5	4	1.5
	24	1	1.5	1.2	1.5	1.3	1.5	1.5	1.5	1.7	1.5	2	1.5	2.4	1.3	3.3	1.5	8.3	1.5	7.7	1.5	6.9	1.5
	26	2.2	1.5	2.4	1.5	2.7	1.5	3.1	1.5	3.6	1.5	4.7	1.5	12	1.5	11.8	1.5	10.9	1.5	9.9	1.5	8.9	1.5
	28	3.9	1.5	4.3	1.5	5.1	1.5	6.3	1.5	16	1.5	16	1.5	15	1.5	14	1.5	13	1.5	12	1.5	11	1.5

Cup distance (TA)		14		15		16		17		18		19		20		21		22		23		24	
Door protrusion (TES)		4.6		4.9		5.3		5.6		5.9		6.3		6.6		7		7.3		7.6		8	
Door overlay (A)		15		16		17		18		19		20		21		22		23		24		25	
Door thickness (TS)	Min. reveal (F) / gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
	12 - 20	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	1.5	1	2	1	2	1	2	1	2
	22	4	1.5	3.5	1.5	3	1.5	2.2	1.5	1.7	1.5	1.3	1.5	1	1.5	1	2	1	2	1	2	1	2
	24	6	1.5	5.2	1.5	4.5	1.5	4	1.5	3.3	1.5	3	1.5	2.5	1.5	2.1	1.5	1.9	2	1.6	2	1.5	2
	26	8	1.5	7.2	1.5	6.4	1.5	5.8	1.5	5.1	1.5	4.6	1.5	4.1	1.5	3.7	1.5	3.3	2	3	2	.6	2
	28	10	1.5	9.2	1.5	8.4	1.5	7.6	1.5	6.9	1.5	6.4	1.5	5.8	1.5	5.3	1.5	4.9	2	4.5	2	4.2	2



Note:

- > Minimum reveal for doors with chamfered edges (R = 1 mm) set at factory settings.
- > Trial fitting is recommended for all door thicknesses.

TIOMOS - M0 ULTRA THIN DOOR HINGE (FROM 6 TO 10 MM)

SCREW-ON



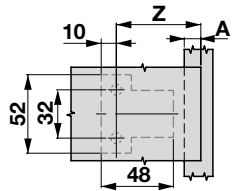
- > Features:

For door thicknesses from 6 mm to 10 mm
No cup hole necessary
For door overlays up to 25 mm
Compatible with all Tiomos mounting plates
Zero protrusion with up to 14 mm overlay
125° opening angle
- > Options:

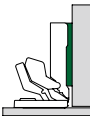
With integrated damper (3 adjustable damping levels)
Without integrated damper
Without spring (push to open)
- > Material:

Zinc, nickel plated

Drilling pattern



Overlay



SCREW-ON

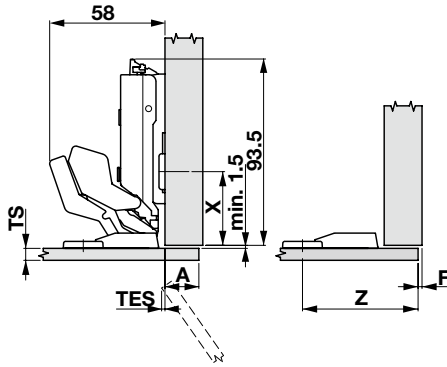
Version	Cat. No.
Overlay	
With soft close	348.27.801
Without soft close	348.27.601
Without spring	348.27.401

Packing: 50 pieces



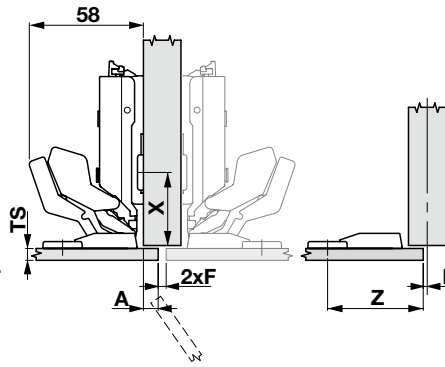
Note:
Can only be purchased in full pack quantities

Overlay



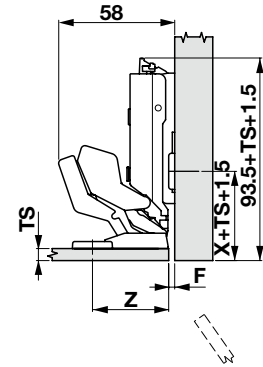
Mounting plate height 0

Half Overlay



Mounting plate height 0

Inset

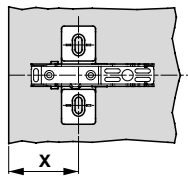


Mounting plate height 0

Minimum Gap/Reveal

Cup distance (TA)	38		39		47		49		51		53		55		56		58		60	
Door protrusion (TES)	0		0		0		0		0		0		0		0.5		1.5		3	
Door overlay (A)	-3		-2		6		8		10		12		14		15		17		19	
Min. reveal (F) / gap (S)	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S	F	S
Door thickness 6 - 10 (TS)	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5	2	1.5

Cross Mounting Plate

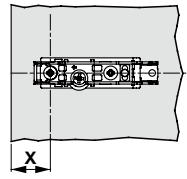


Hole spacing

	Mounting plate height 0
28	37
37	46

Mounting plate position (X)

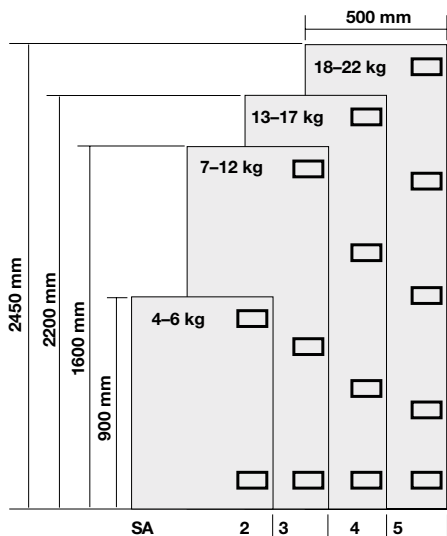
Linear Mounting Plate



	Mounting plate height 0
X	29

Mounting plate position (X)

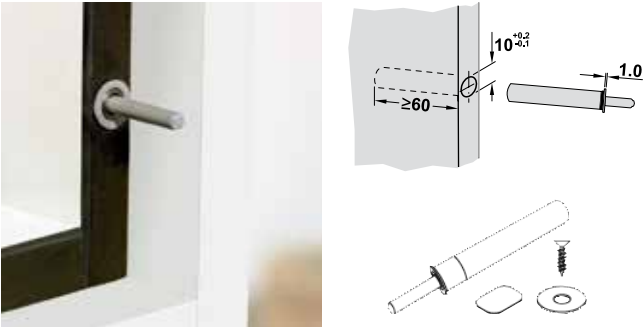
No. of Hinges



Note:

- > An inset application is achieved with the mounting plate (X) and a low housing screwing distance (Z).
- > Installation advice: Depending on the type and thickness of the base material the pull-out resistances can vary with the same fastening method. For information regarding the selection and processing of the base material please contact the base material supplier.
- > Liability claims: Please note that Grass cannot accept any liability for damage resulting from unsuitable fastening materials or methods.

TIPMATIC PUSH CATCH
FOR DOORS WITHOUT HANDLES

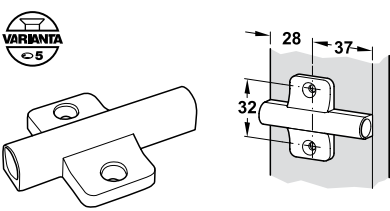


- > Area of application: Mechanical opening aid with magnet holding in closed position, for front panels without handles (not suitable for hinges with automatic closing spring)
- > Adjustment facility: Depth adjustment for compensating the front gap without tools
- > Installation: For inserting into cabinet front edge or with adaptor housing
- > Material: Plastic and steel
- > Colour: Platinum grey
- > Supplied with: 1 Tipmatic pin
1 Counter plate (self adhesive)
1 Counter plate (screw-on), including screw

	Cat. No.
	356.03.510

Packing: 25 pieces

ADAPTOR HOUSING
FOR 32 MM SERIES DRILLED HOLES,
EDGE DISTANCE 28 OR 37 MM

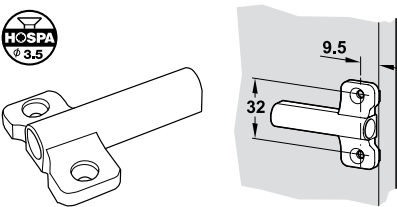


- > Material: Plastic
- > Colour: Light grey
- > Installation: With Euro screws (6.3 x 13.5 mm)

	Cat. No.
	356.13.510

Packing: 25 pieces

WITH POSITIONING LIP

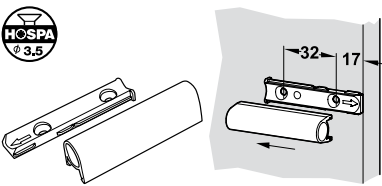


- > Material: Plastic
- > Colour: Light grey
- > Installation: With wood screws (3.5 x 13 mm)

	Cat. No.
	356.13.520

Packing: 25 pieces

FOR INSET MOUNTING



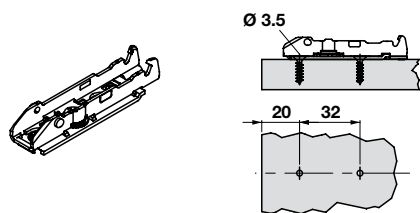
- > Material: Plastic
- > Colour: Light grey
- > Installation: With wood screws (3.5 x 13 mm)

	Cat. No.
	356.13.530

Packing: 25 pieces

LINEAR MOUNTING PLATE

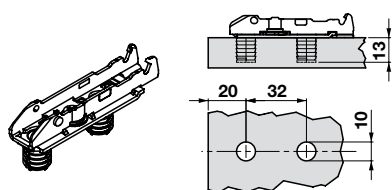
SCREW FIXED



	Height (mm)	Cat. No.
Steel, nickel-plated	0	348.38.501
Fixing with wood screws Ø3.5 x 15mm or with Euro screws Ø6.3 x 13.5mm. Convenient height adjustment via worm gear	2	348.38.502
	3	348.38.503
	3.5	348.38.504

Packing: 150 pieces

KNOCK-IN



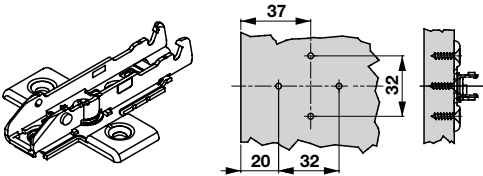
	Height (mm)	Cat. No.
Steel, nickel-plated	0	348.38.010
Fixing with Ø10mm dowels	2	348.38.012
Convenient height adjustment via worm gear. Do not use a hammer for inserting the mounting plate	3	348.38.013
(Insertion tool is available, Cat.No. 348.40.052)	3.5	348.38.014

Packing: 150 pieces

TIOMOS CRUCIFORM MOUNTING PLATES

FIXING WITH WOOD SCREWS Ø3.5 X 15 MM

4 POINT FIXING

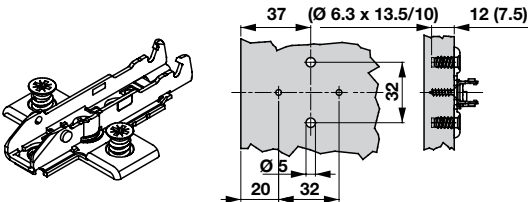


	Height (mm)	Cat. No.
Steel, nickel-plated Convenient height adjustment via worm gear	0	348.38.511
	2	348.38.512
	3	348.38.513
	3.5	348.38.514

Packing: 150 pieces

WITH PRE-ASSEMBLED EURO SCREWS

4 POINT FIXING

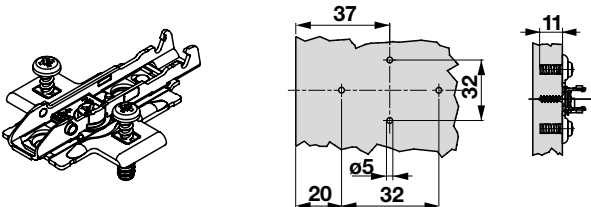


	Screw length (mm)	Height (mm)	Cat. No.
Steel, nickel-plated Convenient height adjustment via worm gear	13.5	0	348.38.521
		2	348.38.522
		3	348.38.523
		3.5	348.38.524
For twin mounting application Steel, nickel-plated Convenient height adjustment via worm gear	10	0	348.38.531
		2	348.38.532
		3	348.38.533
		3.5	348.38.534

Packing: 150 pieces

WITH EXPANDING DOWELS

4 POINT FIXING

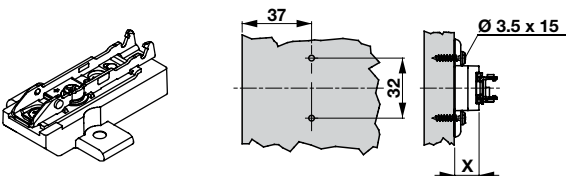


	Height (mm)	Cat. No.
Steel, nickel-plated Convinient height adjustment via worm gear	0	348.38.680
	2	348.38.682
	3	348.38.683
	3.5	348.38.684

Packing: 150 pieces

FIXING WITH WOOD SCREWS Ø3.5 X 15 MM

2 POINT FIXING

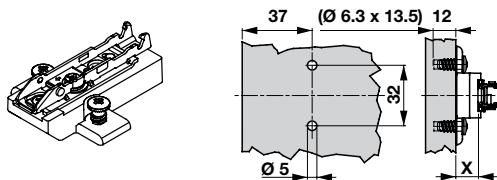


	Height (mm)	Cat. No.
Zinc / steel, nickel-plated Convenient height adjustment via worm gear	12	348.39.515`

Packing: 150 pieces

WITH PRE-ASSEMBLED EURO SCREWS 13.5 MM

2 POINT FIXING



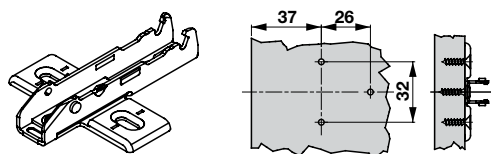
	Height (mm)	Cat. No.
Zinc / steel, nickel-plated Convenient height adjustment via worm gear	6	348.39.501
	8	348.39.502
	9	348.39.503
	12	348.39.504
	14	348.39.505
	15	348.39.506
	19	348.39.507
	21	348.39.509

Packing: 150 pieces

TIOMOS CRUCIFORM MOUNTING PLATES

FIXING WITH WOOD SCREWS Ø3.5 X 15 MM

3 POINT FIXING

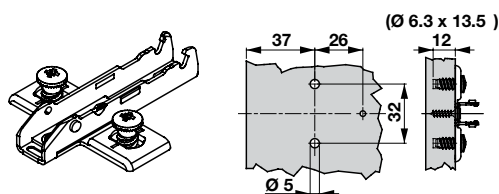


	Height (mm)	Cat. No.
Steel, nickel-plated Height adjustment via slots	-2	348.38.580
	0	348.38.581
	2	348.38.582
	3	348.38.583
	3.5	348.38.584

Packing: 150 pieces

WITH PRE-ASSEMBLED EURO SCREWS 13.5 MM

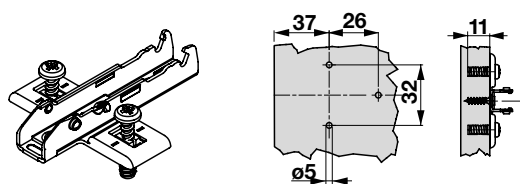
3 POINT FIXING



	Height (mm)	Cat. No.
Steel, nickel-plated Height adjustment via slots	-2	348.38.550
	0	348.38.551
	2	348.38.552
	3	348.38.553
	3.5	348.38.554

Packing: 150 pieces

WITH EXPANDING DOWELS

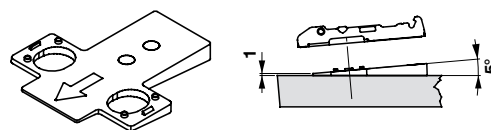


	Height (mm)	Cat. No.
Steel, nickel-plated Convenient height adjustment via worm gear	0	348.38.690
	2	348.38.692
	3	348.38.693
	3.5	348.38.694

Packing: 150 pieces

TIOMOS WEDGES

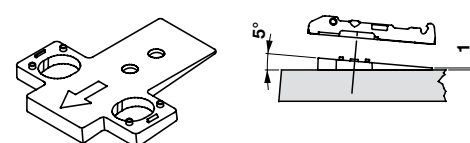
+5° WEDGE



	Cat. No.
Zinc, nickel-plated For placing under cross mounting plates. Can be stacked (max. 3)	348.40.020

Packing: 150 pieces

-5° WEDGE



	Cat. No.
Zinc, nickel-plated For placing under cross mounting plates. Can be stacked (max. 3)	348.40.021

Packing: 150 pieces

TIOMOS TECHNICAL INFORMATION

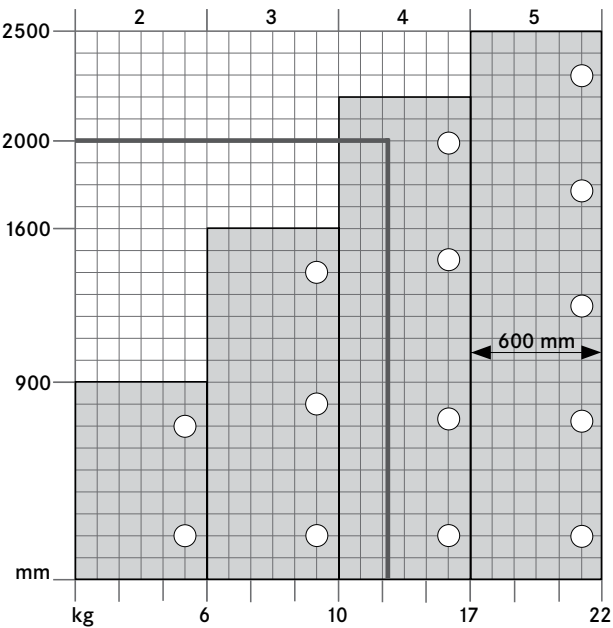
NUMBER OF HINGES PER DOOR

The number of hinges is determined by the door height, door weight, quality of the material and the fixing of the mounting plate.

The load and height data refer to 600 mm standard door widths. In case of doubt, the number of hinges should be determined with a trial fitting.

Example: For a door measuring 2000 x 600 mm and a weight of 13 kg, we recommend 4 hinges.

The table is applicable to hinges with and without integrated damper.



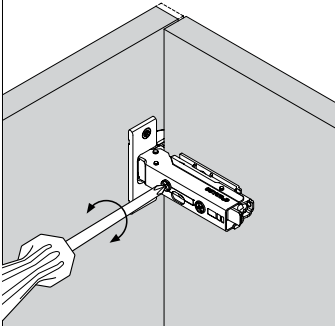
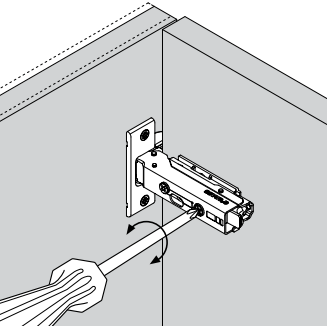
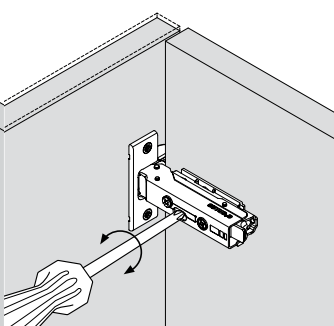
TOOL FREE DAMPER ADJUSTMENT

Light setting	Medium setting (factory setting)	Strong setting
Adjustment lever points: > Towards the carcase	Adjustment lever points: > Downwards when fitted on the left, and upwards when fitted on the right	Adjustment lever points: > Away from the carcase
Suitable for: > Small, light-weight doors	Suitable for: > Standard doors	Suitable for: > Large, heavy doors

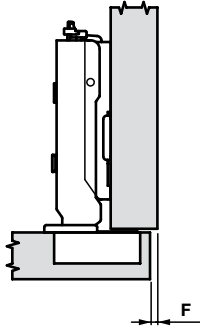
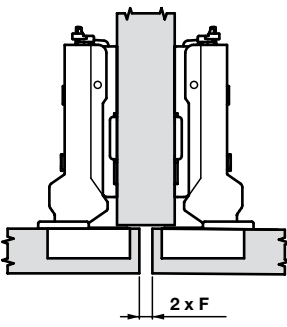
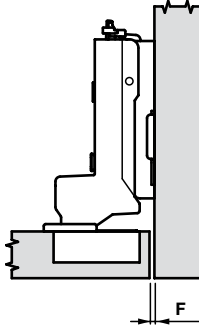
The damping force of each hinge can be set individually.
A simple lever adjustment is all that is required to increase or reduce the damping force as required.

TIOMOS TECHNICAL INFORMATION

DOOR ADJUSTMENTS (APPLIES TO ALL TIOMOS HINGES)

Description	Side adjustment with limit stop +/-2 mm	Convenient depth adjustment via worm gear +3/-2 mm	Height adjustment with mounting plate +/-2 mm
The height adjustment option depends on the type of mounting plate. All adjustments can be carried out independently of each other.			

DOOR REVEAL AND MINIMUM REVEAL

Description	Full Overlay / Overlay door	Half overlay door	Inset door
<p>The reveal is the distance between two doors or between the door and the cabinet side wall.</p> <p>The minimum reveal (F) is the distance required between two doors or between a door and side wall so that the door can open without colliding.</p>			

MINIMUM REVEAL TABLE

Minimum reveal

The width of reveal required depends on the thickness of the door.

Example:
For a 19 mm thick door and a Cup distance (mm) of 6 mm, the minimum reveal required is 0.9 mm

Important:
The reveal width is calculated for doors with a corner radius of 1 mm.

Door thickness (mm)

	Cup distance (mm)					
	3	4	5	6	7	
24.0	2.4	2.1	2.1	2.1	2.0	
22.0	1.6	1.6	1.6	1.5	1.5	
21.0	1.4	1.3	1.3	1.3	1.3	
20.0	1.1	1.1	1.1	1.5	1.1	
19.0	0.9	0.9	0.9	0.9	0.9	
18.0	0.7	0.7	0.7	0.7	0.7	
17.0	0.6	0.6	0.6	0.6	0.6	
16.0	0.6	0.6	0.6	0.6	0.6	

Minimum reveal (F)

Achievable reveal with inset door

The table shows the achievable reveal width for inset doors, depending on the Cup distance (mm) and mounting plate height.

Example:
With a Cup distance of 6 mm and a mounting plate height of 3 mm, the reveal is 1 mm. This is also called a negative overlay.

Door reveal (mm)

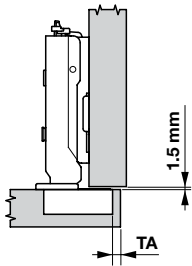
	Cup distance (mm)					
	3	4	5	6	7	
0.0		0		2	3	
0.5					3.5	
1.0	0		2	3		
1.5				3.5		
2.0		2	3			
3.0	2	3				
4.0	3					

Minimum plate height

TIOMOS TECHNICAL INFORMATION

MINIMUM GAP

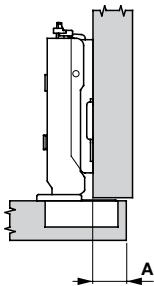
Description	Example
<p>The minimum gap is the clearance needed between the front edge of the cabinet and the closed door so that the door can open without hindrance.</p> <p>The factory setting of the gap is 1.5 mm.</p> <p>The Cup distance (TA) is the distance between the edge of the door and the edge of the cup hole.</p>	<p>For a 17 mm thick door and a Cup distance of 6 mm, the minimum gap is 1.0 mm.</p>



	Cup distance (mm)				
	3	4	5	6	7
Door thickness (mm)					
24.0	1.0	1.0	1.0	1.2	2.1
22.0	1.0	1.0	1.0	1.0	1.5
21.0	1.0	1.0	1.0	1.0	1.2
20.0	1.0	1.0	1.0	1.0	1.0
19.0	1.0	1.0	1.0	1.0	1.0
18.0	1.0	1.0	1.0	1.0	1.0
17.0	1.0	1.0	1.0	1.0	1.0
16.0	1.0	1.0	1.0	1.0	1.0
Minimum gap					

DOOR OVERLAY (MM)

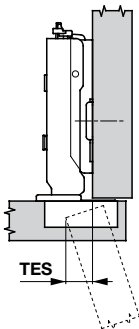
Description	Example
<p>The Door overlay (A) is that part of the side wall or frame which is covered by the door.</p>	<p>For a hinge with cranking 3, a mounting plate height 2 and a Cup distance of 4 mm, the Door overlay is 14 mm.</p>



	Cup distance (mm)				
	3	4	5	6	7
Door overlay (mm)					
19.0					0
18.0				0	
17.0			0		2
16.5					
16.0		0		2	3
15.5					3.5
15.0	0		2	3	
14.5				3.5	
14.0		2	3		
13.5			3.5		
13.0	2	3			
12.5		3.5			
12.0	3				
11.5	3.5				
Mounting plate height					

DOOR PROTRUSION

Description
<p>Door protrusion (TES) occurs when the door is opened and varies depending on the type of hinge and application.</p> <p>It is shown on each catalogue page and refers to the factory setting with the respective mounting plate shown.</p> <p>It can be altered by using a different mounting plate height and by changing the side adjustment.</p>



TIOMOS TECHNICAL INFORMATION

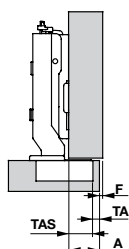
OPTIONS FOR CHANGING THE DOOR OVERLAY (MM) BY SELECTING THE CRANKING

BY USING A MOUNTING PLATE WITH A DIFFERENT HEIGHT

Full overlay (cranking 0)

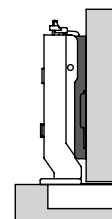
The Door overlay (A) is the cup overlay (TAS/factory setting) plus the Cup distance (TA).

The dimensions are shown in a table on the respective catalogue page.



Full overlay

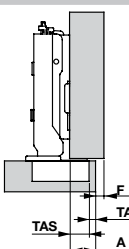
Use a hinge with cranking 0 and mounting plate height 0.



Overlay (cranking 3)

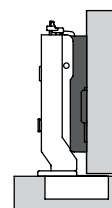
The Door overlay (A) is the cup overlay (TAS/factory setting) plus the Cup distance (TA).

The dimensions are shown in a table on the respective catalogue page.



Overlay

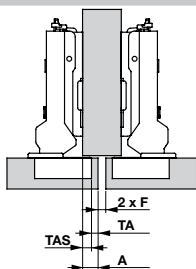
Use a hinge with cranking 0 and mounting plate height 3.



Half overlay (cranking 9.5)

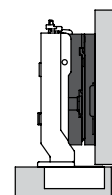
The Door overlay (A) is the cup overlay (TAS/factory setting) plus the Cup distance (TA).

The dimensions are shown in a table on the respective catalogue page.



Half overlay

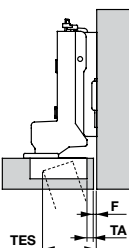
Use a hinge with cranking 0 and mounting plate height 9.5.



Inset (cranking 19)

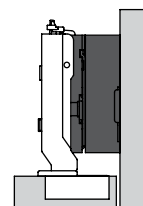
There is no Door overlay. The minimum reveal (F) between the side of the cabinet and the door depends on the mounting plate height and the Cup distance.

The dimensions are shown in a table on the respective catalogue page.



Inset

Use a hinge with cranking 0 and mounting plate height 21.



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VIONARO DRAWERS

A MINIMALISTIC DESIGN THAT IS SURE TO IMPRESS.

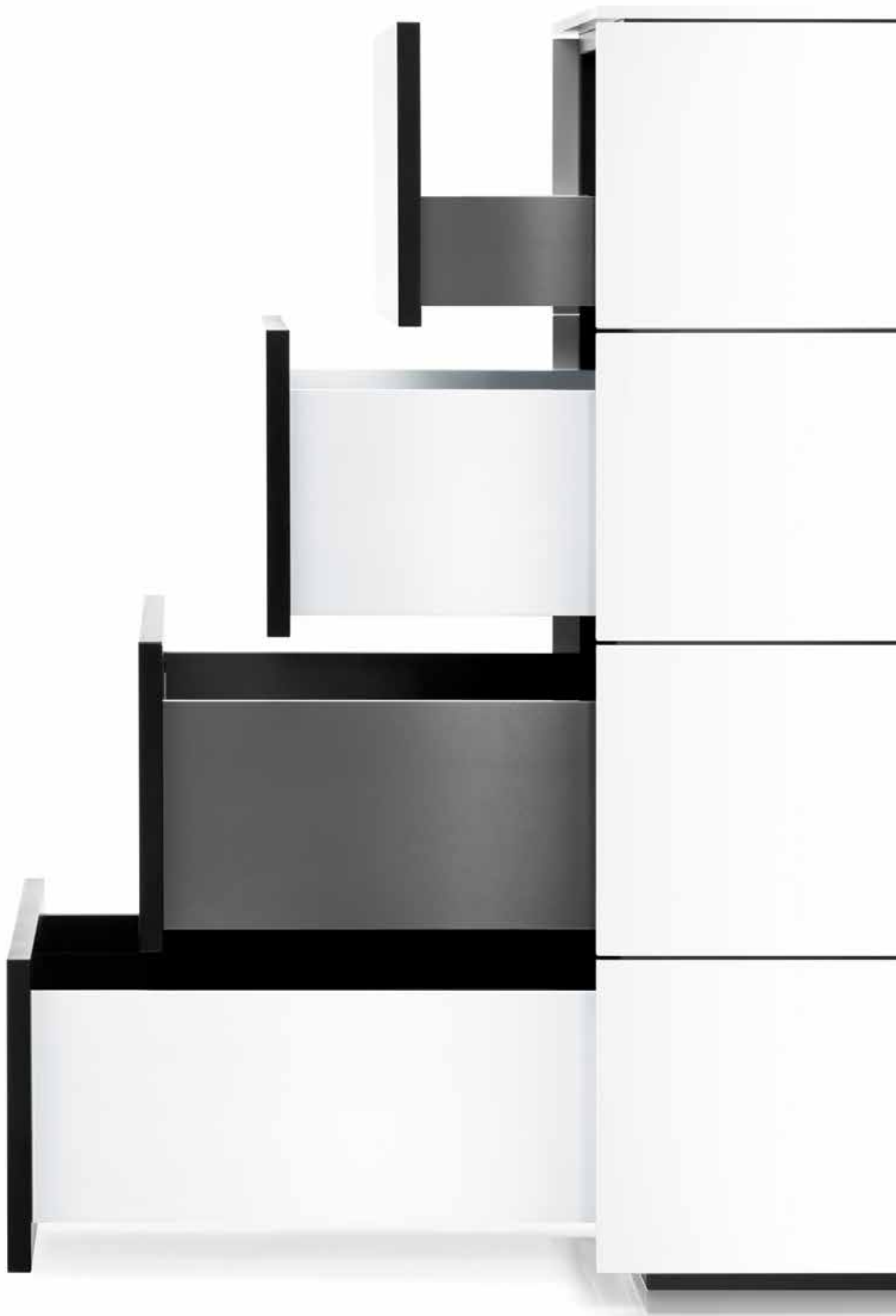


Vionaro - the cubist drawer system with classy, yet minimalist styling combines the Dynapro runner system with a succinct shape, slimline design and top quality materials – the pure elegance of Vionaro makes furniture look good whether it is in the kitchen, the bathroom, the living room or the bedroom.

When you open the innovative Vionaro drawer, you'll witness a visionary movement system; Two purist double-wall drawer sides, one back panel, one front and that's all! A lighter touch and more design consciousness hardly seem possible, enabling furniture design to reinvent itself day after day.

Sensuous surfaces. Breathtaking linearity. Technology that has been tried, tested and proven, millions of times over.

If you're looking for a drawer system where movement is not only technically functional, but also extremely comfortable, then look no further than Vionaro.



VIONARO 89H GRAPHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Graphite
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.45.300
300	550.45.301
350	550.45.302
400	550.45.303
450	550.45.304
500	550.45.305
550	550.45.306

Packing: 20 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.45.314
500	550.45.315
550	550.45.316
600	550.45.317
650	550.45.318

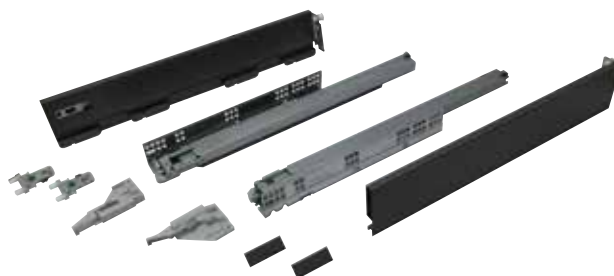
Packing: 20 sets



Supplied with:

- > 1 pair Vionaro 89 mm drawer sides, Graphite
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

WITH DYNAPRO TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Graphite
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.45.320
300	550.45.321
350	550.45.322
400	550.45.323
450	550.45.324
500	550.45.325
550	550.45.326

Packing: 20 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.45.334
500	550.45.335
550	550.45.336
600	550.45.337
650	550.45.338

Packing: 20 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

- > 1 pair Vionaro 89 mm drawer sides, Graphite
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO 89H WHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.45.700
300	550.45.701
350	550.45.702
400	550.45.703
450	550.45.704
500	550.45.705
550	550.45.706

Packing: 20 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.45.714
500	550.45.715
550	550.45.716
600	550.45.717
650	550.45.718

Packing: 20 sets



Supplied with:

- > 1 pair Vionaro 89 mm drawer sides, White
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

WITH DYNAPRO TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.45.720
300	550.45.721
350	550.45.722
400	550.45.723
450	550.45.724
500	550.45.725
550	550.45.726

Packing: 20 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.45.734
500	550.45.735
550	550.45.736
600	550.45.737
650	550.45.738

Packing: 20 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

- > 1 pair Vionaro 89 mm drawer sides, White
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO 121H GRAPHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



> Material:	Steel drawer
> Drawer Side Finish:	Powder coated, Graphite
> Weight Capacity (kg):	40 or 60
> Runner Function:	Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
350	550.49.302
400	550.49.303
450	550.49.304
500	550.49.305
550	550.49.306

Packing: 10 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.49.314
500	550.49.315
550	550.49.316

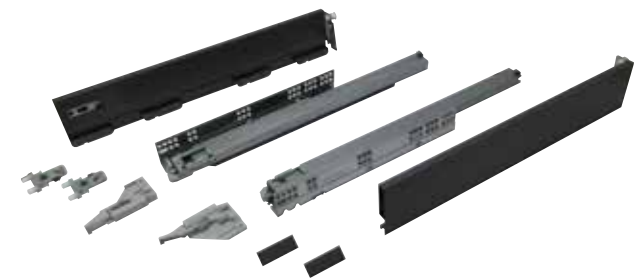
Packing: 10 sets



Supplied with:

- > 1 pair Vionaro 121 mm drawer sides, Graphite
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

WITH DYNAPRO TIPMATIC PLUS RUNNERS



> Material:	Steel drawer
> Drawer Side Finish:	Powder coated, Graphite
> Weight Capacity (kg):	40 or 60
> Runner Function:	Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
350	550.49.322
400	550.49.323
450	550.49.324
500	550.49.325
550	550.49.326

Packing: 10 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.49.334
500	550.49.335
550	550.49.336

Packing: 10 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

- > 1 pair Vionaro 121 mm drawer sides, Graphite
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO 121H WHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
350	550.49.702
400	550.49.703
450	550.49.704
500	550.49.705
550	550.49.706

Packing: 10 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.49.714
500	550.49.715
550	550.49.716

Packing: 10 sets



Supplied with:

- > 1 pair Vionaro 121 mm drawer sides, White
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

WITH DYNAPRO TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
350	550.49.722
400	550.49.723
450	550.49.724
500	550.49.725
550	550.49.726

Packing: 10 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.49.734
500	550.49.735
550	550.49.736

Packing: 10 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

- > 1 pair Vionaro 121 mm drawer sides, White
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO 185H GRAPHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Graphite
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.48.300
300	550.48.301
350	550.48.302
400	550.48.303
450	550.48.304
500	550.48.305
550	550.48.306

Packing: 10 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.48.314
500	550.48.315
550	550.48.316
600	550.48.317
650	550.48.318

Packing: 10 sets



Supplied with:

- > 1 pair Vionaro 185 mm drawer sides, Graphite
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

WITH DYNAPRO TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Graphite
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.48.320
300	550.48.321
350	550.48.322
400	550.48.323
450	550.48.324
500	550.48.325
550	550.48.326

Packing: 10 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.48.334
500	550.48.335
550	550.48.336
600	550.48.337
650	550.48.338

Packing: 10 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

- > 1 pair Vionaro 185 mm drawer sides, Graphite
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, Graphite

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO 185H WHITE DRAWER SET

WITH DYNAPRO AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Pull to open with soft close

40 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.48.700
300	550.48.701
350	550.48.702
400	550.48.703
450	550.48.704
500	550.48.705
550	550.48.706

Packing: 10 sets

60 KG DYNAPRO AIRMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.48.714
500	550.48.715
550	550.48.716
600	550.48.717
650	550.48.718

Packing: 10 sets



Supplied with:

- > 1 pair Vionaro 185 mm drawer sides, White
- > 1 pair Dynapro Airmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

WITH DYNAPRO TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 60
- > Runner Function: Push to open with manual close for handle free drawers

40 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
270	550.48.720
300	550.48.721
350	550.48.722
400	550.48.723
450	550.48.724
500	550.48.725
550	550.48.726

Packing: 10 sets

60 KG DYNAPRO TIPMATIC RUNNER

Drawer length (mm)	Cat. No.
450	550.48.734
500	550.48.735
550	550.48.736
600	550.48.737
650	550.48.738

Packing: 10 sets



Note

For cabinets wider than 700 mm, please also order one sync. bar and one fixing set per drawer.



