

HÄFELE



INSPIRATION
IN THE RIGHT ANGLE.

G*GRASS®

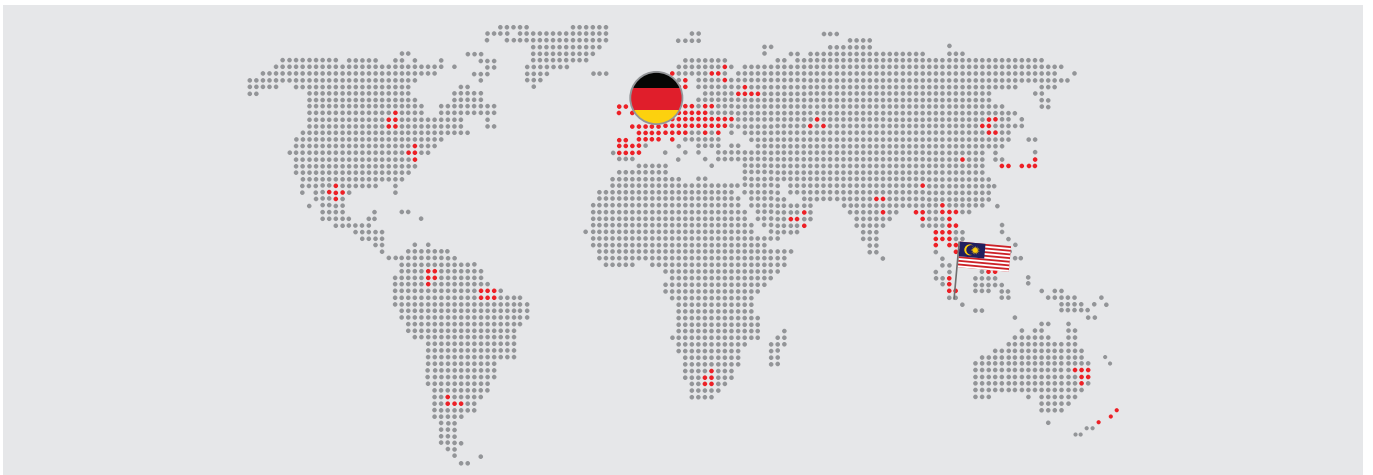
HÄFELE - WHERE TRUST WAS BUILT FROM COMPETENCE



Founded in Germany in 1923, Häfele is a world-renowned provider of smart home and project solutions. Häfele's superior range of products not only exemplifies German quality standards, but is developed with the philosophy of "functionality" and "easiness" in mind to offer reliable solutions for both professionals and consumers.

Since the establishment in Malaysia in 1993, Häfele has been continuously improving and expanding its products and services, making the key components of Malaysian homes - door security as well as kitchen, wardrobe and the home appliances to a much more efficient spaces.

With innovative solutions, adherence to high standards and a dedicated team, Häfele Malaysia looks to create more modern and optimal living spaces for Malaysians in the future.



WARRANTY OVERVIEW

TESTED QUALITY & CAREFREE WARRANTY

Häfele's products are developed and made with one of the world-leading furniture fitting technologies that has spanned nearly 95 years. Moreover, they are frequently tested in accordance with Häfele's strict quality standards as well as those of many prestigious organization around the world.



DRAWER





NOVA PRO SCALA

The art of developing a new drawer side is not to create an eye-catching design object in its own right, but to aim for a timeless, neutral style which blends in harmoniously with ultramodern, puristic furniture as well as with the more traditional designs. Which is equally at home in the kitchen, bathroom or living room.



NOVA PRO SCALA DRAWER

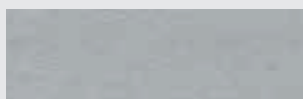


H186 pull out for door front fixing and H90 drawer in silver

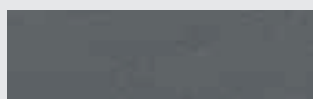


H186 pull out for door front fixing and
Crystal Plus internal pull out in Ice

2 drawer side colours are available



Silver



Stone

- > Modern and timeless design
- > Robust drawer sides in matt trend colours with customization option
- > Runners with low pull-out forces, excellent running characteristics and harmonised closing sequences
- > Easy mounting thanks to low part diversity and quick fixing systems
- > Convenient adjustment facilities
- > High stability for front height up to 780 mm (H185, Crystal Plus)
- > Material: Steel
- > Finish: Cabinet rail: Galvanized/ drawer: In 2 colours
- > Type of pull out: Nova Pro full extension with load bearing capacity 40/70 kg and integrated Soft-close mechanism. Can be combined with the Tipmatic Soft-close opening system (mechanical), for opening front panels without handle and dampened closing.

Product highlights



Straight drawer sides with storage space advantages

Good storage space utilisation thanks to low construction width and slim drawer sides with 90° straight interior sides.



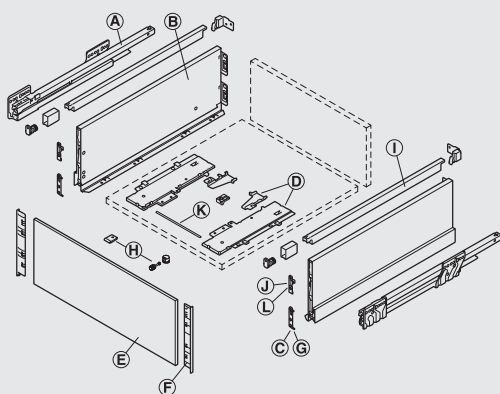
Crystal Plus Frame pull out

Pull out for large insert elements from any materials of 8 mm thickness, which can be easily mounted thanks to clip-on system.



Individualisation possibilities

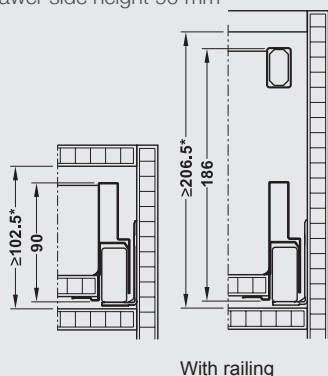
The gradation on the drawer side can be used internally for the placement of design strips that will lend the furniture a bespoke character.



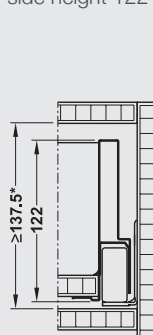
- (A) Nova Pro Soft-close cabinet rail
- (B) Nova Pro Scala drawer sides
- (C) Hooks for wooden fronts, for screw fixing
- (D) Tipmatic Soft-close opening system
- (E) Internal panel for internal drawer
- (F) Cover cap for F8 internal panel
- (G) Hooks for F8 internal panel
- (H) Front-base connector for F8 internal panel/for wooden shelf
- (I) Rectangular gallery rail
- (J) Front bracket for wooden fronts, for screw fixing
- (K) Synchronisation rod
- (L) Front bracket for F8 internal panel

Drawer side design

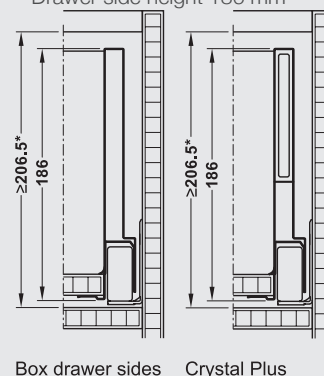
Drawer side height 90 mm



Drawer side height 122 mm



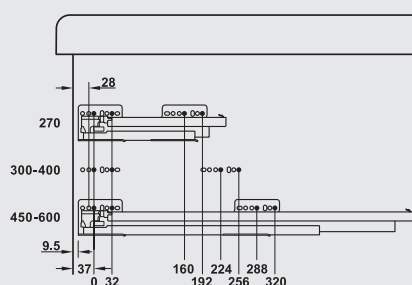
Drawer side height 186 mm



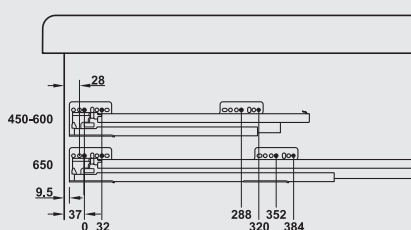
Box drawer sides Crystal Plus

* Plus 9 mm when used with Tipmatic Soft-close opening system

Drilling pattern for cabinet



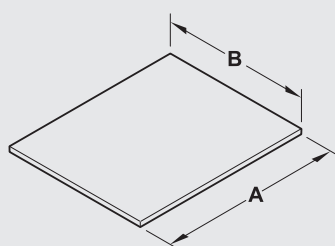
Internal drawer/internal pull out, load bearing capacity 40 kg
Minimum installation depth = nominal length + 12 mm
Drawer and pull out: 3rd screw hole
Internal drawer and pull out:
With ≤19 mm wooden panel: 1st screw hole
With aluminium panel: 2nd screw hole



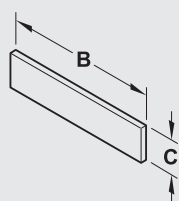
Internal drawer/internal pull out, load bearing capacity 70 kg
Minimum installation depth = nominal length + 12 mm
Drawer and pull out: 3rd screw hole
Internal drawer and pull out:
With ≤19 mm wooden panel: 1st screw hole
With aluminium panel: 2nd screw hole

Cutting dimensions for panels

Base panel



Rear panel



Key

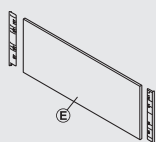
A = nominal length - 19 mm

B = internal cabinet width - 58 mm

C = see table

Drawer side height	Rear panel height C
63 mm	57 mm
90 mm	84 mm
122 mm	116 mm
186 mm	185 mm
90 mm with rectangular gallery rail	185 mm
Crystal Plus	185 mm

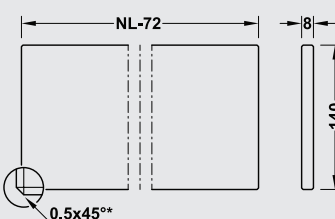
Cutting dimensions for internal panel



Ⓔ

Internal panel:
internal cabinet width - 8 mm

Cut for Crystal Plus insert element



* Glass insert element

Internal cabinet depth



Min. internal cabinet depth

Drawer/pull out for door front fixing = nominal length NL + 3 mm

Internal drawer/internal pull out = nominal length NL + 12 mm

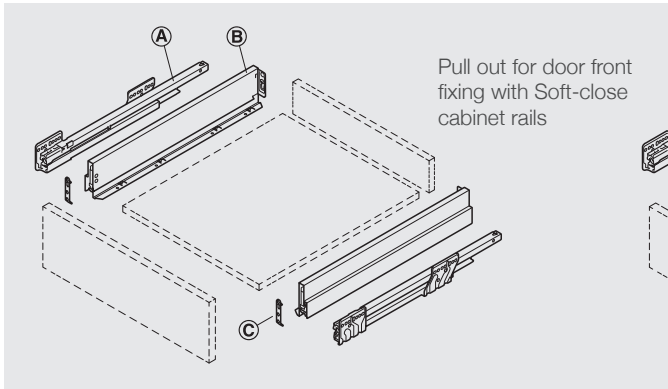


NOVA PRO SCALA
H90MM DRAWER SET

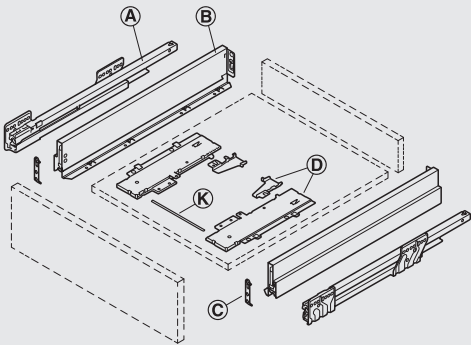


- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Drawer front can be fitted and removed without tools
- > Width of bottom and back panel is the same
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > High gloss hygienic finish sides due to paint and lacquer

