

NAUTILUS
BEYOND THE GLASS™

2026

ALUMINUM

Window & Door

SYSTEMS

BEYOND THE GLASS

A JBC UNLTD COMPANY

PART TWO • THE ALUMINUM RANGE

Most window problems are not **glass** problems.

They are frame problems, drainage problems, hardware problems, installation problems. Four aluminum series follow — each engineered as a complete opening system, specified to your site and installed under one responsibility.

MERIDIAN • LINEA • MOTUS • ATRIUM

Inside

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Model names are series + profile depth in millimeters, rounded to the nearest five; the exact measured depth is printed on each page. The opening type is carried by the chapter. Specifications are the systems as supplied and are confirmed at assessment. No price appears in this book. The companion volume, **Silva · Wood**, covers the wood-clad range — real hardwood inside, aluminum outside.

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SERIES 01

Meridian Classic

The main line of the aluminum range — every way a wall can open, engineered on proven sections with named German and Austrian hardware. When in doubt, this is the series a home starts from.

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MERIDIAN • CLASSIC

MERIDIAN · CLASSIC

Meridian-70

TILT & TURN WINDOW · 72.5 MM

The entry tilt & turn of the classic range — and already triple-glazed: three panes with double argon cavities as the standard build, with wider thermal breaks sized for extreme weather.

DEPTH OF PROFILE
72.5 mm

SIGHTLINE
89.3 mm

GLAZING
6+16Ar+6+16Ar+6, fixed
& sash

GLASS RABBET
57 mm

HANDLE
German HOPPE, auto-
locking

TRANSMISSION
German G-U

CORNERS
R7 filleted · whole seal
strip

FINISH
Austrian TIGER powder
coat

SCENES SHOWN ARE THE MANUFACTURER'S DEPICTIONS OF ITS RANGE · SECTIONS, GLAZING AND HARDWARE ARE CONFIRMED AGAINST THE MANUFACTURER'S OFFERING AT ASSESSMENT



MERIDIAN · CLASSIC

Meridian-90

TILT & TURN WINDOW · 90 MM

The heavy classic: a 90 mm laser-welded section with German WINKHAUS transmission, argon-filled 27 mm cavities and a non-return drainage path that keeps water — and insects — out.

DEPTH OF PROFILE
90 mm

WALL THICKNESS
1.8 mm

GLAZING
5+27Ar+5, fixed & sash

GLASS RABBET
50 mm

TRANSMISSION
German WINKHAUS

HANDLE
**Italian GINKAO · HOPPE
opt.**

PROCESS
**Seamless laser welding ·
foam-filled**

SCREEN
**Optional, semi-
concealed**

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MERIDIAN · CLASSIC

Meridian-80

OUTWARD WINDOW · 80.5 MM

The Philippine default opening in its classic build — triple-glazed, seam-welded so there is no water path, with hidden drainage and no glazing bead in view.

DEPTH OF PROFILE
80.5 mm

SIGHTLINE
100 mm

GLAZING
6+16Ar+6+16Ar+6

GLASS RABBET
57 mm

HANDLE
German HOPPE, auto-locking

TRANSMISSION
German G-U

DRAINAGE
Hidden

DESIGN
Non-bead sash · R7 corners

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MERIDIAN · CLASSIC

Meridian-110

OUTWARD WINDOW · 108 MM

The deep outward window: flush sash and frame in one plane, argon-filled double glazing, and an integrally welded glazing bead — specified where wind load asks for more section.

DEPTH OF PROFILE
108 mm

GLAZING
5+27Ar+5

GLASS RABBET
50 mm

DESIGN
Flush — sash level with frame

SCREEN
48-mesh / 304 stainless, inward

DRAINAGE
Non-return system

PROCESS
Seamless welding · foam-filled

FINISH
Austrian TIGER powder coat

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MERIDIAN · CLASSIC

Meridian-140

SLIDING WINDOW · 138 MM

The triple-track slider of the classic range — three sashes riding a 138 mm section, with a stainless screen track built in and a German HOPPE handle on the screen itself.

DEPTH OF PROFILE
138 mm

FRAME SIGHTLINE
32.4 mm

SCREEN
**304 stainless steel,
integrated**

SCREEN HANDLE
German HOPPE

PROCESS
Seamless welding

TRACK
**Bottom cavity foam-
filled**

DETAIL
**Drain holes · rubber
bumpers**

SAFETY
Lock seat + lock point

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MERIDIAN · CLASSIC

Meridian-70

OUTWARD DOOR · 70 MM

The classic outward door for balconies and gardens:
German G-U latch and lock seat, a circular indoor
lock, and a key cylinder for locking from outside —
the daily-use door, done properly.

