



A bespoke, steel framed external window, door and partition system—with sightlines from just 30mm. A traditional steel design to glazing, offering ultra slim profiles and modern performance values. The durable steel frame enables large opening sizes, double opening window and doors within larger steel framed screens or room partitions.

Frame

Frame Material Thermally broken steel

Frame Depth 80mm

Frame finishes Matte, Andonic, Fine texture, Fine texture metallic, Metallic. Available in a broad choice of colours and RAL colours, see page 9.

Opening configurations Fixed facades, single and double casement windows (side hung, top hung, top hung, bottom hung, tilt and turn), single and double casement doors. See page 3-8.

Glass

Typical glass specification 6mm/ 12mm/ 6mm, with Low E coating

Glass Options Low iron glass, decorative glass, low maintenance glass, solar control glass and more.

Maximum glass thickness 35mm

Maximum sizes

Fixed glazing 3000mm wide x 1500mm tall / 1500mm wide x 3000mm tall

Performance

Thermal Performance Typical U_w value up to 0.7 W/m^2K . U_g value 1.1 W/m^2K^*

Air Permeability Class 4 to EN 12207

Water Resistance 9A 600 Pa (Fixed), 9A 600 Pa (Tilt & Turn), 8A 450 PA (Other windows), 8A 450 Pa (Doors)

* for doors based on typical glass spec

Ironmongery

See page 10—12

Fixed glazing

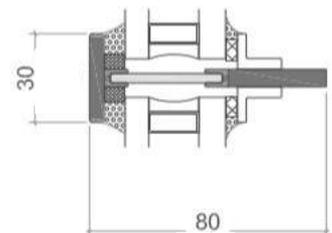
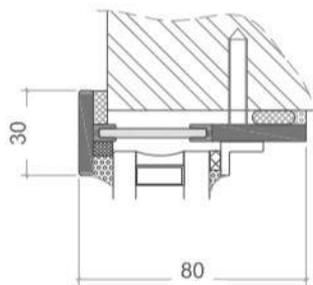
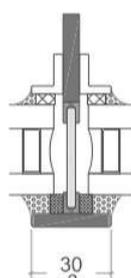
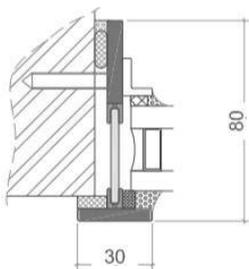
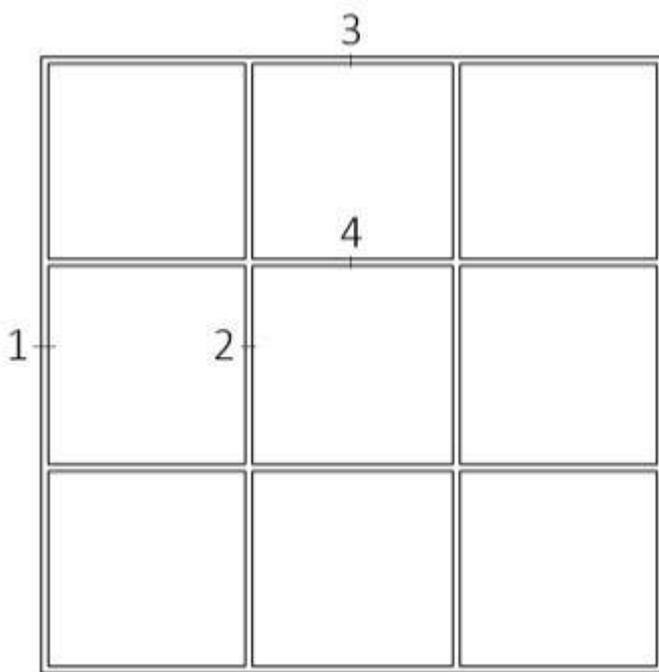
Frame Depth 80mm