Supplied with:

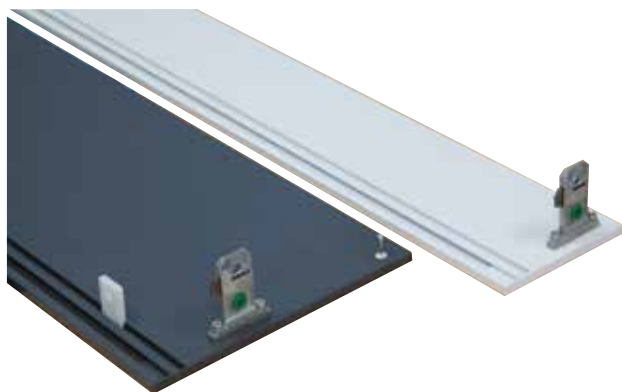
- > 1 pair Vionaro 185 mm drawer sides, White
- > 1 pair Dynapro Tipmatic runners (40 or 60 kg)
- > 2 pieces Vionaro front connector (expanding dowel)
- > 1 pair Vionaro front locking set
- > 2 pieces Vionaro cover cap, White

	Unit	Cat. No.
Tipmatic Plus Sync. Bar, 1079 mm	Piece	433.11.001
Tipmatic Plus Fixing Kit (40 kg)	Kit	433.19.002
Tipmatic Plus Fixing Kit (60 kg)	Kit	433.19.003

Packing: 10 pieces/kits

VIONARO FRONT PANELS

VIONARO INTERNAL FRONT PANEL SETS



- > Material: Aluminium and plastic
- > Finish: Graphite or White
- > Area of application: Allows Vionaro drawers to be used in an internal drawer application

Drawer length (mm)	Finish	Cat. No.
89	Graphite	550.46.321
	White	550.46.721
185	Graphite	550.46.331
	White	550.46.731

Packing: 10 / 20 sets (89 mm / 185 mm)


Note

Can only be purchased in complete packing units.


Supplied with:

- > 1 piece Vionaro front panel, 1200 mm
- > 1 pair Vionaro front panel end caps
- > 2 pieces Vionaro front panel stabilisers (185 mm only)
- > 2 pieces Vionaro front connector
- > 4 pieces Vionaro front connector fixing screws
- > 1 piece Vionaro front panel/base connector (185 mm only)

INTERNAL FRONT PANEL ACCESSORIES

Finish	Cat. No.
Front panel end caps 89H Graphite	550.46.329
Front panel end caps 89H White	550.46.729
Front panel end caps 185H Graphite	550.46.339
Front panel end caps 185H White	550.46.739
Top stabiliser 185H	550.46.995
Base connector for wide drawers	550.46.997
Front fixing screws	550.46.999

Packing: 100 pieces

VIONARO ACCESORIES

FRONT CONNECTOR



Fixing Method	Cat. No.
Screw-on	550.47.001
Knock-in	550.47.003
Expanding dowel	550.47.005

Packing: 20 sets


Note:

Insertion tool is available for knock-in fixing, Cat. No. 550.47.900

FRONT LOCKING SET



	Cat. No.
	550.47.090

Packing: 10 pairs

COVER CAPS



Finish	Cat. No.
Graphite	550.47.330
White	550.47.730

Packing: 20 pieces

FRONT STABILISER FOR 185 MM DRAWER



Fixing size	Cat. No.
Ø 8 mm	550.47.920
Ø 10 mm	550.47.730 <i>550.47.921</i>

Packing: 20 pieces

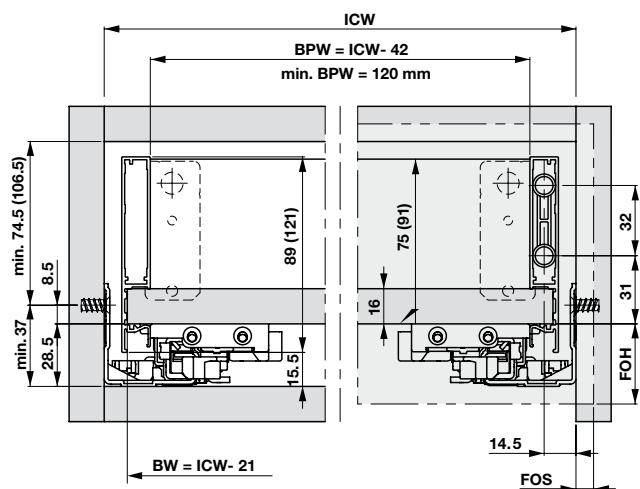

Note

Insertion tool is available for front stabiliser, Cat. No. 550.47.902

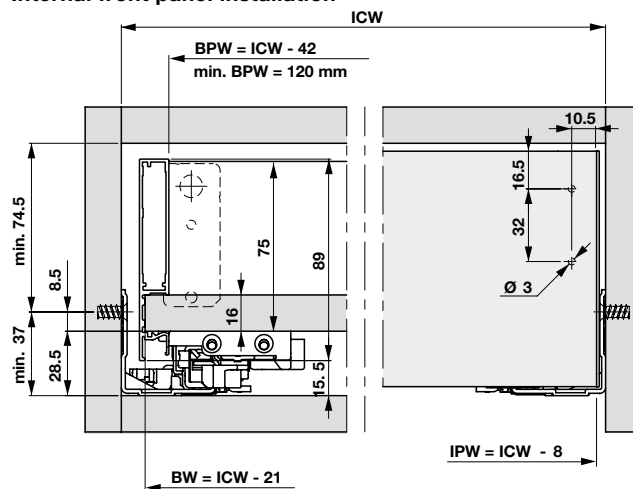
VIONARO TECHNICAL INFORMATION

89 H / 121 H PLANNING DIMENSIONS

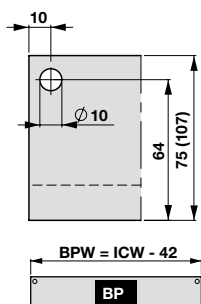
Standard installation dimensions



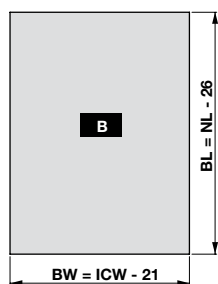
Internal front panel installation



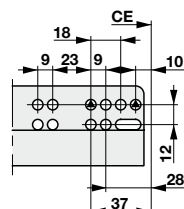
Back panel dimensions



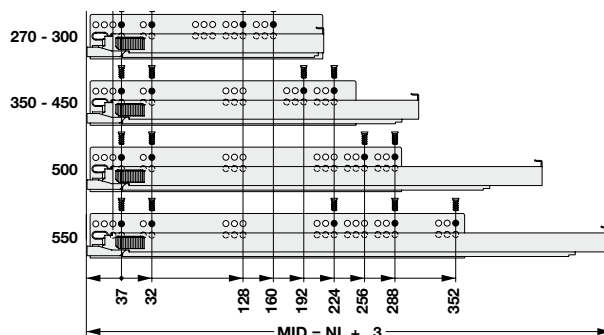
Base panel dimensions



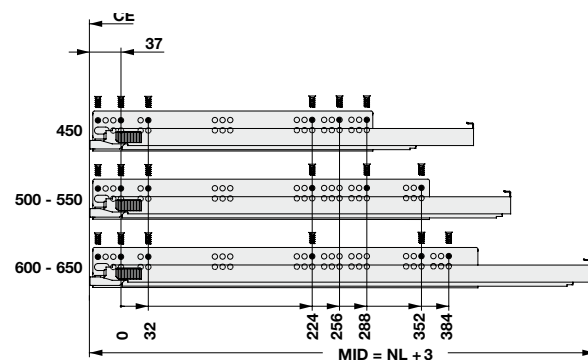
Fixing position for Dynapro runner



40 kg



60 kg



LEGEND

B	Bottom panel
BW	Bottom panel width
BL	Bottom panel length
FOS	Front overlay, side
FOH	Front overhang
CE	Front edge of cabinet
ICW	Inside cabinet width
MID	Minimum installation depth
NL	Nominal length
BP	Back panel
BPW	Width of back panel
IPW	Internal panel width



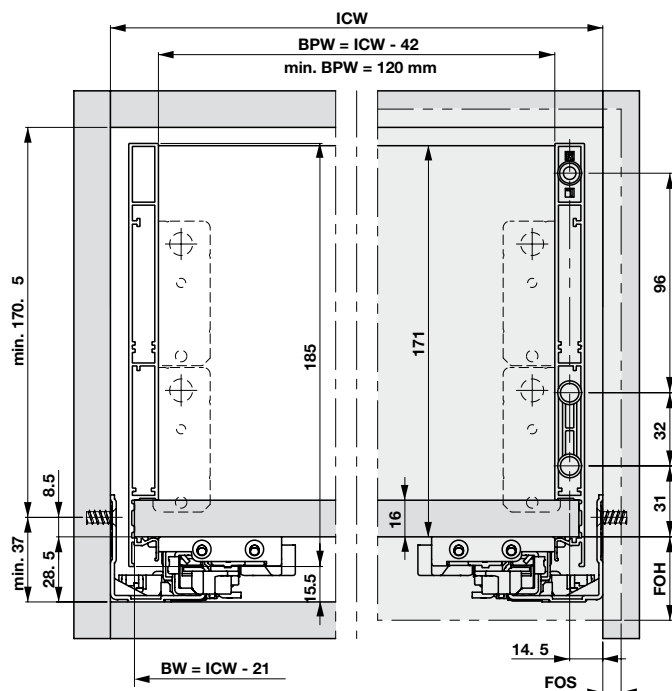
Note

Dimensions in brackets are for 121 mm high Vionaro drawers.

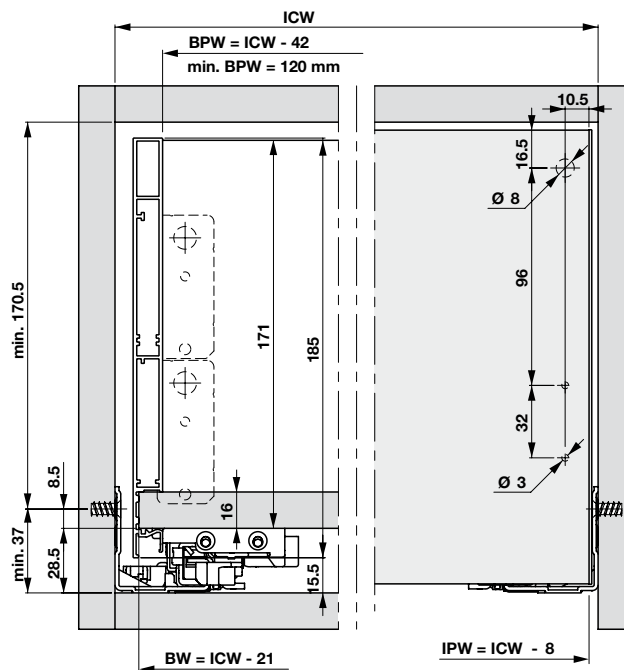
VIONARO TECHNICAL INFORMATION

VIONARO 185 H PLANNING DIMENSIONS

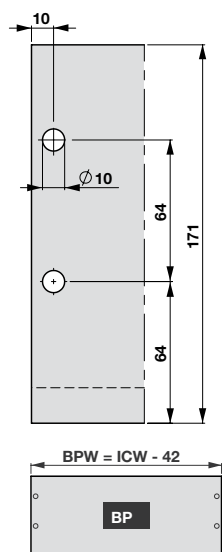
Front panel installation dimensions



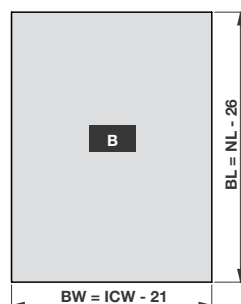
Internal front panel installation



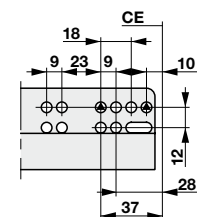
Back panel dimensions



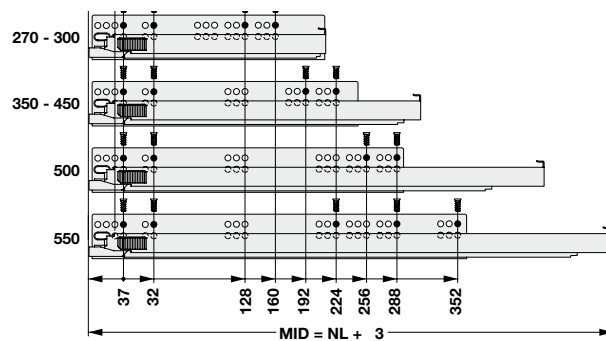
Base panel dimensions



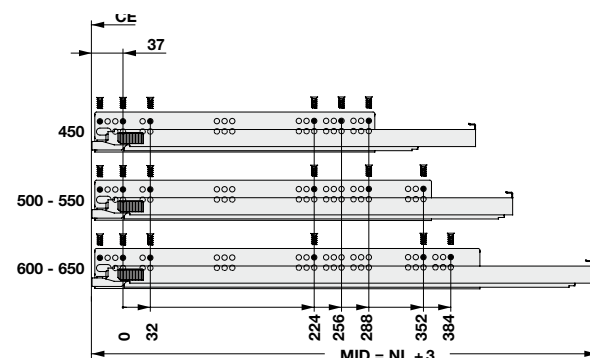
Fixing position for Dynapro runner



40 kg



60 kg



LEGEND

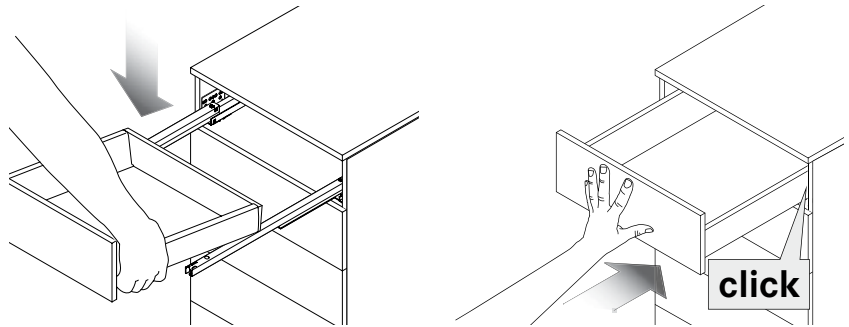
B	Bottom panel
BW	Bottom panel width
BL	Bottom panel length
FOS	Front overlay, side
FOH	Front overhang
CE	Front edge of cabinet
ICW	Inside cabinet width
MID	Minimum installation depth
NL	Nominal length
BP	Back panel
BPW	Width of back panel
IPW	Internal panel width

VIONARO TECHNICAL INFORMATION

INSTALLATION / REMOVAL

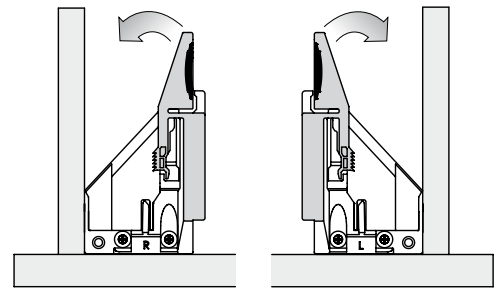
Installing the drawer

Place the drawer on the extended runners.
Push the drawer fully home.
Drawer engages automatically!



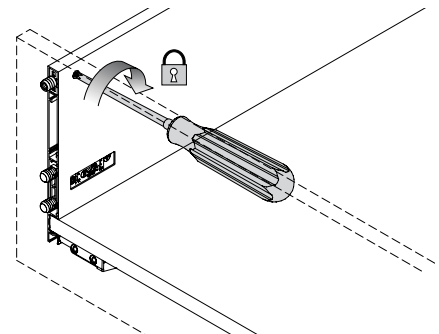
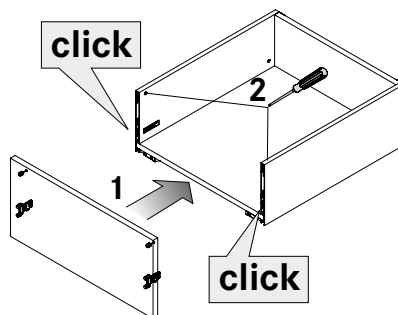
Removing the drawer

Pull the drawer out, move the lever of the locking device and lift the drawer from the runners.



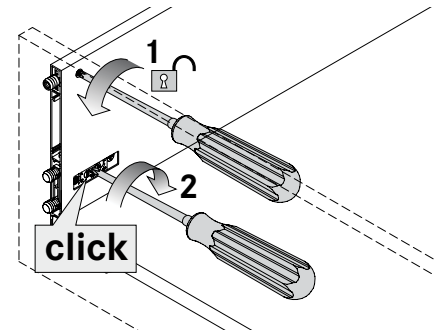
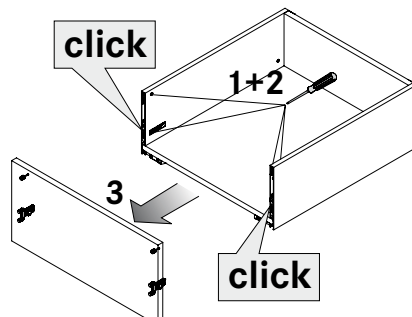
Front panel installation

Insert the front panel into the drawer sides.
The front panel engages automatically.
Use PZ2 screwdriver to lock front stabiliser
(185 mm drawer only).



Removing the front panel

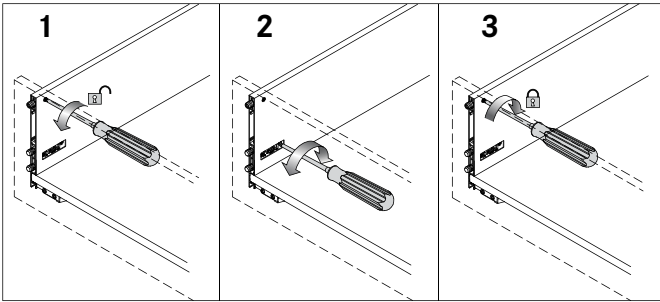
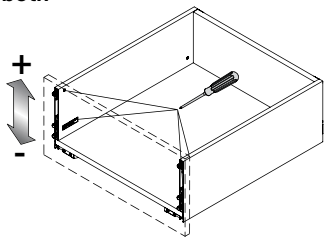
Use PZ2 screwdriver to release.



VIONARO TECHNICAL INFORMATION

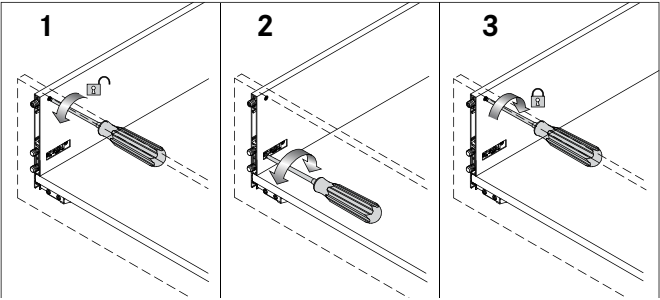
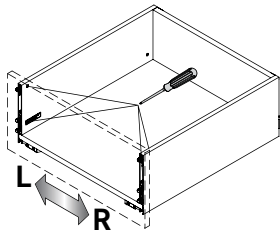
ADJUSTMENTS

Height adjustment with cam on both sides (+2.5 / -1.5 mm)



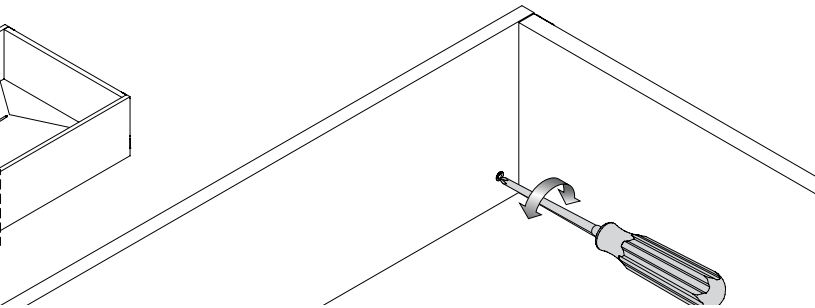
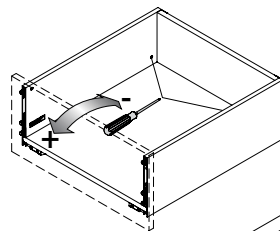
Side adjustment, right (±1.5 mm)

Adjust both sides.



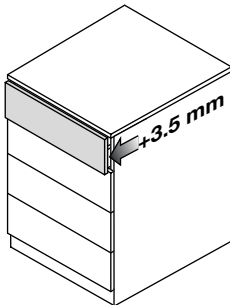
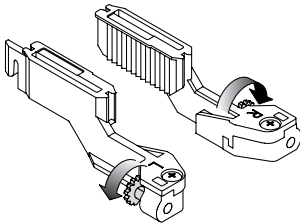
Front tilt angle adjustment (+2.5 / -1.5 mm)

Adjust both sides.



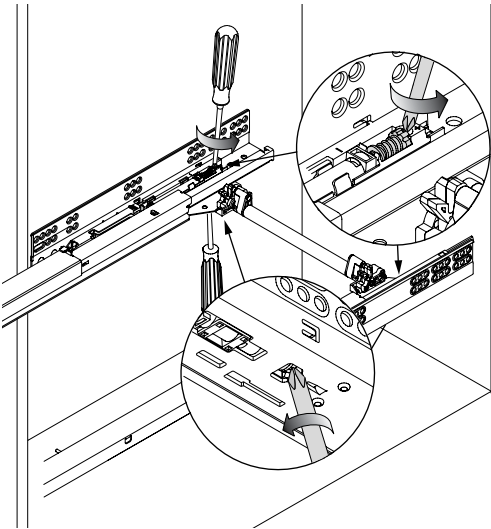
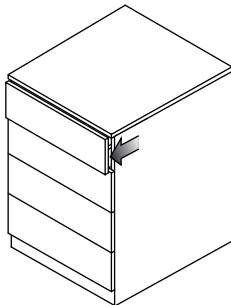
Optional depth adjustment (Max. +3.5 mm)

For Vionaro with Dynapro Airmatic runners



Front gap adjustment- From above or below

For Vionaro Dynapro Tipmatic Plus runners



Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice



NOVA PRO DRAWERS

NOVA PRO DRAWERS

OVERVIEW



Minimum installation width and straight inner sides:

Gain in storage space: Straight inner sides allow for a much greater usable drawer space.



Sensomatic: Maximum user convenience for handle-free furniture

No effort, no trouble: drawers and pull-outs move virtually on their own.

Contemporary furniture design is marked by the trend towards handle-free construction.

The clean-cut appearance of kitchen, living room and bathroom furniture is not disturbed by anything but the narrow gaps between drawer and pull-outs.

- Tipmatic-plus - the mechanical system
- Sensomatic - the electromechanical system

Sensomatic offers users maximum convenience, functionality and quality, while furniture manufacturers benefit from the system's efficient and flexible production: Sensomatic can be installed in standard cabinets and drawers and is suitable for the Nova Pro double-wall drawer slide and the Dynapro undermount solution. Sensomatic can be combined with standard solutions and retrofitted to increase the value of furniture with modern design.



Airmatic - The clean integrated shock absorber:

Using air as the operating medium provides reliable cushioning, is environmentally friendly and ensures hygiene in the kitchen.

Variation and flexibility:

Individualise your drawer system. Spice containers, cutlery inserts, internal drawer fronts, side elements and waste bins help customise your drawer system.



NOVA PRO DRAWERS - SILVER DELUXE DRAWER SET

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.17.251
	300	553.17.252
	350	553.17.253
	400	553.17.254
	450	553.17.255
	500	553.17.256
	550	553.17.257
122	600	553.17.258
	400	553.18.254
	450	553.18.255
	500	553.18.256
	550	553.18.257
	600	553.18.258

Packing: 1 and 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.17.275
	500	553.17.276
	550	553.17.277
	600	553.17.278
	650	553.17.279
122	450	553.18.275
	500	553.18.276
	550	553.18.277
	600	553.18.278

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.38.221
	300	553.38.222
	350	553.38.223
	400	553.38.224
	450	553.38.225
	500	553.38.226
	550	553.38.227
122	400	553.39.224
	450	553.39.225
	500	553.39.226
	550	553.39.227

Packing: 1 and 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.236
	550	553.38.237
	600	553.38.238
	650	553.38.239
122	500	553.39.236
	550	553.39.237
	600	553.39.238

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit

NOVA PRO DRAWERS - WHITE DELUXE DRAWER SET

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.17.751
	300	553.17.752
	350	553.17.753
	400	553.17.754
	450	553.17.755
	500	553.17.756
	550	553.17.757
122	600	553.17.758
	400	553.18.754
	450	553.18.755
	500	553.18.756
	550	553.18.757
	600	553.18.758

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.17.775
	500	553.17.776
	550	553.17.777
	600	553.17.778
122	450	553.18.775
	500	553.18.776
	550	553.18.777
	600	553.18.778

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.38.721
	300	553.38.722
	350	553.38.723
	400	553.38.724
	450	553.38.725
	500	553.38.726
	550	553.38.727
122	400	553.39.724
	450	553.39.725
	500	553.39.726
	550	553.39.727

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.736
	550	553.38.737
	600	553.38.738
122	500	553.39.736
	550	553.39.737
	600	553.39.738

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit

NOVA PRO DRAWERS - SILVER DELUXE CRYSTAL DRAWER SET

WITH AIRMATIC RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	300	553.08.112
	350	553.08.113
	400	553.08.114
	450	553.08.115
	500	553.08.116
	550	553.08.117
	600	553.08.118

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	450	553.08.135
	500	553.08.136
	550	553.08.137
	600	553.08.138
	650	553.08.139

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Crystal Deluxe drawer sides

> 1 pair Airmatic runners (40 or 70 kg)

> 1 set Nova Pro Crystal fastening set

> 1 pair Nova Pro Crystal glass side element

WITH TIPMATIC PLUS RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	300	553.08.152
	350	553.08.153
	400	553.08.154
	450	553.08.155
	500	553.08.156
	550	553.08.157

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	500	553.08.176
	550	553.08.177
	600	553.08.178
	650	553.08.179

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Crystal Deluxe drawer sides

> 1 pair Tipmatic Plus runners (40 or 70 kg)

> 1 pair Tipmatic Plus locking units

> 1 set Tipmatic Plus 1200 mm synchronisation unit

> 1 set Nova Pro Crystal fastening set

> 1 pair Nova Pro Crystal glass side element

NOVA PRO DRAWERS - WHITE DELUXE CRYSTAL DRAWER SET

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	300	553.08.612
	350	553.08.613
	400	553.08.614
	450	553.08.615
	500	553.08.616
	550	553.08.617
	600	553.08.618

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	450	553.08.635
	500	553.08.636
	550	553.08.637
	600	553.08.638
	650	553.08.639

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Crystal Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro Crystal fastening set
- > 1 pair Nova Pro Crystal glass side element

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	300	553.08.652
	350	553.08.653
	400	553.08.654
	450	553.08.655
	500	553.08.656
	550	553.08.657

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Glass side element
90	500	553.08.676
	550	553.08.677
	600	553.08.678
	650	553.08.679

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Crystal Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Nova Pro Crystal fastening set
- > 1 pair Nova Pro Crystal glass side element

NOVA PRO DRAWERS - SILVER DELUXE DRAWER SET WITH ROUND RAIL

WITH AIRMATIC RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.28.212
	350	553.28.213
	400	553.28.214
	450	553.28.215
	500	553.28.216
	550	553.28.217
122	600	553.28.218
	400	553.29.214
	450	553.29.215
	500	553.29.216
	550	553.29.217
	600	553.29.218

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.28.235
	500	553.28.236
	550	553.28.237
	600	553.28.238
	650	553.28.239
122	450	553.29.235
	500	553.29.236
	550	553.29.237
	600	553.29.238

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Deluxe drawer sides

> 1 pair Airmatic runners (40 or 70 kg)

> 1 set Nova Pro front hooks and cover caps

> 1 set Round gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.38.242
	350	553.38.243
	400	553.38.244
	450	553.38.245
	500	553.38.246
	550	553.38.247
122	400	553.39.244
	450	553.39.245
	500	553.39.246
	550	553.39.247

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.256
	550	553.38.257
	600	553.38.258
	650	553.38.259
122	500	553.39.256
	550	553.39.257
	600	553.39.258

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Deluxe drawer sides

> 1 pair Tipmatic Plus runners (40 or 70 kg)

> 1 set Nova Pro front hooks and cover caps

> 1 pair Tipmatic Plus locking units

> 1 set Tipmatic Plus 1200 mm synchronisation unit

> 1 set Round gallery rails

NOVA PRO DRAWERS - WHITE DELUXE DRAWER SET WITH ROUND RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.28.712
	350	553.28.713
	400	553.28.714
	450	553.28.715
	500	553.28.716
	550	553.28.717
122	600	553.28.718
	400	553.29.714
	450	553.29.715
	500	553.29.716
	550	553.29.717
	600	553.29.718

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.28.735
	500	553.28.736
	550	553.28.737
	600	553.28.738
122	450	553.29.735
	500	553.29.736
	550	553.29.737
	600	553.29.738

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Round gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.38.742
	350	553.38.743
	400	553.38.744
	450	553.38.745
	500	553.38.746
	550	553.38.747
122	600	553.39.744
	400	553.39.745
	450	553.39.746
	500	553.39.747

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.756
	550	553.38.757
	600	553.38.758
122	500	553.39.756
	550	553.39.757
	600	553.39.758

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Round gallery rails

NOVA PRO DRAWERS - SILVER DELUXE DRAWER SET WITH RECTANGULAR RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.28.252
	350	553.28.253
	400	553.28.254
	450	553.28.255
	500	553.28.256
	550	553.28.257
122	600	553.28.258
	400	553.29.254
	450	553.29.255
	500	553.29.256
	550	553.29.257
	600	553.29.258

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.28.275
	500	553.28.276
	550	553.28.277
	600	553.28.278
	650	553.28.279
122	450	553.29.275
	500	553.29.276
	550	553.29.277
	600	553.29.278

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Rectangular gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.38.262
	350	553.38.263
	400	553.38.264
	450	553.38.265
	500	553.38.266
	550	553.38.267
122	400	553.39.264
	450	553.39.265
	500	553.39.266
	550	553.39.267

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.276
	550	553.38.277
	600	553.38.278
	650	553.38.279
122	500	553.39.276
	550	553.39.277
	600	553.39.278

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Rectangular gallery rails

NOVA PRO DRAWERS - WHITE DELUXE DRAWER SET WITH RECTANGULAR RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.28.752
	350	553.28.753
	400	553.28.754
	450	553.28.755
	500	553.28.756
	550	553.28.757
122	600	553.28.758
	400	553.29.754
	450	553.29.755
	500	553.29.756
	550	553.29.757
	600	553.29.758

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.28.775
	500	553.28.776
	550	553.28.777
	600	553.28.778
122	450	553.29.775
	500	553.29.776
	550	553.29.777
	600	553.29.778

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Rectangular gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.38.762
	350	553.38.763
	400	553.38.764
	450	553.38.765
	500	553.38.766
	550	553.38.767
122	600	553.38.768
	400	553.39.764
	450	553.39.765
	500	553.39.766
	550	553.39.767
	600	553.39.768

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.38.776
	550	553.38.777
	600	553.38.778
122	500	553.39.776
	550	553.39.777
	600	553.39.778

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Rectangular gallery rails

NOVA PRO DRAWERS - SILVER CLASSIC DRAWER SET

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
63	400	553.13.254
	450	553.13.255
	500	553.13.256
	550	553.13.257
90	270	553.14.251
	300	553.14.252
	350	553.14.253
	400	553.14.254
	450	553.14.255
	500	553.14.256
	550	553.14.257
122	600	553.14.258
	400	553.15.254
	450	553.15.255
	500	553.15.256
	550	553.15.257
	600	553.15.258

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.14.275
	500	553.14.276
	550	553.14.277
	600	553.14.278
	650	553.14.279
122	450	553.15.275
	500	553.15.276
	550	553.15.277
	600	553.15.278

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Classic drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.36.221
	300	553.36.222
	350	553.36.223
	400	553.36.224
	450	553.36.225
	500	553.36.226
	550	553.36.227
122	400	553.37.224
	450	553.37.225
	500	553.37.226
	550	553.37.227

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.236
	550	553.36.237
	600	553.36.238
	650	553.36.239
122	500	553.37.236
	550	553.37.237
	600	553.37.238

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Classic drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit

NOVA PRO DRAWERS - WHITE CLASSIC DRAWER SET

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
63	400	553.13.754
	450	553.13.755
	500	553.13.756
	550	553.13.757
90	270	553.14.751
	300	553.14.752
	350	553.14.753
	400	553.14.754
	450	553.14.755
	500	553.14.756
	550	553.14.757
	600	553.14.758
122	400	553.15.754
	450	553.15.755
	500	553.15.756
	550	553.15.757

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.14.775
	500	553.14.776
	550	553.14.777
	600	553.14.778
122	450	553.15.775
	500	553.15.776
	550	553.15.777

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Classic drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	270	553.36.721
	300	553.36.722
	350	553.36.723
	400	553.36.724
	450	553.36.725
	500	553.36.726
	550	553.36.727
122	400	553.37.724
	450	553.37.725
	500	553.37.726
	550	553.37.727

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.736
	550	553.36.737
	600	553.36.738
122	500	553.37.736
	550	553.37.737

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Classic drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit

NOVA PRO DRAWERS - SILVER CLASSIC DRAWER SET WITH ROUND RAIL

WITH AIRMATIC RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.26.212
	350	553.26.213
	400	553.26.214
	450	553.26.215
	500	553.26.216
	550	553.26.217
122	600	553.26.218
	400	553.27.214
	450	553.27.215
	500	553.27.216
	550	553.27.217
	600	553.27.218

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.26.235
	500	553.26.236
	550	553.26.237
	600	553.26.238
	650	553.26.239
122	450	553.27.235
	500	553.27.236
	550	553.27.237
	600	553.27.238

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Classic drawer sides

> 1 pair Airmatic runners (40 or 70 kg)

> 1 set Nova Pro front hooks and cover caps

> 1 set Round gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material:

> Drawer Side Finish:

> Weight Capacity (kg):

> Runner Function:
- Steel drawer

Powder coated, Silver metallic

40 or 70

Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.36.242
	350	553.36.243
	400	553.36.244
	450	553.36.245
	500	553.36.246
	550	553.36.247
122	400	553.37.244
	450	553.37.245
	500	553.37.246
	550	553.37.247
	600	553.37.248

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.256
	550	553.36.257
	600	553.36.258
	650	553.36.259
122	500	553.37.256
	550	553.37.257
	600	553.37.258

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro Silver Classic drawer sides

> 1 pair Tipmatic Plus runners (40 or 70 kg)

> 1 set Nova Pro front hooks and cover caps

> 1 pair Tipmatic Plus locking units

> 1 set Tipmatic Plus 1200 mm synchronisation unit

> 1 set Round gallery rails

NOVA PRO DRAWERS - WHITE CLASSIC DRAWER SET WITH ROUND RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.26.712
	350	553.26.713
	400	553.26.714
	450	553.26.715
	500	553.26.716
	550	553.26.717
122	400	553.27.714
	450	553.27.715
	500	553.27.716
	550	553.27.717

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.26.735
	500	553.26.736
	550	553.26.737
	600	553.26.738
122	450	553.27.735
	500	553.27.736
	550	553.27.737

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Classic drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Round gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.36.742
	350	553.36.743
	400	553.36.744
	450	553.36.745
	500	553.36.746
	550	553.36.747
122	400	553.37.744
	450	553.37.745
	500	553.37.746
	550	553.37.747

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.756
	550	553.36.757
	600	553.36.758
122	500	553.37.756
	550	553.37.757

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Classic drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Round gallery rails

NOVA PRO DRAWERS - SILVER CLASSIC DRAWER SET WITH RECTANGULAR RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.26.252
	350	553.26.253
	400	553.26.254
	450	553.26.255
	500	553.26.256
	550	553.26.257
122	600	553.26.258
	400	553.27.254
	450	553.27.255
	500	553.27.256
	550	553.27.257
	600	553.27.258

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.26.275
	500	553.26.276
	550	553.26.277
	600	553.26.278
	650	553.26.279
122	450	553.27.275
	500	553.27.276
	550	553.27.277
	600	553.27.278

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Classic drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Rectangular gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.36.262
	350	553.36.263
	400	553.36.264
	450	553.36.265
	500	553.36.266
	550	553.36.267
122	400	553.37.264
	450	553.37.265
	500	553.37.266
	550	553.37.267

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.276
	550	553.36.277
	600	553.36.278
	650	553.36.279
122	500	553.37.276
	550	553.37.277
	600	553.37.278

Packing: 10 sets

**Supplied with:**

- > 1 pair Nova Pro Silver Classic drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Rectangular gallery rails

NOVA PRO DRAWERS - WHITE CLASSIC DRAWER SET WITH RECTANGULAR RAIL

WITH AIRMATIC RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Pull to open with soft close

40 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.26.752
	350	553.26.753
	400	553.26.754
	450	553.26.755
	500	553.26.756
	550	553.26.757
	600	553.26.758
122	400	553.27.754
	450	553.27.755
	500	553.27.756
	550	553.27.757

Packing: 10 sets

70 KG AIRMATIC RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	450	553.26.775
	500	553.26.776
	550	553.26.777
	600	553.26.778
122	450	553.27.775
	500	553.27.776
	550	553.27.777

Packing: 10 sets



Supplied with:

- > 1 pair Nova Pro White Classic drawer sides
- > 1 pair Airmatic runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 set Rectangular gallery rails

WITH TIPMATIC PLUS RUNNERS



- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, White
- > Weight Capacity (kg): 40 or 70
- > Runner Function: Push to open with manual close for handle free drawers

40 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	300	553.36.762
	350	553.36.763
	400	553.36.764
	450	553.36.765
	500	553.36.766
	550	553.36.767
	600	553.36.768
122	400	553.37.764
	450	553.37.765
	500	553.37.766
	550	553.37.767

Packing: 10 sets

70 KG TIPMATIC PLUS RUNNER

Drawer height (mm)	Drawer length (mm)	Cat. No.
90	500	553.36.776
	550	553.36.777
	600	553.36.778
	650	553.36.779
122	500	553.37.776
	550	553.37.777

Packing: 10 sets

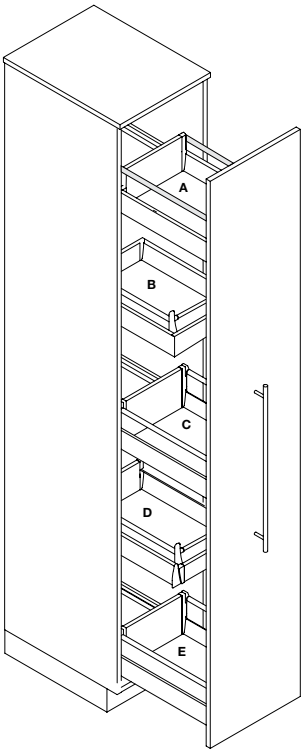


Supplied with:

- > 1 pair Nova Pro White Deluxe drawer sides
- > 1 pair Tipmatic Plus runners (40 or 70 kg)
- > 1 set Nova Pro front hooks and cover caps
- > 1 pair Tipmatic Plus locking units
- > 1 set Tipmatic Plus 1200 mm synchronisation unit
- > 1 set Rectangular gallery rails

NOVA PRO DRAWERS

PULL OUT LARDER UNIT SET



> Area of application: The flexible solution where Nova Pro drawers are connected to the front panel, or can be extended separately

Version A - For hinged door application

- A = Internal drawer with rectangular rail and internal front panel
- B = Internal drawer with rectangular rail and internal front panel
- C = Internal drawer with rectangular rail and internal front panel
- D = Internal drawer with rectangular rail and internal front panel
- E = Internal drawer with rectangular rail and internal front panel

Version B - For fixed front panel application

- A = Drawer with rectangular rail (attached to front panel)
- B = Internal drawer with rectangular rail and internal front panel
- C = Drawer with rectangular rail (attached to front panel)
- D = Internal drawer with rectangular rail and internal front panel
- E = Drawer with rectangular rail (attached to front panel)



Supplied with:

- > 5 x Nova Pro drawer sides (90 x 500 mm)
- > 5 x Airmatic runners (40 kg)
- > 5 x Nova Pro front hooks and cover caps (where applicable)
- > 5 x Rectangular gallery rails
- > Internal front panels and brackets (where applicable)

Drawer type	Version	To suit cabinet width (mm)	Cat. No.
Silver Deluxe	A	600	553.28.290
	B	600	553.28.291
	A	1200	553.28.292
White Deluxe	A	600	553.28.790
	B	600	553.28.791
	A	1200	553.28.792
Silver Classic	A	600	553.26.290
	B	600	553.26.291
	A	1200	553.26.292
White Classic	A	600	553.26.790
	B	600	553.26.791
	A	1200	553.26.792

Packing: 10 sets



AVAILABLE MID 2017

OIL DAMPENED
RUNNER

TIPMATIC WITH
SOFT CLOSE

NOVA PRO SCALA

COMING SOON



NOVA PRO DRAWERS - TRADE PACKS

90 MM

- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic or White
- > Weight Capacity (kg): 40
- > Runner Function: Pull to open with soft close

SILVER DELUXE

Drawer length (mm)	Cat. No.
500	553.17.286

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 90 mm Nova Pro Silver Deluxe drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks

WHITE DELUXE

Drawer length (mm)	Cat. No.
500	553.17.786

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 90 mm Nova Pro White Deluxe drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks

SILVER CLASSIC

Drawer length (mm)	Cat. No.
500	553.14.286

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 90 mm Nova Pro Silver Classic drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks
- > 50 pieces of Nova Pro Silver Classic cover caps

WHITE CLASSIC

Drawer length (mm)	Cat. No.
500	553.14.786

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 90 mm Nova Pro White Classic drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks
- > 50 pieces of Nova Pro White Classic cover caps

122 MM

- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic or White
- > Weight Capacity (kg): 40
- > Runner Function: Pull to open with soft close

SILVER DELUXE

Drawer length (mm)	Cat. No.
500	553.18.286

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 122 mm Nova Pro Silver Deluxe drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks

WHITE DELUXE

Drawer length (mm)	Cat. No.
500	553.18.786

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 122 mm Nova Pro White Deluxe drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks

SILVER CLASSIC

Drawer length (mm)	Cat. No.
500	553.15.286

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 122 mm Nova Pro Silver Classic drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks
- > 50 pieces of Nova Pro Silver Classic cover caps

WHITE CLASSIC

Drawer length (mm)	Cat. No.
500	553.15.786

Packing: 25 sets

**Supplied with:**

- > 25 pairs of 122 mm Nova Pro White Classic drawer sides
- > 25 pairs of Nova Pro 40 kg Airmatic runners
- > 50 pieces of Nova Pro knock-in front hooks
- > 50 pieces of Nova Pro White Classic cover caps

**Note:**

Can only be purchased in complete pack units.

NOVA PRO DRAWERS - INDUSTRIAL PACKS

90 MM

- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic or White
- > Weight Capacity (kg): 40
- > Runner Function: Pull to open with soft close

SILVER DELUXE

Drawer length (mm)	Cat. No.
500	553.17.296

Packing: 150 sets



Supplied with:

- > 150 pairs of 90 mm Nova Pro Silver Deluxe drawer sides
- > 150 pairs of Nova Pro 40 kg Airmatic runners
- > 300 piece of Nova Pro knock-in front hooks

SILVER CLASSIC

Drawer length (mm)	Cat. No.
500	553.14.296

Packing: 150 sets



Supplied with:

- > 150 pairs of 90 mm Nova Pro Silver Classic drawer sides
- > 150 pairs of Nova Pro 40 kg Airmatic runners
- > 300 pieces of Nova Pro knock-in front hooks
- > 300 pieces of Nova Pro Silver Classic cover caps

WHITE CLASSIC

Drawer length (mm)	Cat. No.
500	553.14.796

Packing: 150 sets



Supplied with:

- > 150 pairs of 90 mm Nova Pro White Classic drawer sides
- > 150 pairs of Nova Pro 40 kg Airmatic runners
- > 300 pieces of Nova Pro knock-in front hooks
- > 300 pieces of Nova Pro White Classic cover caps

122 MM

- > Material: Steel drawer
- > Drawer Side Finish: Powder coated, Silver metallic or White
- > Weight Capacity (kg): 40
- > Runner Function: Pull to open with soft close

SILVER DELUXE

Drawer length (mm)	Cat. No.
500	553.18.296

Packing: 50 sets



Supplied with:

- > 50 pairs of 122 mm Nova Pro Silver Deluxe drawer sides
- > 50 pairs of Nova Pro 40 kg Airmatic runners
- > 100 piece of Nova Pro knock-in front hooks

SILVER CLASSIC

Drawer length (mm)	Cat. No.
500	553.15.296

Packing: 50 sets



Supplied with:

- > 50 pairs of 122 mm Nova Pro Silver Classic drawer sides
- > 50 pairs of Nova Pro 40 kg Airmatic runners
- > 100 pieces of Nova Pro knock-in front hooks
- > 100 pieces of Nova Pro Silver Classic cover caps

WHITE CLASSIC

Drawer length (mm)	Cat. No.
500	553.15.796

Packing: 50 sets



Supplied with:

- > 50 pairs of 122 mm Nova Pro White Classic drawer sides
- > 50 pairs of Nova Pro 40 kg Airmatic runners
- > 100 pieces of Nova Pro knock-in front hooks
- > 100 pieces of Nova Pro White Classic cover caps



Note:

Can only be purchased in complete pack units.

NOVA PRO DRAWER COMPONENTS

90 MM SILVER DELUXE DRAWER SIDES



> Material:	Steel
> Finish:	Powder coated, Silver metallic

Drawer length (mm)	Cat. No.
270	553.10.228
300	553.10.231
350	553.10.236
400	553.10.241
450	553.10.246
500	553.10.251
550	553.10.256
600	553.10.261
650	553.10.266

Packing: 10 pairs

90 MM SILVER DELUXE DRAWER SIDES - BULK PACK

Drawer length (mm)	Cat. No.
500	553.10.250

Packing: 150 pairs

122 MM SILVER DELUXE DRAWER SIDES



> Material:	Steel
> Finish:	Powder coated, Silver metallic

Drawer length (mm)	Cat. No.
400	553.10.741
450	553.10.746
500	553.10.751
550	553.10.756
600	553.10.761

Packing: 10 pairs

122 MM SILVER DELUXE DRAWER SIDES BULK PACK

Drawer length (mm)	Cat. No.
500	553.10.750

Packing: 50 pairs



Note:
Bulk pack drawer sides can only be purchased in complete pack quantities

90 MM WHITE DELUXE DRAWER SIDES



> Material:	Steel
> Finish:	Powder coated, White

Drawer length (mm)	Cat. No.
270	553.10.729
300	553.10.732
350	553.10.737
400	553.10.742
450	553.10.747
500	553.10.752
550	553.10.757
600	553.10.762

Packing: 10 pairs

122 MM WHITE DELUXE DRAWER SIDES



> Material:	Steel
> Finish:	Powder coated, White

Drawer length (mm)	Cat. No.
400	553.11.741
450	553.11.746
500	553.11.751
550	553.11.756
600	553.11.761

Packing: 10 pairs

NOVA PRO DRAWER COMPONENTS

90 MM SILVER DELUXE CRYSTAL DRAWER SIDES



- > Material: Steel
- > Finish: Powder coated, Silver Metallic

Drawer length (mm)	Cat. No.
300	553.08.201
350	553.08.202
400	553.08.203
450	553.08.204
500	553.08.205
550	553.08.206
600	553.08.207
650	553.08.208

Packing: 10 pairs

90 MM WHITE DELUXE CRYSTAL DRAWER SIDES



- > Material: Steel
- > Finish: Powder coated, White

Drawer length (mm)	Cat. No.
300	553.08.701
350	553.08.702
400	553.08.703
450	553.08.704
500	553.08.705
550	553.08.706
600	553.08.707
650	553.08.708

Packing: 10 pairs

DELUXE CRYSTAL FASTENING SET



To suit drawer finish	Cat. No.
Silver	553.08.999
White	553.08.799

Packing: 10 sets

CRYSTAL SIDE ELEMENTS



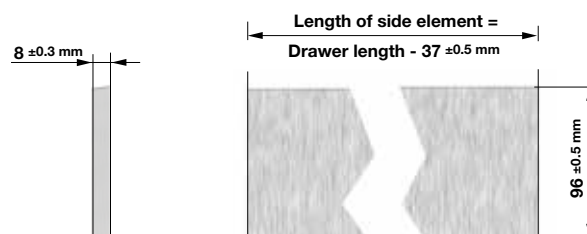
- > Material: Toughened glass
- > Finish: Frosted
- > Thickness (mm): 8

To suit drawer length (mm)	Panel size (mm)	Cat. No.
300	263 x 96	553.08.211
350	313 x 96	553.08.212
400	363 x 96	553.08.213
450	413 x 96	553.08.214
500	463 x 96	553.08.215
550	513 x 96	553.08.216
600	563 x 96	553.08.217
650	613 x 96	553.08.218

Packing: 10 pairs



Note:
The Crystal side element can be manufactured in any material with a thickness of 8 mm (e.g. glass, perspex, timber etc.)



NOVA PRO DRAWER COMPONENTS

63 MM SILVER CLASSIC DRAWER SIDES



- > Material: Steel
> Finish: Powder coated, Silver metallic

Drawer length (mm)	Cat. No.
400	553.04.241
450	553.04.246
500	553.04.251
550	553.04.256

Packing: 10 pairs

90 MM SILVER CLASSIC DRAWER SIDES



- > Material: Steel
> Finish: Powder coated, Silver metallic

Drawer length (mm)	Cat. No.
270	553.05.228
300	553.05.231
350	553.05.236
400	553.05.241
450	553.05.246
500	553.05.251
550	553.05.256
600	553.05.261
650	553.05.265

Packing: 10 pairs

90 MM SILVER CLASSIC DRAWER SIDES - BULK PACK

Drawer length (mm)	Cat. No.
500	553.05.250

Packing: 50 pairs



Note:
Bulk pack drawer sides can only be purchased in complete pack quantities

122 MM SILVER CLASSIC DRAWER SIDES



- > Material: Steel
> Finish: Powder coated, Silver Metallic

Drawer length (mm)	Cat. No.
400	553.06.241
450	553.06.246
500	553.06.251
550	553.06.256
600	553.06.261

Packing: 10 pairs

122 MM SILVER CLASSIC DRAWER SIDES - BULK PACK

Drawer length (mm)	Cat. No.
500	553.06.250

Packing: 50 pairs



Note:
Bulk pack drawer sides can only be purchased in complete pack quantities

NOVA PRO DRAWER COMPONENTS

63 MM WHITE CLASSIC DRAWER SIDES



- > Material: Steel
- > Finish: Powder coated, White

Drawer length (mm)	Cat. No.
400	553.04.741
450	553.04.746
500	553.04.751
550	553.04.756

Packing: 10 pairs

90 MM WHITE CLASSIC DRAWER SIDES



- > Material: Steel
- > Finish: Powder coated, White

Drawer length (mm)	Cat. No.
270	553.05.728
300	553.05.731
350	553.05.736
400	553.05.741
450	553.05.746
500	553.05.751
550	553.05.756
600	553.05.761

Packing: 10 pairs

90 MM WHITE CLASSIC DRAWER SIDES - BULK PACK

Drawer length (mm)	Cat. No.
500	553.05.750

Packing: 150 pairs



Note:
Bulk pack drawer sides can only be purchased in complete pack quantities

122 MM WHITE CLASSIC DRAWER SIDES



- > Material: Steel
- > Finish: Powder coated, White

Drawer length (mm)	Cat. No.
400	553.06.741
450	553.06.746
500	553.06.751
550	553.06.756

Packing: 10 sets

122 MM WHITE CLASSIC DRAWER SIDES - BULK PACK

Drawer length (mm)	Cat. No.
500	553.06.750

Packing: 50 pairs

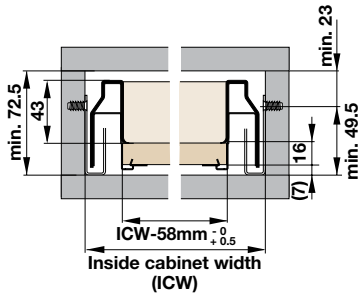


Note:
Bulk pack drawer sides can only be purchased in complete pack quantities

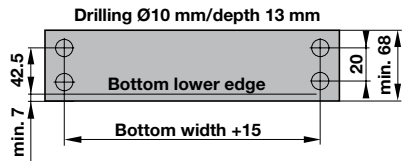
INSTALLATION DETAILS

MEASUREMENTS FOR NOVA PRO DRAWERS
CLASSIC - HEIGHT 63 MM

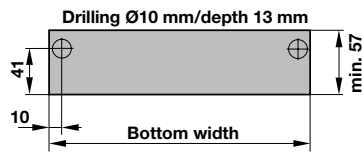
Dimensional Sketch



Front

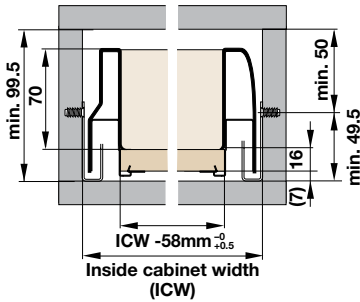


Back Panel

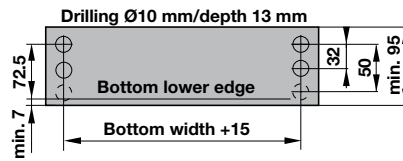


CLASSIC / DELUXE - HEIGHT 90 MM

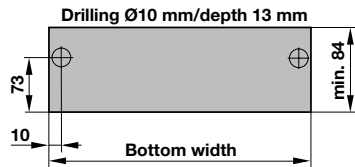
Dimensional Sketch



Front

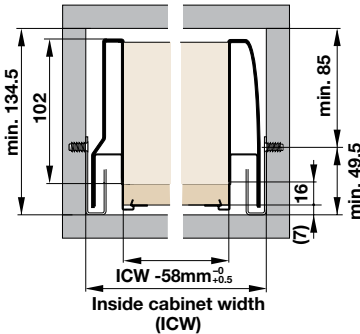


Back Panel

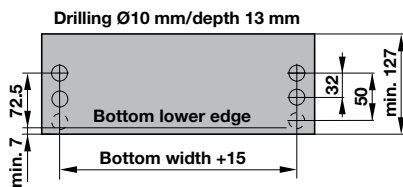


CLASSIC / DELUXE - HEIGHT 122 MM

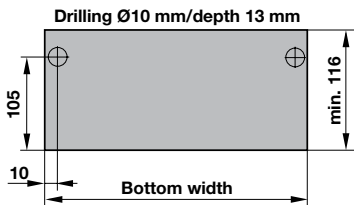
Dimensional Sketch



Front

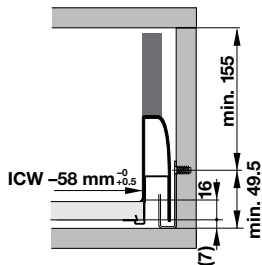


Back Panel

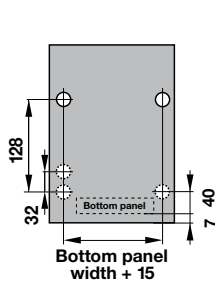


DELUXE CRYSTAL - HEIGHT 90 MM

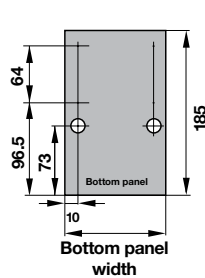
Dimensional Sketch



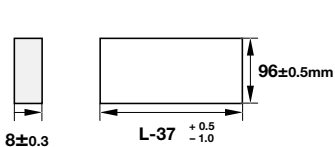
Front



Back Panel



Glass Panel



NOVA PRO RUNNERS

40 KG AIRMATIC RUNNERS



- > Material: Steel and plastic
- > Finish: Grey end cap

Drawer length (mm)	Cat. No.
270	553.00.927
300	553.00.930
350	553.00.935
400	553.00.940
450	553.00.945
500	553.00.950
550	553.00.956
600	553.00.961

Packing: 10 pairs

40 KG AIRMATIC RUNNERS - BULK PACK

Drawer length (mm)	Cat. No.
500	553.00.907

Packing: 25 pairs



Note:
Bulk pack runners can only be purchased in complete pack quantities

70 KG AIRMATIC RUNNERS

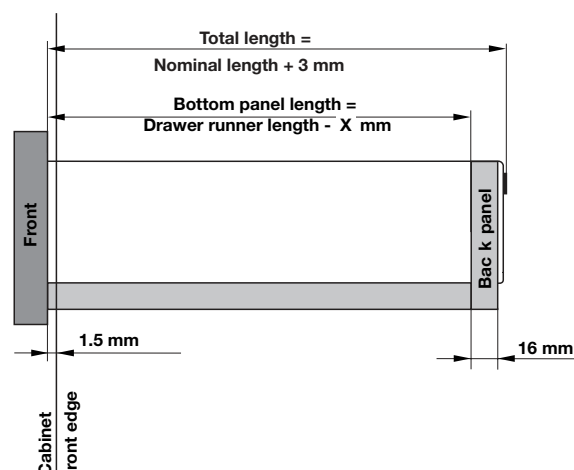


- > Material: Steel and plastic
- > Finish: Grey end cap

Drawer length (mm)	Cat. No.
450	553.01.946
500	553.01.951
550	553.01.956
600	553.01.961
650	553.01.966

Packing: 10 pairs

Installation measurements

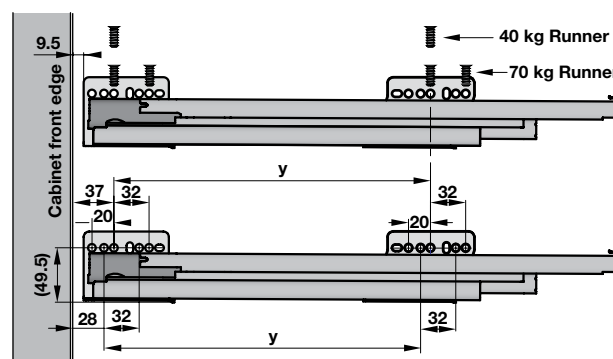


	Measurement y (mm)
Wooden back panel	19
Steel back panel	13

Technical Information:

- > Bottom panel thickness 16 mm

Screw position



Drawer length (mm)	Measurement y (mm)
270	160
300 - 400	224
450 - 600	288
650	352

Technical Information:

- > Recommended runner mounting: Euro screw Ø6 x 13 mm

NOVA PRO RUNNERS

40 KG V3 LIQUID RUNNERS



- > Material: Steel and plastic
- > Finish: Grey end cap

Drawer length (mm)	Cat. No.
270	551.80.926
300	551.80.933
350	551.80.938
400	551.80.943
450	551.80.948
500	551.80.953
550	551.80.958
600	551.80.963

Packing: 1 pair

40 KG V3 LIQUID RUNNERS - BULK PACK

Drawer length (mm)	Cat. No.
500	551.80.952

Packing: 20 pairs

**Note:**

Bulk pack runners can only be purchased in complete pack quantities

50 KG OVER EXTENSION V3 LIQUID RUNNERS

Drawer length (mm)	Cat. No.
500	551.80.152

Packing: 1 pair

70 KG V3 LIQUID RUNNERS



- > Material: Steel and plastic
- > Finish: Grey end cap

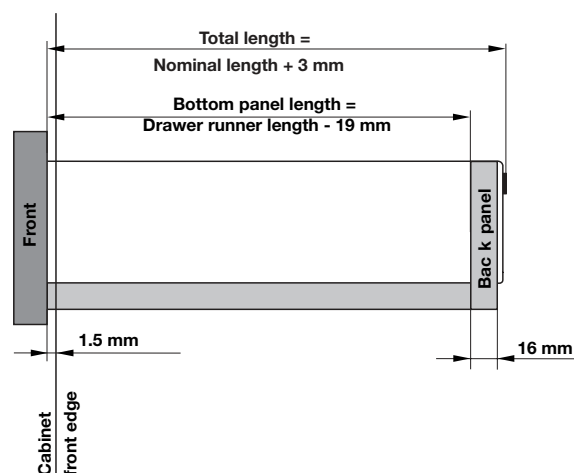
Drawer length (mm)	Cat. No.
450	551.80.747
500	551.80.752
550	551.80.757
600	551.80.762
650	551.80.767

Packing: 1 pair

**Note:**

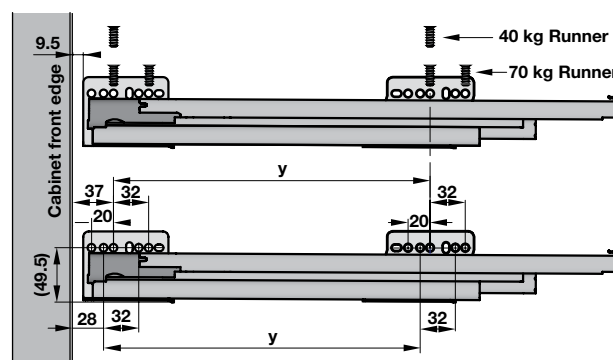
Nova Pro Tipmatic Soft Close Device is only compatible with V3 Liquid runners

Installation measurements

**Technical Information:**

- > Bottom panel thickness 16 mm

Screw position



Drawer length (mm)	Measurement y (mm)
270	160
300 - 400	224
450 - 600	288
650	352

Technical Information:

- > Recommended runner mounting: Euro screw Ø6 x 13 mm

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NOVA PRO RUNNERS - TIPMATIC PLUS FOR HANDLE FREE DRAWERS

40 KG TIPMATIC PLUS RUNNERS



> Material:	Steel and plastic
> Finish:	Grey end cap

Drawer length (mm)	Cat. No.
270	553.00.727
300	553.00.730
350	553.00.735
400	553.00.740
450	553.00.745
500	553.00.750
550	553.00.755

Packing: 10 pairs

70 KG TIPMATIC PLUS RUNNERS



> Material:	Steel and plastic
> Finish:	Black end cap

Drawer length (mm)	Cat. No.
500	553.01.750
550	553.01.755
600	553.01.760
650	553.01.765

Packing: 10 pairs

TIPMATIC PLUS LOCKING UNIT



	Cat. No.
	553.00.010

Packing: 10 pairs

Note:
1 pair of locking units required for each Tipmatic Plus runner.

TIPMATIC PLUS SYNCHRONISATION UNIT



> Material:	Aluminium and plastic
> Finish:	Grey

To suit cabinet width (mm)	Bar length (mm)	Cat. No.
450	329	557.99.145
1200	1079	557.99.196

Packing: 10 sets

Note:
1 set of synchronisation units required for each Tipmatic Plus runner.

TIPMATIC PLUS SYNCHRONISATION UNIT



	Cat. No.
Synchronisation bar, 1079 mm	433.11.001
Synchronisation lever	557.99.101

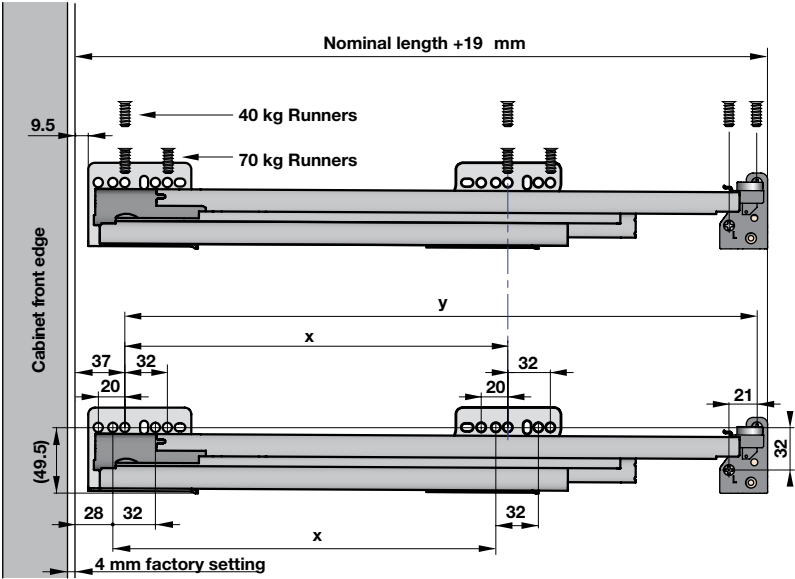
Packing: 10 pairs

Note:
2 pieces of synchronisation levers are needed for each synchronisation bar

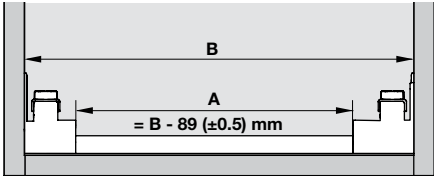
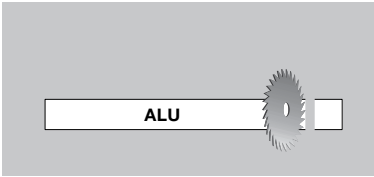
NOVA PRO RUNNERS

TIPMATIC PLUS FOR HANDLE FREE DRAWERS

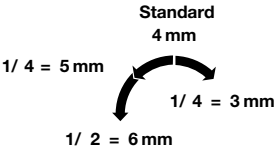
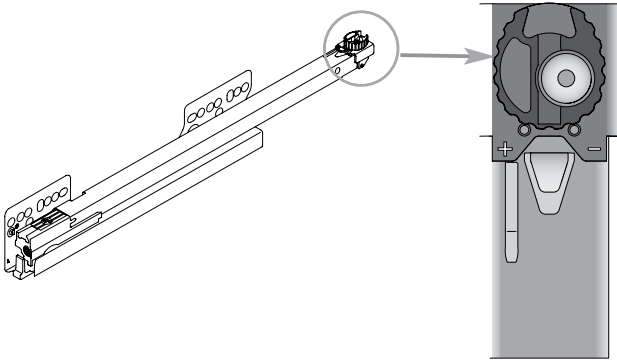
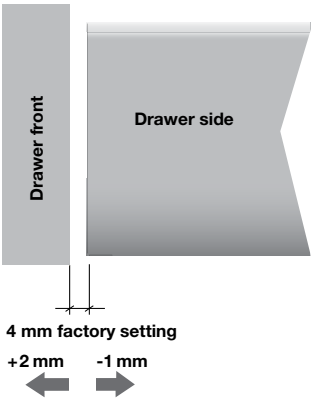
Screw fixing positions



Measurements	270	300	350	400	450	500	550	600	650
X	160	224	224	224	288	288	288	288	352
Y	243	273	323	373	423	473	523	573	623



Front depth adjustment



Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM

SENSOMATIC OPENING UNIT



> Material: Plastic, grey

Cat. No.
553.00.300

Packing: 1 piece



Note:

- > One opening unit required for each drawer up to width of 900 mm. For drawers wider than 900 mm, 2 opening units will be required.
- > Nova Pro drawer sides, runners and front hooks are to be ordered separately.

POWER SUPPLY SET



> Material: Plastic, black

Cat. No.
553.00.420

Packing: 1 piece



Note:

- > Up to 30 Sensomatic drawers can operate from one power supply set



Supplied with:

- > Power supply unit
- > Power cable

POWER SUPPLY MOUNTING CRADLE



- | | |
|------------------------|---|
| > Area of Application: | To allow fixing of the Sensomatic Power Supply Unit to the cabinet, inside of cabinet or to the wall. |
| > Features: | Installation and removal of Power Supply Unit possible with just one hand
No machining of cabinet required |
| > Material: | Plastic, black |

Cat. No.
553.00.336

Packing: 1 piece

FRAME SIDE SET



- | | |
|------------------|--------------------------------------|
| > Material: | Aluminium and plastic |
| > Fixing method: | Screw fix to top and base of cabinet |

To suit internal cabinet height (mm)	Bar length (mm)	Cat. No.
684	653	553.00.400
781	750	553.00.401
1201	1170	553.00.402

Packing: 10 sets



Note:

- > Frame sides can be cut to length if required.
(Frame side length = internal cabinet height less 31 mm).