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg

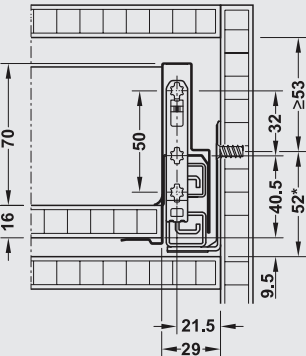


Pull out for door front fixing with Soft-close cabinet rails

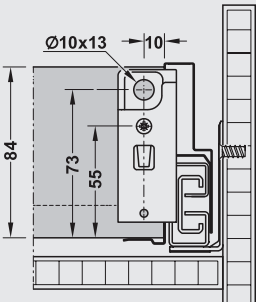


Pull out for door front fixing with Soft-close cabinet rails and Tipmatic Soft-close opening system (D) and synchronisation rod (K) Refer Tipmatic Soft-close on Page 15

Internal installation height



Rear panel installation dimensions



* Min. dim. 49.5 mm, with Tipmatic Soft-close 58 mm

Installation dimensions

Min. internal installation depth = nominal length + 3 mm



Scan for installation guide



G1

GRASS NOVA PRO SCALA H90 drawer set (G1)				
Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500mm	40 kg	551.94.505	306.00
		70 kg	551.94.515	404.00
Silver	500mm	40 kg	551.94.905	306.00
		70 kg	551.94.915	404.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H90 drawer sides and 2 pieces screw fixing installation hooks
Packing: 1 set

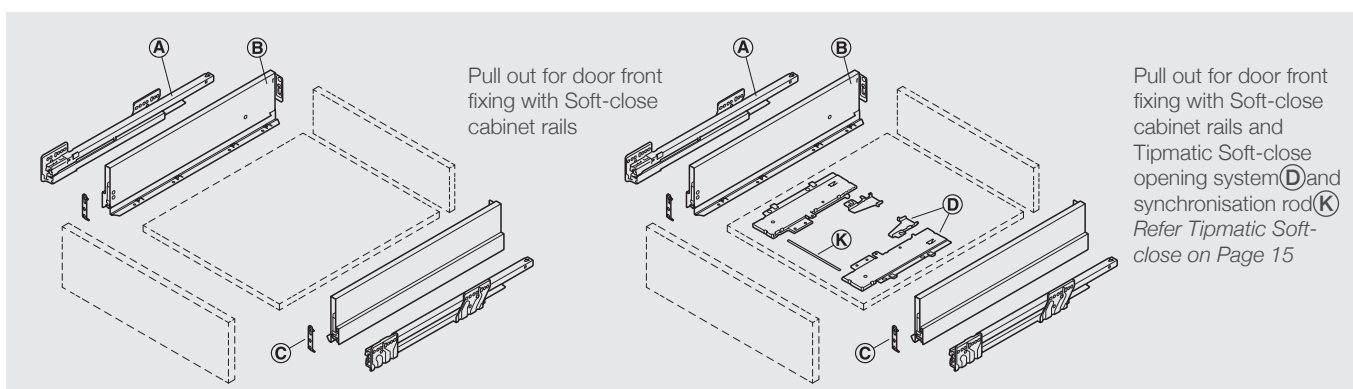
Stock Item Freight Item

NOVA PRO SCALA H122MM DRAWER SET

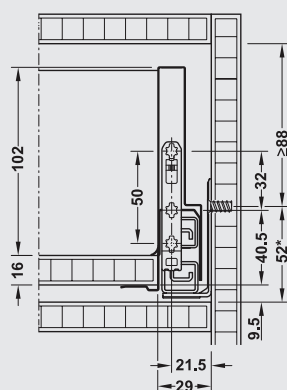


- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Drawer front can be fitted and removed without tools
- > Width of bottom and back panel is the same
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > High gloss hygienic finish sides due to paint and lacquer

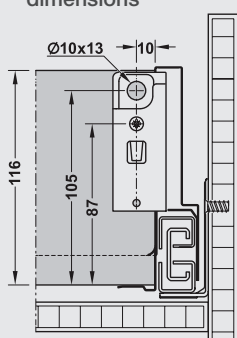
We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Internal installation height



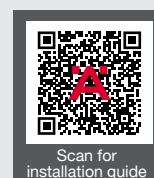
Rear panel installation dimensions



* Min. dim. 49.5 mm, with Tipmatic Soft-close 58 mm

Installation dimensions

Min. internal installation depth = nominal length + 3 mm



Scan for
installation guide

G2



GRASS NOVA PRO SCALA H122 drawer set (G2)

Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500 mm	40 kg	551.95.505	340.00
		70 kg	551.95.515	542.00
Silver	500 mm	40 kg	551.95.905	340.00
		70 kg	551.95.915	542.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H122 drawer sides and 2 pieces screw fixing installation hooks
Packing: 1 set

Stock Item

Freight Item



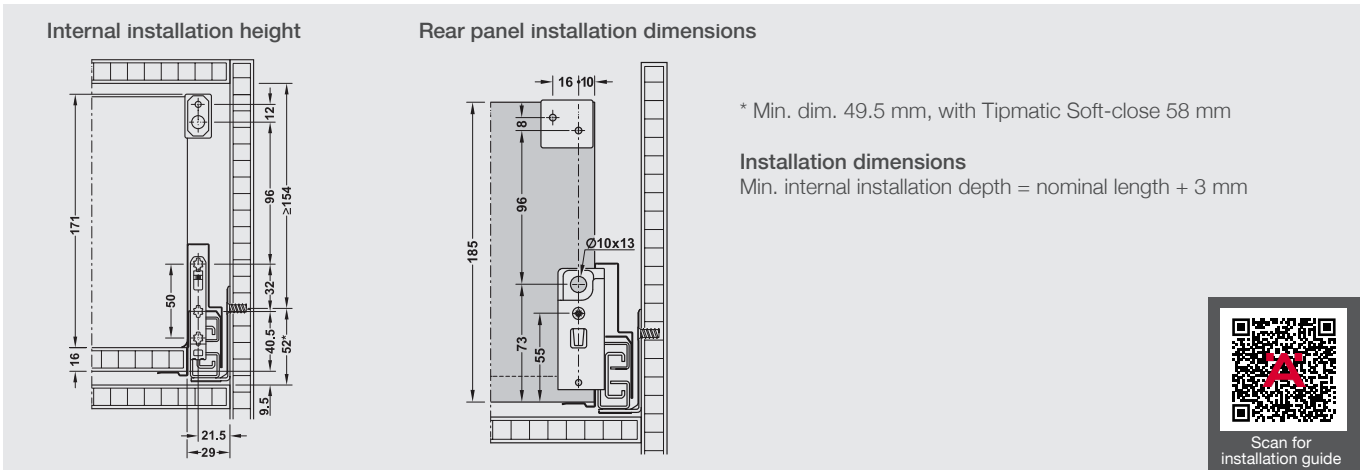
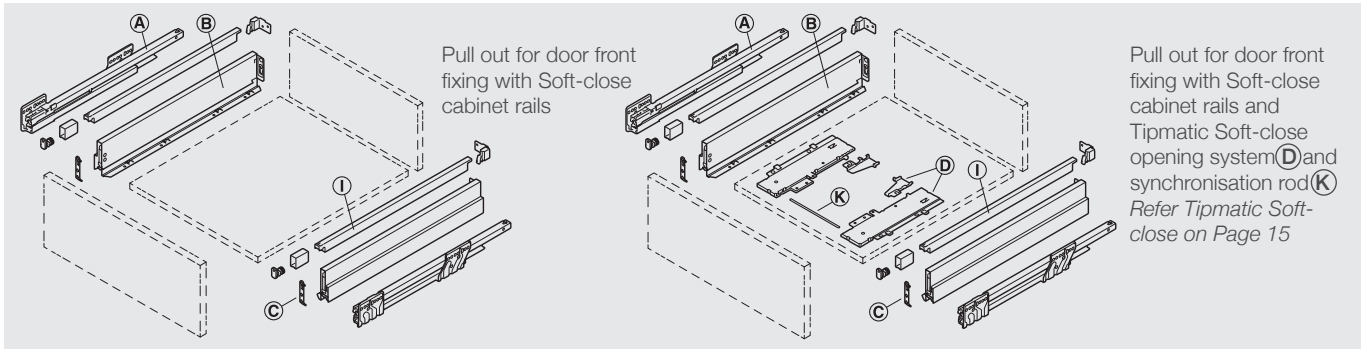
NOVA PRO SCALA

H90MM DRAWER SET WITH RECTANGULAR RAILING SET









- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Drawer front can be fitted and removed without tools
- > Width of bottom and back panel is the same
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > High gloss hygienic finish sides due to paint and lacquer

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Stock Item Freight Item

GRASS NOVA PRO SCALA H90 drawer set with rectangular railing (G3)					
Finish	Length	Load	Cat. No.		Price* (MYR)
Stone	500 mm	40 kg	551.94.525		380.00
		70 kg	551.94.535		479.00
Silver	500 mm	40 kg	551.94.925		380.00
		70 kg	551.94.935		479.00
Optional: Rectangular railing set					
Stone	500 mm		551.88.505		74.00
Silver			551.88.905		74.00

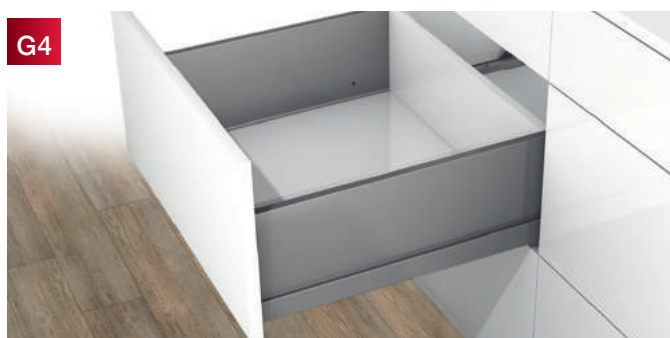
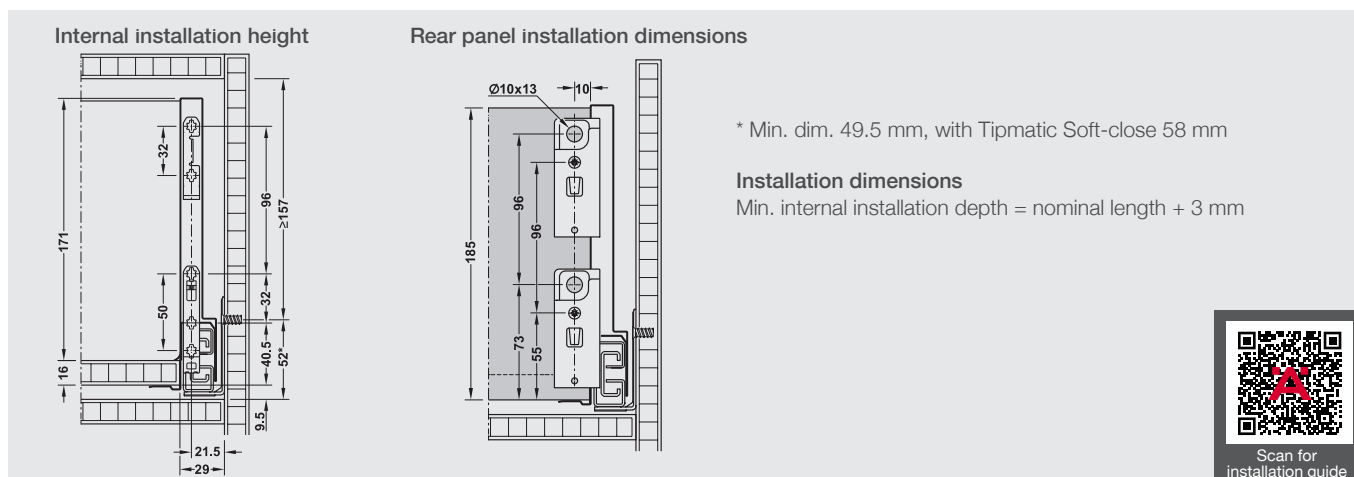
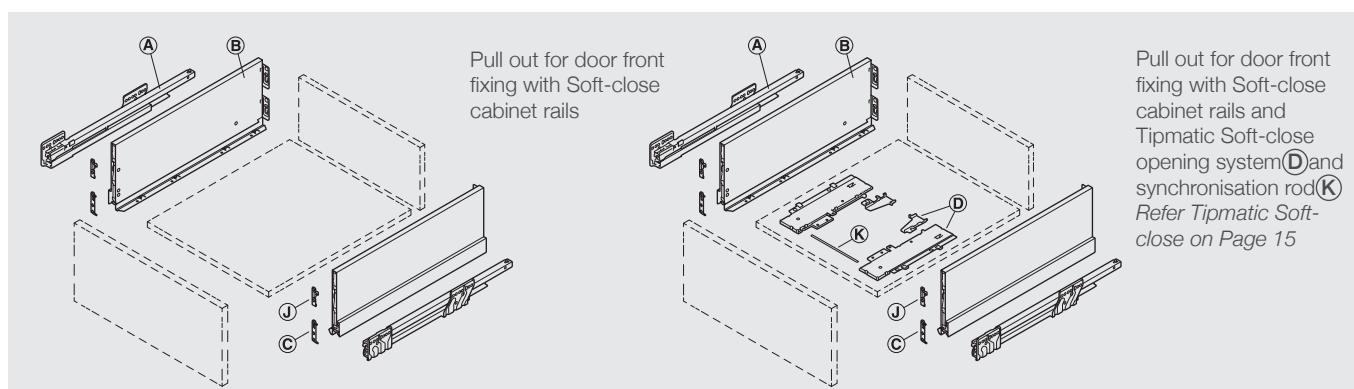
Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H90 drawer sides, 1 pair rectangular railing and 2 pieces screw fixing installation hooks
Packing: 1 set