Sightline 30mm

Base frame 50mm

Head frame 50mm

Maximum sizes 3000mm wide x 1500mm tall / 1500mm wide x 3000mm tall



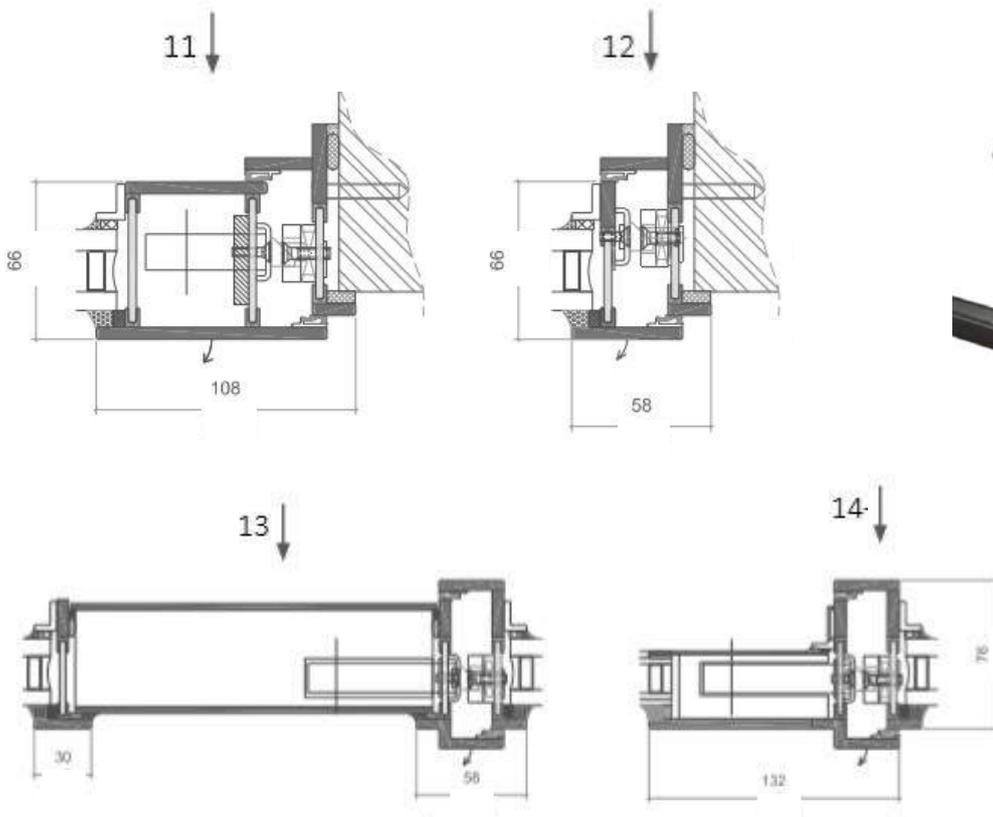
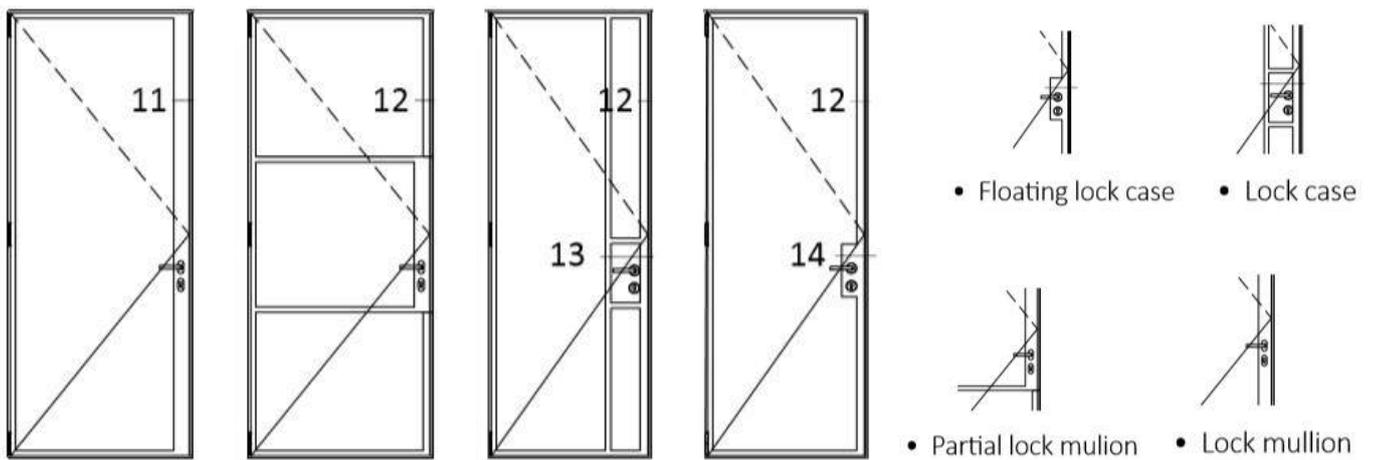
Single Casement Doors