DEPTH OF PROFILE
70 mm

SIGHTLINE
126 mm

GLAZING
5+20Ar+5, fixed & sash

GLASS RABBET
38 mm

LATCH & LOCK SEAT
German G-U

HINGE
**German Dr. Hahn, heavy
sash**

PROCESS
**Seamless welding · foam-
filled**

FINISH
**Austrian TIGER powder
coat**

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MERIDIAN · CLASSIC

Meridian-190

SLIDING DOOR · 191 MM

The triple-track sliding door: two glass sashes and an anti-mosquito screen sash on a 191 mm section, each sash with its own lock seat, moving a wall of glass aside.

DEPTH OF PROFILE
191 mm

FRAME SIGHTLINE
40 mm

GLAZING
6+20Ar+6

GLASS RABBET
38 mm

SCREEN
304 stainless, own track

LOCKING
Independent lock point per sash

WALL THICKNESS
2.0 mm main parts

FINISH
Austrian TIGER powder coat

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MERIDIAN · CLASSIC

Meridian-80

FOLDING DOOR · 78 MM

The wall that folds away: sashes stack tight on dual metal tracks with high-strength pulleys, KERSENBERG hardware throughout, and a raised waterproof sill holding the weather at the line.

DEPTH OF PROFILE
78 mm

SIGHTLINE
75 mm

GLAZING
5+15Ar+5

GLASS RABBET
34 mm

HARDWARE
KERSENBERG system

OPENING
**Press-to-open,
handle+lock in one**

TRACKS
**Dual metal · high-
strength pulleys**

SILL
Waterproof, raised

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SERIES 02

Linea Slim

Designed to disappear. Linea narrows every sightline — concealed handles, flush sashes, frames that step back — so the architecture keeps the view and the aluminum keeps the weather.

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LINEA • SLIM

LINEA · SLIM

Linea-80

TILT & TURN WINDOW · 80 MM

DEPTH OF PROFILE
80 mm

SIGHTLINE
91 mm

HANDLE
German HOPPE

TRANSMISSION
Austrian MACO

GLAZING
5+27Ar+5, fixed & sash

GLASS RABBET
50 mm

WALL THICKNESS
1.8 mm

OPTION
Built-in louver glass

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The slim tilt & turn: Austrian MACO transmission and lock bracket under a German HOPPE handle, argon-filled 27 mm cavities — with a built-in louver-glass option, manual or electric.



LINEA · SLIM

Linea-115

TILT & TURN WINDOW · 115 MM

The deep slim section, flush inside: sash and frame in one plane with no protrusions, multi-lock seats, EPDM sealing — the tilt & turn for tall condo glass.

DEPTH OF PROFILE
115 mm

SIGHTLINE
91 mm

GLAZING
5+27Ar+5

GLASS RABBET
50 mm

HANDLE
German HOPPE, auto-locking

TRANSMISSION
Austrian MACO

DESIGN
Flush · multi-lock · EPDM

SCREEN
48-mesh, high transmittance

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LINEA · SLIM

Linea-115

OUTWARD WINDOW · 115 MM

The outward window with nothing in the hand's way: a concealed folding handle, flat-panel sash flush with the frame, and non-return drainage keeping the line clean.

DEPTH OF PROFILE
115 mm

SIGHTLINE
99 mm

GLAZING
5+20Ar+5

HANDLE
Concealed, folding

DESIGN
Flat-panel, flush

SCREEN
304 stainless, optional

DRAINAGE
Non-return system

WALL THICKNESS
1.8 mm

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LINEA · SLIM

Linea-115 Slim

OUTWARD WINDOW · 115 MM · 79 MM SIGHTLINE

The same 115 mm system, narrowed: a 79 mm sightline — twenty millimeters less aluminum in view — with an ultra-narrow inward screen and the concealed folding handle.

DEPTH OF PROFILE
115 mm

SIGHTLINE
79 mm

GLAZING
5+20Ar+5

HANDLE
Concealed, folding

SCREEN
Ultra-narrow, 48-mesh / steel

DESIGN
Flush, seamless-welded

DRAINAGE
Non-return system

DISTINCTION
The narrowest outward sightline

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LINEA · SLIM

Linea-70

OUTWARD DOOR · 70 MM

The slim outward door: ultra-narrow frame, seam-welded and foam-filled through frame and sash, argon glazing — and over one hundred finish colors at the order.