NOVA PRO SCALA H186MM DRAWER SET



- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Drawer front can be fitted and removed without tools
- > Width of bottom and back panel is the same
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > High gloss hygienic finish sides due to paint and lacquer

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



G4

GRASS NOVA PRO SCALA H186 drawer set (G4)					
Finish	Length	Load	Cat. No.		Price* (MYR)
Stone	500mm	40 kg	551.96.505		523.00
		70 kg	551.96.515		618.00
Silver	500mm	40 kg	551.96.905		523.00
		70 kg	551.96.915		618.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H186 drawer sides and 2 pieces screw fixing installation hooks and 2pcs screw fixing front hooks
Packing: 1 set



Stock Item



Freight Item

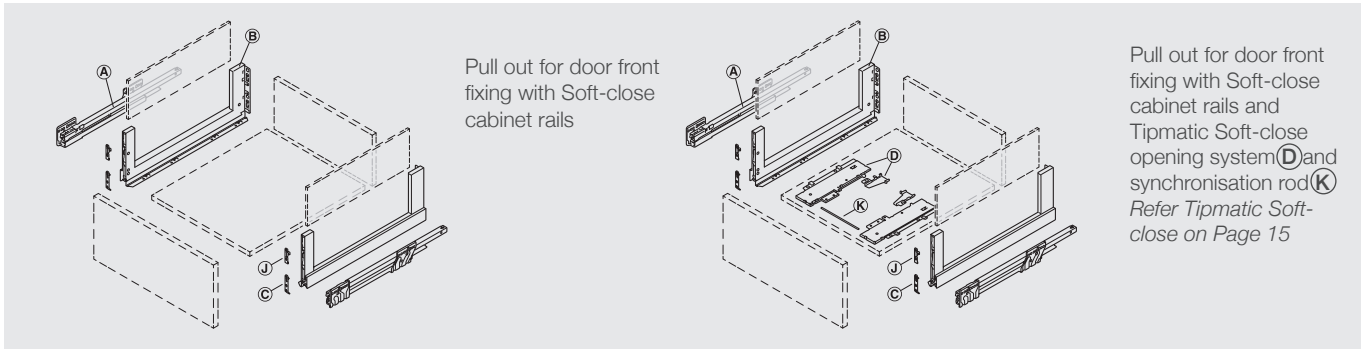


NOVA PRO SCALA
CRYSTAL PLUS H186MM DRAWER SET



- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Drawer front can be fitted and removed without tools
- > Width of bottom and back panel is the same
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > High gloss hygienic finish sides due to paint and lacquer

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Internal installation height

Rear panel installation dimensions

* Min. dim. 49.5 mm, with Tipmatic Soft-close 58 mm

Installation dimensions

Min. internal installation depth = nominal length + 3 mm

Scan for installation guide



GRASS NOVA PRO SCALA CRYSTAL PLUS H186 drawer set (G5)				
Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500 mm	40 kg	551.98.505	455.00
		70 kg	551.98.515	552.00
Silver	500 mm	40 kg	551.98.905	455.00
		70 kg	551.98.915	552.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1pair Crystal Plus drawer sides with pre-mounted rear panel and 2 pieces screw fixing installation hooks

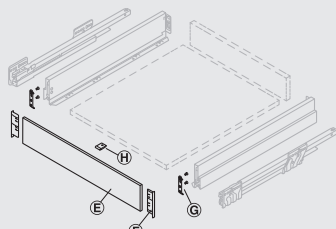
* Note: Glass sides are not included

Packing: 1 set

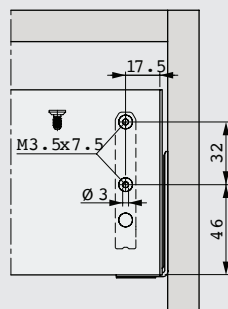
NOVA PRO SCALA H90MM INNER DRAWER SET



Installation dimensions
Min. internal installation depth
= nominal length + 12 mm



Front panel installation

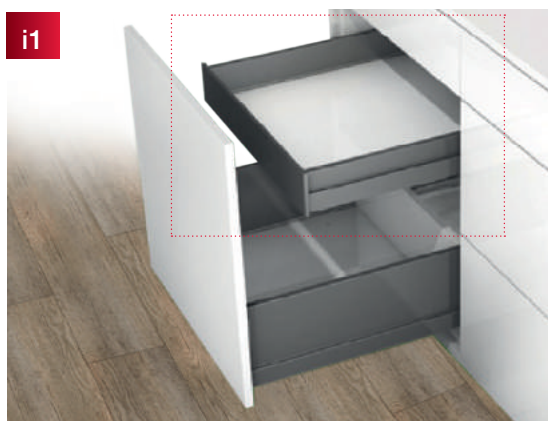


We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Scan for installation guide

i1



GRASS NOVA PRO SCALA H90 Inner drawer set with rectangular railing (i1)

Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500 mm	40 kg	551.94.565	587.00
		70 kg	551.94.575	686.00
Silver	500 mm	40 kg	551.94.965	587.00
		70 kg	551.94.975	686.00

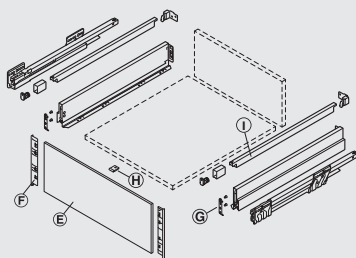
Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H90 drawer sides, 2 pieces screw fixing installation hooks, 1 piece Internal panel H95mm x L1160mm x Thick 8mm, 2 pieces cover cap, 2 pieces front bottom connector

Note: Please order spacer bar separately if with hinged door. See page 14
Packing: 1 set

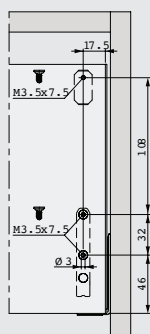
NOVA PRO SCALA H90MM INNER DRAWER SET WITH RECTANGULAR RAILING



Installation dimensions
Min. internal installation depth
= nominal length + 12 mm



Front panel installation

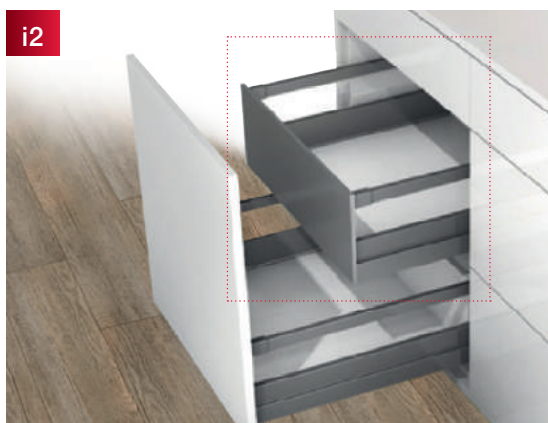


We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Scan for installation guide

i2



GRASS NOVA PRO SCALA H90 Inner drawer set with rectangular railing (i2)

Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500 mm	40 kg	551.94.585	647.00
		70 kg	551.94.595	875.00
Silver	500 mm	40 kg	551.94.985	647.00
		70 kg	551.94.995	875.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H90 drawer sides, 1pair rectangular railing set, 2 pieces screw fixing installation hooks, 1 piece Internal panel H186mm x L1160 x Thick 8mm, 2 pieces cover cap, 2 pieces front bottom connector and 2 pieces screw fixing railing bracket

Note: Please order spacer bar separately if with hinged door. See page 14
Packing: 1 set

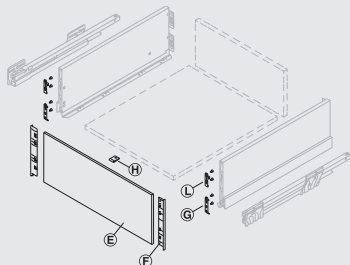


NOVA PRO SCALA H186MM INNER DRAWER SET

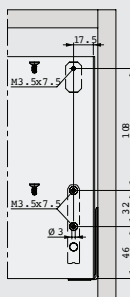


Installation dimensions

Min. internal installation depth
= nominal length + 12 mm



Front panel installation

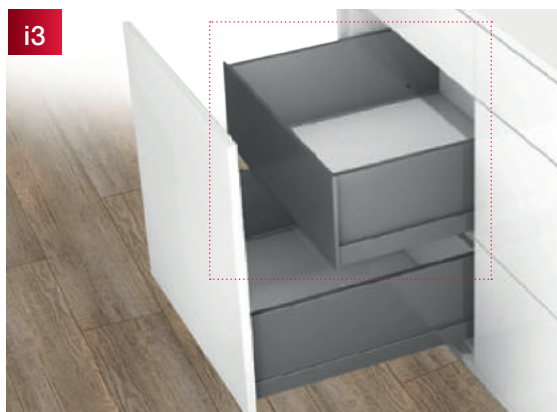


We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



Scan for installation guide

i3



GRASS NOVA PRO SCALA H186 Inner drawer set (i3)

Finish	Length	Load	Cat. No.	Price* (MYR)
Stone	500 mmw	40 kg	551.96.565	810.00
		70 kg	551.96.575	1,070.00
Silver	500 mm	40 kg	551.96.985	810.00
		70 kg	551.96.995	1,070.00

Set includes 1 pair full extension drawer slides, 40kg or 70kg, 1 pair H186 drawer sides, 2 pieces screw fixing installation hooks, 2 pieces screw fixing front hooks, 1 piece Internal panel H186mm x L1160mm x Thick 8mm, 2 pieces cover cap, and 2 pieces front bottom connector

Note: Please order spacer bar separately if with hinged door. See page 22

Packing: 1 set

Spacer - For internal drawer/ Internal pull out

- > To compensate for door offset
- > Mounting: Left or right
- > Dim. (W x D x H): 25 x 485 x 50mm
- > Colour: Chrome plated

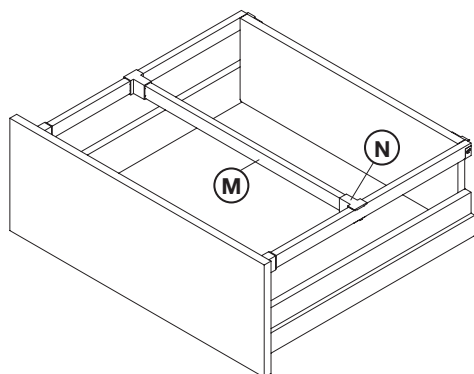


Cat. No.	Price* (MYR)
540.24.922	167.00

Packing: 1 piece



NOVA PRO SCALA CROSS DIVIDER



> 1150 mm for cutting to length (inside cabinet width - 102 mm)