Base frame 50mm

Head frame 50mm

Vent + frame 58mm (on hinged and handle edge if using floating lock case, lock case, partial lock mullion)
108mm (on hinged and handle edge if using lock mullion)

Available as both inward and outward opening doors



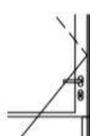
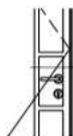
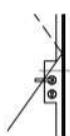
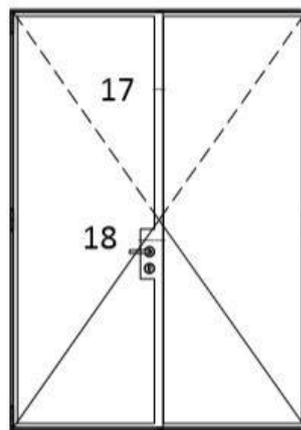
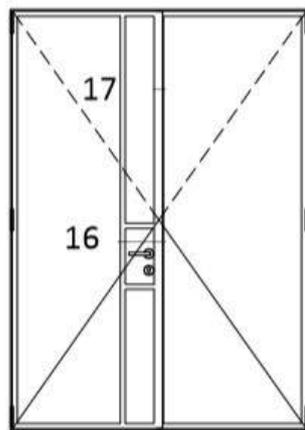
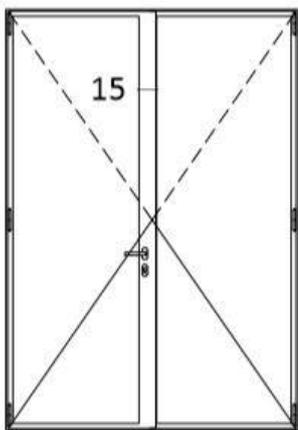
Double Casement Doors

Head frame 50mm

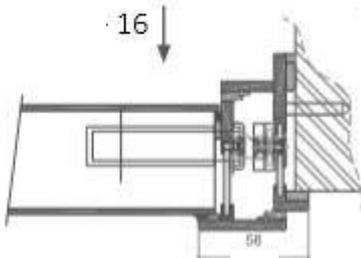
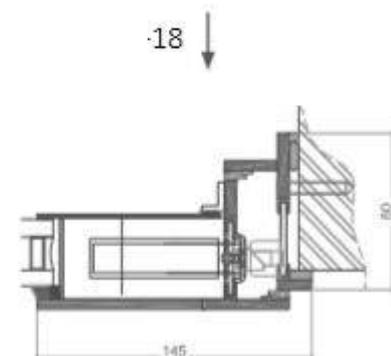
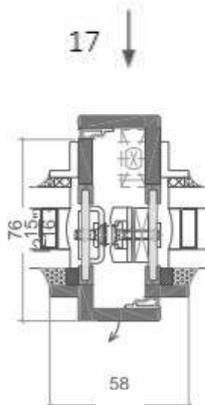
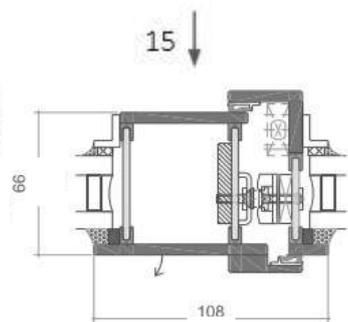
Base frame 50mm

Vent + frame 58mm (on hinged and handle edge if using floating lock case, lock case, partial lock mullion)
108mm (on hinged and handle edge if using lock mullion)

Available as both inward and outward opening doors



- Floating lock case
- Lock case
- Partial lock mullion
- Lock mullion



Single and Double Windows - Side Hung

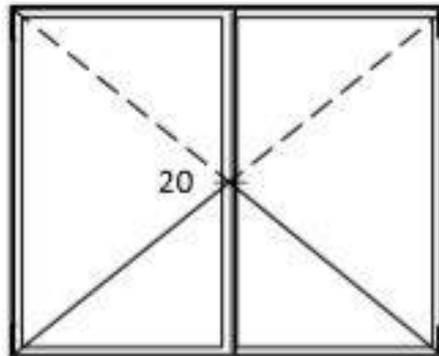
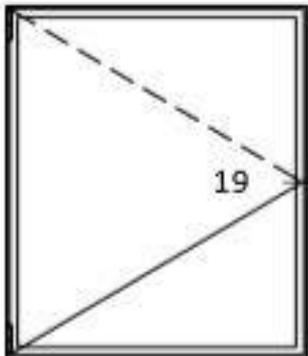
Head frame 50mm