Supplied with:

- > 1 Set frame sides (including frame side cable)
- > 2 Frame connectors
- > 2 Fixing brackets (top and bottom)

SPRING LOADED FRONT BUFFERS



- | | |
|---------------------------|---------------|
| > Drilling diameter (mm): | Ø 5 |
| > Drilling depth (mm): | Min. 11 |
| > Material: | Plastic, grey |

Front gap (mm)	Cat. No.
2.2	553.00.390
3	553.00.391
4	553.00.392

Packing: 100 pieces



Note:

- > For drawer fronts less than 300 mm height, only 2 front buffers are required.
For drawer fronts with height over 300 mm, 4 front buffers are required
- > Do not glue or drive in front buffers (push in only).

SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM

FRAME SET FOR TOP FIXING (SINGLE DRAWER ONLY)



- > Material: Steel and plastic
- > Finish: Galvanised and black
- > Fixing method: Screw fix to top of cabinet

Frame set height (mm)	Cat. No.
120	553.00.350
170	553.00.351

Packing: 1 set

FOR BASE FIXING (SINGLE DRAWER ONLY)



- > Material: Steel and plastic
- > Finish: Galvanised and black
- > Fixing method: Screw fix to base of cabinet

Frame set height (mm)	Cat. No.
120	553.00.380

Packing: 1 set

FOR SIDE FIXING (SINGLE DRAWER ONLY)



- > Material: Steel and plastic
- > Finish: Galvanised and black
- > Fixing method: Screw fix to side panel of cabinet RH or LH

Frame set height (mm)	Cat. No.
120	553.00.385

Packing: 1 set

FOR BACK PANEL FIXING (SINGLE DRAWER ONLY)



- > Material: Steel and plastic
- > Finish: Galvanised and black
- > Fixing method: Screw fix to back of cabinet

Frame set height (mm)	Cat. No.
120	553.00.413

Packing: 1 set

CONNECTION CABLE WITH 2-WAY ADAPTOR



- > Area of application: Used to connect separate cabinets using the Sensomatic opening system

Cable length (mm)	Cat. No.
1000	553.00.341
1600	553.00.342
2000	553.00.343

Packing: 1 piece

4-WAY ADAPTOR



Cat. No.
553.00.370

Packing: 1 piece

SYNCHRONISATION CABLE



- > Area of application: Will allow up to 3 opening units to be opened simultaneously

Cat. No.
553.00.360

Packing: 1 piece

SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM


SENSOMATIC SINGLE DRAWER SET



> Area of Application:	Designed to be used when only one drawer requires Sensomatic functionality, e.g. for use with a waste bin.
> Contains:	All Sensomatic components needed to operate one drawer (drawer and runners are to be ordered separately)

	Cat. No.
	553.00.492

Packing: 1 set

- **Supplied with:**
 - > 1 Piece Sensomatic opening unit
 - > 1 Piece Sensomatic single power supply unit and lead
 - > 1 Piece Sensomatic frame set 100 mm
 - > 4 Pieces Sensomatic spring loaded buffers (Ø5 mm)


SENSOMATIC FRIDGE SET




> Area of Application:	Designed to provide Sensomatic push to open functionality for integrated fridges. A short tap on the front opens the fridge door by approx. 5 cm to allow the end user to fully open the door.
------------------------	---

	Cat. No.
	553.00.450

Packing: 1 set

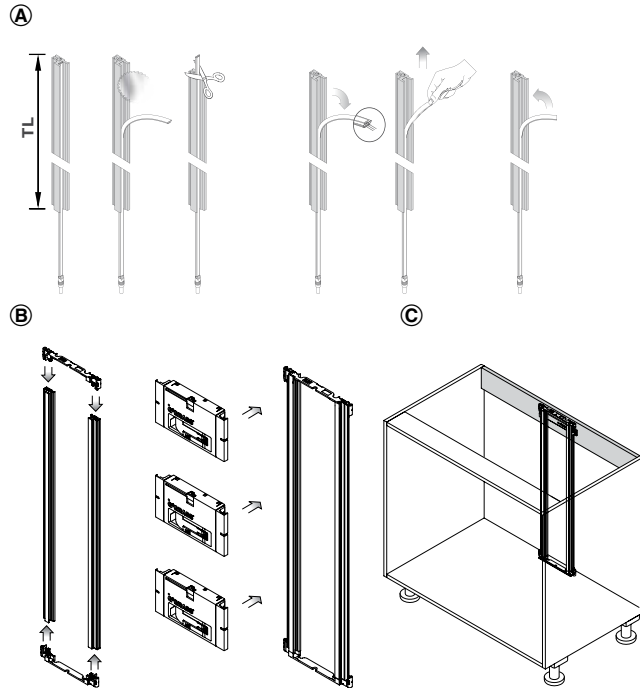
- **Note:**

Not suitable for fridge-freezers except Häfele Integrated Fridge-Freezer (Cat. No. 535.10.530)
- **Supplied with:**
 - > 1 Piece Sensomatic Fridge Drive Unit Set
 - > 1 Piece Sensomatic Fridge Power Supply Unit
 - > 1 Piece Sensomatic Fridge Sensor
 - > 1 Piece Sensomatic Fridge Power Cable

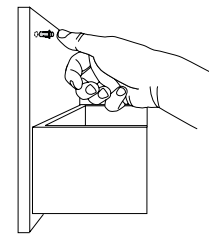
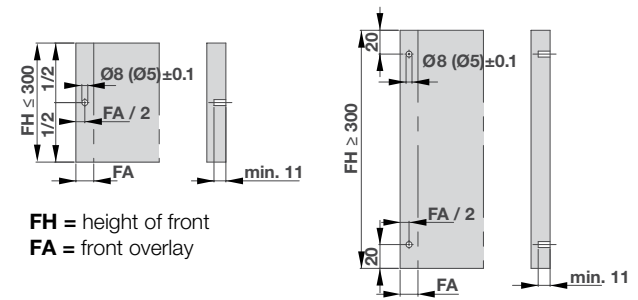
SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM

INSTALLATION DETAILS

Assembly and installation of frame side set



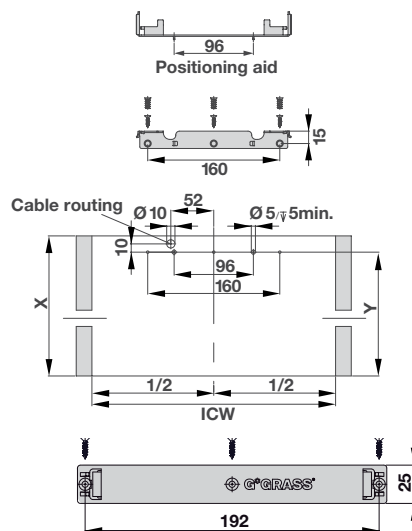
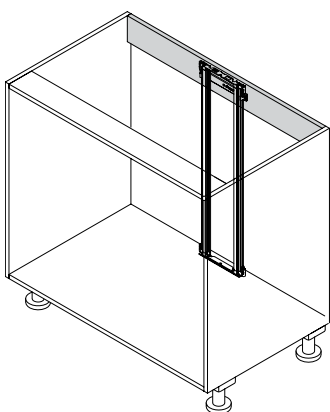
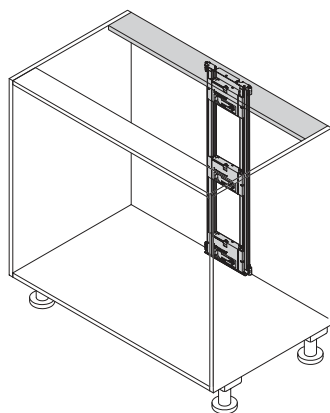
Installation of front buffers



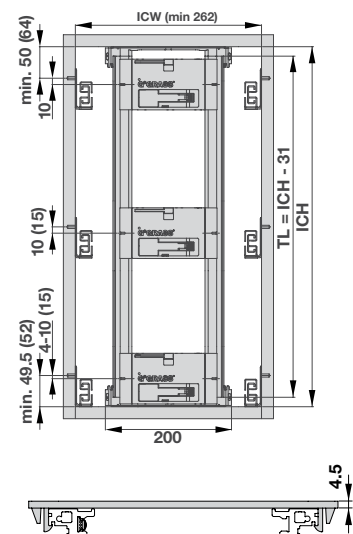
Note: Do not drive in or glue front buffers

Mounting details for frame side set

Base / top and base / back fixing (Nova Pro and Vionaro drawers)



ICW = Internal cabinet width
ICH = Internal cabinet height
TL = Length of frame side = ICH - 31 mm



Minimum Cabinet Depth (Internal)	Mounting Dimension
X	Y
Wood back panel	NL + 20 (NL + 20)
	NL + 5 (NL)

NL = nominal length of drawer runner

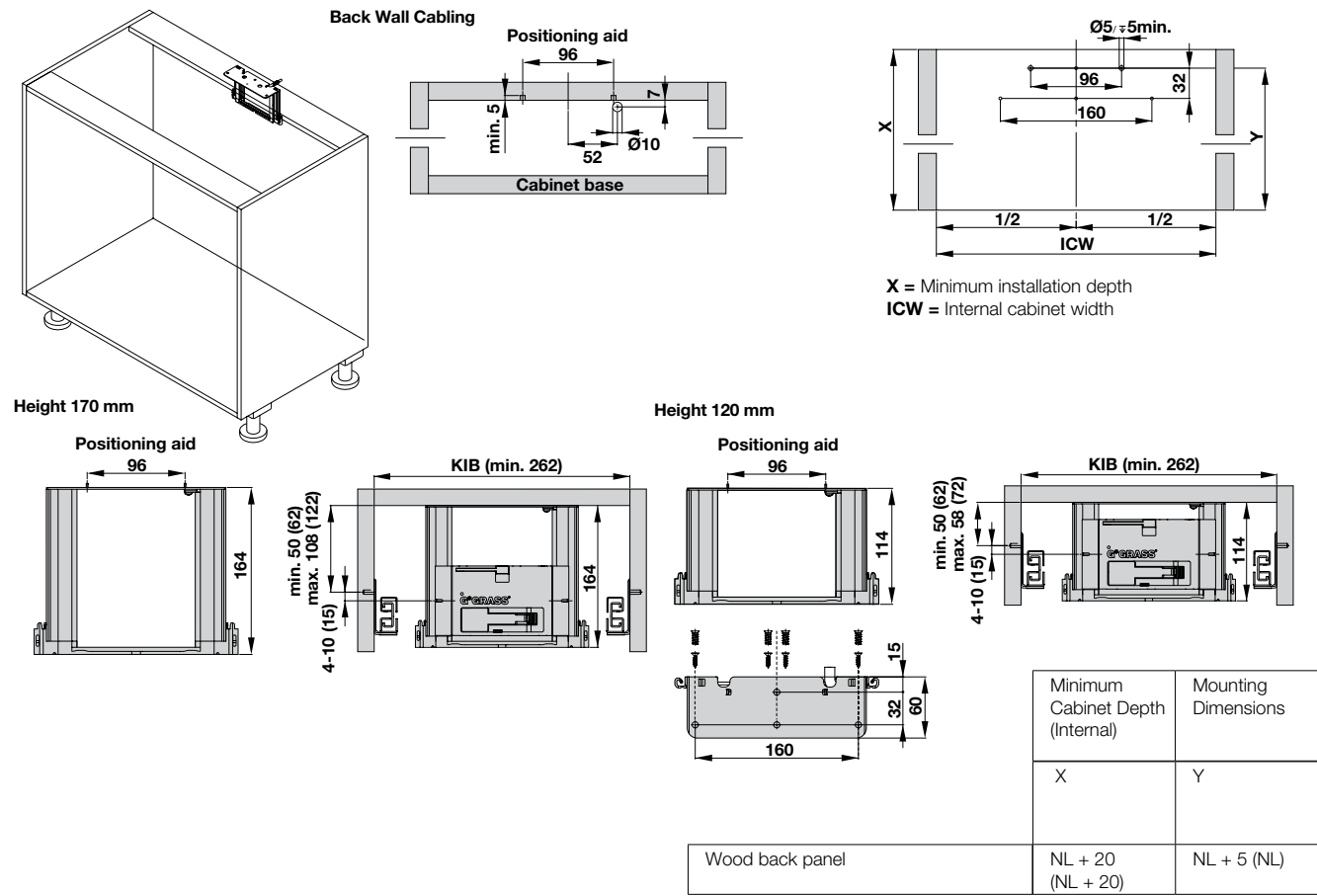


Note:
Figures in brackets refer to dimensions for Vionaro (mounting dimensions will differ from Nova Pro)

SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM

MOUNTING DETAILS FOR TOP RAIL FRAME SET (SINGLE DRAWER)

Nova Pro and Vionaro drawers



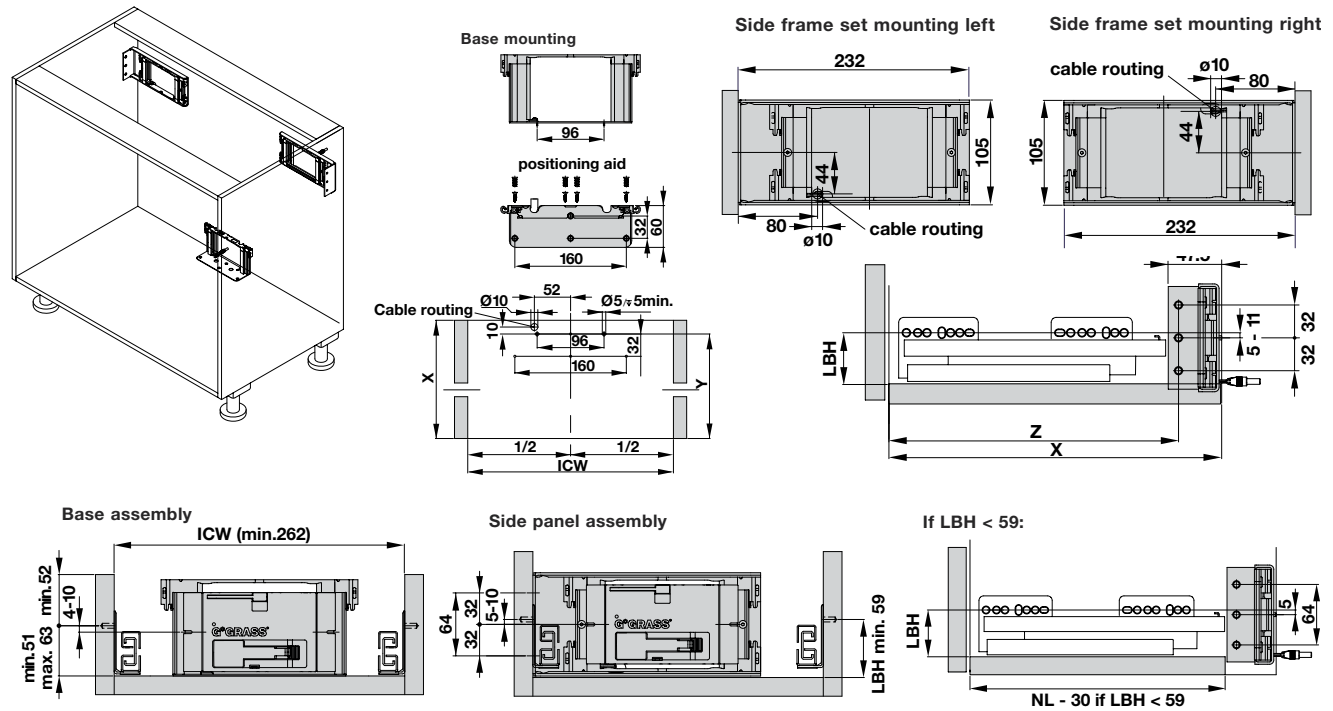
Note:
Figures in brackets refer to Vionaro
(mounting dimensions will differ from Nova Pro)

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

SENSOMATIC ELECTRO MECHANICAL OPENING SYSTEM

MOUNTING DETAILS FOR TOP RAIL FRAME SET (SINGLE DRAWER)

Nova Pro drawers only



X = Minimum installation depth

ICW = Internal cabinet width

Mounting dimensions	X	Y	Z
Wood back panel	NL + 26	NL + 5	NL - 16

NL = nominal length of cabinet slide

NL 300 is not possible

NOVA PRO DRAWER ACCESSORIES

SILVER RECTANGULAR GALLERY RAILING SET



- > Material: Steel and plastic
- > Finish: Powder coated, Silver Metallic and Silver plastic
- > Mounting: Screw fixing of front and back rail holders

To suit drawer length (mm)	Cat. No.
300	558.07.330
350	558.07.335
400	558.07.340
450	558.07.345
500	558.07.350
550	558.07.355
600	558.07.360
650	558.07.365

Packing: 10 sets

**Supplied with:**

- > 2 Rectangular Gallery Rails
- > 2 Cover sleeves
- > 2 Front rail holders
- > 2 Back rail holders

WHITE RECTANGULAR GALLERY RAILING SET



- > Material: Steel and plastic
- > Finish: Powder coated, White and White plastic
- > Mounting: Screw fixing of front and back rail holders

To suit drawer length (mm)	Cat. No.
300	558.07.830
350	558.07.835
400	558.07.840
450	558.07.845
500	558.07.850
550	558.07.855
600	558.07.860

Packing: 10 sets

**Supplied with:**

- > 2 Rectangular Gallery Rails
- > 2 Cover sleeves
- > 2 Front rail holders
- > 2 Back rail holders

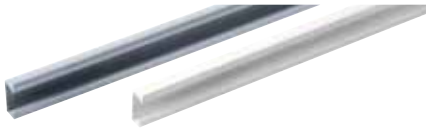
RECTANGULAR RAIL ACCESSORIES

	Finish	Cat. No.
Front clip with tilt adjustment, Screw-on	White	558.25.726
Front clip with tilt adjustment, Knock-in	White	558.25.735
Cover sleeve	White	558.25.780
	Silver	558.25.230
Rear clip, left hand	White	558.07.703
	Silver	558.07.203
Rear clip, right hand	White	558.07.702
	Silver	558.07.202

Packing: 100 pieces

NOVA PRO DRAWER ACCESSORIES

FILE RAILS



- > Area of Application: Converts a Nova Pro drawer into a file drawer
- > Material: Plastic
- > Finish: Silver or White
- > Length (mm): 1100
- > Designed for external cabinet width (mm): 428 (A4 files)

Finish	Cat. No.
Silver	558.15.293
White	558.15.793

Packing: 20 pieces



Note:

- > Required size: Drawer length - back panel thickness - 4.5 mm. Order rectangular gallery rail set and file rail fixing clips separately.

MOUNTING CLIPS FOR FILE RAILS STANDARD (WITHOUT TILT ADJUSTMENT)



Type - standard	Cat. No.
Front clip, White	558.17.706
Rear clip, White	558.17.724
Front clip, Silver	558.25.900
Rear clip, Silver	558.25.950

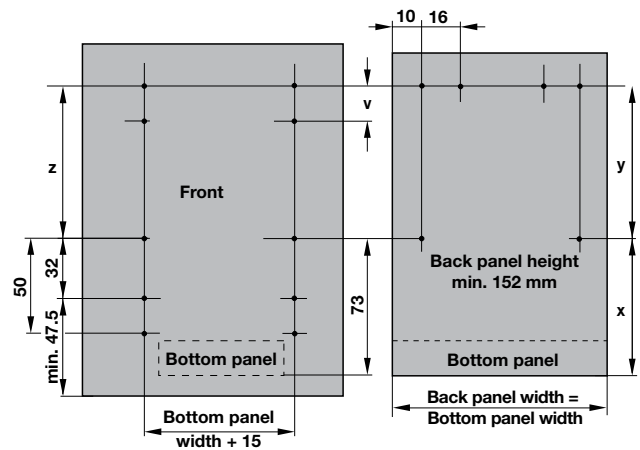
Packing: 100 pieces



Note:

- > 2 pieces each of front clip and rear clip are required for each drawer.

Screw on mounting

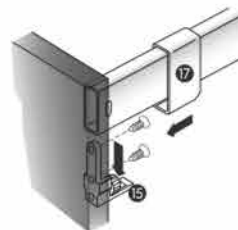


- Measurement Z** = 72 mm for 90 mm drawer sides
- Measurement Z** = 104 mm for 122 mm drawer sides
- Measurement Y** = 64 mm
- Measurement X** = 73 mm for 90 mm drawer sides
- Measurement X** = 105 mm for 122 mm drawer sides
- Measurement V** = 32 mm for railing sets without tilt adjustment
- Measurement V** = 20 mm for railing sets with tilt adjustment

Rail fixing on front panel

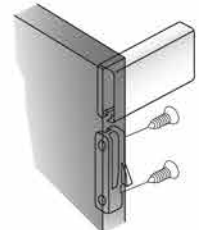
With Tilt Adjustment

Screw-on using standard screws Ø3.5 x 15 mm



Without Tilt Adjustment

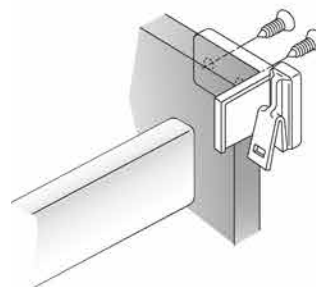
Screw-on using standard screws Ø3.5 x 15 mm for steel railings



Rail fixing on back panel

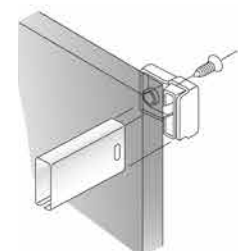
With Tilt Adjustment

Screw-on using standard screws Ø3.5 x 15 mm



Without Tilt Adjustment

Screw-on using standard screws Ø3.5 x 15 mm for steel railings



NOVA PRO DRAWER ACCESSORIES

SILVER ROUND GALLERY RAILING SET



- > Material: Steel and plastic
- > Finish: Powder coated, Silver Metallic and Anthracite plastic
- > Mounting: Timber: Screw fixing of front and back rail holders

Drawer length (mm)	Cat. No.
300	558.02.930
350	558.02.935
400	558.02.940
450	558.02.945
500	558.02.950
550	558.02.955
600	558.02.960
650	558.02.965

Packing: 10 sets

**Supplied with:**

- > 2 Round gallery rails
- > 2 Cover sleeves
- > 2 Front rail holders
- > 2 Back rail holders

WHITE ROUND GALLERY RAILING SET



- > Material: Steel and plastic
- > Finish: Powder coated, White and Anthracite plastic
- > Mounting: Screw fixing of front and back rail holders

Drawer length (mm)	Cat. No.
300	558.02.830
350	558.02.835
400	558.02.840
450	558.02.845
500	558.02.850
550	558.02.855
600	558.02.860

Packing: 10 sets

**Supplied with:**

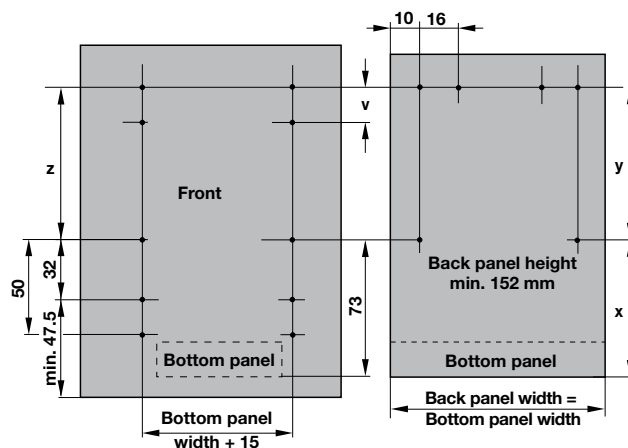
- > 2 Round gallery rails
- > 2 Cover sleeves
- > 2 Front rail holders
- > 2 Back rail holders

ROUND RAIL ACCESSORIES

Finish		Cat. No.
Anthracite	Front clip, screw-on	558.02.511
	Front clip, knock-in	558.02.510
	Cover sleeve	558.02.500
	Rear clip, left hand	558.02.531
	Rear clip, right hand	558.02.530

Packing: 100 pieces

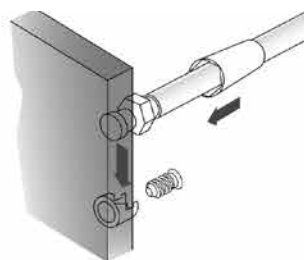
Screw on mounting

**Measurement Z** = 64 mm for 90 mm drawer sides**Measurement Z** = 96 mm for 122 mm drawer sides**Measurement Y** = 64 mm**Measurement X** = 73 mm for 90 mm drawer sides**Measurement X** = 105 mm for 122 mm drawer sides

Rail fixing on front panel

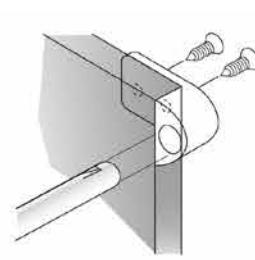
Screw-on

Front railing clip, screw-on version with standard Ø3.5 mm or special Euro screws.



Rail fixing on timber back panel

Back railing clip, screw-on, using screw Ø3.5 x 15 mm.



reserve the right to alter specifications without notice

Dimensions in mm Dimensional data not binding. Imag

NOVA PRO DRAWER ACCESSORIES

RECTANGULAR CROSS RAILING SET SILVER



- > Material: Steel and plastic
- > Finish: Powder coated, Silver Metallic and Silver plastic

To suit drawer width (mm)	Cat. No.
1000	558.05.191

Packing: 10 sets



- Supplied with:**
- > 2 Cross railing holders
 - > 2 Cross rail

RECTANGULAR CROSS RAILING SET WHITE



- > Material: Steel and plastic
- > Finish: Powder coated, White and White plastic

To suit drawer width (mm)	Cat. No.
1000	558.05.390

Packing: 10 sets



- Supplied with:**
- > 2 Cross railing holders
 - > 2 Cross rail

ROUND CROSS RAILING SET SILVER



- > Material: Steel and plastic
- > Finish: Powder coated, Silver Metallic and Anthracite plastic

To suit drawer width (mm)	Cat. No.
1000	558.01.998

Packing: 10 sets



- Supplied with:**
- > 2 Cross railing holders
 - > 2 Cross rail

ROUND CROSS RAILING SET WHITE



- > Material: Steel and plastic
- > Finish: Powder coated, White and Anthracite plastic

To suit drawer width (mm)	Cat. No.
1000	558.01.698

Packing: 10 sets



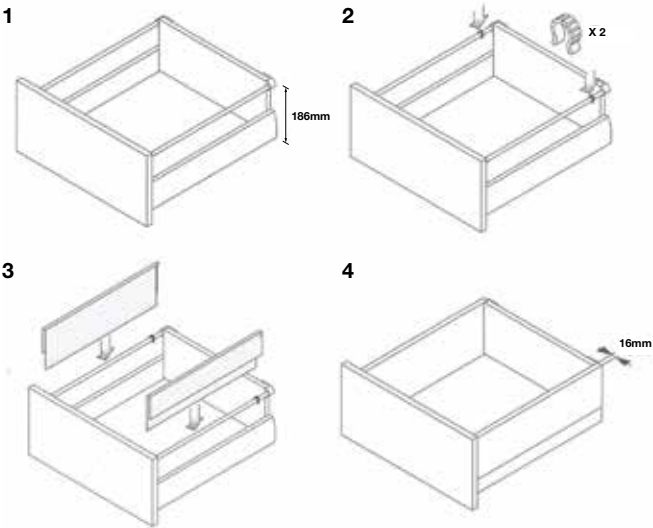
- Supplied with:**
- > 2 Cross railing holders
 - > 2 Cross rail

NOVA PRO DRAWER ACCESSORIES

DUOWING
FOR NOVA PRO DELUXE DRAWERS



Installation



Finish	Drawer length (mm)	Cat. No.
Silver	270	559.85.911
	300	559.85.912
	350	559.85.913
	400	559.85.914
	450	559.85.915
	500	559.85.916
	550	559.85.917
	600	559.85.918
White	650	559.85.919
	270	559.85.711
	300	559.85.712
	350	559.85.713
	400	559.85.714
	450	559.85.715
	500	559.85.716
	550	559.85.717
	600	559.85.718
	650	559.85.719

Packing: 10 pairs



- Supplied with:**
- > 1 Pair of Nova Pro Duowing Deluxe
 - > 4 Clips for round gallery railing
 - > 2 Clips for rectangular gallery railing

SPARE MOUNTING CLIPS



	Packing	Cat. No.
For round gallery railing	20	559.85.990
For rectangular gallery railing	40	559.85.991

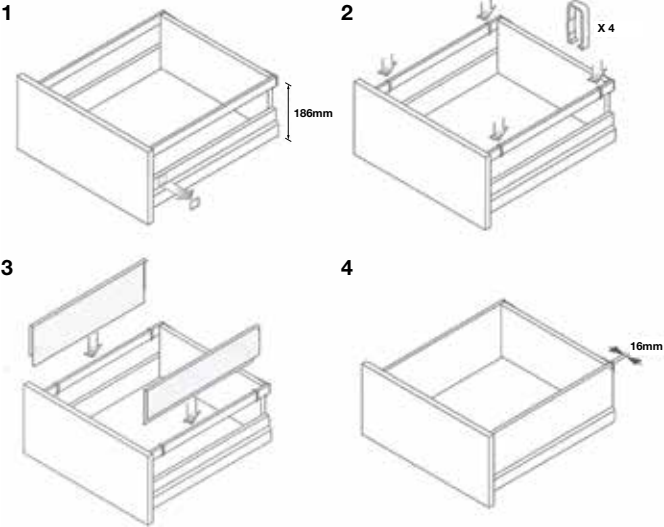
Packing: 20 or 40 pieces

NOVA PRO DRAWER ACCESSORIES

DUOWING
FOR NOVA PRO CLASSIC DRAWERS



Installation



Finish	Drawer length (mm)	Cat. No.
Silver	270	559.85.901
	300	559.85.902
	350	559.85.903
	400	559.85.904
	450	559.85.905
	500	559.85.906
	550	559.85.907
	600	559.85.908
	650	559.85.909
White	270	559.85.701
	300	559.85.702
	350	559.85.703
	400	559.85.704
	450	559.85.705
	500	559.85.706
	550	559.85.707
	600	559.85.708
	650	559.85.709

Packing: 10 pairs



- Supplied with:**
- > 1 Pair of Nova Pro Duowing Classic
 - > 4 Clips for round gallery railing
 - > 2 Clips for rectangular gallery railing

SPARE MOUNTING CLIPS



	Packing	Cat. No.
For round gallery railing	20	559.85.990
For rectangular gallery railing	40	559.85.991

Packing: 20 or 40 pieces

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

NOVA PRO DRAWER - INTERNAL DRAWER FRONT SETS

SILVER METALLIC

- > Material: Aluminium and plastic
 > Finish: Powder coated, Silver Metallic and Anthracite plastic

FOR 90 MM DRAWERS ONLY

Supplied with front panel and end caps



To suit cabinet width (mm)	Cat. No.
450	558.04.406
500	558.04.408
600	558.04.412
900	558.04.418
1200	558.04.422

Packing: 10 sets

Supplied with front panel, brackets and round gallery rail



To suit cabinet width (mm)	Cat. No.
450	558.34.406
500	558.34.408
600	558.34.412
900	558.34.418
1200	558.34.422

Packing: 10 sets

Supplied with front panel, brackets and rectangular gallery rail



To suit cabinet width (mm)	Cat. No.
450	558.00.407
500	558.00.409
600	558.00.413
900	558.00.419
1200	558.00.423

Packing: 10 sets

WHITE

- > Material: Aluminium and plastic
 > Finish: Powder coated, White and Anthracite or White plastic

FOR 90 MM DRAWERS ONLY

Supplied with front panel and end caps



To suit cabinet width (mm)	End Cap Finish	
	Anthracite	White
600	558.04.612	558.04.613
1200	558.04.622	558.04.623

Packing: 10 sets

Supplied with front panel, brackets and round gallery rail



To suit cabinet width (mm)	End Cap Finish	
	Anthracite	White
600	558.34.612	558.34.613
1200	558.34.622	558.34.623

Packing: 10 sets

Supplied with front panel, brackets and rectangular gallery rail



To suit cabinet width (mm)	End Cap Finish	
	Anthracite	White
600	558.00.613	558.00.614
1200	558.00.623	558.00.624

Packing: 10 sets



Note:
 Anthracite end caps shown in images above

NOVA PRO DRAWER - INTERNAL DRAWER FRONT SETS

DELUXE CRYSTAL

- > Material: Steel and plastic
- > Finish: Powder coated, Silver metallic and Silver plastic or powder coated, White and White plastic

FOR 90 MM DRAWERS ONLY

Supplied with front panel and brackets



Finish	Drawer length (mm)	Cat. No.
Silver	1200	553.08.242
White	1200	553.08.746

Packing: 20 sets

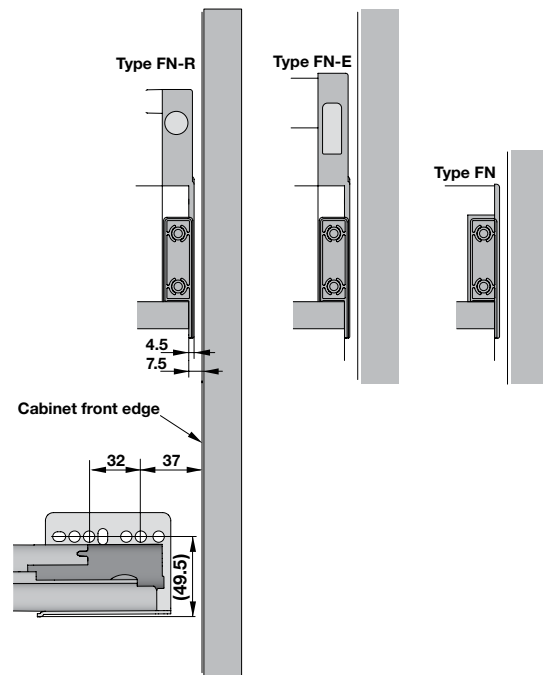
Supplied with front panel, brackets and rectangular gallery rail



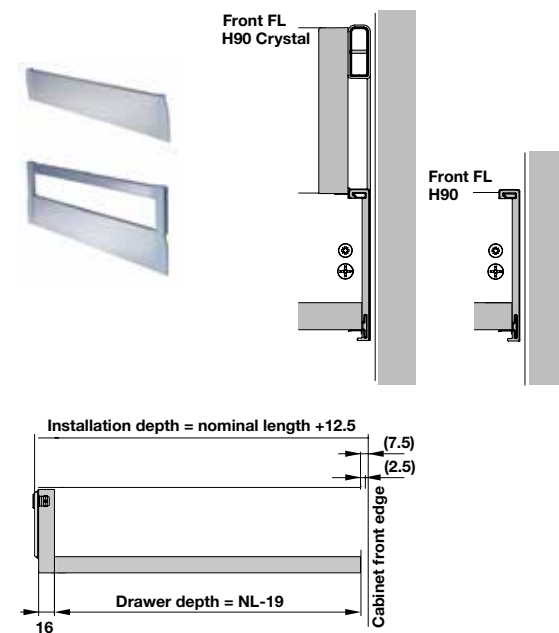
Finish	Drawer length (mm)	Cat. No.
Silver	1200	553.08.272
White	1200	553.08.776

Packing: 20 sets

Installation: Silver Metallic and White internal drawer front sets

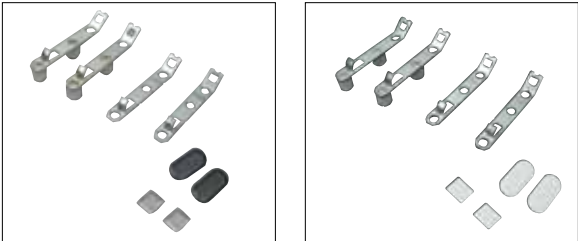


Deluxe Crystal internal drawer fronts



NOVA PRO DRAWER ACCESSORIES

FRONT HOOK SETS
FOR 90 MM AND 122 MM DELUXE DRAWER SIDES



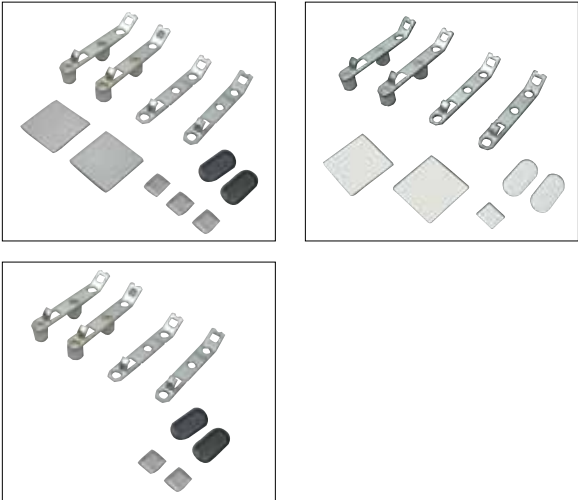
Drawer side finish	Cat. No.
Silver	557.99.951
White	557.99.761

Packing: 10 sets

Note:

> Front hook set contains screw-on and knock-in front hooks.