(M) Grass Nova Pro Scala divider rail

Colour finish	Cat. No.	Price* (MYR)
Stone	551.89.569	91.00
Silver	551.89.969	91.00

- > For use with rectangular divider rail
- > Order qty: 1 pc (2 pcs required per divider rail)

(N) Grass Nova Pro Scala divider rail clip, for rectangular rail

Colour finish	Cat. No.	Price* (MYR)
Stone	551.89.599	11.00
Silver	551.89.999	11.00

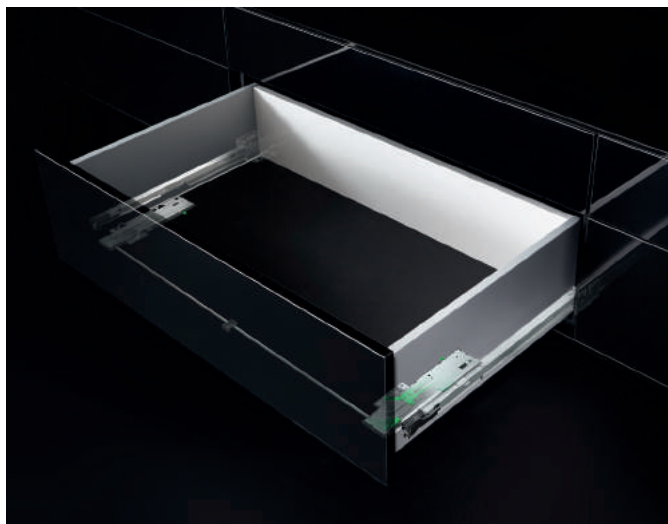


Stock Item

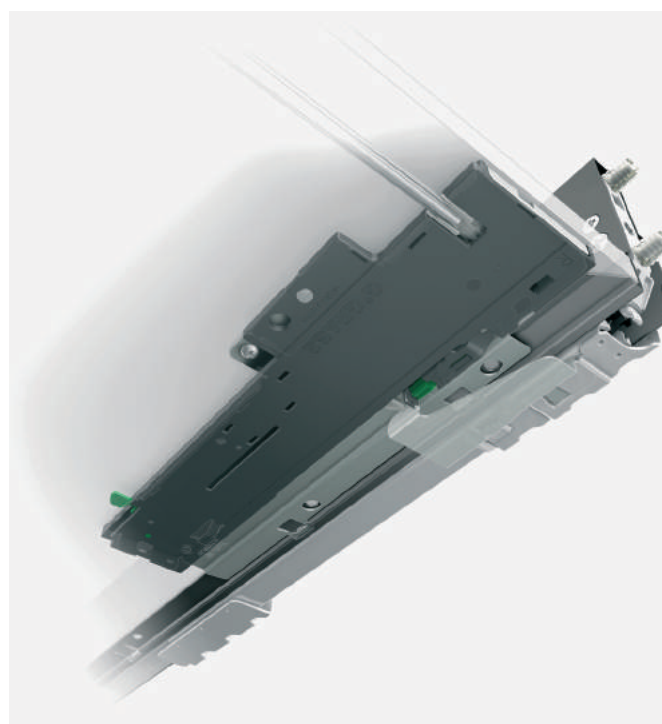
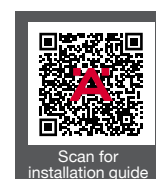


Freight Item


TIPMATIC SOFT CLOSE FOR NOVA PRO SCALA



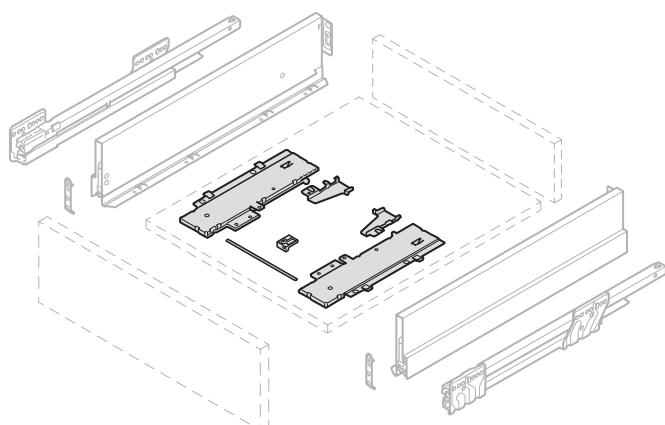
- > Touch to open and gentle closing perfectly combined
- > Large release area provided by synchronisation rod
- > Opening and closing function combined in one unit
- > Same unit for all nominal lengths and weight classes thanks to 3-way adjustment of the ejection force
- > Depth adjustment: -1/+3mm
- > The eject unit is attached to the drawer sides without tools and secured with screw
- > Minimum front gap: 2.5mm



Tipmatic Soft-close opening system

Description	Cat. No.	Price* (MYR)
Tipmatic Soft close complete set	551.91.181 	245.00

Set includes 1 set Tipmatic soft close eject unit and 2 pieces followers (D),
1 piece 962mm synchronisation rod (K) and 2 pieces support for synchronisation
rod
Packing: 1 set





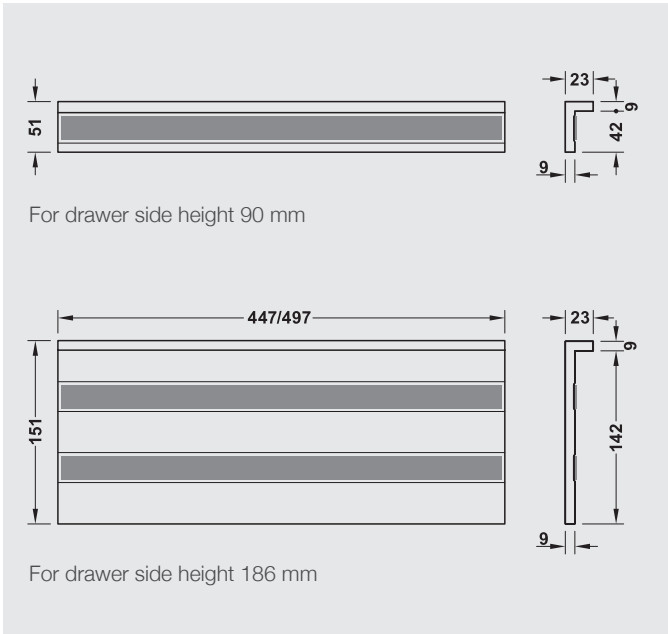
DESIGNER STRIP
FOR NOVA PRO SCALA



Designer strip, black, open-pored, drawer side height 90mm



Designer strip, white, open-pored, drawer side height 186 mm



Designer strip for nominal length 500 mm	Cat. No.	Price* (MYR)
For drawer side height 90 mm	551.92.*15	126.00
For drawer side height 186 mm	551.92.*35	161.00

Packing: 1 piece
Order reference
2 designer strips must be ordered for one drawer.
When ordering, replace the * with the colour number of your choice.

7 White open-pored	3 Black open-pored	4 Oak bleached	6 White (can be lacquered)
5 Stone open-pored	0 Titanium (champagne)	2 Nordic oak	8 Knotty oak



G*GRASS®

VIONARO

A VISIONARY MOVEMENT

Beauty, attention to detail, precision movement, and perfect industrial production – hardly any other system combines the rational and emotional aspects as harmoniously as the new GRASS drawer system.

Vionaro is a combination of functional technology with a perfect form.



reddot award 2014
winner



H249 pull out for door front fixing/
H121 and H89 drawer silver grey

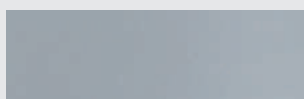


H185 pull out for door
front fixing/ H89 internal
drawer silver grey

2 drawer side colours are available



Graphite



Silver grey

- > Slimline steel or aluminium drawer sides
- > Based on the Grass Dynapro concealed runners
- > Good storage space utilisation thanks to low installation width and 90° straight interior sides
- > Stylish internal panels made from aluminium
- > High stability for front height up to 780 mm (H185, H249)
- > Easy mounting thanks to low part diversity and quick fixing systems
- > Convenient 3D adjustment integrated in drawer sides
- > Material: Steel or aluminium
- > Finish: Cabinet rail: Galvanized, drawer sides: In 2 colours
- > Type of pull out: Dynapro full extension with load bearing capacity 40/70 kg and integrated Soft-close soft closing mechanism. Can be combined with the Tipmatic Soft-close opening system, for opening front panels without handle and dampened closing.

Product highlights



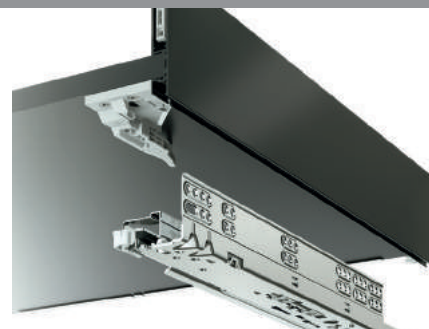
Modern design

13 mm thin and yet robust and torsion-free drawer sides with smooth side surfaces and minimal edge radii.



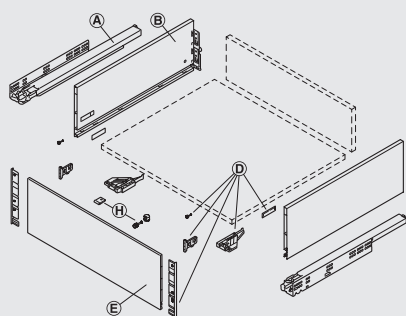
Time-saving processing and adjustment

No processing of the base panel is required for the drawer installation. Countless features such as pre-mounted rear panel adapter, base claws and integrated 3D adjustment of processing simplify everything further.



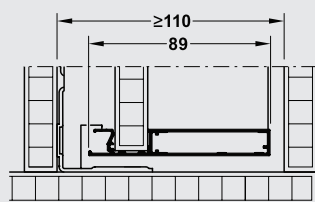
Grass Dynapro concealed runners

Vionaro relies on the proven Dynapro concealed runners, which are characterised by the particularly low required manual force when opening, gentle floating and noiseless braking.

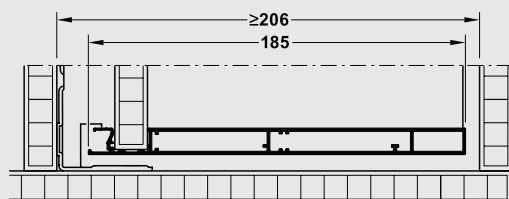


- (A) Dynapro cabinet rail
- (B) Vionaro drawer sides
- (D) Accessories (snap-in couplings, front fixing brackets, front stabiliser, cover caps for drawer sides, cover caps for F8 internal panel)
- (E) FS internal panel
- (H) Front-base connector for F8 internal panel/ for wooden shelf

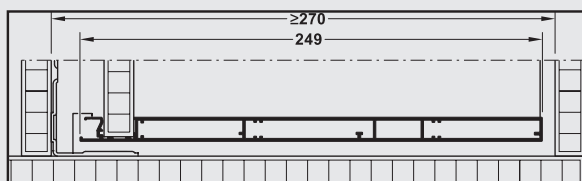
Drawer side design



Drawer side height 89 mm

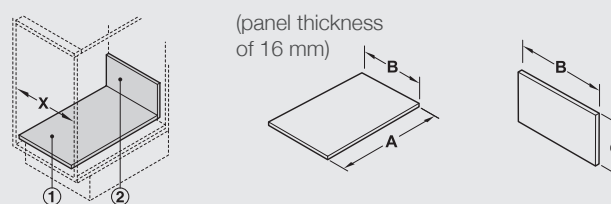


Drawer side height 185 mm



Drawer side height 249 mm

Cutting dimensions for panels



① Drawer base panel:

A = Y - 11 mm

B = X - 21 mm

② Rear panel:

B = X - 42 mm

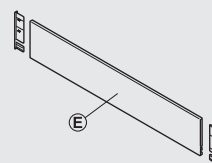
C = see table below

Key

A=length, B=width, C= height, X= internal cabinet width,
Y=nominal length

Drawer side height	Rear panel height C
63 mm	33 mm
89 mm	59 mm
121 mm	91 mm
185 mm	155 mm
249 mm	219 mm