Base frame 50mm

Vent + frame 50mm (single window with single point lock)

58mm (double window with single point lock, single window with multi-point lock, double window with multi-point lock)

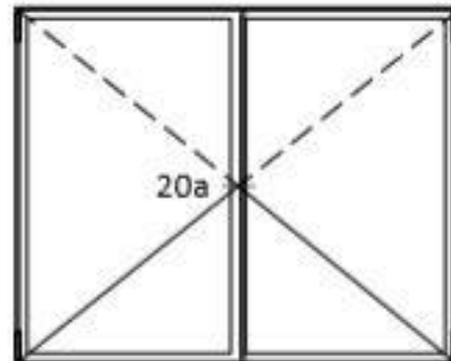
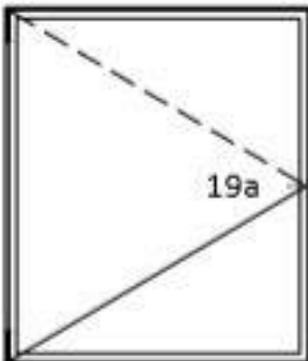
Available as both inward and outward opening windows



Up to 1000mm high with 1 handle

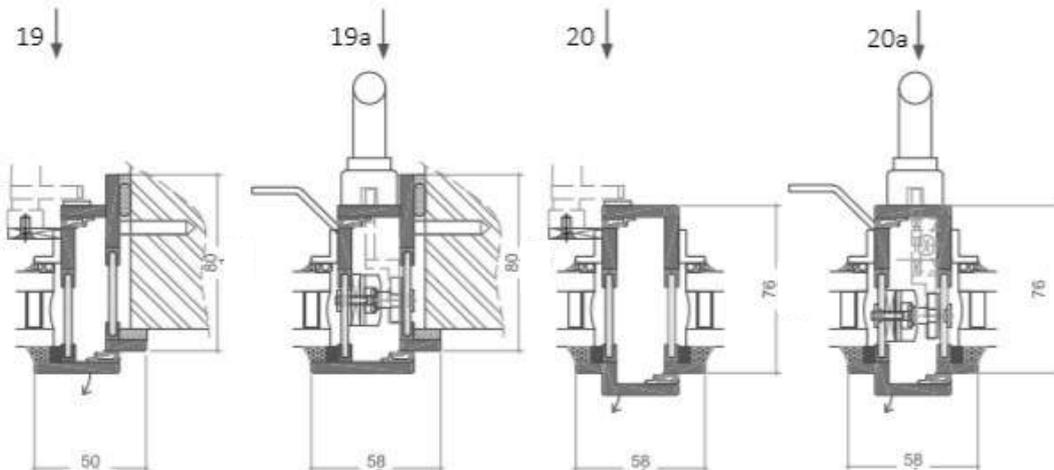
Up to 1500mm high with 2 handles

Casement window with single point lock



Needed for windows above 1500mm high

Casement window with MHB window multi-point lock



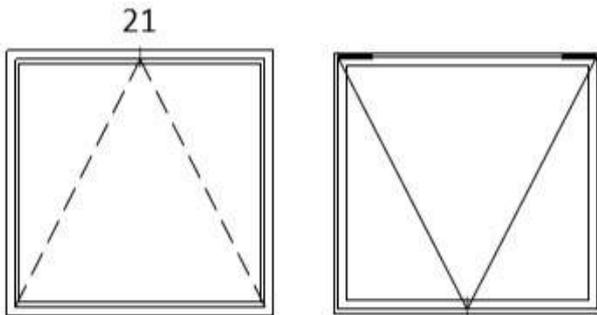
Single and Double Windows - Top and Bottom Hung

Head frame 58mm (with standard lock), 66mm (with multi-point lock)

Base frame 50mm (with standard lock), 58mm (with multi-point lock)

Frame depth 66mm

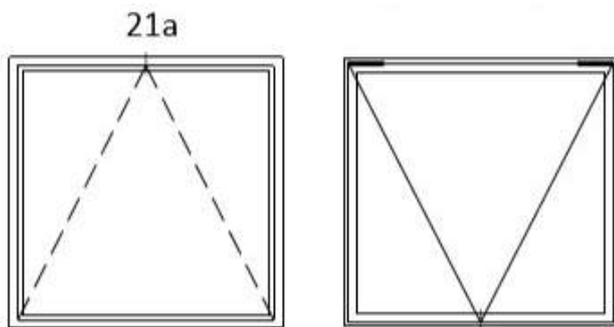
Available as both inward and outward opening windows