FOR 90 MM AND 122 MM CLASSIC DRAWER SIDES



Drawer side finish	Cat. No.
Silver	557.99.231
White	557.99.731

Packing: 10 sets

Note:

> Front hook set contains screw-on and knock-in front hooks.

FOR 63 MM CLASSIC DRAWER SIDES



Cat. No.
557.99.920

Packing: 10 sets

FRONT HOOK



Version	Cat. No.
For 90 & 122 mm drawer side height	
Screw on	557.99.910
Knock in	557.99.911
For 63 mm drawer side height	
Screw on	557.99.940
Knock in	557.99.941

Packing: 100 pieces

Note:

> Each drawer will require 2 x front hooks

FIXING SCREW FOR FRONT HOOK

Cat. No.
342.88.081

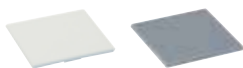
Packing: 500 pieces

DOWEL FOR FRONT HOOK

Cat. No.
342.88.071

Packing: 500 pieces

CLASSIC DRAWER COVER CAPS



Finish	Cat. No.
Silver	557.99.240
White	557.99.740

Packing: 100 pieces

Note

> Each Classic Drawer will require 2 x Classic Drawer Cover Caps

> Customised Classic Drawer Cover Caps are available upon request (minimum order quantity is 2000 pieces).

NOVA PRO DRAWER ACCESSORIES

NOVA PRO SPACER

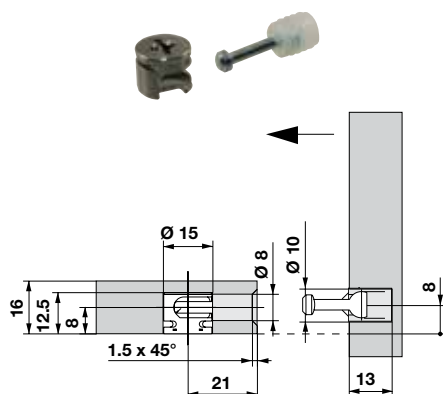


- > Material: Plastic
- > Finish: White
- > Thickness (mm): 25
- > Features: Can be used for left and/or right handed runners

Cat. No.
558.00.000

Packing: 100 pieces

BASE PANEL SUPPORT CONNECTOR



- > Area of application: Provides additional support for base panel in wide drawers
- > Material: Zinc alloy and steel/plastic
- > Finish: Nickel plated and galvanised/white

Cat. No.
558.20.795

Packing: 100 pieces



Note

- > Base panel support connector is recommended for all drawers wider than 900 mm.

SIDE STABILISER



- > Material: Plastic and aluminium
- > Finish: Grey and silver coloured
- > Minimum Cabinet Depth: Drawer length + 19mm
- > Torsion Bar Length (mm): External cabinet width - 100 mm (torsion bar can be cut if necessary)

To suit cabinet width (mm)	Drawer length (mm)	Cat. No.
900	450	557.99.812
	500	557.99.822
	550	557.99.832
	600	557.99.842
1000	450	557.99.813
	500	557.99.823
	550	557.99.833
	600	557.99.843
1200	450	557.99.815
	500	557.99.825
	550	557.99.835
	600	557.99.845
1500	450	557.99.816
	500	557.99.826
	550	557.99.836
	600	557.99.846

Packing: 10 sets



Note

- > Cannot be used with Tipmatic Plus runners or with Sensomatic opening systems.



HÄFELE HANDLE COLLECTION

HÄFELE CREATES ITS FURNITURE HANDLE COLLECTION: DESIGNS AND FINISHES FOR EVERY TASTE

Decorative fittings must not only function perfectly in modern furniture, they must also meet the highest demands in terms of design and trendy finishes - like the new furniture handle generation, which Häfele presented at Interzum 2015. The current models are stylish accessories and give each furniture item its own, unique appearance.

Today Häfele is expanding the Häfele collection product range with a second series of 13 high-quality models. It is understood that functionality and quality are key ingredients in any Häfele product. As in the first handle series, Häfele pays attention to workmanship and finish. The handles sit well in the hand and are pleasant to grab. There are no unpleasant corners or edges that compromise the feel. The hardware is made of zinc alloy or aluminium and is suitable for any type of operation: for hinged and sliding doors as well as flap doors and drawers. Even heavy doors such as those found on refrigerators, dishwashers or on pull-outs for kitchen pantry units are easily opened. The handles are also easy to clean and therefore the perfect alternative for those who are disturbed by ugly fingerprints on furniture fronts with push-to-open functions.

The expanded Häfele Collection continue to feature a clean and elegant design. With this edition Häfele not only pays attention to functionality, but also places a major emphasis on trendy finishes. As a result, the handles are not only available in the standard versions of chrome plated polished and nickel plated brushed, but also in frequently requested vintage style including warm hues of copper and bronze coloured tones. The stylish option of nickel plated black polished is also available for fans of high gloss panels. These new Häfele handles enhance every piece of furniture in the kitchen, in living rooms, bedrooms and bathrooms.

The handles in the Häfele Handle Collection are designed for standard hole centres from 32 to 448 mm and are therefore easily integrated into existing production runs. Some models feature double hole centres and all handles are tested according to standard European kitchen industry procedures and meet even the highest quality expectations.

**Download your free copy of the
Häfele Decorative Hardware Catalogue today!**



DRAWER RUNNERS

DRAWER RUNNER SYSTEMS

DYNAPRO

Dynapro is the first undermount slide system worldwide with an integrated, three dimensional adjustment facility. The entire drawer can be adjusted vertically and horizontally as well as in its tilt angle. While a standard feature on double-wall drawer systems such as Nova Pro, Dynapro was the first time that 3D adjustment has been fully adapted to a undermount drawer slide.

All adjustments are tool-free, readily accessible and easy to handle. In short, it takes just a few tweaks to achieve optimal alignment.

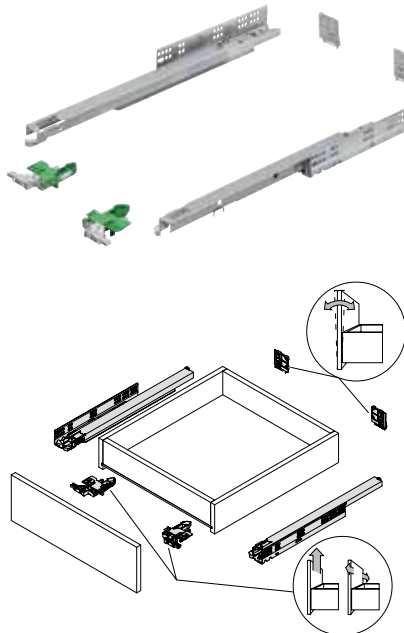
Unlike conventional undermount slide systems, Dynapro is the first concealed runner worldwide that features a synchronisation mechanism. Thanks to the mechanically synchronised slide rails, the Dynapro system moves without any annoying noise or resistance. Even with heavy loads, the excellent running performance of Dynapro remains unchanged. Load forces of up to 60 kg present no problem for the system. Abrasion-resistant plastic rollers ensure a smooth, even glide every time.

Out of sight, efficient and extremely variable - Dynapro is a versatile movement system for individuals. With this powerful precision runner virtually all function, comfort and design requirements can be met.



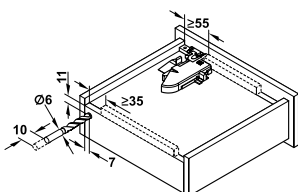
DYNAPRO RUNNER

FULL EXTENSION RUNNER SET WITH AIRMATIC (SOFT CLOSE)

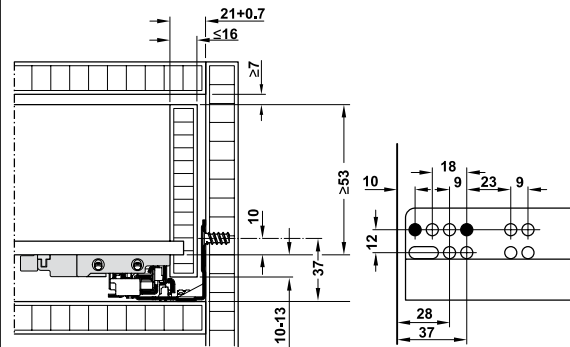


- > Area of Application: Full extension, synchronised soft close runners to be used with wooden drawer boxes
- > Features: Airmatic soft close suitable for cabinet widths up to 1200 mm
Full 3D adjustment
Low extension force
Drill hole pattern is compatible with Nova Pro drawers
- > Weight Capacity (kg): 40 or 60

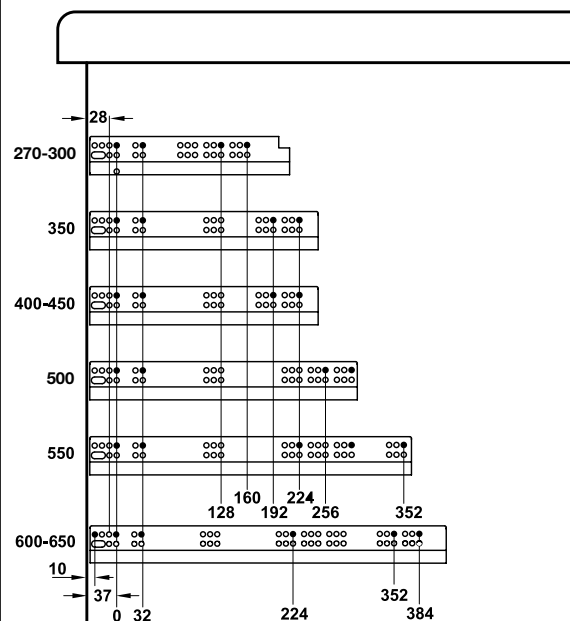
Runners and snap-in coupling



Installation



Drilling pattern



Weight capacity (kg)	Runner length (mm)	Cat. No.
40	270-300	433.19.728
	350	433.19.731
	400-450	433.19.736
	500	433.19.741
	550	433.19.746
	600-650	433.19.751
60	450	433.19.756
	500	433.20.746
	550	433.20.751
	600	433.20.756
	650	433.20.761

Packing: 5 sets



Note

- > Min. installation length with front drawers = nominal length + 3 mm.

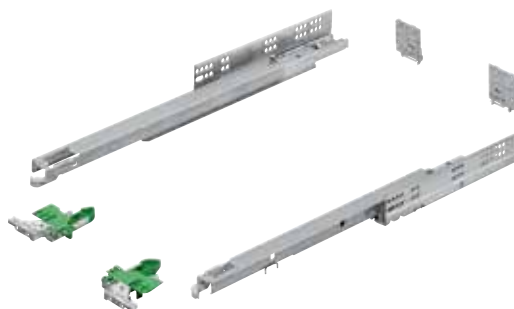


Supplied with:

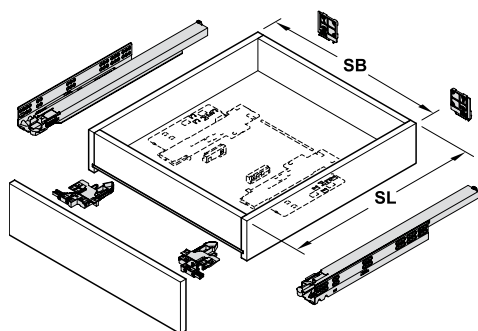
- > 1 Pair Dynapro Airmatic runners
- > 1 Pair Dynapro front locking device
- > 1 Pair Dynapro rear adjustment adaptor

DYNAPRO RUNNER

FULL EXTENSION RUNNER
LOAD BEARING CAPACITY UP TO 70KG
WITH SOFT-CLOSE MECHANISM



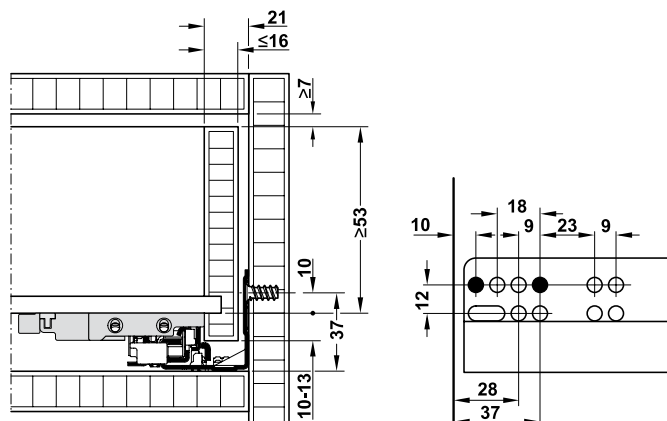
- > Version: With liquid damper prepared for Tipmatic Soft-close
- > Adjustment Facility: Max. height adjustment ± 3.5 mm, with 2D or 3D adjustment set.
Max. side adjustment ± 1.5 mm, at snap-in coupling. With 2D or 3D adjustment set.
Max. tilt adjustment $+ 4$ mm on adjusting adapter. Only with 3D adjustment set.
Depth adjustment facility only with Depth Adjusters/ 4D adjustment or $+3/-1$ mm via Tipmatic Soft-close opening system.
- > Material: Steel
- > Finish: Pre-galvanized
- > Dimensions: Drawer width SB = internal cabinet width - 42 mm + 2 x drawer side panel thickness.
Front gap 0 mm.
- > Features: Tipmatic Soft-close front gap min. 2.5 mm
Same runners for both soft closing front panels with handle and handle-free opening plus soft closing (with Tipmatic Soft-close opening system).
Load bearing capacities of 40 and 70 kg allow modern furniture design.
Low opening forces, excellent running properties and 100% synchronising action.
Precise front panel adjustment without tools in up to 4 dimensions.



Soft-close

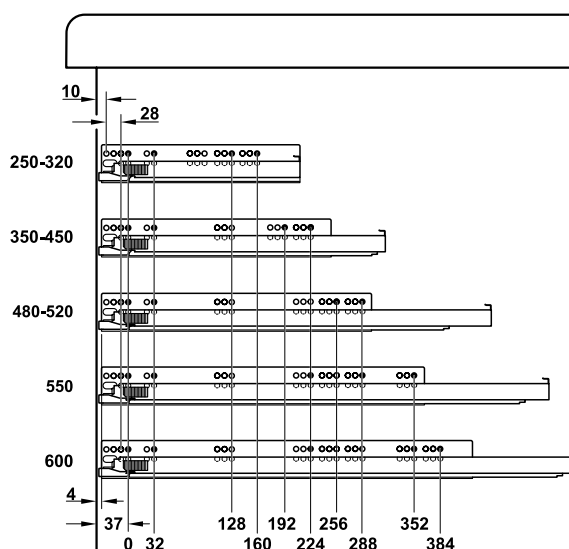


Installation

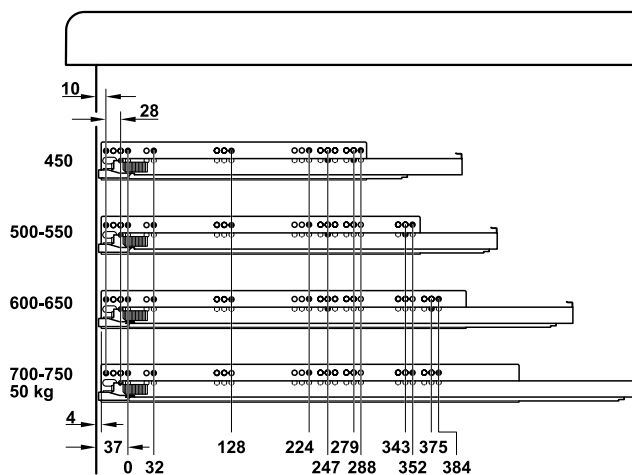


Note:

- > Min. installation length with front drawers = nominal length + 3 mm
- Min. installation length with internal drawers = nominal length + 21 mm



Soft-close, load bearing capacity 40 kg/pair



Soft-close, load bearing capacity 50/70 kg/pair

FULL EXTENSION RUNNER SET



Supplied with:

- > 1 pair of drawer runners
- > 1 pair of snap-in couplings
- > 1 pair of rear adjusting adapters
- > 1 set of installation instructions

Length (mm)	Drawer length SL (mm)	Drawer set with 2D adjustment	Drawer set with 3D adjustment
Load bearing capacity 40 kg/pair			
270	260	433.19.161	433.19.661
300	290	433.19.162	433.19.662
350	340	433.19.164	433.19.664
400	390	433.19.166	433.19.666
450	440	433.19.168	433.19.668
500	490	433.19.170	433.19.670
550	540	433.19.172	433.19.672
600	590	433.19.173	433.19.673
Load bearing capacity 50 kg/pair			
700	690	433.19.182	433.20.675
750	740	433.19.183	433.20.676
Load bearing capacity 70 kg/pair			
450	440	433.19.190	433.20.688
500	490	433.19.191	433.20.690
550	540	433.19.192	433.20.692
600	590	433.19.193	433.20.694
650	640	433.19.194	433.20.695

Packing: 1 pair



Order Reference:

- > The Tipmatic Soft-close opening system must be ordered in addition to each set for handle-free opening and soft closing action.

DEPTH ADJUSTERS (4D ADJUSTMENT)



> Area of application:	For all Dynapro Soft-close runners
> Adjustment facility:	Adjusting range +3.5 mm



Note:

- > Not suitable for use in combination with Tipmatic Soft-close.



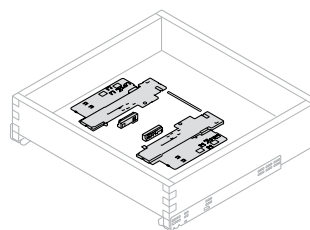
Supplied with:

- > 1 pair of depth adjusters

	Cat. No.
Dynapro depth adjusters	433.19.049

Packing: 1 kit (2 pieces)

TIPMATIC SOFT-CLOSE OPENING SYSTEM



> Area of application:	For drawers and pull outs, with Soft-close soft closing system, for all nominal lengths and weight classes.
> Depth Adjustment:	+3/-1 mm.
> Installation:	The eject unit and follower are attached to the cabinet rail without tools and secured with screw.
> Minimum front gap:	2.5 mm
> Rod length:	Internal cabinet width less 216 mm
> Features:	Touch to open and gentle closing perfectly combined. Large release area provided by synchronisation rod. Opening and closing function combined in one unit. Attachment to the runner without tools. Same unit for all nominal lengths and weight classes thanks to a 3-way adjustment of the ejection force. Synchronisation rod must be used for all applications



Supplied with:

- > 1 Tipmatic Soft-close eject unit
- > 2 Followers
- > 1 Synchronisation rod (to suit 1,200 mm cabinet width).

	Cat. No.
Tipmatic Soft-close	433.19.081

Packing: 1 set



Note:

- > Minimum cabinet width for Tipmatic Soft Close is 350 mm

SHELF HOLDER



> Area of Application:	For attaching Dynapro drawer runners to shelves, rather than drawers
> Material:	Plastic
> Colour:	Grey



Note:

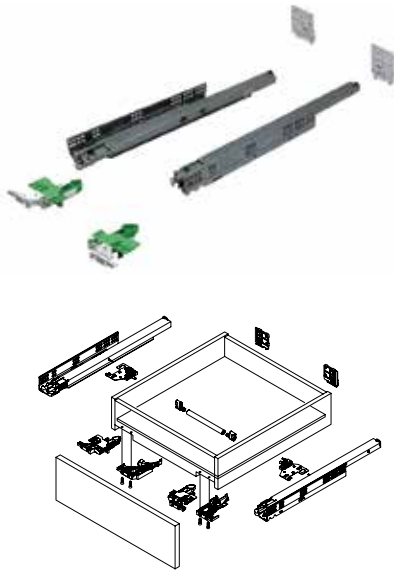
- > 2 pieces required per shelf
- > Minimum installation depth = drawer length + 23 mm

	Cat. No.
Dynapro Shelf Holder	433.19.050

Packing: 20 pieces

DYNAPRO RUNNER

FULL EXTENSION RUNNER SET
WITH TIPMATIC PLUS SYNC (PUSH TO OPEN)



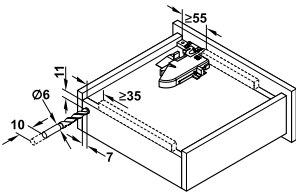
- > Area of Application:

Full extension, synchronised push to open runners to be used with wooden drawer boxes
- > Features:

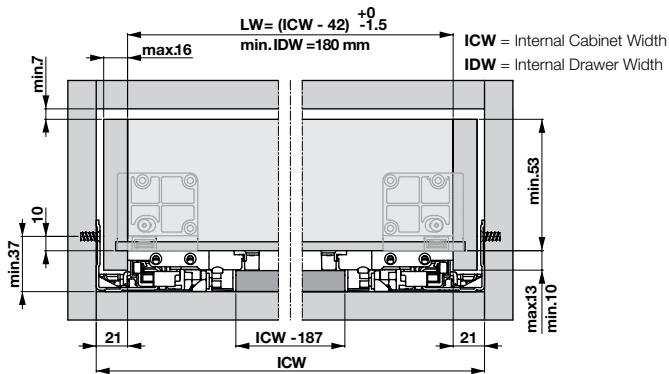
Suitable for cabinet widths up to 1200mm
Full 3D adjustment
Low extension force
Drill hole pattern is compatible with Nova Pro drawers
Tool-less front gap adjustment (default gap = 4.5 mm, adjustment range = 3.6 mm)
- > Weight Capacity (kg):

40 or 60

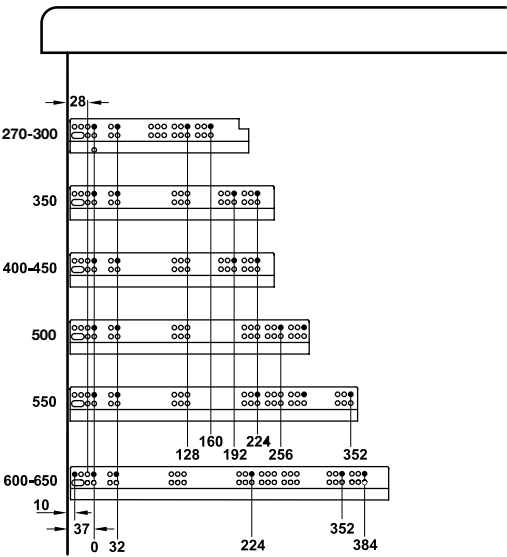
Runners and snap-in coupling



Installation



Drilling Pattern



Weight capacity (kg)	Runner length (mm)	Cat. No.
40	270	433.19.928
	300	433.19.931
	350	433.19.936
	400	433.19.941
	450	433.19.946
	500	433.19.951
60	550	433.19.956
	450	433.20.946
	500	433.20.951
	550	433.20.956
	600	433.20.961
	650	433.20.966
	700	433.20.971
	750	433.20.976

Packing: 5 sets



- Note
- > Min. installation length with front drawers = nominal length + 3 mm.
- > Additional accessories are required for cabinet widths greater than 700 mm (see page 107)



- Supplied with:
- > 1 Pair Dynapro Tipmatic Sync. runners
- > 1 Pair Dynapro front locking device
- > 1 Pair Dynapro rear adjustment adaptor

DYNAPRO ACCESSORIES

TIPMATIC PLUS FIXING KIT



Weight capacity (kg)	Cat. No.
40	433.19.002
60	433.19.003

Packing: 10 kits

TIPMATIC PLUS SYNCHRONISATION BAR



Length	Cat. No.
1079 mm	433.11.001

Packing: 10 pieces



Note

- > One Tipmatic Plus fixing kit and one Tipmatic Plus synchronisation bar required for each drawer.
- > Dynapro wide drawer accessories must be used for all drawers installed into cabinets wider than 700 mm

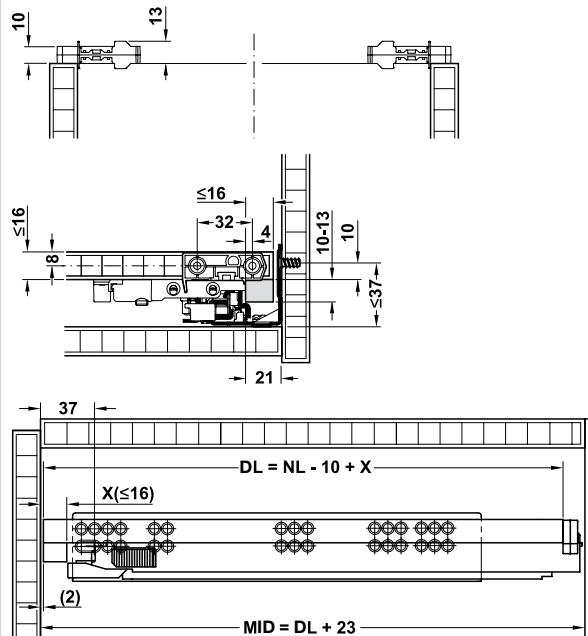
Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

SHELF HOLDER



> Area of Application:	For attaching Dynapro drawer runners to shelves, rather than drawers
> Material:	Plastic
> Colour:	Grey

Installation



MID = Minimum installation depth
DL = Drawer length
NL = Nominal length

Cat. No.
433.19.050

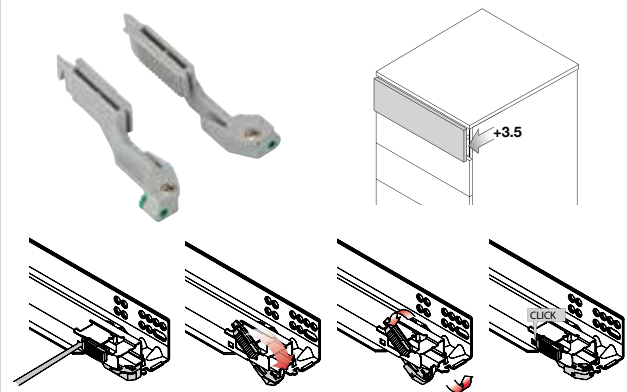
Packing: 20 pieces



Note

2 pieces required per shelf

4D (DEPTH) ADJUSTMENT CLIP



Cat. No.
433.19.049

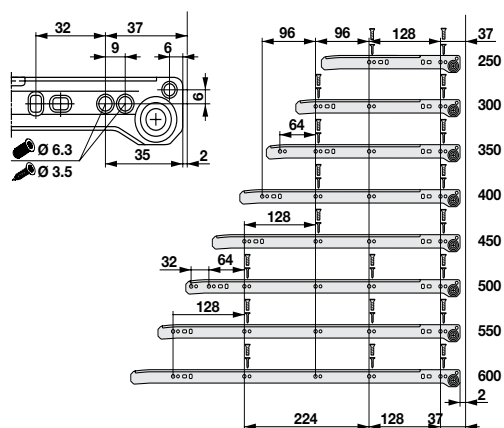
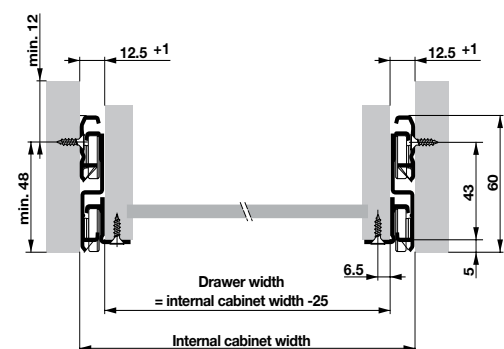
Packing: 20 kits

ROLLER RUNNERS

SOFT ROLLER WITH FULL EXTENSION



- > Load capacity (kg): 50
- > Material: Steel
- > Finish: Powder-coated, White
- > Guided by: Nylon rollers
- > Version: Base mounted, self closing
- > Length adjustment: Using elongated holes in the drawer rail
- > Fitting to carcase: Screwing in 32 mm series drilled holes
- > Fitting to drawer: Screw fixing



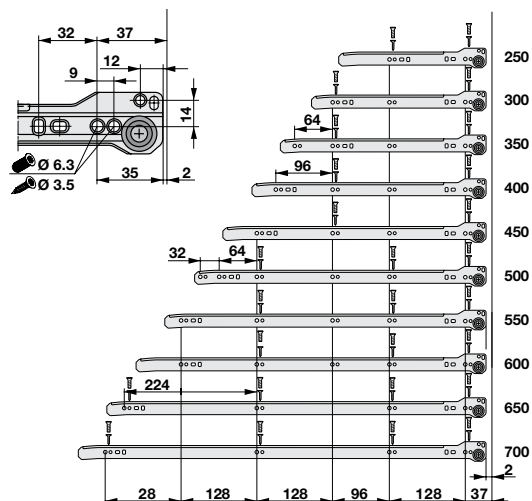
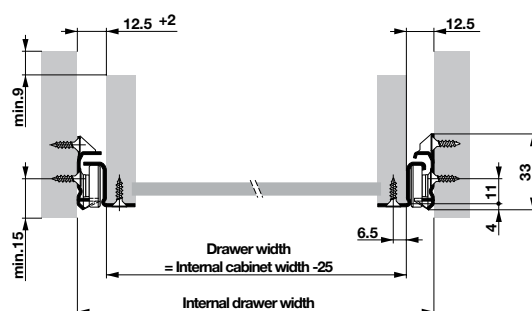
Installed length (mm)	Extension length (mm)	Cat. No.
250	260	423.06.750
300	315	423.06.751
350	365	423.06.752
400	430	423.06.753
450	480	423.06.754
500	530	423.06.755
550	580	423.06.756
600	630	423.06.757

Packing: 10 pairs

WITH SINGLE EXTENSION



- > Load capacity (kg): 30
- > Material: Steel
- > Finish: Powder-coated, White
- > Guided by: Nylon rollers
- > Version: Base mounted, self closing
- > Height adjustment: Using elongated holes in the carcase
- > Length adjustment: Using elongated holes in the drawer rail
- > Fitting to carcase: Screwing in 32 mm series drilled holes
- > Fitting to drawer: Screw fixing



Installed length (mm)	Extension length (mm)	Cat. No.
250	160	423.06.710
300	210	423.06.711
350	260	423.06.712
400	310	423.06.713
450	347	423.06.714
500	397	423.06.715
550	432	423.06.716
600	482	423.06.717
650	522	423.06.718
700	562	423.06.719

Packing: 10 pairs



DRAWER INSERTS, WASTE BINS,
MATS AND ACCESSORIES

DRAWER INSERTS

CUISIO CUTLERY TRAY FOR VIONARO

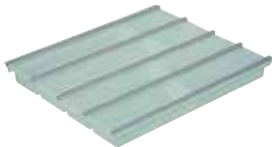


> Area of application:	Suitable for Vionaro drawers with a depth of 500 mm
> Material:	Plastic (injection moulded) and aluminium / stainless steel
> Finish:	Green or White translucent and Silver; or Graphite translucent and Stainless steel
> For carcase width (mm):	400 –1000
> Depth (mm):	474
> Height (mm):	55

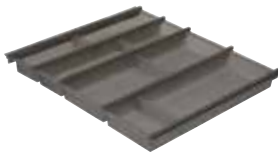
White translucent



Green translucent



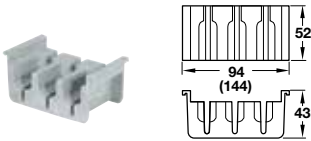
Graphite translucent



For carcase width (mm)	Actual tray width (mm)	Green Translucent	White Translucent	Graphite Translucent
400	285	550.79.004	550.79.704	550.79.201
450	335	550.79.005	550.79.705	550.79.202
500	385	550.79.006	550.79.706	550.79.203
600	485	550.79.007	550.79.707	550.79.204
700	585	550.79.012	550.79.712	550.79.212
800	685	550.79.008	550.79.708	550.79.205
900	785	550.79.009	550.79.709	550.79.206
1000	885	550.79.010	550.79.710	550.79.207

Packing: 1 piece

KNIFE BLOCK

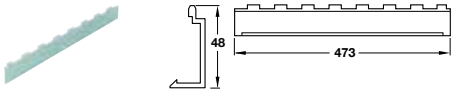


> Material:	Plastic
> Colour:	Grey
> Features:	For three or four knives
> Mounting:	Sits in cutlery tray

For compartment width (mm)	For number of knives	Cat. No.
100	3	556.90.581
150	4	556.90.582

Packing: 1 pair

END PANEL

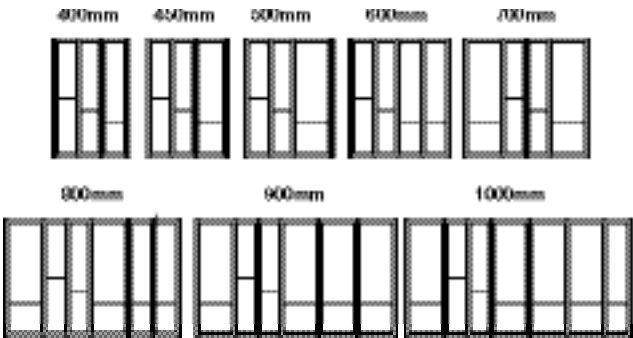


> Area of application:	For use on the side of drawer inserts, when the drawer is wider than the cutlery insert and only one insert is required
> Material:	Plastic
> Version:	Suitable for left or right side
> Mounting:	Slides into cutlery insert

Finish	Cat. No.
Green translucent	556.90.091
White translucent	556.90.691
Graphite translucent	556.90.391

Packing: 1 piece

Tray configuration



Dimensions in mm. Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice.