Cutting dimensions for internal panel



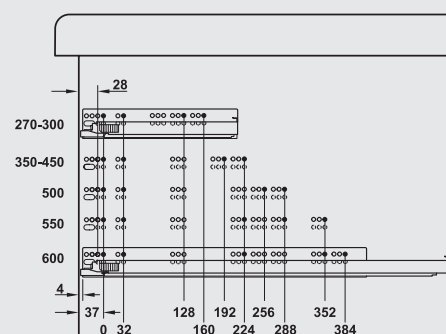
Ⓔ

Panel for internal drawer:

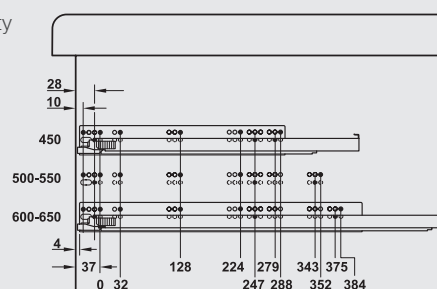
Internal cabinet width -- 8 mm

Drilling pattern for cabinet

Drilling pattern for drawer

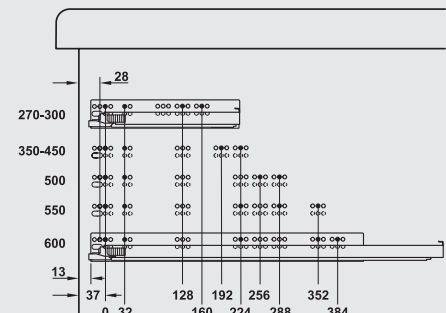


Load bearing capacity
40 kg
Minimum installation
depth = nominal
length + 3 mm

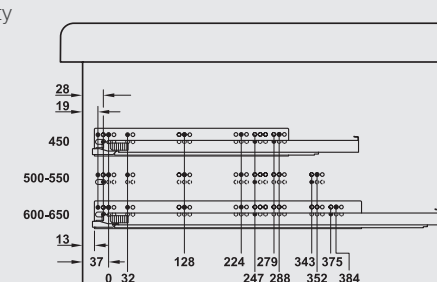


Load bearing capacity
70 kg
Minimum installation
depth = nominal length
+ 3 mm

Drilling pattern for internal drawer



Load bearing capacity
40 kg
Minimum installation
depth = nominal
length + 12 mm



Load bearing capacity
70 kg
Minimum installation
depth = nominal length
+ 12 mm

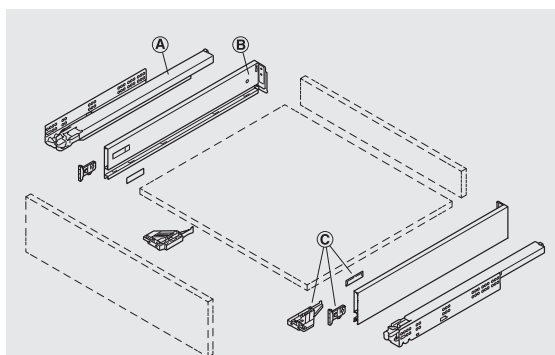


VIONARO H89MM DRAWER SET



- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > Bottom panel machining not required

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg

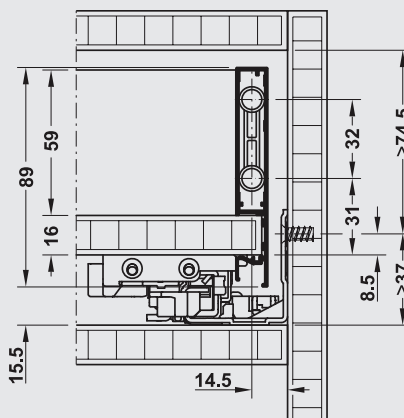


- (A) Full extension Dynapro slides
- (B) Drawer sides H89mm
- (C) Fixing set - 1pair front fixing brackets, 2pcs cover caps (insides), 2pcs cover caps with GRASS logo (outside) and 1pair snap-in couplings

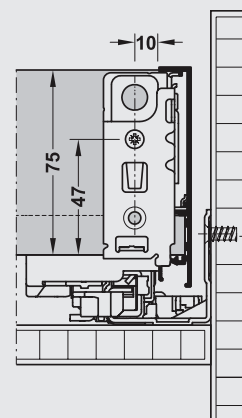


Turn your soft close drawer into Push to open handleless drawer with Tipmatic soft close unit. Refer Tipmatic soft close unit on page 25

Internal installation height



Rear panel drilling dimensions



V1



GRASS VIONARO H89 drawer set

Finish	Length	Load	Cat. No.		Price* (MYR)
Graphite	500 mm	40 kg	550.45.305		366.00
		70 kg	550.45.395		413.00
Silver grey	500 mm	40 kg	550.45.545		327.00
		70 kg	550.45.595		369.00

Set includes 1 pair full extension Dynapro slides, 40kg or 70kg, 1 pair H89 drawer sides and 1 set fixing set
Packing: 1 set



Scan for
installation guide
& product video



Stock Item

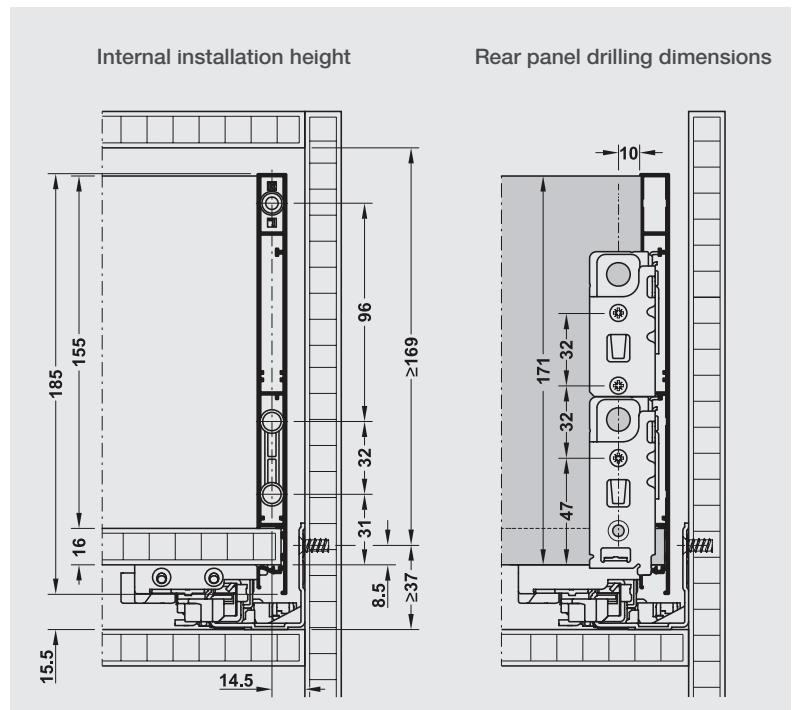
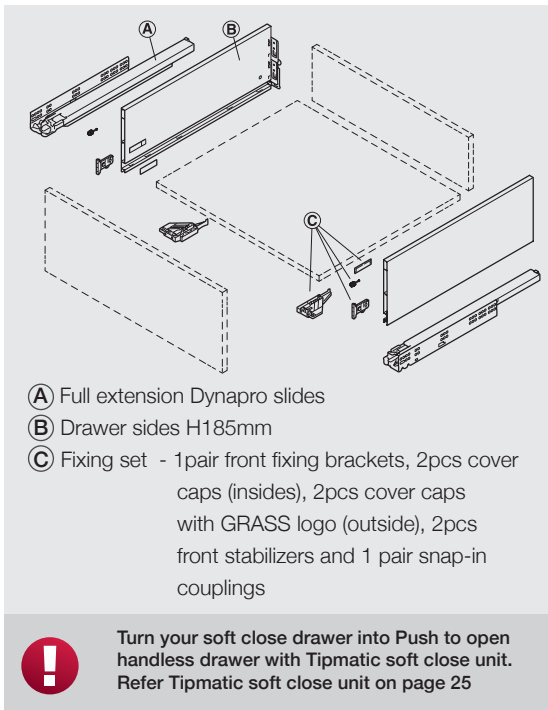


Freight Item



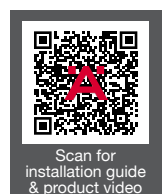
- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > Bottom panel machining not required

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



GRASS VIONARO H185 drawer set					
Finish	Length	Load	Cat. No.		Price* (MYR)
Graphite	500 mm	40 kg	550.48.305		474.00
		70 kg	550.48.395		521.00
Silver grey	500 mm	40 kg	550.48.545		424.00
		70 kg	550.48.595		466.00

Set includes 1 pair full extension Dynapro slides, 40kg or 70kg, 1 pair H185 drawer sides and 1set fixing set
Packing: 1 set



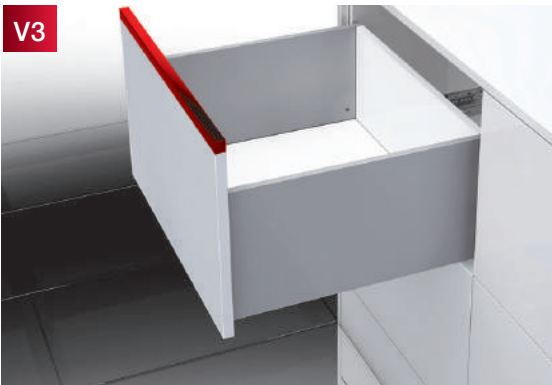
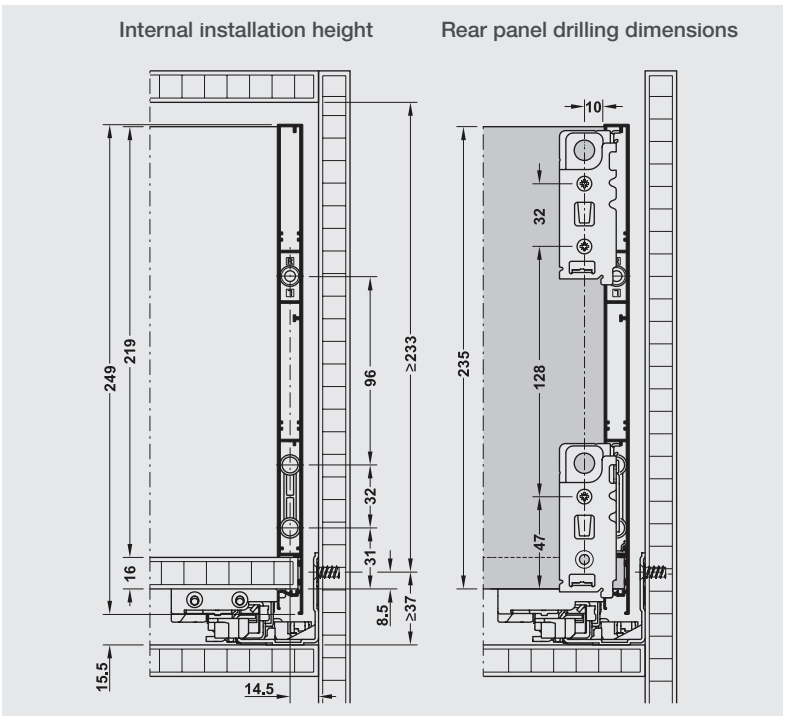
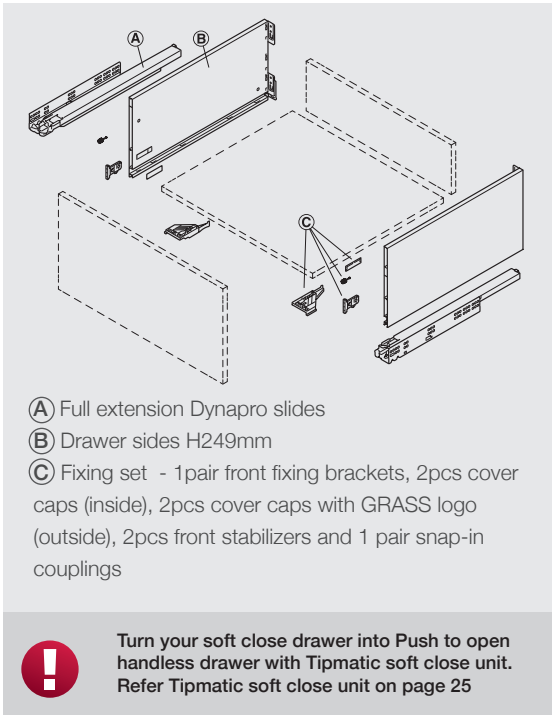
VIONARO