With standard locking hardware 22

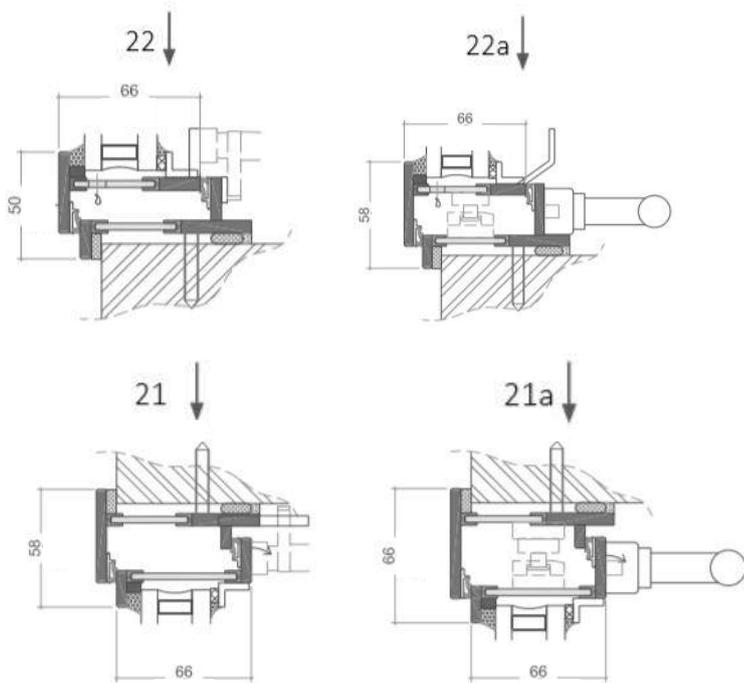
Up to 1000mm high with 1 handle

Up to 1500mm high with 2 handles



With MHB multi-point lock

Needed for windows above 1500mm high



Single and Double Windows - Tilt and Turn (with structural glazing)