DRAWER INSERTS

CUISIO CUTLERY TRAY FOR NOVA PRO

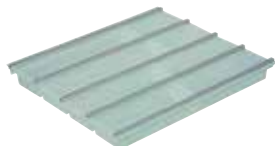


- > Area of application: Suitable for Nova Pro drawers with a depth of 500 mm
- > Material: Plastic (injection moulded) and aluminium / stainless steel
- > Finish: Green or White translucent and Silver; or Graphite translucent and Stainless steel
- > For carcase width (mm): 400 – 1000
- > Depth (mm): 480
- > Height (mm): 55

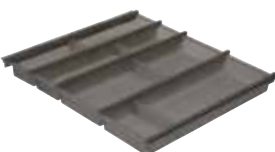
White translucent



Green translucent



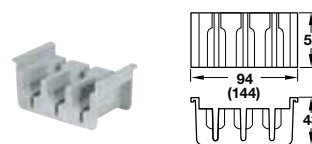
Graphite translucent



For carcase width (mm)	Actual tray width (mm)	Green Translucent	White Translucent	Graphite Translucent
400	285	556.90.211	556.90.711	556.90.311
450	335	556.90.212	556.90.712	556.90.312
500	385	556.90.213	556.90.713	556.90.313
600	485	556.90.214	556.90.714	556.90.314
700	585	556.90.219	556.90.719	556.90.319
800	685	556.90.215	556.90.715	556.90.315
900	785	556.90.216	556.90.716	556.90.316
1000	885	556.90.217	556.90.717	556.90.317

Packing: 1 piece

KNIFE BLOCK

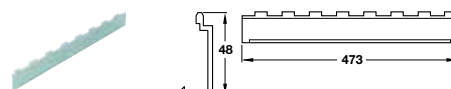


- > Material: Plastic
- > Colour: Grey
- > Features: For three or four knives
- > Mounting: Sits in cutlery tray

For compartment width (mm)	For number of knives	Cat. No.
100	3	556.90.581
150	4	556.90.582

Packing: 1 pair

END PANEL

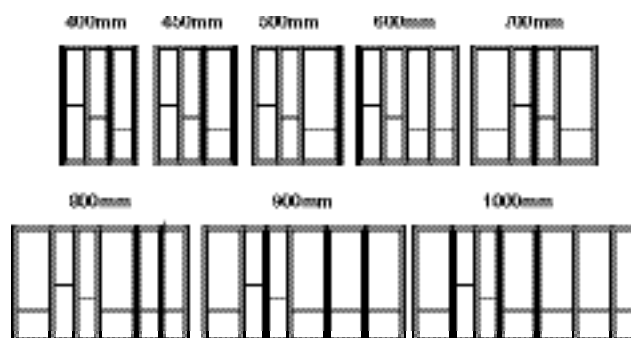


- > Area of application: For use on the side of drawer inserts, when the drawer is wider than the cutlery insert and only one insert is required
- > Material: Plastic
- > Version: Suitable for left or right side
- > Mounting: Slides into cutlery insert

Finish	Cat. No.
Green translucent	556.90.091
White translucent	556.90.691
Graphite translucent	556.90.391

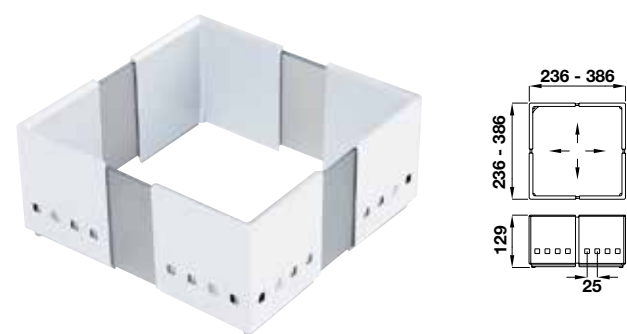
Packing: 1 piece

Tray configuration



DRAWER INSERTS

CUISIOFLEX



*White translucent shown

> Area of application:	For organising plates, dishes, pots and pans and other kitchen items
> Material:	Plastic
> Features:	Subdivision frame with telescopic adjustability Flexible for use in all popular drawer sizes and styles Set of two expandable frames

Finish	Cat. No.
Green translucent with alu-grey corners	556.81.502
White translucent with white corners	556.81.772
Graphite translucent with graphite corners	556.81.332

Packing: 1 piece

Fineline Drawer Accessories Cutlery Trays and Accessories



Fineline MosaiQ

Who would have thought that the inside of drawers and pull-outs could be so tidy, functional and individual. Fineline MosaiQ is fun to plan and work with. Made with a material mix of warmly attractive wood and fine metal, the range creates a contemporary, high-end look and a balanced, visual link to carefully chosen kitchen fronts.

Oak & Ash Finishes

American natural oak and European black ash are the woods we choose to work with. Because they cover a wide range from pale to dark shades, because they offer any number of combination options and because of the distinctive grains and their outstanding workability. They look wonderful and will function perfectly through many years of use.



FINELINE DRAWER INSERTS

CUTLERY INSERT



Drawer depth (mm):	500
Dimensions (mm):	300 x 472 x 49 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.300
Natural Oak	556.03.400

Packing: 1 piece

SPACER ELEMENT



Area of application:	Allows FineLine Mosaik to be used for Nova Pro drawers
Drawer depth (mm):	500

Dimensions (mm)	Finish	Cat. No.
Up to cabinet width 600 mm		
600 x 8 x 49 (WxDxH)	Black Ash	556.03.320
	Natural Oak	556.03.420
Up to cabinet width 1200 mm		
1200 x 8 x 49 (WxDxH)	Black Ash	556.03.321
	Natural Oak	556.03.421

Packing: 1 piece

DEPTH EXTENSION



Area of application:	Allows FineLine Mosaik to be used in deeper drawers
Drawer depth (mm):	500 - 650

Dimensions (mm)	Finish	Cat. No.
Up to cabinet width 600 mm		
600 x 150 x 49 (WxDxH)	Black Ash	556.03.310
	Natural Oak	556.03.410
Up to cabinet width 1200 mm		
1200 x 150 x 49 (WxDxH)	Black Ash	556.03.311
	Natural Oak	556.03.411

Packing: 1 piece

MULTIFUNCTION INSERT



Drawer depth (mm):	500
Dimensions (mm):	152 x 472 x 49 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.330
Natural Oak	556.03.430

Packing: 1 piece

CROSS INSERT



Area of application:	For multifunction insert
Drawer depth (mm):	500
Dimensions (mm):	137 x 472 x 37.5 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.390
Natural Oak	556.03.490

Packing: 1 piece

KNIFE BLOCK



Area of application:	For multifunction insert
Drawer depth (mm):	500
Dimensions (mm):	137 x 472 x 26 (WxDxH)

Finish	Cat. No.
Black Ash	556.04.310
Natural Oak	556.04.410

Packing: 1 piece

FINELINE DRAWER INSERTS

SPICE INSERT



Area of application:	For multifunction insert
Drawer depth (mm):	500
Dimensions (mm):	137 x 472 x 26 (WxDxH)

Finish	Cat. No.
Black Ash	556.04.300
Natural Oak	556.04.400

Packing: 1 piece (3 part)

TWIN FOIL ROLL HOLDER



Area of application:	For multifunction insert
Suitable for:	Compatible with 30 cm roll length only
Drawer depth (mm):	500
Dimensions (mm):	137 x 472 x 45 (WxDxH)

Finish	Cat. No.
Black Ash	556.04.320
Natural Oak	556.04.420

Packing: 1 piece

DRAWER BOX



Drawer depth (mm):	500
Dimensions (mm):	236 x 236 x 49 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.370
Natural Oak	556.03.470

Packing: 1 piece



Note:
2 drawer boxes equal the depth of a cutlery insert.

CROSS INSERT FOR DRAWER BOX



Dimensions (mm):	221 x 221 x 43 (WxDxH)
------------------	------------------------

Finish	Cat. No.
Graphite black	556.08.330

Packing: 1 piece

PLATE RACK



Dimensions (mm):	340 x 180 x 181 (WxDxH)
------------------	-------------------------

Finish	Cat. No.
Black Ash	556.04.330
Natural Oak	556.04.430

Packing: 1 piece

FINELINE DRAWER INSERTS
DRAWER TRAY



Drawer depth (mm):	500
Dimensions (mm):	300 x 117.5 x 49 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.340
Natural Oak	556.03.440

Packing: 1 piece

Note:
4 Drawer Trays equal the depth of a cutlery insert.

STORAGE BOX

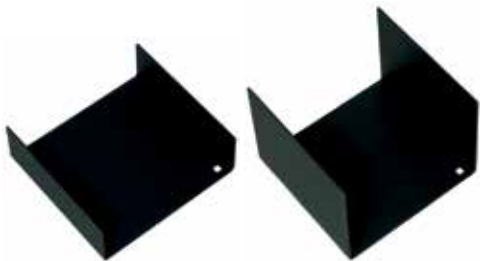


Dimensions (mm):	300 x 117.5 x 84 (WxDxH)
------------------	--------------------------

Finish	Cat. No.
Black Ash	556.03.380
Natural Oak	556.03.480

Packing: 1 piece

METAL DIVIDER U-SHAPED FOR DRAWER TRAY / STORAGE BOX



Finish:	Graphite black
---------	----------------

Version	Dimensions WxDxH (mm)	Cat. No.
Drawer Tray	107.5 x 111 x 43	556.08.311
Storage Box	108 x 110 x 79	556.08.312

Packing: 1 piece

WOODEN BOX



Drawer depth (mm):	500
Dimensions (mm):	236 x 236 x 120 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.360
Natural Oak	556.03.460

Packing: 1 piece

Note:
2 Wooden Boxes equal the depth of a cutlery insert.

WOODEN BOX



Drawer depth (mm):	500
Dimensions (mm):	236 x 472 x 120 (WxDxH)

Finish	Cat. No.
Black Ash	556.03.350
Natural Oak	556.03.450

Packing: 1 piece

METAL DIVIDER FOR WOODEN BOX



Dimensions (mm):	225 x 99 x 102 (WxDxH)
------------------	------------------------

Finish	Cat. No.
Graphite black	556.08.320

Packing: 1 piece

Note:
Oak finish shown for all timber products.

DRAWER INSERTS

CONNECT DRAWER INSERT



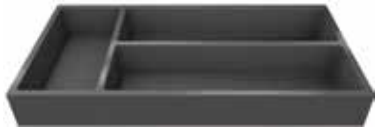
- > Area of application:

Suitable for Vionaro and Nova Pro drawers with a depth of 450 or 500 mm
- > Material:

Plastic
- > Finish:

Light Grey or Dark Grey
- > Features:

Uses a practical 25 mm grid system to create a unique and customized drawer dividing system
Includes non-slip mat with every version (size: 526 x 480 mm)



Tray 40/20



Tray 30/10



Twin Divider 20/10



Angle Divider Left and Right 20/10



Connector



Non-Slip Mat

CONNECT A

Finish	Cat. No.
Dark Grey	556.37.517
Light Grey	556.37.617

Packing: 1 kit



- Supplied with:
- > 1 x Connect 40/20 tray

> 2 x Connect 20/10 twin dividers

> 1 x Connect 20/10 angle divider (left)

> 4 x Connectors

> 1 x Non-slip mat

CONNECT B

Finish	Cat. No.
Dark Grey	556.37.527
Light Grey	556.37.627

Packing: 1 kit



- Supplied with:
- > 1 x Connect 40/20 tray

> 4 x Connect 20/10 angle divider (left)

> 5 x Connectors

> 1 x Non-slip mat

CONNECT C

Finish	Cat. No.
Dark Grey	556.37.537
Light Grey	556.37.637

Packing: 1 kit



- Supplied with:
- > 1 x Connect 40/20 tray

> 2 x Connect 20/10 angle dividers (1 x left and 1 x right)

> 3 x Connectors

> 1 x Non-slip mat

CONNECT D

Finish	Cat. No.
Dark Grey	556.37.547
Light Grey	556.37.647

Packing: 1 kit



- Supplied with:
- > 1 x Connect 30/10 tray

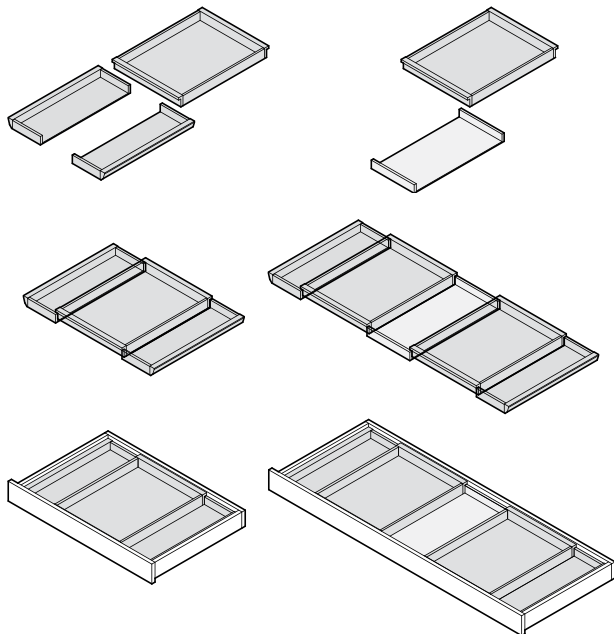
> 2 x Connect 20/10 angle dividers (1 x left and 1 x right)

> 3 x Connectors

> 1 x Non-slip mat

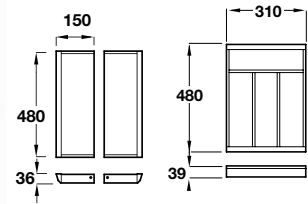
DRAWER INSERTS

FITFLEX TIMBER CUTLERY TRAY



- > Area of application: Suitable for Nova Pro drawers with a depth of 500 mm.
- > Material: Beech / plywood, lacquered visible surfaces
- > Feature: Fully adjustable width to enable cutlery tray to fit into any cabinet size

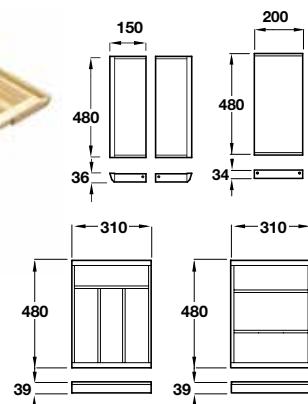
TO SUIT CABINET WIDTH OF 400 - 600 MM



Cat. No.
556.36.310

Packing: 1 piece

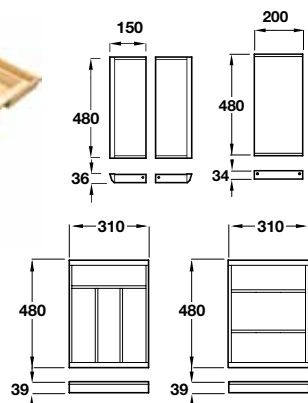
TO SUIT CABINET WIDTH OF 600 - 1000 MM



Cat. No.
556.36.390

Packing: 1 piece

TO SUIT CABINET WIDTHS ABOVE 1000 MM

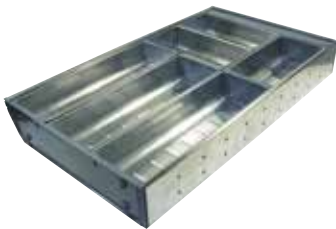


Cat. No.
556.36.391

Packing: 1 piece

DRAWER INSERTS

STAINLESS STEEL CUTLERY TRAYS
FOR VIONARO DRAWERS



- > Area of application:

Suitable for Vionaro drawers with a depth of 500 mm
- > Depth (mm):

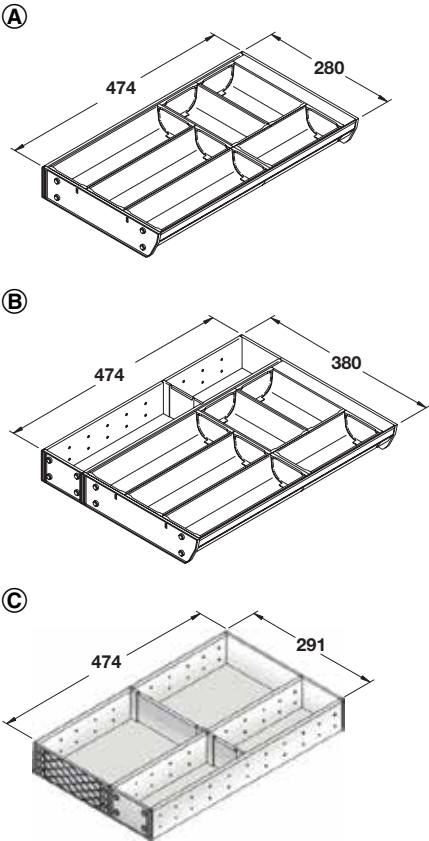
474
- > Height (mm):

64
- > Material:

Stainless steel and plastic, grey

To suit cabinet width (mm)	Configuration	Cat. No.
400/450	1 x (A)	554.98.042
500	1 x (A)	554.98.052
600	1 x (B)	554.98.072
700	2 x (A)	554.98.082
800	2 x (A)	554.98.092
900	1 x (A) , 1 x (B)	554.98.102
1000	1 x (A) , 1 x (B)	554.98.112
1200	2 x (A) , 1 x (C)	554.98.122

Packing: 1 set



Note

Cutlery tray configurations will not fit the entire drawer width, but have been designed to provide a space left or right of the tray for long utensils.

STAINLESS STEEL CUTLERY TRAYS
FOR NOVA PRO DRAWERS



- > Area of application:

Suitable for Nova Pro drawers with a depth of 500 mm
- > Depth (mm):

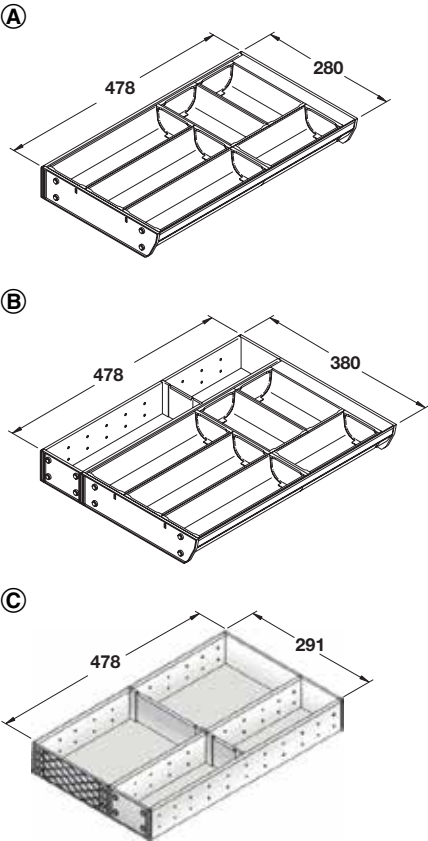
478
- > Height (mm):

64
- > Material:

Stainless steel and plastic, grey

To suit cabinet width (mm)	Configuration	Cat. No.
400/450	1 x (A)	557.80.042
500	1 x (A)	557.80.052
600	1 x (B)	557.80.072
700	2 x (A)	557.80.082
800	2 x (A)	557.80.092
900	1 x (A) , 1 x (B)	557.80.102
1000	1 x (A) , 1 x (B)	557.80.112
1200	2 x (A) , 1 x (C)	557.80.122

Packing: 1 set



Note

Cutlery tray configurations will not fit the entire drawer width, but have been designed to provide a space left or right of the tray for long utensils.

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

DRAWER INSERTS

STAINLESS STEEL DRAWER ORGANISER FOR VIONARO DRAWERS

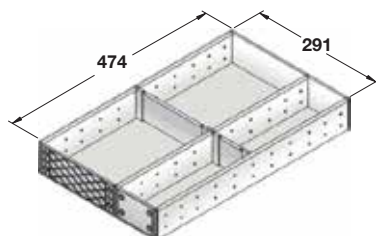


- > Area of application: Suitable for all Vionaro drawers with a depth of 500 mm
- > Depth (mm): 474
- > Height (mm): 64
- > Material: Stainless steel and plastic, grey

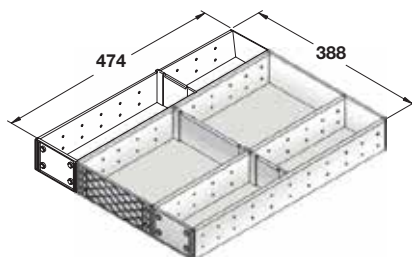
To suit cabinet width (mm)	Configuration	Cat. No.
400/450	1 x (A)	557.80.993
500	1 x (B)	557.80.994
600	1 x (B)	557.80.572
700	2 x (A)	557.80.582
800	1 x (A) , 1 x (B)	557.80.592
900	2 x (B)	557.80.602
1000	2 x (B)	557.80.612
1200	3 x (A)	557.80.622

Packing: 1 piece

(A)



(B)



Note

Drawer organiser configurations will not fit the entire drawer width, but have been designed to provide a space left or right of the organiser for long utensils.

STAINLESS STEEL DRAWER ORGANISER FOR NOVA PRO DRAWERS

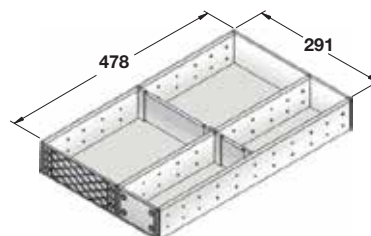


- > Area of application: Suitable for all Nova Pro drawers with a depth of 500 mm
- > Depth (mm): 478
- > Height (mm): 64
- > Material: Stainless steel and plastic, grey

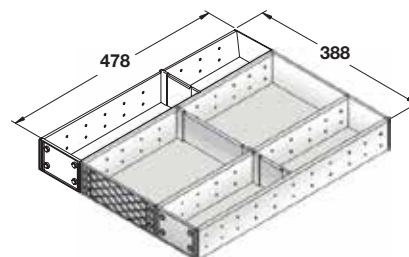
To suit cabinet width (mm)	Configuration	Cat. No.
400/450	1 x (A)	557.80.332
500	1 x (B)	557.80.352
600	1 x (B)	557.80.372
700	2 x (A)	557.80.382
800	1 x (A) , 1 x (B)	557.80.392
900	2 x (B)	557.80.302
1000	2 x (B)	557.80.412
1200	3 x (A)	557.80.422

Packing: 1 piece

(A)



(B)



Note

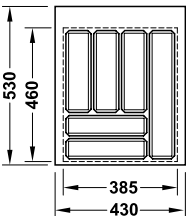
Drawer organiser configurations will not fit the entire drawer width, but have been designed to provide a space left or right of the organiser for long utensils.

DRAWER INSERTS

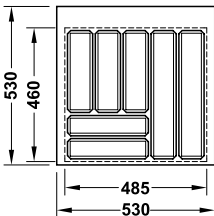
DRAWER INSERT WITH NON-SLIP SURFACE



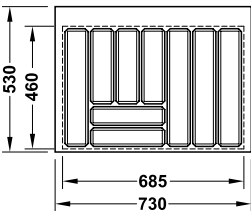
> Area of application:	Suitable for drawers with a depth of 500mm
> Material:	Plastic
> Colour:	Anthracite pearl
> Features:	Non-slip surface
> For nominal length (mm):	500
> Height (mm):	40 or 52
> Depth (mm):	460 - 530 mm
> Installation:	For cutting to size



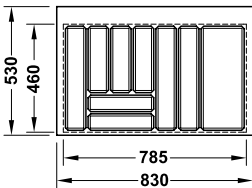
For cabinet width 500 mm



For cabinet width 600 mm



For cabinet width 800 mm



For cabinet width 900 mm

HEIGHT 40 MM

For cabinet width	Cat. No.
600	556.60.336
800	556.60.337
900	556.60.338

Packing: 1 Piece

HEIGHT 52 MM

For cabinet width	Cat. No.
500	556.60.315
600	556.60.316
800	556.60.317
900	556.60.318

Packing: 1 Piece

DIVIDER



> Area of application:	For subdividing cutlery insert with height of 52 mm
> Material:	Plastic
> Height (mm):	50

Colour	Cat. No.
Anthracite	556.60.349

Packing: 1 Piece

DRAWER INSERTS

AGO VARIO CUTLERY TRAY



- > Area of application: Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
- > Material: Plastic (vacuum formed)
- > Finish: Silver - grey, White texture, carbon fibre or stainless steel
- > Depth (mm): 490 (can be trimmed to 440)
- > Height (mm): 50
- > Thickness (mm): 2.5

SILVER - GREY FINISH



	To suit cabinet width (mm)	Tray width (mm)	Cat. No.
(A)	300	200 - 240	556.53.530
(B)	400	300 - 340	556.53.540
(C)	450	350 - 390	556.53.545
(D)	500	400 - 440	556.53.550
(E)	600	500 - 540	556.53.560
(F)	800	700 - 740	556.53.580
(G)	900	800 - 840	556.53.590
(H)	1000	900 - 940	556.53.600

Packing: 1 piece

WHITE TEXTURE FINISH



	To suit cabinet width (mm)	Tray width (mm)	Cat. No.
(A)	300	200 - 240	556.53.730
(B)	400	300 - 340	556.53.740
(C)	450	350 - 390	556.53.745
(D)	500	400 - 440	556.53.750
(E)	600	500 - 540	556.53.760
(F)	800	700 - 740	556.53.780
(G)	900	800 - 840	556.53.790
(H)	1000	900 - 940	556.53.800

Packing: 1 piece

CARBON FIBRE FINISH



	To suit cabinet width (mm)	Tray width (mm)	Cat. No.
(D)	500	400 - 440	556.53.250
(E)	600	500 - 540	556.53.260
(F)	800	700 - 740	556.53.280
(G)	900	800 - 840	556.53.290

Packing: 1 piece

STAINLESS STEEL FINISH



	To suit cabinet width (mm)	Tray width (mm)	Cat. No.
(D)	500	400 - 440	556.53.050
(E)	600	500 - 540	556.53.060
(F)	800	700 - 740	556.53.080
(G)	900	800 - 840	556.53.090

Packing: 1 piece

DRAWER INSERTS

AGO VARIO ACCESSORIES KNIFE BLOCK

1



- > Material: Multiplex beech
- > Finish: Lacquered
- > Fixing Method: Self-adhesive

Cat. No.
556.53.310

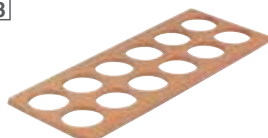
Packing: 1 piece

SPICE JAR INSERT

2



3



- > Area of Application: For spice jars with Ø55 mm
- > Material: Multiplex beech
- > Finish: Lacquered
- > Drilling Diameter (mm): Ø57

	Number of spice jars	Cat. No.
1	6	556.53.311
2	12	556.53.312

Packing: 1 piece

SPICE JAR - WITH GLASS LID



- > Area of Application: Suitable for spice jar insert
- > Material: Lead crystal glass, lid, rubber sealing ring
- > Finish: Clear
- > Version: Lid with sealing ring
- > Diameter (mm): Ø55 at base, Ø61 at lower edge of glass Ø64 with glass edge
- > Height (mm): 58 with lid, 50 without lid

Cat. No.
543.95.100

Packing: 1 piece

DIVIDER

4

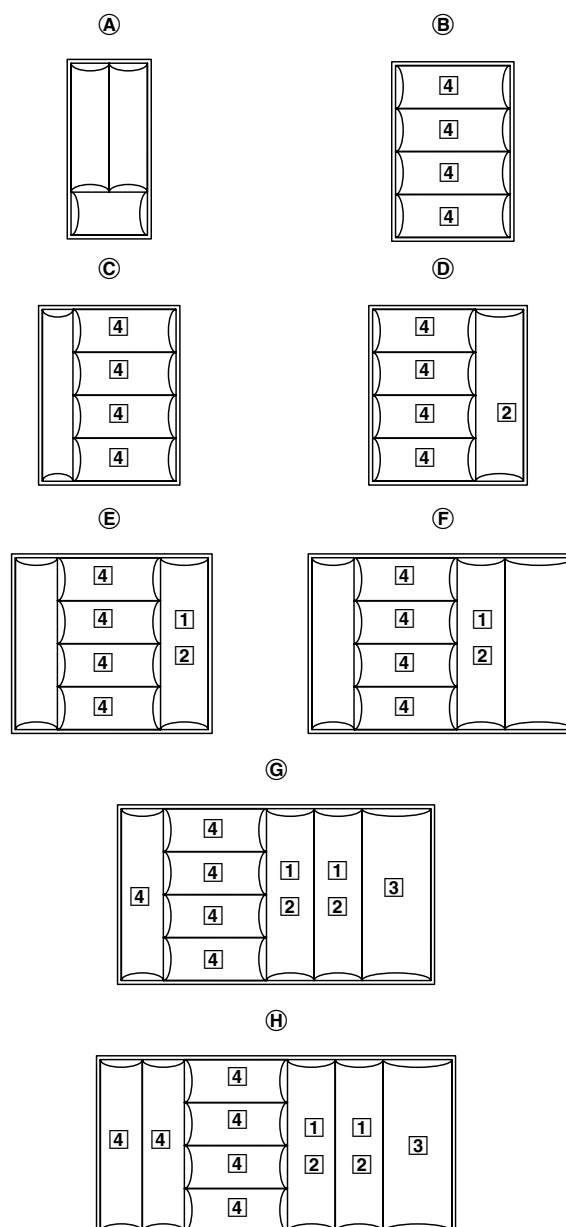


- > Material: Multiplex beech
- > Finish: Lacquered
- > Fixing Method: Self-adhesive

Cat. No.
556.53.319

Packing: 1 piece

Configuration examples

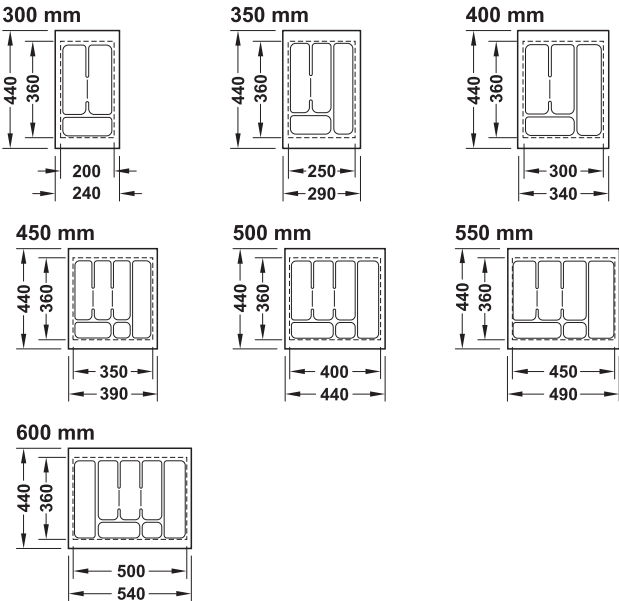


DRAWER INSERTS

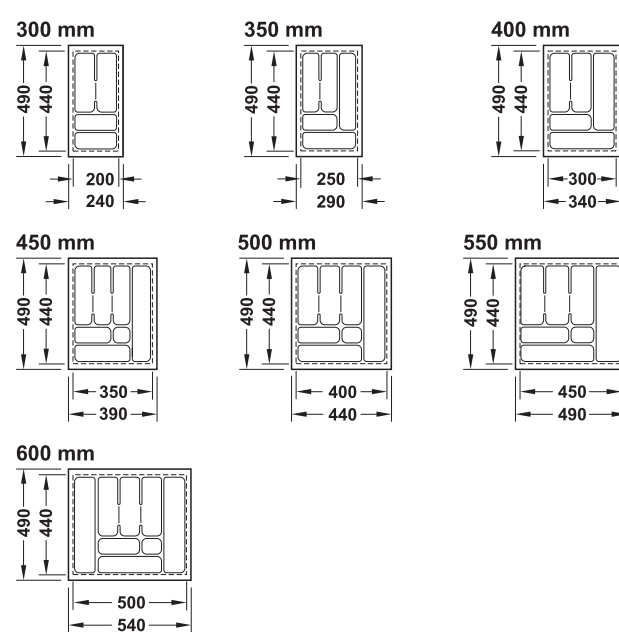
EXZELLENT II CUTLERY TRAY



Nominal length 450 mm



Nominal length 500 mm



> Area of application:	Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
> Material:	Plastic
> Thickness (mm):	2.5
> Height (mm):	57

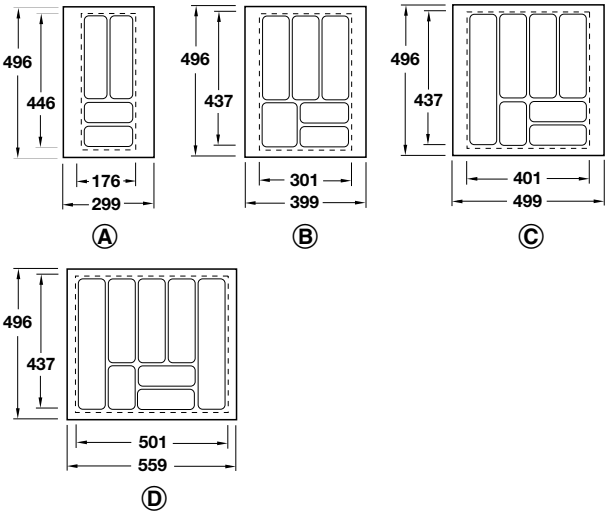
For cabinet width (mm)	Cat. No.
Nominal length 450 mm	
300	556.62.601
350	556.62.602
400	556.62.603
450	556.62.604
500	556.62.605
550	556.62.606
600	556.62.607
Nominal length 500 mm	
300	556.62.621
350	556.62.622
400	556.62.623
450	556.62.624
500	556.62.625
550	556.62.626
600	556.62.627

Packing: 1 piece

BASIC CUTLERY TRAY



> Area of application:	Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
> Material:	Plastic (vacuum formed)
> Thickness (mm):	2.5
> Finish:	White grained
> Version:	With wide edge for cutting to exact drawer size
> Height (mm):	5



	For carcase width (mm)	Cat. No.
Ⓐ	300	556.60.752
Ⓑ	400 - 450	556.60.761
Ⓒ	500 - 550	556.60.770
Ⓓ	600	556.60.789

Packing: 1 piece

DRAWER INSERTS

ALL ROUNDER CUTLERY TRAY



- > Area of application: Suitable for Vionaro and Nova Pro drawers with a depth of 400 mm and 450 mm
- > Material: Plastic (vacuum formed)
- > Finish: White textured
- > Height (mm): 45
- > Thickness (mm): 2

Insert width (mm)	Insert depth (mm)	Cat. No.
305 - 390	365 - 441	556.89.781
365 - 450	365 - 441	556.89.780

Packing: 25 pieces

SMART CUTLERY TRAY



- > Material: Plastic (vacuum formed)
- > Finish: White textured
- > Height (mm): 57
- > Depth (mm): 479
- > For drawer depth (mm): 500
- > Thickness (mm): 1.5

To suit cabinet width (mm)	Insert width (mm)	Cat. No.
450	358	556.68.782

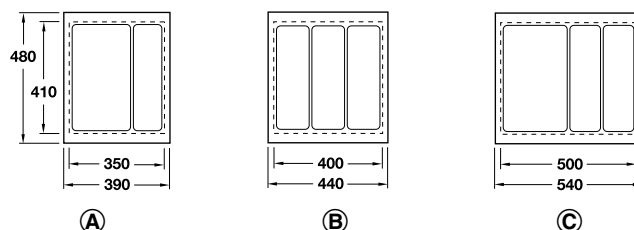
Packing: 25 pieces



Note

Smart tray has been pre-cut to fit straight into a Nova Pro drawer with a depth of 500 mm and cabinet width of 450 mm.