H249MM DRAWER SET



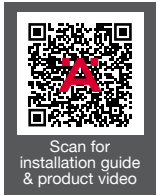
- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > Bottom panel machining not required

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



GRASS VIONARO H249 drawer set				
Finish	Length	Load	Cat. No.	Price* (MYR)
Graphite	500 mm	40 kg	550.50.305	675.00
		70 kg	550.50.335	719.00
Silver grey	500 mm	40 kg	550.50.505	603.00
		70 kg	550.50.535	643.00

Set includes 1 pair full extension Dynapro slides, 40kg or 70kg, 1 pair H249 drawer sides and 1 set fixing set
Packing: 1 set



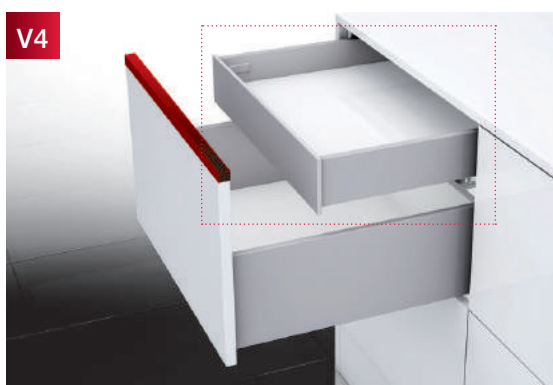
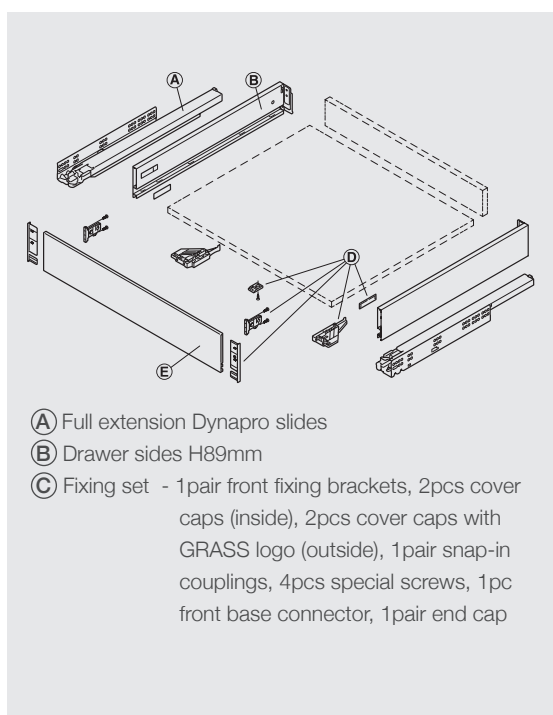
Scan for
installation guide
& product video

VIONARO H89MM INNER DRAWER SET







- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > Bottom panel machining not required

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



GRASS VIONARO H89 Inset drawer set

Finish	Length	Load	Cat. No.	Price* (MYR)
Graphite	500 mm	40 kg	550.51.325 	568.00
		70 kg	550.51.335 	613.00
Silver grey	500 mm	40 kg	550.51.525 	508.00
		70 kg	550.51.535 	547.00

Set includes 1 pair full extension Dynapro slides, 40kg or 70kg, 1 pair H185 drawer sides, 1 set fixing set for inset H185mm and 1 piece front panel L1160mm

Packing: 1 set

Note: Please order spacer bar separately if with hinged door. See page 24





VIONARO H185MM INNER DRAWER SET

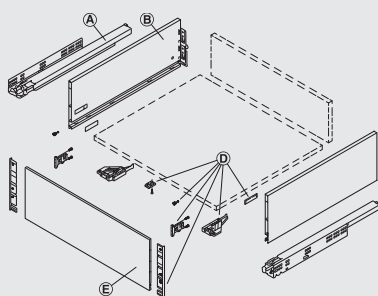


- > With integrated liquid Soft-close
- > Fully synchronized runner technology without midway knock
- > Integrated height and side adjustment
- > Optimal use of storage space due to straight inside narrow surfaces and narrow construction
- > Bottom panel machining not required



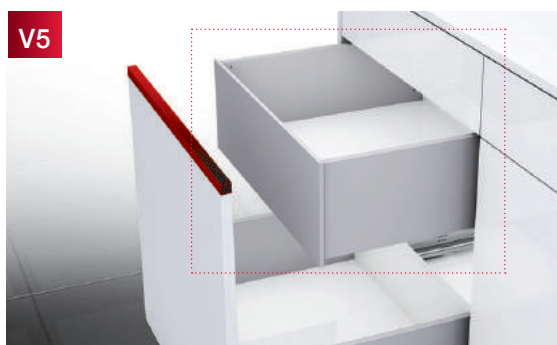
Scan for
installation guide
& product video

We recommend to use the 70kg drawer set for drawer width more than 900mm or loading over 40kg



- (A) Full extension Dynapro slides
- (B) Drawer sides H185mm
- (D) Fixing set - 1pair front fixing brackets, 2pcs front stabilizers, 2pcs cover caps (inside), 2pcs cover caps with GRASS logo (outside), 1pair snap-in couplings, 4pcs special screws, 1pc front base connector, and 1pair end cap
- (E) Front panel

V5



GRASS VIONARO H185 Inset drawer set

Finish	Length	Load	Cat. No.	Price* (MYR)
Graphite	500 mm	40 kg	550.52.325	768.00
		70 kg	550.52.335	814.00
Silver grey	500 mm	40 kg	550.52.525	686.00
		70 kg	550.52.535	728.00

Set includes 1 pair full extension Dynapro slides, 40kg or 70kg, 1 pair H185 drawer sides, 1 set fixing set for inset H185mm and 1 piece front panel L1160mm

Packing: 1 set

Note: Please order spacer bar separately if with hinged door. See page 24



- > To compensate for door offset
- > Mounting: Left or right
- > Dim. (W x D x H): 25 x 485 x 50mm
- > Colour: Chrome plated

Spacer - For internal drawer/ Internal pull out

Cat. No.	Price* (MYR)
540.24.922	167.00







Packing: 1 piece



VIONARO CROSS RAIL AND CONNECTOR



Scan for
installation guide
& product video

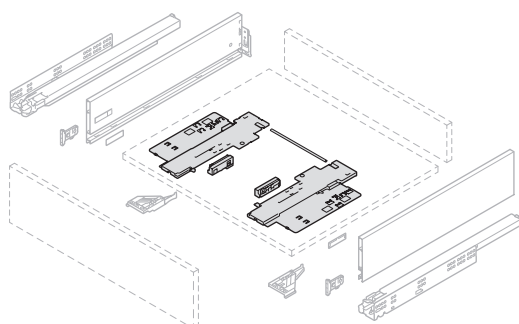
	Length	Finish	Cat. No.	Price* (MYR)
Cross rail				
	1124 mm	Graphic	550.46.379 	141.00
		Silver grey	550.46.579 	126.00
Connectors				
		Graphic	550.46.380 	35.00
		Silver grey	550.46.580 	32.00

Order qty: 2 pieces

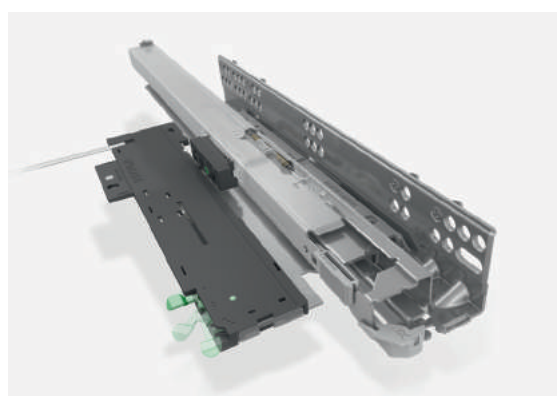
Packing: 1 piece


Stock Item

Freight Item



- > Touch to open and gentle closing perfectly combined
- > Large release area provided by synchronisation rod
- > Opening and closing function combined in one unit
- > Same unit for all nominal lengths and weight classes thanks to 3-way adjustment of the ejection force
- > Depth adjustment: -1/+3mm
- > The eject unit is attached to the drawer sides without tools and secured with screw
- > Minimum front gap: 2.5mm



Description	Cat. No.	Price* (MYR)
Tipmatic Soft close complete set	433.19.081 	350.00

Set includes 1 set Tipmatic soft close eject unit, 2 pieces followers and 1 piece 952mm synchronisation rod
Packing: 1 set

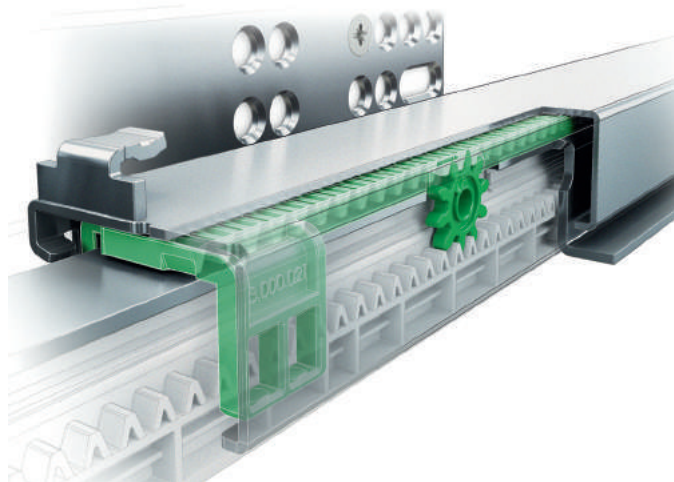
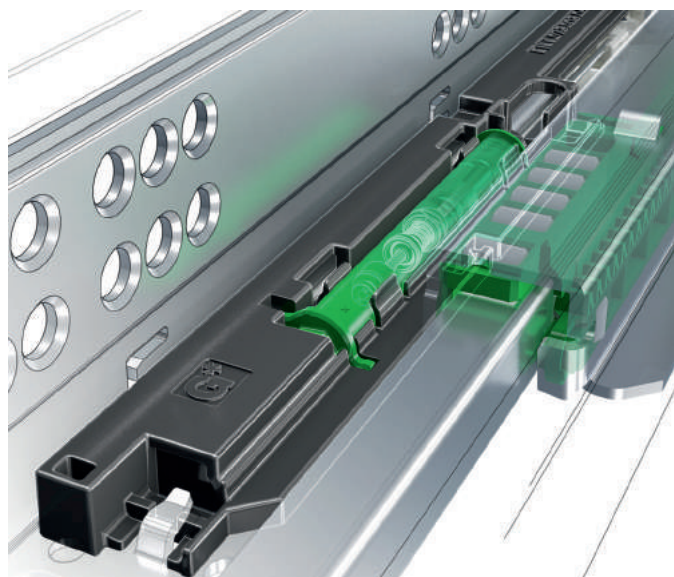


CONCEALED RUNNER

Our concealed runners are perfect when you want to ensure your design will offer a gliding opening/ closing mechanism that is hidden from view.



reddot award 2014
winner



DYNAPRO

To satisfy the highest expectations in terms of operating comfort, stability, quiet movement and load capacity:

Dynapro, the precision drawer slide from GRASS, offers top-quality functional variability for individual drawer design in all living spaces.