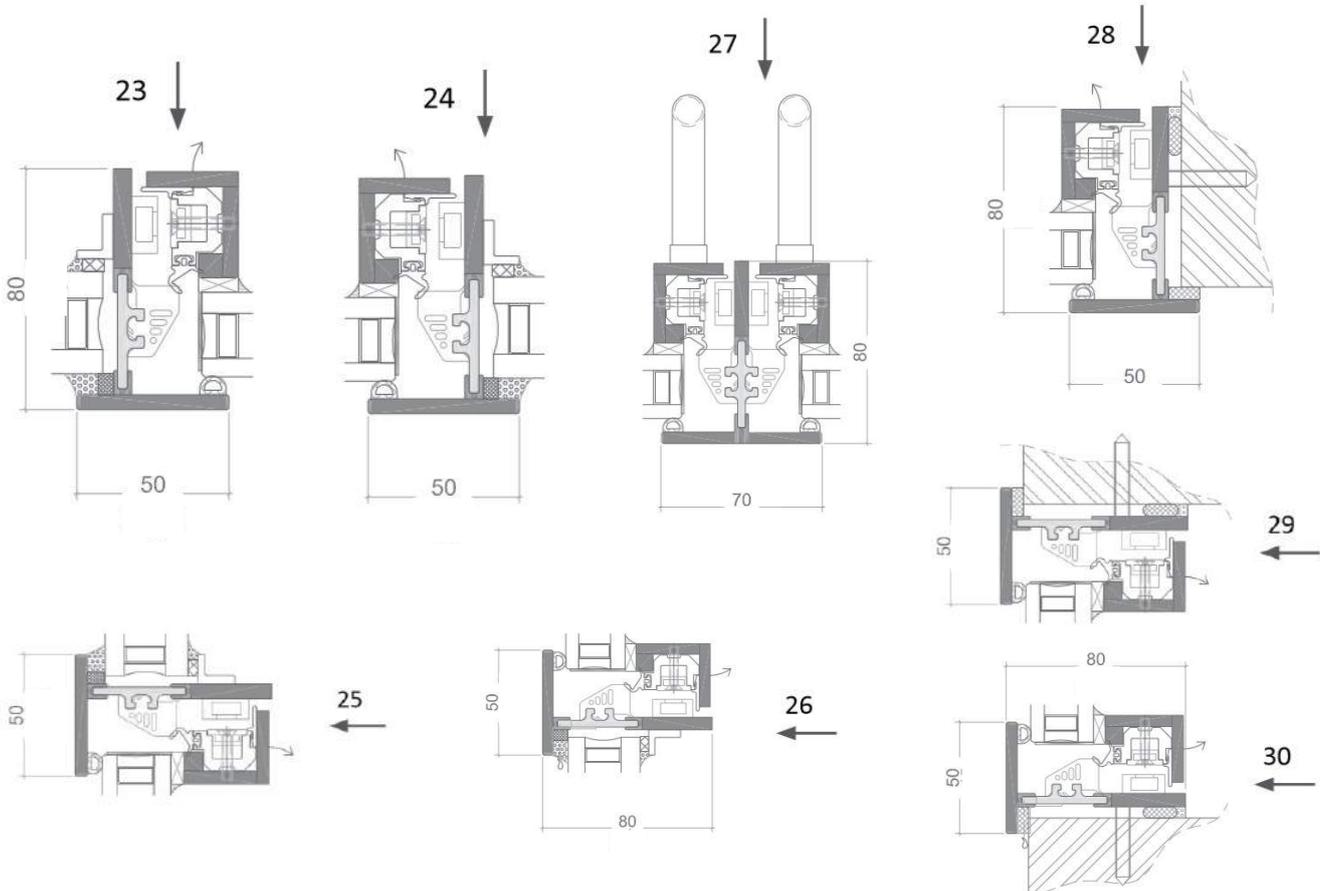
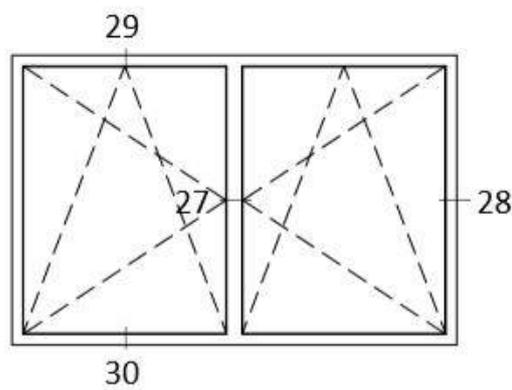
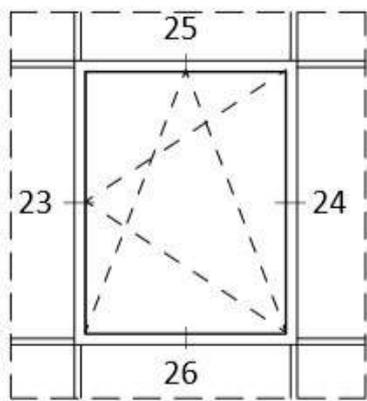
Head frame 50mm

Base frame 50mm

Frame depth 80mm

Meeting stile 70mm (the profile where two casement windows meet)

Available as both inward and outward opening windows



Single and Double Windows - Tilt and Turn (with glazing beads)