EXZELLENT UTENSIL TRAY



- > Area of application: Suitable for Vionaro and Nova Pro drawers with a depth of 450 mm and 500 mm
- > Material: Plastic (vacuum formed)
- > Colour: White grained
- > Version: With wide edge for cutting to drawer size
- > Height (mm): 57
- > Thickness (mm): 2.5

	For carcass width (mm)	Cat. No.
Ⓐ	450	556.65.748
Ⓑ	500	556.65.757
Ⓒ	600	556.65.766

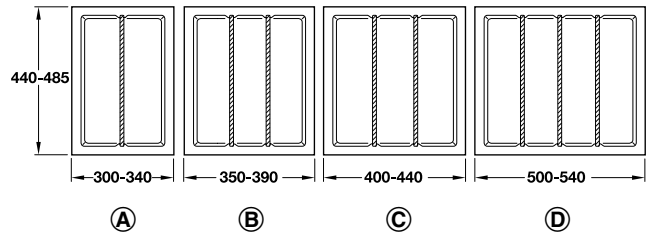
Packing: 1 piece

DRAWER INSERTS

MULTI UTENSIL INSERT



> Area of application:	Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
> Material:	Plastic
> Colour:	Silver-grey
> Version:	With optional dividers
> Height (mm):	50
> Thickness (mm):	2.5



To carcass width (mm)		Width (mm)	Cat. No.
Ⓐ	400	300 - 340	556.54.540
Ⓑ	450	350 - 390	556.54.545
Ⓒ	500	400 - 440	556.54.550
Ⓓ	600	500 - 540	556.54.560

Packing: 1 piece



Note
Please order dividers separately

DIVIDER



> Area of application:	For dividing multi-purpose inserts longitudinally
> Material:	Beech
> Finish:	Lacquered

	Cat. No.
	556.54.319

Packing: 1 piece

CUTLERY HOLDER SET
ASSORTMENT



> Material:	Plastic
> Colour:	Brown
> Version:	Self-adhesive, with felt covering
> Installation:	Gluing in

Assortment	For
50 pieces	12 Knives 12 Forks 12 Spoons 12 Teaspoons 2 Large individual items
70 pieces	24 Knives 24 Forks 12 Spoons 12 Teaspoons 12 Entree forks 6 Large individual items

Assortment	Cat. No.
50	891.21.111
90	891.21.139

Packing: 1 set



Note
Please order felt separately

FELT



> Area of application:	For lining the bottom of Vionaro and Nova Pro drawers with a depth of 500 mm
> Colour:	Brown
> Version:	Self-adhesive
> Dimensions (mm):	1000 x 450

	Cat. No.
	891.21.193

Packing: 1 piece

DRAWER INSERTS

SALSA CUTLERY AND SPICE TRAY

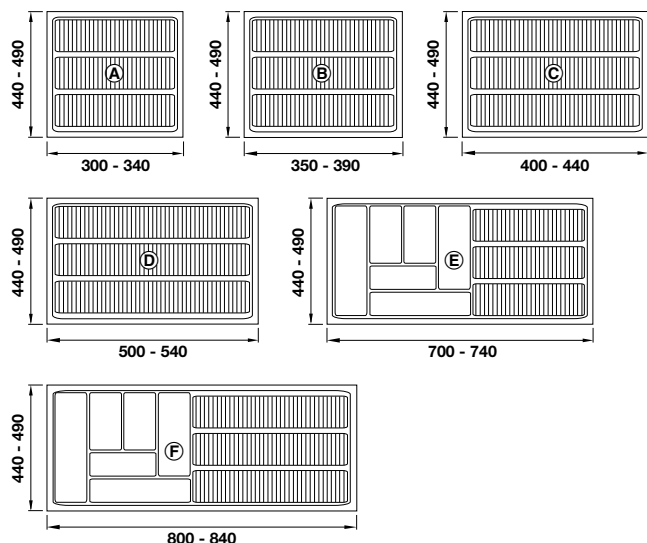


- > Area of application: Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
- > Material: Plastic (vacuum formed)
- > Finish: White textured or silver textured
- > Height (mm): 50
- > Thickness (mm): 2.5

	To suit cabinet width (mm)	Insert width (mm)	White textured	Silver textured
(A)	400	300 - 340	556.63.752	556.63.552
(B)	450	350 - 390	556.63.753	556.63.553
(C)	500	400 - 440	556.63.754	556.63.554
(D)	600	500 - 540	556.63.756	556.63.556
(E)	800	700 - 740	556.63.757	556.63.557
(F)	900	800 - 840	556.63.758	556.63.558

Packing: 1 piece

Dimensions (mm)



Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

SPICE DRAWER TRAY



- > Area of application: For storage of spice jars
- > Material: Plastic (vacuum formed)
- > Finish: White, gloss
- > Size (mm): 1300 x 550 (W x D)
- > Inside drawer height (mm): Min. 83
- > Thickness (mm): 3

Cat. No.
556.79.706

Packing: 1 piece

PLATE RACK



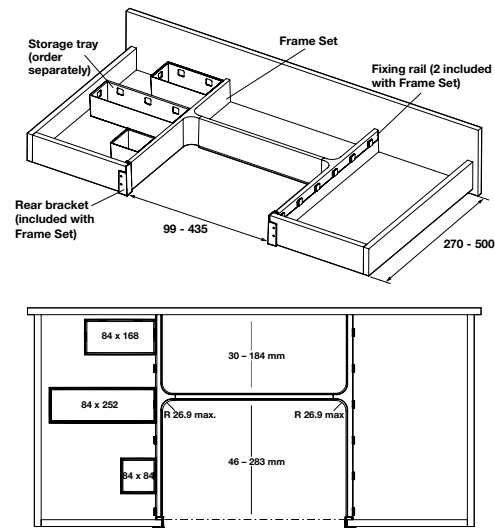
- > Area of application: Suitable for Vionaro and Nova Pro drawers with a depth of 500 mm
- > Material: Plastic (vacuum formed)
- > Finish: Silver, matt
- > Size (mm): 840 x 490 (W x D)
- > Height (mm): 60
- > Thickness (mm): 2.5

Cat. No.
556.50.557

Packing: 1 piece

UNDERSINK ORGANISER

BANIO ORGANISATION SYSTEM



BANIO FRAME SET



- > Area of application:

Suitable for Vionaro and Nova Pro undersink drawers
- > Version:

Length and width adjustable by cutting the centre and side components
- > Material:

Plastic
- > Finish:

White or Dark Grey
- > Supplied with:

2 x side components
1 x centre component
2 x positioning strips
2 x rear panel brackets

Finish	Cat. No.
White	556.23.704
Dark Grey	556.23.604

Packing: 20 pieces

BANIO FIXING RAIL



- > Length x height x depth:

505 x 27 x 8 mm
- > Features:

Fix to flat surface such as cabinet wall with double-sided adhesive tape or glue (ensure adhesive used is suitable for application)
- > Material:

Plastic
- > Finish:

White or Dark Grey
- > Dimensions:

505 x 27 x 8 mm

Finish	Cat. No.
White	556.23.790
Dark Grey	556.23.693

Packing: 1 piece

BANIO STORAGE TRAYS



- > Suitable for:

Banio frame set, fixing rail or free standing
- > Version:

Robust and easy to clean
- > Material:

Plastic
- > Finish:

White or Graphite translucent
- > Dimensions:

Small tray: 65 x 84 x 84 mm
Medium tray: 65 x 168 x 84 mm
Large tray: 65 x 252 x 84 mm

Finish	Size	Cat. No.
White translucent	Small	556.23.720
	Medium	556.23.721
	Large	556.23.722
Graphite translucent	Small	556.23.320
	Medium	556.23.321
	Large	556.23.322

Packing: 1 piece

DRAWER INSERTS

MAGIC OPTIMA DRAWER DIVIDER



- > Material: Aluminium and plastic
- > Finish: Silver Metallic and Grey or White
- > Features: Suitable for all 90 and 122 mm Nova Pro drawer sides
Can be cut to size if required

Finish	To suit cabinet width (mm)	Quantity of smartboards	Cat. No.
Silver Metallic and Grey	600	2	553.19.947
	1200	4	553.19.952
White	1200	4	553.19.781

Packing: 10 pieces

MAGIC OPTIMA SMARTBOARD



- > Area of application: Clips onto Magic Optima drawer divider
- > Material: Plastic
- > Finish: Grey or White

Finish	Cat. No.
Grey	553.19.569
White	553.19.769

Packing: 10 pieces

LATERAL DRAWER DIVIDER



- > Material: Aluminium and plastic
- > Finish: Silver Metallic and Grey or White
- > Features: Suitable for all 90 and 122 mm Nova Pro drawer sides
Can be cut to size if required

Finish	To suit cabinet width (mm)	Cat. No.
Silver	1200	553.19.212
White	1200	553.19.780

Packing: 10 pieces

BOTTLE HOLDER



- > Area of application: Clips onto round cross rail
- > Material: Plastic
- > Finish: Anthracite

Cat. No.
558.01.502

Packing: 20 pieces

DRAWER MATS

ANTI-SLIP MATS



> Material:	Polystyrene/rubber
> Colour:	White or silver coloured
> Finish:	Napped
> Width (mm):	1550

Length (mm)	Colour	Cat. No.
500	White	547.90.790
	Silver	547.90.990
10,000	White	547.90.715
	Light Grey	547.90.515
	Anthracite	547.90.315

Packing: 1 piece

PRE-CUT ANTI-SLIP MATS
WITH SILVER OR WHITE FINISH



> Material:	Polystyrene/rubber
> Finish:	Silver coloured
> Area of application	Suitable for all Nova Pro drawers with a depth of 500 mm (mat depth = 480 mm)

To suit cabinet width (mm)	Mat width (mm)	Cat. No.
450	352	557.71.044
600	502	557.71.047
900	802	557.71.049
1200	1102	557.71.050

Packing: 1 piece

INSERT MAT WITH STRIPS



Silver coloured grained



Maple effect

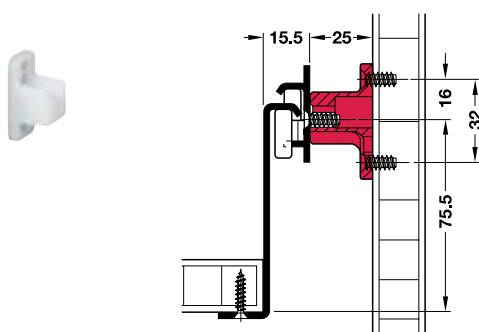
> Material:	Plastic
> Version:	Insert mat with non-slip rubber strips, can be cut to fit any length and width

Finish/colour	Dim. (mm)	Cat. No.
Mat: Silver coloured grained Rubber strips: Black	510 x 600	547.96.567
	810 x 600	547.96.577
Mat: Maple effect Rubber strips: Silver coloured	510 x 600	547.96.167
	810 x 600	547.96.177

Packing: 1 piece

DRAWER ACCESSORIES

SPACER BRACKET

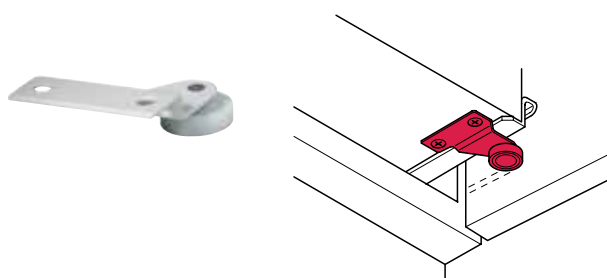


- > Area of Application: To compensate for the door offset of up to max. 25 mm
- > Material: Plastic
- > Finish: White
- > Mounting: For screw fixing into 32 mm series drilled holes

	Cat. No.
	558.12.836

Packing: 20 pieces

DOOR DEFLECTION ROLLER



- > Area of Application: For protecting the hinged door when extending an internal drawer
- > Material: Steel
- > Finish: Powder coated, White
- > Mounting: Left hand or right hand

Mounting	Cat. No.
Left	558.12.809
Right	558.12.818

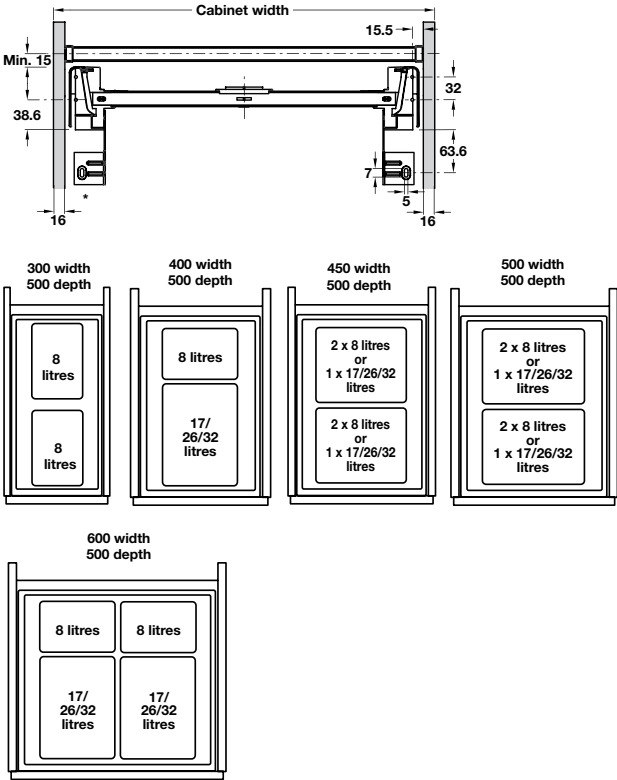
Packing: 100 pieces

WASTE BINS

ONE2FIVE WASTE BIN SYSTEM
ONE2FIVE WASTE BIN SYSTEM COMPLETE SETS



- > Area of application: To suit Nova Pro drawers with a depth of 500 mm
- > Material: Frame: Steel
Lids, base plates and pails: plastic
- > Colour: Light Grey or Dark Grey
- > Features: Three dimensionally adjustable front support brackets



Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

WASTE BINS

ONE2FIVE WASTE BIN SYSTEM COMPLETE SETS - LIGHT GREY FINISH

Cabinet width (mm)	Total capacity (ltr)	Waste bin components (ltr)	Light Grey
300	16	2 x 8	502.91.940
400	25	1 x 8 and 1 x 17	502.91.941
	34	1 x 8 and 1 x 26	502.91.942
	40	1 x 8 and 1 x 32	502.91.943
450	32	4 x 8	502.91.947
	33	2 x 8 and 1 x 17	502.91.948
	34	2 x 17	502.91.949
	42	2 x 8 and 1 x 26	502.91.950
	48	2 x 8 and 1 x 32	502.91.951
	52	2 x 26	502.91.952
	64	2 x 32	502.91.953
500	32	4 x 8	502.91.954
	33	2 x 8 and 1 x 17	502.91.955
	34	2 x 17	502.91.956
	42	2 x 8 and 1 x 26	502.91.957
	48	2 x 8 and 1 x 32	502.91.958
	52	2 x 26	502.91.959
	64	2 x 32	502.91.960
600	50	2 x 8 and 2 x 17	502.91.944
	68	2 x 8 and 2 x 26	502.91.945
	80	2 x 8 and 2 x 32	502.91.946

Packing: 1 piece



Note

- > Each set includes Hanging Frame, Lid Cover Plate, Cover Plate Suspension Rails, Individual Waste Bin Pails and Individual Bin Lids.
- > All dimensions allow for 16 mm side panels.
- > Refer to page 130 onwards for individual component details.

COMPLETE SETS - DARK GREY FINISH

Cabinet width (mm)	Total capacity (ltr)	Waste bin components (ltr)	Dark Grey
300	16	2 x 8	502.92.640
400	25	1 x 8 and 1 x 17	502.92.641
	34	1 x 8 and 1 x 26	502.92.642
	40	1 x 8 and 1 x 32	502.92.643
450	32	4 x 8	502.92.647
	33	2 x 8 and 1 x 17	502.92.648
	34	2 x 17	502.92.649
	42	2 x 8 and 1 x 26	502.92.650
	48	2 x 8 and 1 x 32	502.92.651
	52	2 x 26	502.92.652
	64	2 x 32	502.92.653
500	32	4 x 8	502.92.654
	33	2 x 8 and 1 x 17	502.92.655
	34	2 x 17	502.92.656
	42	2 x 8 and 1 x 26	502.92.657
	48	2 x 8 and 1 x 32	502.92.658
	52	2 x 26	502.92.659
	64	2 x 32	502.92.660
600	50	2 x 8 and 2 x 17	502.92.644
	68	2 x 8 and 2 x 26	502.92.645
	80	2 x 8 and 2 x 32	502.92.646

Packing: 1 piece

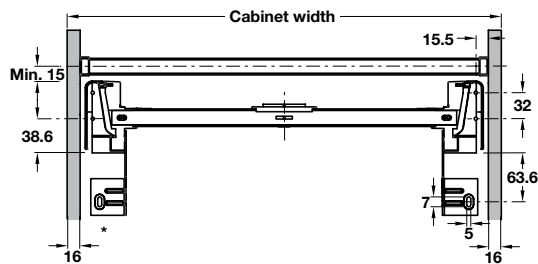


Note

- > Each set includes Hanging Frame, Lid Cover Plate, Cover Plate Suspension Rails, Individual Waste Bin Pails and Individual Bin Lids.
- > All dimensions allow for 16 mm side panels.
- > Refer to page 130 onwards for individual component details.

WASTE BINS

ONE2FIVE WASTE BIN SYSTEM



- > Material:

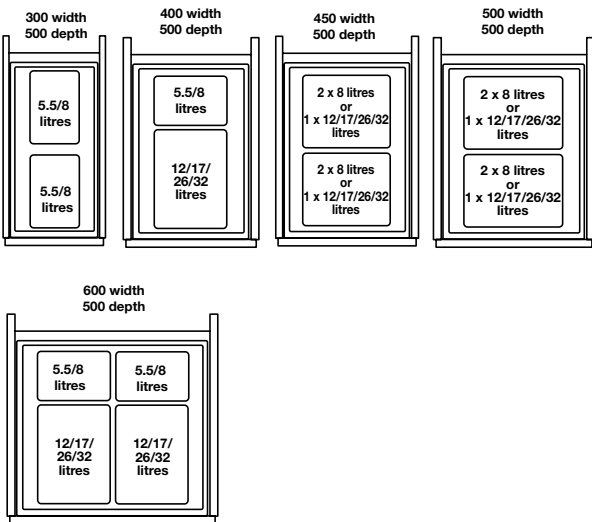
> Finish:

> Features:
- Plastic and steel
Light Grey or Dark Grey
Pre-fitted frame elements, rigid frame construction, three dimensionally adjustable front support brackets, tight integration of the hanging frame in the drawer, same height level of drawer, hanging frame and bins, waste bags strongly fixed by means of carrying handles

FLEXIBLE HANGING FRAMES



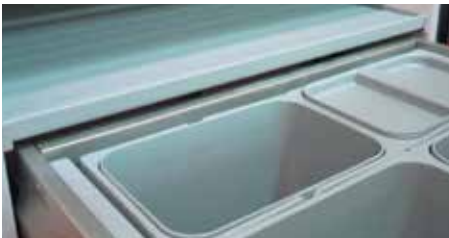
- > Area of application:
- For hanging waste bin pails in Nova Pro drawers with a depth of 500 mm



Cabinet width (mm)	Light Grey	Dark Grey
300	502.90.711	502.91.411
400	502.90.713	502.91.413
450	502.90.714	502.91.414
500	502.90.715	502.91.415
600	502.90.716	502.91.416

Packing: 1 piece

LID COVER PLATES



- > Area of application:

> Features:
- For use with hanging frames

Lid functions as a shelf

Cabinet width (mm)	Light Grey	Dark Grey
300	502.90.641	502.91.441
400	502.90.643	502.91.443
450	502.90.644	502.87.424
500	502.90.645	502.87.425
600	502.90.647	502.87.427

Packing: 1 set

LID COVER PLATE SUSPENSION RAIL



- > Area of application:

> Features:
- For use with lid cover plates

For mounting lid cover plate into cabinet

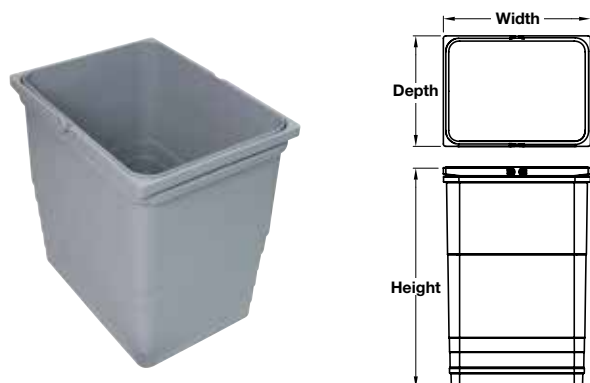
Unhanded

	Light Grey	Dark Grey
	502.90.690	502.87.490

Packing: 1 piece (2 pieces required per lid per cover plate)

WASTE BINS

ONE2FIVE WASTE BIN SYSTEM WASTE BIN PAILS



- > Area of application: For use with One2Five bin frames
- > Features: With folding handles to hold waste bag

Capacity (ltr)	Dimensions (W x D x H)	Light Grey	Dark Grey
5.5	230 x 152 x 220	502.90.510	502.90.610
8	230 x 152 x 311	502.90.501	502.90.601
12	306 x 230 x 220	502.90.512	502.90.612
17	306 x 230 x 311	502.90.502	502.90.602
26	306 x 230 x 450	502.90.503	502.90.603
32	306 x 230 x 570	502.90.504	502.90.604

Packing: 1 piece

ONE2TOP FUNCTIONAL LID SYSTEM LID WITH STORAGE COMPARTMENTS



Light Grey

For pail capacity (ltr)	Shallow	Deep
5.5, 8	502.90.101	502.90.111
12, 17, 26, 32	502.90.102	502.90.122

Packing: 1 piece

Dark Grey

For pail capacity (ltr)	Shallow	Deep
5.5, 8	502.87.601	502.87.616
12, 17, 26, 32	502.87.602	502.87.622

Packing: 1 piece

ONE2TOP FUNCTIONAL LID SYSTEM LID WITH DEEPER STORAGE COMPARTMENTS AND BIO FILTER STORAGE



For pail capacity (ltr)	Cat. No.
5.5, 8	502.90.131
12, 17, 26, 32	502.90.132
Replacement bio-filter	502.90.199

Packing: 1 piece

CLEANING SET



For pail capacity (ltr)	Cat. No.
12, 17, 26, 32	502.90.162

Packing: 1 piece

DUST PAN SET



For pail capacity (ltr)	Cat. No.
12, 17, 26, 32	502.90.153

Packing: 1 piece

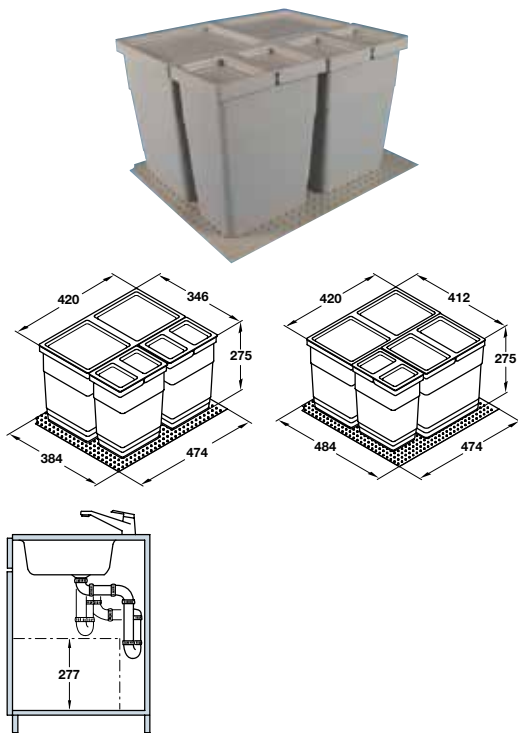


Note

Lid with deeper storage, cleaning set and dust pan set are only available in a light grey finish.

WASTE BINS

ONE2FOUR WASTE BIN SYSTEM



- > Area of Application:

Suitable for Nova Pro drawers with a length of 500 mm
- > Material:

Plastic
- > Colour:

Light Grey
- > Height (mm):

Min. 280

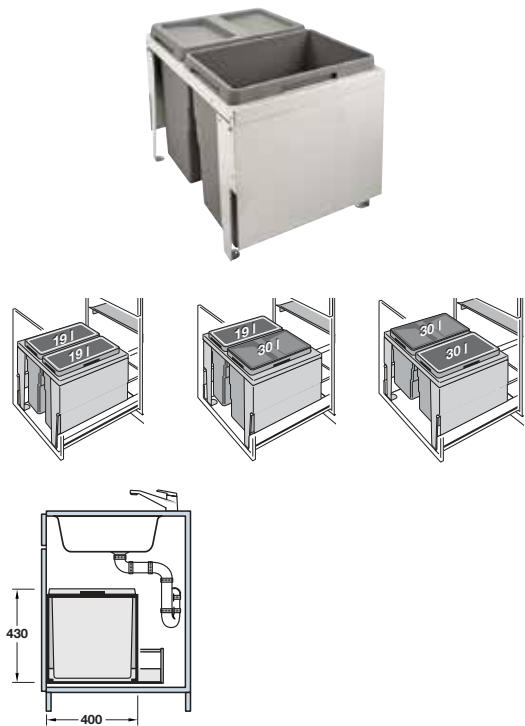
To suit cabinet width (mm)	Bin capacity (ltr)	Cat. No.
500	1 x 21 and 2 x 6	502.90.925
600	1 x 21, 1 x 13.5 and 1 x 6	502.90.935

Packing: 1 set

- Supplied with:

> Fixing materials

XXXL WASTE BIN SET



- > Area of Application:

For installation with Nova Pro drawers with a length from 450 mm
- > Material:

Frame: Steel
Pails: Plastic
- > Finish:

White powder coat and Grey
- > Height (mm):

Min. 430
- > Suitable For:

All Nova Pro drawers with a length of 450 mm and above

To suit cabinet width (mm)	Bin capacity (ltr)	Cat. No.
450	2 x 19	502.04.531
500	1 x 19 and 1 x 30	502.04.532
600	2 x 30	502.04.533

Packing: 1 set

- Supplied with:

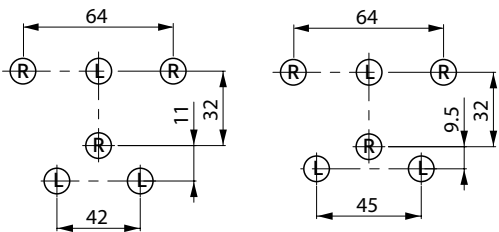
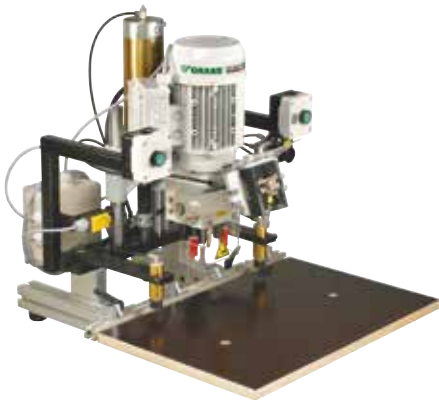
> Fixing materials
> 1 x 30 ltr individual pail lid for 502.04.532 and 502.04.533



MACHINERY AND TOOLS

DRILLING AND INSERTION MACHINERY

TECMATOR RP 6-SPINDLE MACHINE



> Features:	Robust and sturdy design for practical use. Pneumatic two hand switch for fast and safe operation. 6 spindle boring head for hinges, mounting plates and drawers.
-------------	---

380 V, 50 Hz (3 phase)	42 / 11 45 / 9.5	001.97.067 001.97.065
230 V, 50 Hz (single phase)	42 / 11 45 / 9.5	001.97.068 001.97.066 001.97.066

Packing: 1 piece



Note
Not supplied with drill bits (refer to page 137)



- Supplied with:**
- > 1 Tool kit
 - > 1 Fence (600 mm)
 - > 2 fence stops
 - > 1 working platform

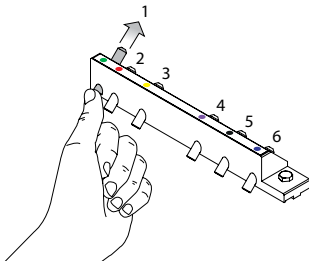
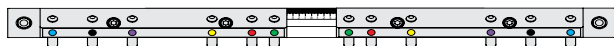
TECMATOR MULTI-STOP



> Features:	Assists with drawer front drilling for Nova Pro drawers. Six different colour coded stop positions
-------------	---

001.97.190

Packing: 1 piece



Nova Pro	1	2	3	4	5	6
Nova Pro H90	●	●	●	-	-	-
Nova Pro Crystal H90	●	●	●	-	●	-
Nova Pro H90, railing	●	●	●	●	-	-
Nova Pro H122	●	●	●	-	-	-
Nova Pro H122, railing	●	●	●	-	●	-

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

DRAWER ASSEMBLY MACHINERY

ZP-3N DRAWER ASSEMBLY MACHINE



- > Area of Application: For large scale, mass production
- > Suitable For: Nova Pro drawers
- > Features: Suitable for drawers to fit cabinet width up to 1200 mm
- > Dimensions (W x D x H): 2300 x 1000 x 1950 mm
- > Weight: 420 kg (approx)
- > Power Supply: Pneumatic, 6 bar pressure dry

	Packing	Cat. No.
ZP-3N Drawer Assembly Machine	1 Piece	558.18.243
Spare Press-in Bracket Set	1 Pair	558.18.305
Holding Device for Scala drawers	1 Pair	558.18.304

Packing: 1 piece

ZMV-TP DRAWER PRESS



- > Area of Application: For small to medium series production
- > Suitable For: Nova Pro drawers
- > Features: Suitable for drawers to fit cabinet width up to 1200 mm
pneumatic operation
- > Dimensions (mm): 1460 x 920 x 360 (W x D x H)
- > Weight (kg): 20 (approx)
- > Power Supply: Pneumatic, 6 bar pressure dry

	Cat. No.
	558.18.231

Packing: 1 piece

ZMV-FIX DRAWER PRESS



- > Area of Application: For small to medium series production
- > Suitable For: Nova Pro drawers
- > Features: Suitable for drawers to fit cabinet width up to 1200 mm
Manual operation
- > Dimensions (mm): 1520 x 720 x 360 (W x D x H)
- > Weight (kg): 20 (approx)

	Cat. No.
	558.18.236

Packing: 1 piece

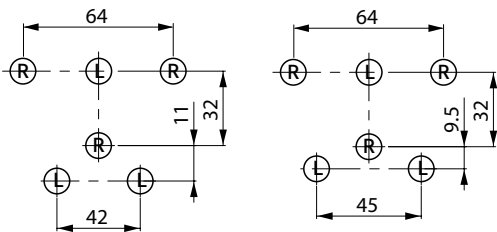
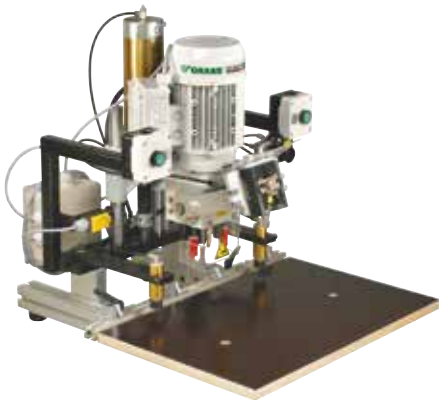


Note

All Grass drawer assembly machinery are considered non-stock items, and lead times will apply to supply from Austria.

DRILLING AND INSERTION MACHINERY

TECMATOR RP 6-SPINDLE MACHINE



- > Features:
- Robust and sturdy design for practical use.
Pneumatic two hand switch for fast and safe operation.
6 spindle boring head for hinges, mounting plates and drawers.

Version	Drilling pattern	Cat. No.
380 V, 50 Hz (3 phase)	42 / 11	001.97.067
	45 / 9.5	001.97.065
230 V, 50 Hz (single phase)	42 / 11	001.97.068
	45 / 9.5	001.97.066

Packing: 1 piece

!

Note
Not supplied with drill bits (refer to page 137)

+

Supplied with:
> 1 Tool kit
> 1 Fence (600 mm)
> 2 fence stops
> 1 working platform

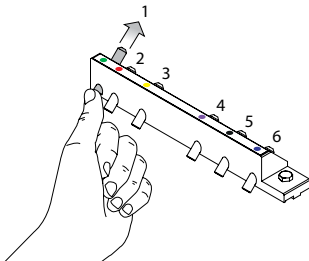
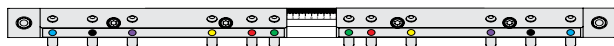
TECMATOR MULTI-STOP



- > Features:
- Assists with drawer front drilling for Nova Pro drawers.
Six different colour coded stop positions

Cat. No.
001.97.190

Packing: 1 piece



Nova Pro	1	2	3	4	5	6
Nova Pro H90	●	●	●	-	-	-
Nova Pro Crystal H90	●	●	●	-	●	-
Nova Pro H90, railing	●	●	●	●	-	-
Nova Pro H122	●	●	●	-	-	-
Nova Pro H122, railing	●	●	●	-	●	-

DRILLING AND INSERTION MACHINERY

TECMATOR RP ACCESSORIES



- > Features: Additional accessories to provide greater functionality to the standard Tecmator RP machine

	Cat. No.
Fence extension, LH, 800 mm	001.97.020
Fence extension, RH, 800 mm	001.97.021
Fence stop	001.97.022
Quick release chuck, LH	001.97.024
Quick release chuck, RH	001.97.025
Main spindle	001.97.026

Packing: 1 piece

TECMATOR RP DRILL BITS



- > Features: Drill bit with Hex shank 10 mm, with one flat side for clamping. Adjustment screw for re-adjusting the drill bit length after sharpening. Tungsten carbide tipped

	Cat. No.
35 mm RH	001.97.508
10 mm LH	001.97.455
8 mm LH	001.97.437
5 mm RH	001.97.400
5 mm LH	001.97.419

Packing: 1 piece

MACHINE CONVERSION KITS FOR TIOMOS HINGES



- > Features: Designed to allow insertion of Grass Tiomos hinges on Blum Minipress M and Minipress P drilling machines

	Cat. No.
Insertion Die for 110' Hinges	001.96.140
Insertion Die for Linear Mount Plate	001.96.141
Clamping Arm Modification Kit	001.96.142

Packing: 1 piece



Note
Insertion Die mounts onto Clamping Arm Modification Kit

JIGS AND TOOLS

NOVA PRO DRAWER FRONT MARKING JIGS



> Area of application:	Used to precisely mark the front hook drilling positions onto the drawer front
------------------------	--

To Suit drawer side height (mm)	Cat. No.
63	558.18.072
90 and 122	558.18.071
Crystal	558.18.074

Packing: 1 piece

NOVA PRO FRONT HOOK INSERTION DIE



> Area of application:	Used to precisely install knock-in front hooks for Nova Pro drawers
------------------------	---

To Suit drawer side height (mm)	Cat. No.
63	558.18.080
90 and 122	001.35.100

Packing: 1 piece

GRASS SCREWDRIVER



	Cat. No.
	006.28.321

Packing: 1 piece

BASIC DRILLING TEMPLATE FOR TIOMOS HINGES

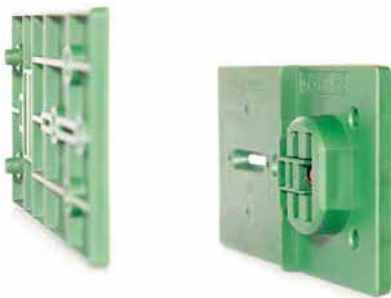


> Features:	For simple marking and predrilling of all Tiomos hinges and mount plates
-------------	--

Drilling pattern	Cat. No.
42 / 11	348.40.054
45 / 9.5	348.40.051

Packing: 1 piece

TIOMOS COMFORT MARKING GAUGE



> Features:	Easy to use with adjustable cup distance Suitable for cup drilling and mounting plate drilling (cruciform and linear)
-------------	--

	Cat. No.
	348.40.055

Packing: 1 piece

TIOMOS INLINE MOUNTING PLATE INSERTION DIE



> Features:	Aids in the installation of Tiomos Inline Mounting Plates with knock-in dowels.
-------------	---

	Cat. No.
	348.40.052

Packing: 1 piece

Dimensions in mm Dimensional data not binding. Images are for illustrative use only. We reserve the right to alter specifications without notice

JIGS AND TOOLS

NOVA PRO TIPMATIC PLUS LOCKING UNIT DRILLING JIG



> Area of Application: Used to accurately drill for the locking unit for the Nova Pro Tipmatic Plus runner

	Cat. No.
	558.18.131

Packing: 1 piece

SENSOMATIC FRAME SET DRILLING JIG

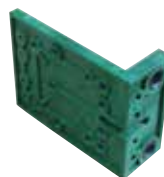


> Area of Application: Used to accurately drill for the Sensomatic frame side top and bottom fixing brackets

	Cat. No.
	558.18.133

Packing: 1 piece

DYNAPRO DRAWER DRILLING JIG

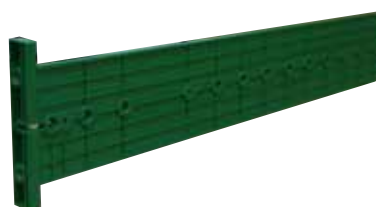


> Area of Application: Used to accurately drill for the Dynapro front locking device and rear adjustment adaptor.