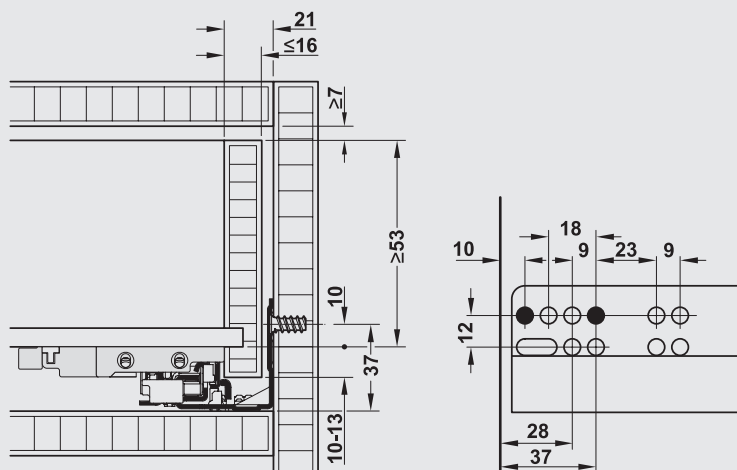


- > Same runners for both soft closing (front panels with handle) and handle-free opening and soft closing (by extension with Tipmatic Soft-close opening system - order separately)
- > Load bearing capacities of 40 and 70 kg allow modern furniture design
- > Low opening forces, excellent running properties and 100% synchronising action
- > Precise front panel adjustment without tools in up to 3 dimensions
- > Slide-on mounting
- > Full extension with 40kg / 70kg load capacity
- > With integrated liquid Soft-close
- > Fully synchronized runners
- > Height adjustment +3.5mm, side adjustment ± 1.5 mm, tilt adjustment +4mm and depth adjustment +3.5mm without tools using 4D clips

We recommend to use the 70kg drawer set for drawer width more than 900mm



Installation



Note

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

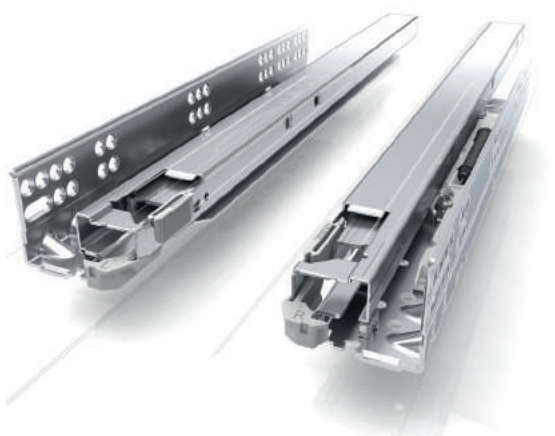
Min. installation length with internal drawers = nominal length + 21mm



Turn your soft close drawer into Push to open handless drawer with Tipmatic soft close unit. Refer Tipmatic soft close unit on page 29



Scan for installation guide



Load	Length	Cat. No.		Price* (MYR)
40 kg	300mm	433.19.662	✖	371.00
	350mm	433.19.664	✖	371.00
	400mm	433.19.666	🏠	325.00
	450mm	433.19.668	🏠	330.00
	500mm	433.19.670	🏠	349.00
	550mm	433.19.672	🏠	430.00
70kg	450mm	433.20.688	✖	330.00
	500mm	433.20.690	✖	574.00
	550mm	433.20.692	✖	623.00

Set includes 1 pair runner and 1 pair 4D fixing tools

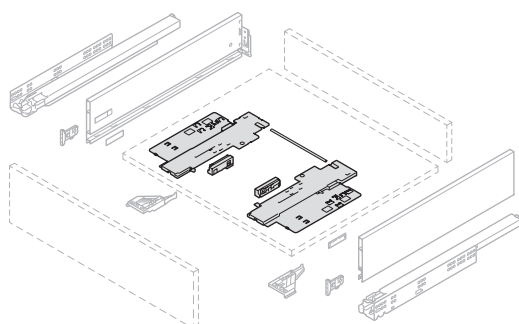
Packing: 1 set



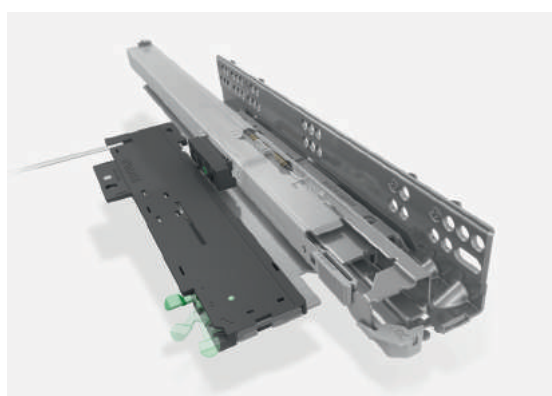
Stock Item




Freight Item



- > Touch to open and gentle closing perfectly combined
- > Large release area provided by synchronisation rod
- > Opening and closing function combined in one unit
- > Same unit for all nominal lengths and weight classes thanks to 3-way adjustment of the ejection force
- > Depth adjustment: -1/+3mm
- > The eject unit is attached to the drawer sides without tools and secured with screw
- > Minimum front gap: 2.5mm



Description	Cat. No.	Price* (MYR)
Tipmatic Soft close complete set	433.19.081 	350.00

Set includes 1 set Tipmatic soft close eject unit, 2 pieces followers and 1 piece 952mm synchronisation rod
Packing: 1 set

DRAWER ORGANISATION SYSTEM





Drawer organisation system provide pre-set compartments for organising and housing cutlery or storing larger items such as plates, dishes and pans.

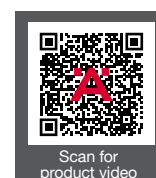


TAVINEA SORTO FOR NOVA PRO SCALA

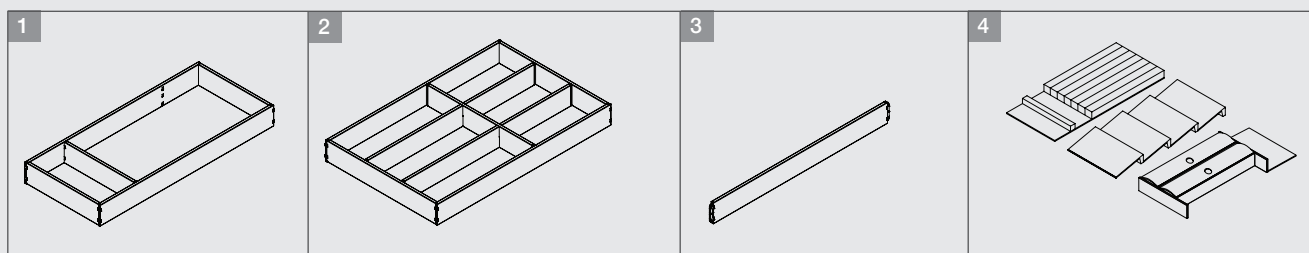


THE NEW AND COMPACT INTERIOR ACCESSORY SYSTEM FOR DRAWERS

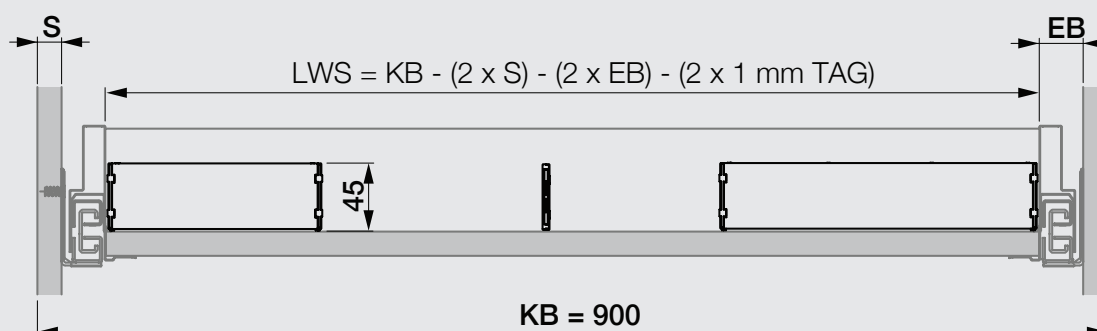
- > Simple: Whether using one, two or three elements – with the new frame system it is possible to fit out drawers of any width quickly and easily.
- > Innovative: Spacer and anti-slip device in one – the innovative corner connection of the frames ensures firm attachment to the bottom panel and scratch-free positioning at the side walls and elements.
- > Tone-on-tone: The powder-coated frame system matches Nova Pro Scala drawer sides in form and colour.
- > Can be combined: Together with the fun elements such as the knife block, the stepped spice rack and foil holder, Tavinea Sorto creates perfect organisation in the drawer.
- > Durable: The robust and scratch-resistant surface gives the steel frames a durable, attractive finish.



Application Example



Installation Information

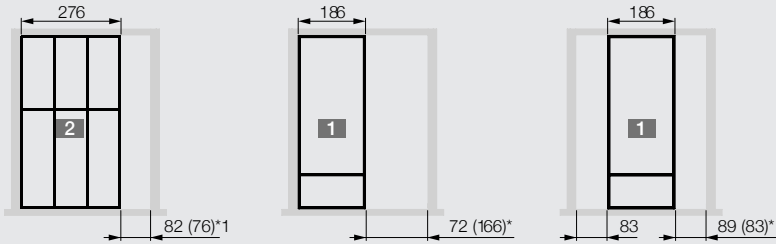
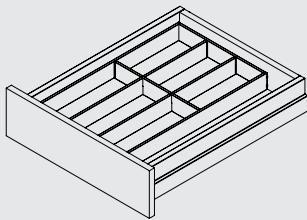


EB - Drawer side width
KB - Cabinet width
LWS - Internal drawer width

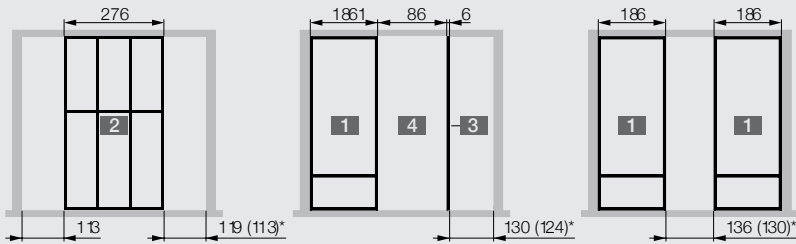
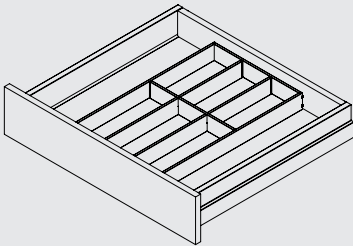
NL - Nominal length
S - Side panel thickness
TAG - Tolerance compensation

Cabinet width										
S/EB	300	400	500	600	700	800	900	1000	1100	1200
16/29	208	308	408	508	608	708	808	908	1008	1108
Internal dimension										

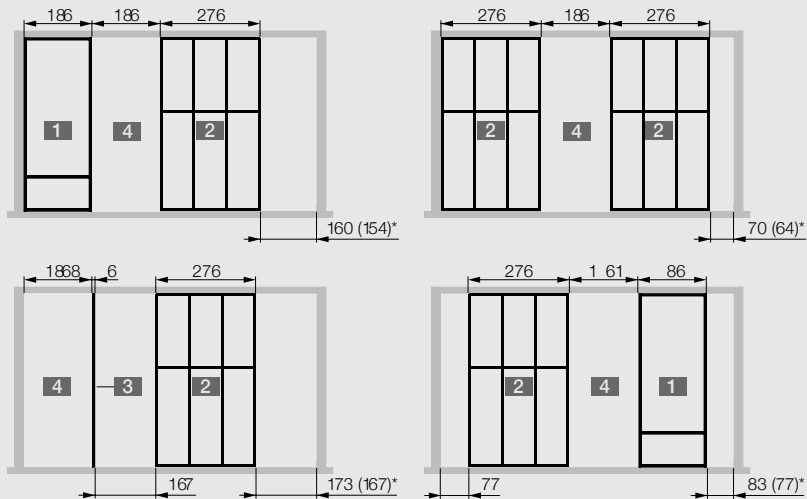
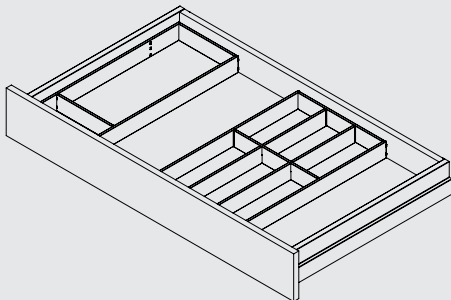
For Drawer width 450mm