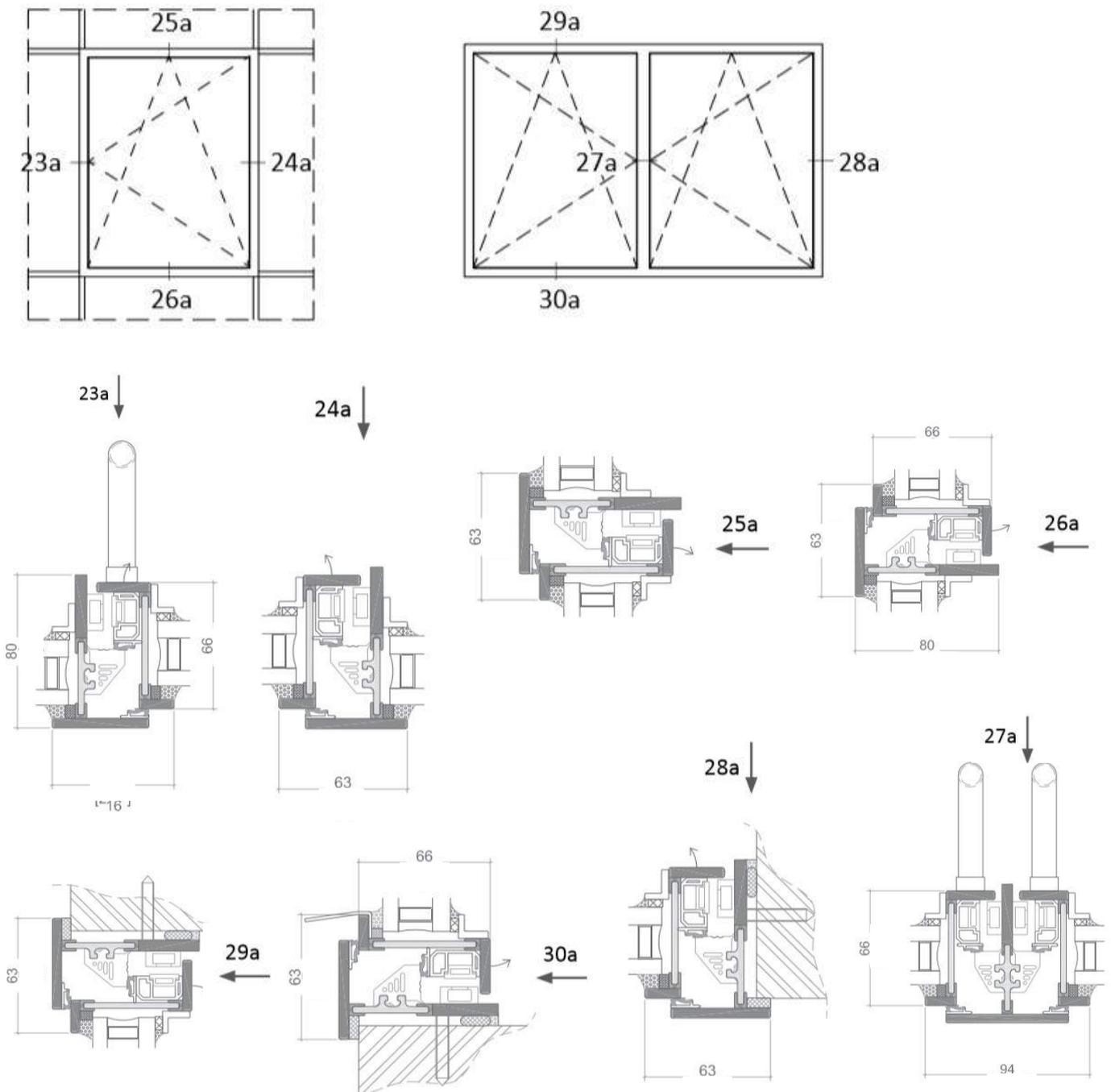
Head frame 63mm

Base frame 63mm

Frame depth 80mm

Meeting stile 94mm (the profile where two casement windows meet)