	Cat. No.
	433.19.010

Packing: 1 piece

DYNAPRO RUNNER DRILLING JIG



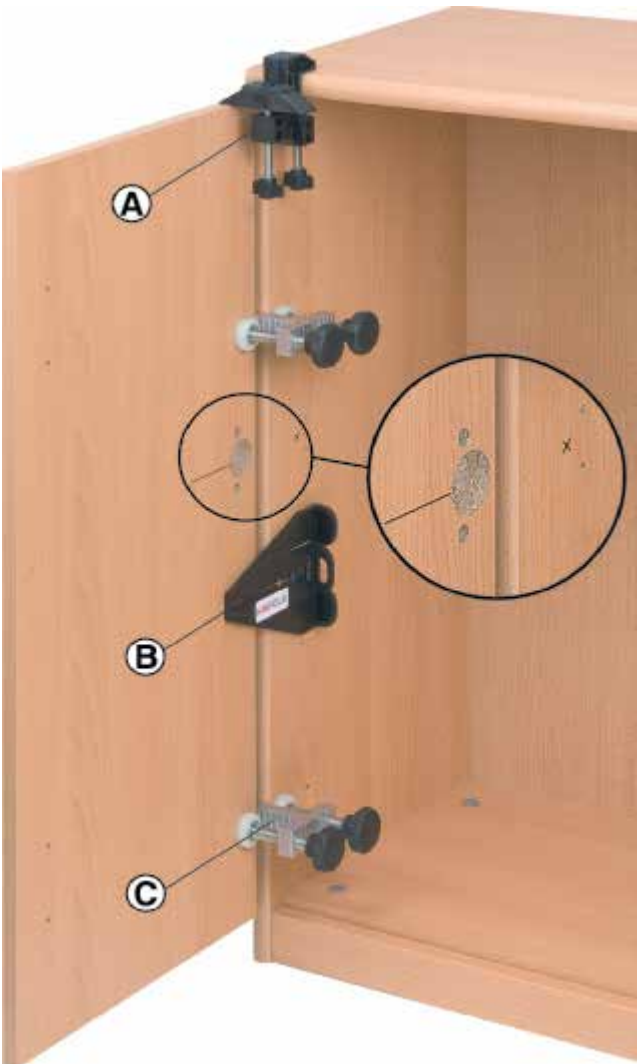
> Area of Application: Used to assist in the carcass drilling for Dynapro runners

	Cat. No.
	433.19.021

Packing: 1 piece

HINGE DRILLING TOOLS

HINGE DOOR DRILLING JIG



- A Continuously adjustable vertical stop
- B Double screw clamp for rapid fixing of door to cabinet
- C Marking jig for transferring the row of holes to the concealed hinge



- > Features:
- Complete set for rapid, precise and professional mounting of furniture doors and drilling of the required holes
 - Different drilling patterns can be adjusted (the drilling pattern 52/5.5 is factory set)
 - Comprehensive operating instructions that contain detailed description of the work procedures



- Supplied with:
- > 1 Drilling jig with drilling template and drill bit
 - > 1 Vertical stop, continuously adjustable
 - > 2 Double screw clamps
 - > 1 Marking gauge
 - > 1 Set of operating instructions

	Cat. No.
	001.33.000

Packing: 1 piece

REPLACEMENT DRILL BIT/ROUTER BIT

Diameter (mm)	Cat. No.
35	001.33.009
8	001.33.006
10	001.33.007

Packing: 1 piece

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433.20.751.....	105	502.91.411.....	130	547.96.167.....	126	550.46.339.....	52
433.20.756.....	105	502.91.413.....	130	547.96.177.....	126	550.46.721.....	52
433.20.761.....	105	502.91.414.....	130	547.96.567.....	126	550.46.729.....	52
433.20.766.....	105	502.91.415.....	130	547.96.577.....	126	550.46.731.....	52
433.20.946.....	106	502.91.416.....	130			550.46.739.....	52
433.20.951.....	106	502.91.441.....	130			550.46.995.....	52
433.20.956.....	106	502.91.443.....	130			550.46.997.....	52
433.20.961.....	106	502.91.940.....	129	550.		550.46.999.....	52
433.20.966.....	106	502.91.941.....	129	550.45.300.....	46	550.47.001.....	52
433.20.971.....	106	502.91.942.....	129	550.45.301.....	46	550.47.003.....	52
433.20.976.....	106	502.91.943.....	129	550.45.302.....	46	550.47.005.....	52
		502.91.944.....	129	550.45.303.....	46	550.47.090.....	52
502.		502.91.945.....	129	550.45.304.....	46	550.47.330.....	52
502.04.532.....	132	502.91.946.....	129	550.45.305.....	46	550.47.330.....	52
502.04.533.....	132	502.91.947.....	129	550.45.306.....	46	550.47.730.....	52
502.04.541.....	132	502.91.948.....	129	550.45.314.....	46	550.47.730.....	52
502.04.542.....	132	502.91.949.....	129	550.45.315.....	46	550.47.900.....	52
502.04.543.....	132	502.91.950.....	129	550.45.316.....	46	550.47.902.....	52
502.87.424.....	130	502.91.951.....	129	550.45.317.....	46	550.47.920.....	52
502.87.425.....	130	502.91.952.....	129	550.45.318.....	46	550.48.300.....	50
502.87.427.....	130	502.91.953.....	129	550.45.320.....	46	550.48.301.....	50
502.87.490.....	130	502.91.954.....	129	550.45.321.....	46	550.48.302.....	50
502.87.601.....	131	502.91.955.....	129	550.45.322.....	46	550.48.303.....	50
502.87.602.....	131	502.91.956.....	129	550.45.323.....	46	550.48.304.....	50
502.87.616.....	131	502.91.957.....	129	550.45.324.....	46	550.48.305.....	50
502.87.622.....	131	502.91.958.....	129	550.45.325.....	46	550.48.306.....	50
502.90.101.....	131	502.91.959.....	129	550.45.326.....	46	550.48.314.....	50
502.90.102.....	131	502.91.960.....	129	550.45.334.....	46	550.48.315.....	50
502.90.111.....	131	502.92.640.....	129	550.45.335.....	46	550.48.316.....	50
502.90.122.....	131	502.92.641.....	129	550.45.336.....	46	550.48.317.....	50
502.90.131.....	131	502.92.642.....	129	550.45.337.....	46	550.48.318.....	50
502.90.132.....	131	502.92.643.....	129	550.45.338.....	46	550.48.320.....	50
502.90.153.....	131	502.92.644.....	129			550.48.321.....	50
						550.48.322.....	50

550.48.323.....	50	550.49.725.....	49	553.00.907.....	83	553.08.116.....	62
550.48.324.....	50	550.49.726.....	49	553.00.927.....	83	553.08.117.....	62
550.48.325.....	50	550.49.734.....	49	553.00.930.....	83	553.08.118.....	62
550.48.326.....	50	550.49.735.....	49	553.00.935.....	83	553.08.135.....	62
550.48.334.....	50	550.49.736.....	49	553.00.940.....	83	553.08.136.....	62
550.48.335.....	50	550.79.004.....	110	553.00.945.....	83	553.08.137.....	62
550.48.336.....	50	550.79.005.....	110	553.00.950.....	83	553.08.138.....	62
550.48.337.....	50	550.79.006.....	110	553.00.956.....	83	553.08.139.....	62
550.48.338.....	50	550.79.007.....	110	553.00.961.....	83	553.08.152.....	62
550.48.700.....	51	550.79.008.....	110	553.01.750.....	84	553.08.153.....	62
550.48.701.....	51	550.79.009.....	110	553.01.755.....	84	553.08.154.....	62
550.48.702.....	51	550.79.010.....	110	553.01.760.....	84	553.08.155.....	62
550.48.703.....	51	550.79.012.....	110	553.01.765.....	84	553.08.156.....	62
550.48.704.....	51	550.79.201.....	110	553.01.946.....	83	553.08.157.....	62
550.48.705.....	51	550.79.202.....	110	553.01.951.....	83	553.08.176.....	62
550.48.706.....	51	550.79.203.....	110	553.01.956.....	83	553.08.177.....	62
550.48.714.....	51	550.79.204.....	110	553.01.961.....	83	553.08.178.....	62
550.48.715.....	51	550.79.205.....	110	553.01.966.....	83	553.08.179.....	62
550.48.716.....	51	550.79.206.....	110	553.04.241.....	80	553.08.201.....	79
550.48.717.....	51	550.79.207.....	110	553.04.246.....	80	553.08.202.....	79
550.48.718.....	51	550.79.212.....	110	553.04.251.....	80	553.08.203.....	79
550.48.720.....	51	550.79.704.....	110	553.04.256.....	80	553.08.204.....	79
550.48.721.....	51	550.79.705.....	110	553.04.741.....	81	553.08.205.....	79
550.48.722.....	51	550.79.706.....	110	553.04.746.....	81	553.08.206.....	79
550.48.723.....	51	550.79.707.....	110	553.04.751.....	81	553.08.207.....	79
550.48.724.....	51	550.79.708.....	110	553.04.756.....	81	553.08.208.....	79
550.48.725.....	51	550.79.709.....	110	553.05.228.....	80	553.08.211.....	79
550.48.726.....	51	550.79.710.....	110	553.05.231.....	80	553.08.212.....	79
550.48.734.....	51	550.79.712.....	110	553.05.236.....	80	553.08.213.....	79
550.48.735.....	51			553.05.241.....	80	553.08.214.....	79
550.48.736.....	51	553.		553.05.246.....	80	553.08.215.....	79
550.48.737.....	51	553.00.010.....	84	553.05.250.....	80	553.08.216.....	79
550.48.738.....	51	553.00.300.....	86	553.05.251.....	80	553.08.217.....	79
550.49.302.....	48	553.00.336.....	86	553.05.256.....	80	553.08.218.....	79
550.49.303.....	48	553.00.341.....	87	553.05.261.....	80	553.08.242.....	99
550.49.304.....	48	553.00.342.....	87	553.05.265.....	80	553.08.272.....	99
550.49.305.....	48	553.00.343.....	87	553.05.728.....	81	553.08.612.....	63
550.49.306.....	48	553.00.350.....	87	553.05.731.....	81	553.08.613.....	63
550.49.314.....	48	553.00.351.....	87	553.05.736.....	81	553.08.614.....	63
550.49.315.....	48	553.00.360.....	87	553.05.741.....	81	553.08.615.....	63
550.49.316.....	48	553.00.370.....	87	553.05.746.....	81	553.08.616.....	63
550.49.322.....	48	553.00.380.....	87	553.05.750.....	81	553.08.617.....	63
550.49.323.....	48	553.00.385.....	87	553.05.751.....	81	553.08.618.....	63
550.49.324.....	48	553.00.390.....	86	553.05.756.....	81	553.08.635.....	63
550.49.325.....	48	553.00.391.....	86	553.05.761.....	81	553.08.636.....	63
550.49.326.....	48	553.00.392.....	86	553.06.241.....	80	553.08.637.....	63
550.49.334.....	48	553.00.400.....	86	553.06.246.....	80	553.08.638.....	63
550.49.335.....	48	553.00.401.....	86	553.06.250.....	80	553.08.639.....	63
550.49.336.....	48	553.00.402.....	86	553.06.251.....	80	553.08.652.....	63
550.49.702.....	49	553.00.413.....	87	553.06.256.....	80	553.08.653.....	63
550.49.703.....	49	553.00.420.....	86	553.06.261.....	80	553.08.654.....	63
550.49.704.....	49	553.00.450.....	88	553.06.741.....	81	553.08.655.....	63
550.49.705.....	49	553.00.492.....	88	553.06.746.....	81	553.08.656.....	63
550.49.706.....	49	553.00.727.....	84	553.06.750.....	81	553.08.657.....	63
550.49.714.....	49	553.00.730.....	84	553.06.751.....	81	553.08.676.....	63
550.49.715.....	49	553.00.735.....	84	553.06.756.....	81	553.08.677.....	63
550.49.716.....	49	553.00.740.....	84	553.08.112.....	62	553.08.678.....	63
550.49.722.....	49	553.00.745.....	84	553.08.113.....	62	553.08.679.....	63
550.49.723.....	49	553.00.750.....	84	553.08.114.....	62	553.08.701.....	79
550.49.724.....	49	553.00.755.....	84	553.08.115.....	62	553.08.702.....	79

553.08.703.....	79	553.14.286.....	76	553.17.776.....	61	553.26.713.....	71
553.08.704.....	79	553.14.296.....	77	553.17.777.....	61	553.26.714.....	71
553.08.705.....	79	553.14.751.....	69	553.17.778.....	61	553.26.715.....	71
553.08.706.....	79	553.14.752.....	69	553.17.786.....	76	553.26.716.....	71
553.08.707.....	79	553.14.753.....	69	553.18.254.....	60	553.26.717.....	71
553.08.708.....	79	553.14.754.....	69	553.18.255.....	60	553.26.718.....	71
553.08.746.....	99	553.14.755.....	69	553.18.256.....	60	553.26.735.....	71
553.08.776.....	99	553.14.756.....	69	553.18.257.....	60	553.26.736.....	71
553.08.799.....	79	553.14.757.....	69	553.18.258.....	60	553.26.737.....	71
553.08.999.....	79	553.14.758.....	69	553.18.275.....	60	553.26.738.....	71
553.10.228.....	78	553.14.775.....	69	553.18.276.....	60	553.26.752.....	73
553.10.231.....	78	553.14.776.....	69	553.18.277.....	60	553.26.753.....	73
553.10.236.....	78	553.14.777.....	69	553.18.278.....	60	553.26.754.....	73
553.10.241.....	78	553.14.778.....	69	553.18.286.....	76	553.26.755.....	73
553.10.246.....	78	553.14.786.....	76	553.18.296.....	77	553.26.756.....	73
553.10.250.....	78	553.14.796.....	77	553.18.754.....	61	553.26.757.....	73
553.10.251.....	78	553.15.254.....	68	553.18.755.....	61	553.26.758.....	73
553.10.256.....	78	553.15.255.....	68	553.18.756.....	61	553.26.775.....	73
553.10.261.....	78	553.15.256.....	68	553.18.757.....	61	553.26.776.....	73
553.10.266.....	78	553.15.257.....	68	553.18.758.....	61	553.26.777.....	73
553.10.729.....	78	553.15.258.....	68	553.18.775.....	61	553.26.778.....	73
553.10.732.....	78	553.15.275.....	68	553.18.776.....	61	553.26.790.....	74
553.10.737.....	78	553.15.276.....	68	553.18.777.....	61	553.26.791.....	74
553.10.741.....	78	553.15.277.....	68	553.18.778.....	61	553.26.792.....	74
553.10.742.....	78	553.15.278.....	68	553.18.786.....	76	553.27.214.....	70
553.10.746.....	78	553.15.286.....	76	553.19.212.....	125	553.27.215.....	70
553.10.747.....	78	553.15.296.....	77	553.19.569.....	125	553.27.216.....	70
553.10.750.....	78	553.15.754.....	69	553.19.769.....	125	553.27.217.....	70
553.10.751.....	78	553.15.755.....	69	553.19.780.....	125	553.27.218.....	70
553.10.752.....	78	553.15.756.....	69	553.19.781.....	125	553.27.235.....	70
553.10.756.....	78	553.15.757.....	69	553.19.947.....	125	553.27.236.....	70
553.10.757.....	78	553.15.775.....	69	553.19.952.....	125	553.27.237.....	70
553.10.761.....	78	553.15.776.....	69	553.26.212.....	70	553.27.238.....	70
553.10.762.....	78	553.15.777.....	69	553.26.213.....	70	553.27.254.....	72
553.11.741.....	78	553.15.786.....	76	553.26.214.....	70	553.27.255.....	72
553.11.746.....	78	553.15.796.....	77	553.26.215.....	70	553.27.256.....	72
553.11.751.....	78	553.17.251.....	60	553.26.216.....	70	553.27.257.....	72
553.11.756.....	78	553.17.252.....	60	553.26.217.....	70	553.27.258.....	72
553.11.761.....	78	553.17.253.....	60	553.26.218.....	70	553.27.275.....	72
553.13.254.....	68	553.17.254.....	60	553.26.235.....	70	553.27.276.....	72
553.13.255.....	68	553.17.255.....	60	553.26.236.....	70	553.27.277.....	72
553.13.256.....	68	553.17.256.....	60	553.26.237.....	70	553.27.278.....	72
553.13.257.....	68	553.17.257.....	60	553.26.238.....	70	553.27.714.....	71
553.13.754.....	69	553.17.258.....	60	553.26.239.....	70	553.27.715.....	71
553.13.755.....	69	553.17.275.....	60	553.26.252.....	72	553.27.716.....	71
553.13.756.....	69	553.17.276.....	60	553.26.253.....	72	553.27.717.....	71
553.13.757.....	69	553.17.277.....	60	553.26.254.....	72	553.27.735.....	71
553.14.251.....	68	553.17.278.....	60	553.26.255.....	72	553.27.736.....	71
553.14.252.....	68	553.17.279.....	60	553.26.256.....	72	553.27.737.....	71
553.14.253.....	68	553.17.286.....	76	553.26.257.....	72	553.27.754.....	73
553.14.254.....	68	553.17.296.....	77	553.26.258.....	72	553.27.755.....	73
553.14.255.....	68	553.17.751.....	61	553.26.275.....	72	553.27.756.....	73
553.14.256.....	68	553.17.752.....	61	553.26.276.....	72	553.27.757.....	73
553.14.257.....	68	553.17.753.....	61	553.26.277.....	72	553.27.775.....	73
553.14.258.....	68	553.17.754.....	61	553.26.278.....	72	553.27.776.....	73
553.14.275.....	68	553.17.755.....	61	553.26.279.....	72	553.27.777.....	73
553.14.276.....	68	553.17.756.....	61	553.26.290.....	74	553.28.212.....	64
553.14.277.....	68	553.17.757.....	61	553.26.291.....	74	553.28.213.....	64
553.14.278.....	68	553.17.758.....	61	553.26.292.....	74	553.28.214.....	64
553.14.279.....	68	553.17.775.....	61	553.26.712.....	71	553.28.215.....	64

553.28.216.....	64	553.29.257.....	66	553.36.726.....	69	553.37.776.....	73
553.28.217.....	64	553.29.258.....	66	553.36.727.....	69	553.37.777.....	73
553.28.218.....	64	553.29.275.....	66	553.36.736.....	69	553.38.221.....	60
553.28.235.....	64	553.29.276.....	66	553.36.737.....	69	553.38.222.....	60
553.28.236.....	64	553.29.277.....	66	553.36.738.....	69	553.38.223.....	60
553.28.237.....	64	553.29.278.....	66	553.36.742.....	71	553.38.224.....	60
553.28.238.....	64	553.29.714.....	65	553.36.743.....	71	553.38.225.....	60
553.28.239.....	64	553.29.715.....	65	553.36.744.....	71	553.38.226.....	60
553.28.252.....	66	553.29.716.....	65	553.36.745.....	71	553.38.227.....	60
553.28.253.....	66	553.29.717.....	65	553.36.746.....	71	553.38.236.....	60
553.28.254.....	66	553.29.718.....	65	553.36.747.....	71	553.38.237.....	60
553.28.255.....	66	553.29.735.....	65	553.36.756.....	71	553.38.238.....	60
553.28.256.....	66	553.29.736.....	65	553.36.757.....	71	553.38.239.....	60
553.28.257.....	66	553.29.737.....	65	553.36.758.....	71	553.38.242.....	64
553.28.258.....	66	553.29.738.....	65	553.36.762.....	73	553.38.243.....	64
553.28.275.....	66	553.29.754.....	67	553.36.763.....	73	553.38.244.....	64
553.28.276.....	66	553.29.755.....	67	553.36.764.....	73	553.38.245.....	64
553.28.277.....	66	553.29.756.....	67	553.36.765.....	73	553.38.246.....	64
553.28.278.....	66	553.29.757.....	67	553.36.766.....	73	553.38.247.....	64
553.28.279.....	66	553.29.758.....	67	553.36.767.....	73	553.38.256.....	64
553.28.290.....	74	553.29.775.....	67	553.36.776.....	73	553.38.257.....	64
553.28.291.....	74	553.29.776.....	67	553.36.777.....	73	553.38.258.....	64
553.28.292.....	74	553.29.777.....	67	553.36.778.....	73	553.38.259.....	64
553.28.712.....	65	553.29.778.....	67	553.37.224.....	68	553.38.262.....	66
553.28.713.....	65	553.36.221.....	68	553.37.225.....	68	553.38.263.....	66
553.28.714.....	65	553.36.222.....	68	553.37.226.....	68	553.38.264.....	66
553.28.715.....	65	553.36.223.....	68	553.37.227.....	68	553.38.265.....	66
553.28.716.....	65	553.36.224.....	68	553.37.236.....	68	553.38.266.....	66
553.28.717.....	65	553.36.225.....	68	553.37.237.....	68	553.38.267.....	66
553.28.718.....	65	553.36.226.....	68	553.37.238.....	68	553.38.276.....	66
553.28.735.....	65	553.36.227.....	68	553.37.244.....	70	553.38.277.....	66
553.28.736.....	65	553.36.236.....	68	553.37.245.....	70	553.38.278.....	66
553.28.737.....	65	553.36.237.....	68	553.37.246.....	70	553.38.279.....	66
553.28.738.....	65	553.36.238.....	68	553.37.247.....	70	553.38.721.....	61
553.28.752.....	67	553.36.239.....	68	553.37.256.....	70	553.38.722.....	61
553.28.753.....	67	553.36.242.....	70	553.37.257.....	70	553.38.723.....	61
553.28.754.....	67	553.36.243.....	70	553.37.258.....	70	553.38.724.....	61
553.28.755.....	67	553.36.244.....	70	553.37.264.....	72	553.38.725.....	61
553.28.756.....	67	553.36.245.....	70	553.37.265.....	72	553.38.726.....	61
553.28.757.....	67	553.36.246.....	70	553.37.266.....	72	553.38.727.....	61
553.28.758.....	67	553.36.247.....	70	553.37.267.....	72	553.38.736.....	61
553.28.775.....	67	553.36.256.....	70	553.37.276.....	72	553.38.737.....	61
553.28.776.....	67	553.36.257.....	70	553.37.277.....	72	553.38.738.....	61
553.28.777.....	67	553.36.258.....	70	553.37.278.....	72	553.38.742.....	65
553.28.778.....	67	553.36.259.....	70	553.37.724.....	69	553.38.743.....	65
553.28.790.....	74	553.36.262.....	72	553.37.725.....	69	553.38.744.....	65
553.28.791.....	74	553.36.263.....	72	553.37.726.....	69	553.38.745.....	65
553.28.792.....	74	553.36.264.....	72	553.37.727.....	69	553.38.746.....	65
553.29.214.....	64	553.36.265.....	72	553.37.736.....	69	553.38.747.....	65
553.29.215.....	64	553.36.266.....	72	553.37.737.....	69	553.38.756.....	65
553.29.216.....	64	553.36.267.....	72	553.37.744.....	71	553.38.757.....	65
553.29.217.....	64	553.36.276.....	72	553.37.745.....	71	553.38.758.....	65
553.29.218.....	64	553.36.277.....	72	553.37.746.....	71	553.38.762.....	67
553.29.235.....	64	553.36.278.....	72	553.37.747.....	71	553.38.763.....	67
553.29.236.....	64	553.36.279.....	72	553.37.756.....	71	553.38.764.....	67
553.29.237.....	64	553.36.721.....	69	553.37.757.....	71	553.38.765.....	67
553.29.238.....	64	553.36.722.....	69	553.37.764.....	73	553.38.766.....	67
553.29.254.....	66	553.36.723.....	69	553.37.765.....	73	553.38.767.....	67
553.29.255.....	66	553.36.724.....	69	553.37.766.....	73	553.38.776.....	67
553.29.256.....	66	553.36.725.....	69	553.37.767.....	73	553.38.777.....	67

553.38.778.....	67	556.23.704.....	124	556.62.607.....	120	556.90.715.....	111
553.39.224.....	60	556.23.720.....	124	556.62.621.....	120	556.90.716.....	111
553.39.225.....	60	556.23.721.....	124	556.62.622.....	120	556.90.717.....	111
553.39.226.....	60	556.23.722.....	124	556.62.623.....	120	556.90.719.....	111
553.39.227.....	60	556.23.790.....	124	556.62.624.....	120		
553.39.236.....	60	556.36.310.....	115	556.62.625.....	120	557.	
553.39.237.....	60	556.36.390.....	115	556.62.626.....	120	557.71.044.....	126
553.39.238.....	60	556.36.391.....	115	556.62.627.....	120	557.71.047.....	126
553.39.244.....	64	556.37.517.....	114	556.63.552.....	123	557.71.049.....	126
553.39.245.....	64	556.37.527.....	114	556.63.553.....	123	557.71.050.....	126
553.39.246.....	64	556.37.537.....	114	556.63.554.....	123	557.80.042.....	116
553.39.247.....	64	556.37.547.....	114	556.63.556.....	123	557.80.052.....	116
553.39.256.....	64	556.37.617.....	114	556.63.557.....	123	557.80.072.....	116
553.39.257.....	64	556.37.627.....	114	556.63.558.....	123	557.80.082.....	116
553.39.258.....	64	556.37.637.....	114	556.63.752.....	123	557.80.092.....	116
553.39.264.....	66	556.37.647.....	114	556.63.753.....	123	557.80.102.....	116
553.39.265.....	66	556.50.557.....	123	556.63.754.....	123	557.80.112.....	116
553.39.266.....	66	556.53.050.....	118	556.63.756.....	123	557.80.122.....	116
553.39.267.....	66	556.53.060.....	118	556.63.757.....	123	557.80.302.....	117
553.39.276.....	66	556.53.080.....	118	556.63.758.....	123	557.80.332.....	117
553.39.277.....	66	556.53.090.....	118	556.65.748.....	121	557.80.352.....	117
553.39.278.....	66	556.53.250.....	118	556.65.757.....	121	557.80.372.....	117
553.39.724.....	61	556.53.260.....	118	556.65.766.....	121	557.80.382.....	117
553.39.725.....	61	556.53.280.....	118	556.68.782.....	121	557.80.392.....	117
553.39.726.....	61	556.53.290.....	118	556.79.706.....	123	557.80.412.....	117
553.39.727.....	61	556.53.310.....	119	556.81.332.....	112	557.80.422.....	117
553.39.736.....	61	556.53.311.....	119	556.81.502.....	112	557.80.572.....	117
553.39.737.....	61	556.53.312.....	119	556.81.772.....	112	557.80.582.....	117
553.39.738.....	61	556.53.319.....	119	556.89.780.....	121	557.80.592.....	117
553.39.744.....	65	556.53.530.....	118	556.89.781.....	121	557.80.602.....	117
553.39.745.....	65	556.53.540.....	118	556.90.091.....	110	557.80.612.....	117
553.39.746.....	65	556.53.545.....	118	556.90.091.....	111	557.80.622.....	117
553.39.747.....	65	556.53.550.....	118	556.90.211.....	111	557.80.993.....	117
553.39.756.....	65	556.53.560.....	118	556.90.212.....	111	557.80.994.....	117
553.39.757.....	65	556.53.580.....	118	556.90.213.....	111	557.99.101.....	84
553.39.758.....	65	556.53.590.....	118	556.90.214.....	111	557.99.145.....	84
553.39.764.....	67	556.53.600.....	118	556.90.215.....	111	557.99.196.....	84
553.39.765.....	67	556.53.730.....	118	556.90.216.....	111	557.99.231.....	100
553.39.766.....	67	556.53.740.....	118	556.90.217.....	111	557.99.240.....	100
553.39.767.....	67	556.53.745.....	118	556.90.219.....	111	557.99.731.....	100
553.39.776.....	67	556.53.750.....	118	556.90.311.....	111	557.99.740.....	100
553.39.777.....	67	556.53.760.....	118	556.90.312.....	111	557.99.761.....	100
553.39.778.....	67	556.53.780.....	118	556.90.313.....	111	557.99.812.....	101
		556.53.790.....	118	556.90.314.....	111	557.99.813.....	101
554.		556.53.800.....	118	556.90.315.....	111	557.99.815.....	101
554.98.042.....	116	556.54.319.....	122	556.90.316.....	111	557.99.816.....	101
554.98.052.....	116	556.54.540.....	122	556.90.317.....	111	557.99.822.....	101
554.98.072.....	116	556.54.545.....	122	556.90.319.....	111	557.99.823.....	101
554.98.082.....	116	556.54.550.....	122	556.90.391.....	110	557.99.825.....	101
554.98.092.....	116	556.54.560.....	122	556.90.391.....	111	557.99.826.....	101
554.98.102.....	116	556.60.752.....	120	556.90.581.....	110	557.99.832.....	101
554.98.112.....	116	556.60.761.....	120	556.90.581.....	111	557.99.833.....	101
554.98.122.....	116	556.60.770.....	120	556.90.582.....	110	557.99.835.....	101
		556.60.789.....	120	556.90.582.....	111	557.99.836.....	101
556.		556.62.601.....	120	556.90.691.....	110	557.99.842.....	101
556.23.320.....	124	556.62.602.....	120	556.90.691.....	111	557.99.843.....	101
556.23.321.....	124	556.62.603.....	120	556.90.711.....	111	557.99.845.....	101
556.23.322.....	124	556.62.604.....	120	556.90.712.....	111	557.99.846.....	101
556.23.604.....	124	556.62.605.....	120	556.90.713.....	111	557.99.910.....	100
556.23.693.....	124	556.62.606.....	120	556.90.714.....	111	557.99.911.....	100

557.99.920.....	100	558.07.702.....	92	559.85.719.....	96
557.99.940.....	100	558.07.703.....	92	559.85.901.....	97
557.99.941.....	100	558.07.830.....	92	559.85.902.....	97
557.99.951.....	100	558.07.835.....	92	559.85.903.....	97
		558.07.840.....	92	559.85.904.....	97
558.		558.07.845.....	92	559.85.905.....	97
558.00.000.....	101	558.07.850.....	92	559.85.906.....	97
558.00.407.....	98	558.07.855.....	92	559.85.907.....	97
558.00.409.....	98	558.07.860.....	92	559.85.908.....	97
558.00.413.....	98	558.12.809.....	127	559.85.909.....	97
558.00.419.....	98	558.12.818.....	127	559.85.911.....	96
558.00.423.....	98	558.12.836.....	127	559.85.912.....	96
558.00.613.....	98	558.15.293.....	93	559.85.913.....	96
558.00.614.....	98	558.15.793.....	93	559.85.914.....	96
558.00.623.....	98	558.17.706.....	93	559.85.915.....	96
558.00.624.....	98	558.17.724.....	93	559.85.916.....	96
558.01.502.....	125	558.18.071.....	138	559.85.917.....	96
558.01.698.....	95	558.18.072.....	138	559.85.918.....	96
558.01.998.....	95	558.18.074.....	138	559.85.919.....	96
558.02.500.....	94	558.18.080.....	138	559.85.990.....	96
558.02.510.....	94	558.18.131.....	139	559.85.990.....	97
558.02.511.....	94	558.18.133.....	139	559.85.991.....	96
558.02.530.....	94	558.18.231.....	135	559.85.991.....	97
558.02.531.....	94	558.18.236.....	135		
558.02.830.....	94	558.18.243.....	135	891.	
558.02.835.....	94	558.20.795.....	101	891.21.111.....	122
558.02.840.....	94	558.25.230.....	92	891.21.139.....	122
558.02.845.....	94	558.25.726.....	92	891.21.193.....	122
558.02.850.....	94	558.25.735.....	92		
558.02.855.....	94	558.25.780.....	92		
558.02.860.....	94	558.25.900.....	93		
558.02.930.....	94	558.25.950.....	93		
558.02.935.....	94	558.34.406.....	98		
558.02.940.....	94	558.34.408.....	98		
558.02.945.....	94	558.34.412.....	98		
558.02.950.....	94	558.34.418.....	98		
558.02.955.....	94	558.34.422.....	98		
558.02.960.....	94	558.34.612.....	98		
558.02.965.....	94	558.34.613.....	98		
558.04.406.....	98	558.34.622.....	98		
558.04.408.....	98	558.34.623.....	98		
558.04.412.....	98				
558.04.418.....	98	559.			
558.04.422.....	98	559.85.701.....	97		
558.04.612.....	98	559.85.702.....	97		
558.04.613.....	98	559.85.703.....	97		
558.04.622.....	98	559.85.704.....	97		
558.04.623.....	98	559.85.705.....	97		
558.05.191.....	95	559.85.706.....	97		
558.05.390.....	95	559.85.707.....	97		
558.07.202.....	92	559.85.708.....	97		
558.07.203.....	92	559.85.709.....	97		
558.07.330.....	92	559.85.711.....	96		
558.07.335.....	92	559.85.712.....	96		
558.07.340.....	92	559.85.713.....	96		
558.07.345.....	92	559.85.714.....	96		
558.07.350.....	92	559.85.715.....	96		
558.07.355.....	92	559.85.716.....	96		
558.07.360.....	92	559.85.717.....	96		
558.07.365.....	92	559.85.718.....	96		



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