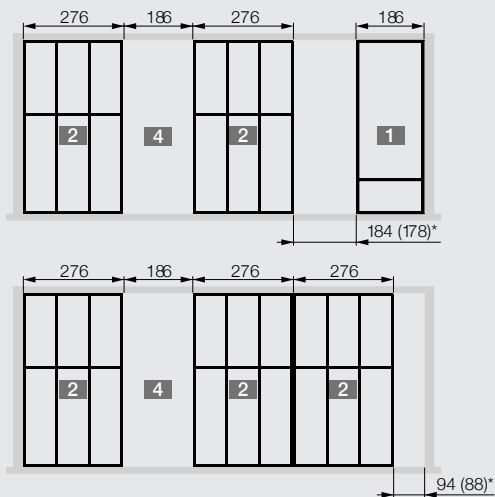
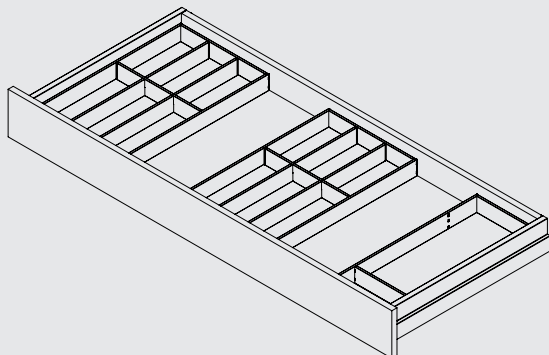
For Drawer width 600mm



For Drawer width 900mm



For Drawer width 1200mm





TAVINEA SORTO FOR NOVA PRO SCALA

1



Tavinea Sorto cutlery insert for Nova Pro Scala



Finish	Cat. No.		Price* (MYR)
Stone	557.90.526		475.00
Silver	557.90.926		475.00

Packing: 1 Piece

2



Tavinea Sorto cutlery insert for Nova Pro Scala



Finish	Cat. No.		Price* (MYR)
Stone	557.90.525		367.00
Silver	557.90.925		367.00

Packing: 1 Piece

3



Tavinea Sorto divider rail







Finish	Cat. No.		Price* (MYR)
Stone	557.90.545		116.00
Silver	557.90.945		116.00

Packing: 1 Piece

4A



Accessories

	Finish	Cat. No.		Price* (MYR)
A Knife block	Natural ash	557.74.511		920.00
	Black ash	557.74.911		920.00
B Spice rack	Natural ash	557.74.531		484.00
	Black ash	557.74.931		484.00
C Roll holder	Natural ash	557.74.551		1,129.00
	Black ash	557.74.951		1,129.00

4B



Packing: 1 Piece

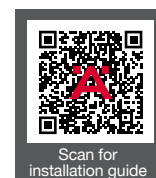
4C

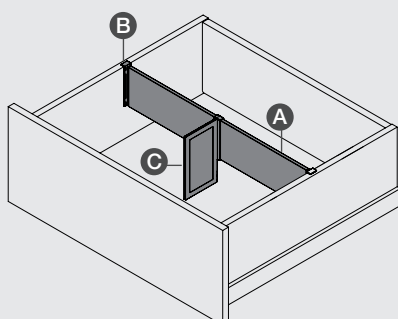




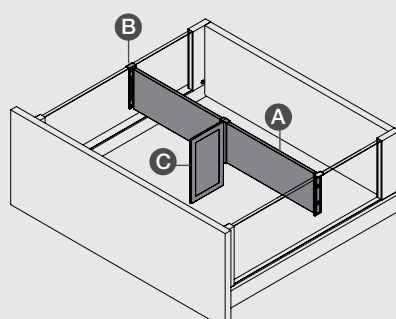
THE NEW DIVIDING SYSTEM FOR NOVA PRO DRAWERS

- > Organised: With Tavinea Optima small and large stored items remain securely in place. The flexibly usable elements divide the space in drawers to the personal preferences of the user.
- > Variable: The dividers in the drawer with the continuously adjustable aluminium profiles can be adjusted at any time – tool-free and also after the initial fit.
- > Useful: Practical Smartboards make it possible to divide the stored items even more. Simply clip on the divider profiles.
- > Choice: Tavinea Optima is available in set packages or in the form of profiles for cutting to length; there is a choice of colours matching the Nova Pro Scala drawer sides.





Nova Pro Scala 186mm high drawer sides





Nova Pro Scala Crystal Plus drawer sides

A



Tavinea Optima divider profile L1098mm



Finish	Cat. No.		Price* (MYR)
Stone	551.87.570		205.00
Silver	551.87.970		205.00

*for cutting to length = internal cabinet width - 70mm
Packing: 1 Piece

B



Tavinea Optima profile clip



Finish	Cat. No.		Price* (MYR)
Stone	551.87.590		35.00
Silver	551.87.990		35.00

Packing: 1 Piece

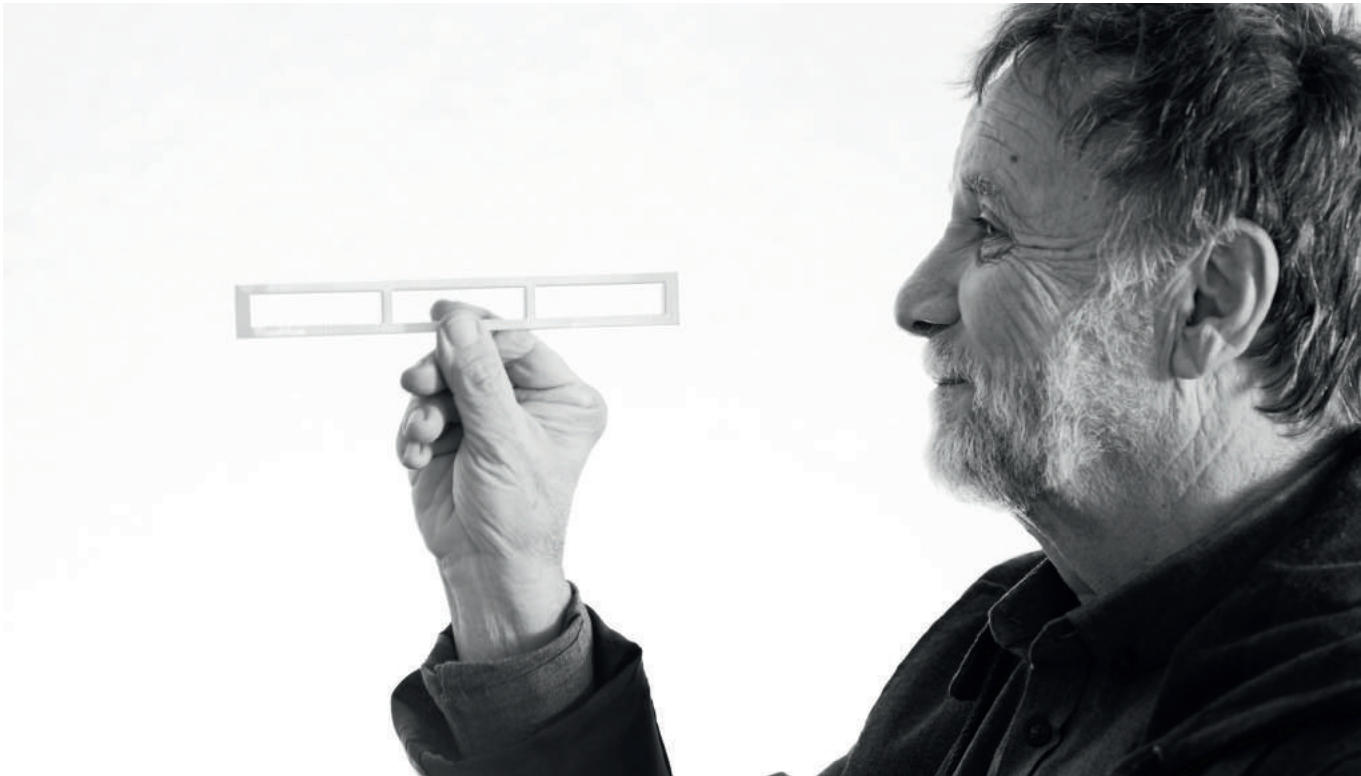
C



Tavinea Optima Smartboard

Finish	Cat. No.		Price* (MYR)
Stone	551.87.580		43.00
Silver	551.87.980		43.00

Packing: 1 Piece



WARRANTY

As a globally recognised manufacturer and supplier, Häfele (M) Sdn Bhd (**Häfele**) provides the following warranty (**Warranty**) in relation to its kitchen equipment, wardrobe fittings, accessories and related products (**Product(s)**).

Warranty Periods

Häfele warrants that, subject to the exclusions and limitations below, the Products will be free from defects in materials and workmanship for the following periods (**Warranty Period(s)**):

Product	Warranty Period
GRASS Drawer Runner & Fitting	Lifetime warranty (20 years)

Claims Procedure

If a fault covered by this Warranty occurs, the customer must first contact Häfele using the contact details below.

Claims for errors or transport damage must be made within 14 days of receipt of the Products.

Any warranty claim must be accompanied by:

- > Proof of Purchase (invoice);
- > Full details of the alleged defect; and
- > Any other appropriate documentation

The customer must make the Product available to Häfele or its authorised repair agent for inspection and testing. If such inspection and testing finds no defect in the Product, the customer must pay Häfele's usual costs of service work and testing.

The customer must bear the cost of the transport of the Product to and from Häfele or its authorised repair agent.

Exclusions

This Warranty does not apply:

- > to any Components carrying their own separate express warranties;
- > where the Product has been installed in an unsatisfactory manner (as determined by Häfele);
- > where the alleged defect in the Product is within acceptable industry variances;
- > where Häfele or its authorised repairer cannot establish any fault in the Product after testing and inspection;
- > where the Product has been used other than for the purpose for which it was designed and manufactured;
- > where the defect in the Product has arisen due to the customer's failure to properly use, service or maintain the Product in accordance with any instructions or user manuals that are supplied with the Product;
- > where the Product has been subjected to abnormal conditions, including environment, temperature, water, fire, humidity or similar;
- > where the defect has arisen due to abuse, misuse, neglect or accident; and
- > in respect of damage or defects caused by normal wear and tear.

Limitations

Häfele makes no express warranties or representations other than set out in this Warranty.

With respect to any Component, where a failure does not amount to a major failure, Häfele will provide, at Häfele's option, a repair, replacement or refund for the Component.

If a Product or part is no longer available and cannot be repaired, Häfele may, in its absolute discretion, replace the Product or part with a substitute item of similar quality, grade and composition where an identical Product or part is not available.

Action

Based on the inquiry, our Customer Care team will arrange for the appropriate action to take place.

Contact Details

Häfele (M) Sdn Bhd

18, Jalan Juruhebah U1/5, Temasya Industrial Park, 40150 Shah Alam

Email: info@hafele.com.my

Telephone: +603 5569 2526

HÄFELE

Häfele Malaysia Sdn Bhd

KL Head Office

No. 18, Jalan Juruhebah U1/50 Seksyen U1, Temasya Industrial Park, 40150 Shah Alam, Selangor, Malaysia
Phone: +603 5568 2526 | Fax: +603 5569 3526 | Email: info@hafele.com.my

KL Design Centre

No. 42, Jalan SS21/1, Damansara Utama, 47400 Petaling Jaya, Selangor, Malaysia
Phone: +603-7733 4526 / 7733 6526 | Fax: +603 7733 3526 | E-mail: info@hafele.com.my

Sabah Office & Showroom

No. 4.2 & 4.3 Neutron Point, Lorong Point Neutron, Jalan Lintas Khidmat, 88300 Kota Kinabalu, Sabah, Malaysia
Phone: +6088 380 533 | Fax: +6088 386 533 | Email: hafelesabah@hafele.com.my

www.hafele.com.my



Scan for full copy

NOV 2021