Available as both inward and outward opening windows



Frame Finishes

Matte—30 % gloss

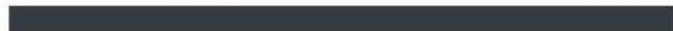
Anodic—20% gloss

Fine Texture—8-12% gloss with texture

Fine Texture Metallic—5% gloss with textured metallics

Metallic—Metallic glimmer

M-Anthracite Grey 7016+/-



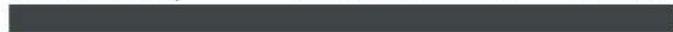
M-Black Grey 7021+/-



M-Umbra Grey 7022+/-



M-Traffic Grey 7043+/-



M-Grey Brown 8019+/-



M-Black Brown 8022+/-



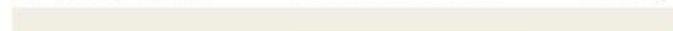
M-Signal Black 9004+/-



M-Deep Black 9005+/-



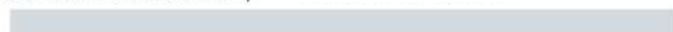
M-Creme White 9001+/-



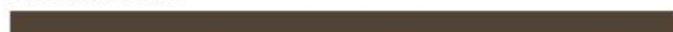
Anodic Black



Anodic Natura Grey



Anodic Brown



Anodic Bronze



ML-White aluminium 9006+/-



ML-Grey aluminium 9007+/-



FT-Umbra Grey 7022+/-



FT-Traffic Grey 7043+/-



FT-Black Brown 8022+/-



FT-Deep Black 9005+/-



FT-Creme White 9001+/-



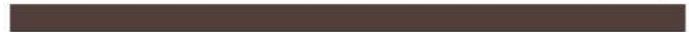
FTM-Night Grey 7016+/-



FTM-Umbra Grey 7022+/-



FTM-Brown Bear 8019+/-



FTM-Bariton 1 9006+/-



FTM-Bariton 2 9007+/-



FTM-Deep Black 9005+/-



FTM-Grey DB 701



FTM-Grey DB 703



M—Matte Colours

Anodic—Anodic Colours

ML—Metallic Colour

FTM—Fine Texture Metallic

FT—Fine Texture

Door Handle Options & Locking

Door handles and escutcheons for lock case and floating lock case

L-shaped door handle



Brushed stainless steel handle

Length: 128mm \varnothing : 19mm

Round stainless steel escutcheon

Depth: 8.5mm \varnothing : 58mm

Stainless steel rounded door handle



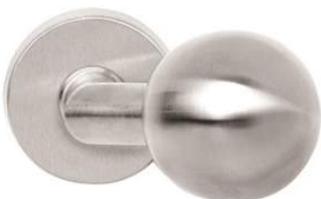
Brushed stainless steel handle

Length: 128mm \varnothing : 19mm

Round stainless steel escutcheon

Depth: 8.5mm \varnothing : 58mm

Door handle knob



Brushed stainless steel knob

\varnothing : 50mm

Fixed or rotating

Round stainless steel escutcheon

Depth: 12mm \varnothing : 58,5mm

Window Handle Options & Locking

Door handles and escutcheons for lock mullion

Cranked rectangular door handle



Brushed stainless steel cranked handle
ø: 19mm

Oval escutcheon
Max. width 30mm

L-shaped cranked door handle



Brushed stainless steel cranked handle
ø: 19mm

Oval escutcheon
Max. width 30mm

Cranked door knob



Brushed stainless steel cranked knob
ø: 50mm
Fixed or rotating

Oval stainless steel escutcheon
30 x 71 x 13mm

Door Locking System—MHB security multipoint lock



European standards (EN 1627—1630)

Window Handle Options & Locking

T-shaped window handle



Handle finish: Brushed stainless steel, polished brass or in the colour of the frame
Lockable version available

Escutcheon finish: Stainless steel or in the colour of the frame
Installed with WML multipoint lock

Oval window handle



Handle: Oval chrome on stainless steel locking mechanism
Lockable version available

Escutcheon finish: Stainless steel or in the colour of the frame
Installed with WML multipoint lock

Chemin de fer— window handle



Handle: T shaped handle on stainless steel locking mechanism
Installed with WML multipoint lock

Finish: brushed stainless steel or in the frame colour

Arched classic window handle



Classic arched steel handle on 4-hole backplate
Handle Finish: satin chrome, brushed brass and RTD

Fitted with screws suitable for M5 countersink holes
Lockable version with barrels in matching finish

Window Handle Options & Locking

L-shaped window handle



L-shaped handle on stainless steel locking mechanism
Handle finish: Brushed stainless steel, polished brass or frame colour

Lockable version available
Escutcheon finish: Stainless steel or in the colour of the frame
Installed with WML multipoint lock

MHB rectangular window handle



Brushed stainless steel handle
Length: 122mm, Width: 14mm
Integrated locking system available

Rectangular stainless steel escutcheon: Depth: 13mm

Straight window handle



Rectangular steel handle on 4-hole backplate
Handle finish: satin chrome, brushed brass and RTD

Fitted with screws suitable for M5 Countersink holes
Lockable version available with matching finish

Window Locking System—MHB multipoint lock



No. of locking points will depend on the configuration of the window

How to Specify the MHB SL30—ISO from IQ Glass

Speak to the team at IQ

The team at IQ are the experts in our product range. If you are considering using an MHB SL30-ISO on your project speak to the team at IQ who will be able to advise you on the best solution for your intended design, ensure that all specification criteria are met and advise the feasibility to areas of the installation you may not have considered.

Get a Quotation

We advise our customers to get a quotation for their intended MHB SL30—ISO installations from IQ. This allows us all to ensure that the preferred product and design is within budget. If it is not we can help you adjust the specification to reach all performance, design and budgetary requirements.

Add us to your NBS Specification

To assist you in specification we have created individual NBS Specification sheets for the MHB SL30—ISO product. These, easy to navigate, documents contain all the vital information needed for specification. They are available for you to complete on your own, alternatively ask your sales representative at IQ to complete this on your behalf

Place the Order

When ready you (or your client or the builder) can then place the order for your MHB SL30—ISO with us. A full in-house handover will take place and your project will be passed to the contracts and design team. Once your project deposit is placed we will then undertake full design drawings for the installation and any other additional glazing works. Please allow at least 20 working days for the design process.

The project will be appointed a dedicated contracts manager who will oversee the installation process. The lead times for this system will be confirmed on order.