DEPTH OF PROFILE
70 mm

SIGHTLINE
89 mm

GLAZING
5+20Ar+5, fixed & sash

GLASS RABBET
40 / 37 mm

HANDLE
German HOPPE

TRANSMISSION
German G-U

ALLOY
6063-T5 · ≥ 1.8 mm

COLORS
100+ custom finishes

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LINEA · SLIM

Linea-140

SLIDING DOOR · 140 MM

The embedded slider: the frame recesses fully into the wall so only glass shows, on running gear rated to a thousand kilograms per leaf — built for the largest openings.

DEPTH OF PROFILE
140 mm

FRAME
Fully recessed — hidden

LOAD RATING
1,000 kg per leaf

GLAZING
5+27Ar+5

GLASS RABBET
45 mm

STRUCTURE
Reinforced central post

WALL THICKNESS
≥ 2.0 mm

DRAINAGE
Non-return system

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LINEA · SLIM

Linea-215

SLIDING DOOR · 215 MM

The triple-track flagship of the slim range: three sashes on a 215 mm section with KERSENBERG hardware end to end, brush seals, track drainage and no glazing bead in view.

DEPTH OF PROFILE
215 mm

FRAME SIGHTLINE
70 mm

GLAZING
6+20Ar+6

GLASS RABBET
36 mm

HARDWARE
**KERSENBERG, incl.
screen**

SCREEN
26-mesh, third track

SEAL
Brush · track drainage

DESIGN
**Non-bead, maximum
glass**

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SERIES 03

Motus Motorized

Three systems where the motor is the product: a lifting window, an awning that closes itself in the rain, and a sliding door that moves glass a person cannot. The machine does the opening — the household just decides.

BEYOND THE GLASS

MOTUS · MOTORIZED

MOTUS · MOTORIZED

Motus-210

MOTORIZED SLIDING DOOR · 210 MM

The door that moves glass a person cannot: sashes ride double tracks on an obstacle-free sill — no threshold at all — and hide their frames inside the door frame when pushed aside. The drive closes it on the rain sensor's word.

DEPTH OF PROFILE
210 mm

FRAME SIGHTLINE
32.3 mm

MAIN PARTS WALL
2.5 mm

GLAZING
6 + 20Ar + 6, fixed & sash

GLASS RABBET
38 mm

DRIVE
Motorized · rain & wind sensor

INTERFACES
Smart home · app · touch

FINISH
Austrian TIGER powder coat

SCENES SHOWN ARE THE MANUFACTURER'S DEPICTIONS · DRIVES, SENSORS AND INTERFACES ARE CONFIRMED AGAINST THE MANUFACTURER'S OFFERING AT ASSESSMENT



MOTUS · MOTORIZED

Motus Single Hung

MOTORIZED LIFTING WINDOW

A fixed lower pane with an intelligent lifting sash — the picture-window wall that still ventilates. Sized from a standard opening to an eight-meter run, with the screen already integrated.

WIDTH RANGE
0.8 – 8.0 m

HEIGHT RANGE
1.0 – 2.7 m

CROSS-SECTION
155 – 380 mm

SCREEN
28-mesh, integrated

STANDARD
Rain sensor · touch · panel

OPTIONAL
Wind sensor · security · app

SAFETY
Anti-fall · e-stop · child lock

MOTOR
Silent · below safe voltage

SCENES SHOWN ARE THE MANUFACTURER'S DEPICTIONS · DRIVES, SENSORS AND INTERFACES ARE CONFIRMED AGAINST THE MANUFACTURER'S OFFERING AT ASSESSMENT



MOTUS · MOTORIZED

Motus Awning

MOTORIZED AWNING WINDOW · THREE BUILDS

The top-hung sash that leans out over the weather — and closes itself when rain begins. Three builds carry the same intelligence from a standard opening up to an eight-meter span, with concealed drainage and no glazing bead in view.

BUILDS

190 / 260 / 320 mm
section

WIDTH RANGE

0.8 – 8.0 m by build

HEIGHT RANGE

0.6 – 2.0 m by build

GLAZING

6+27Ar+6 to 12+27Ar+12

STANDARD

Rain sensor · auto-close

OPTIONAL

Electric sunshade

SAFETY

Anti-fall · e-stop · child
lock

CONTROL

App · touch ·
manual/auto

SCENES SHOWN ARE THE MANUFACTURER'S DEPICTIONS · DRIVES, SENSORS AND INTERFACES ARE CONFIRMED AGAINST THE MANUFACTURER'S OFFERING AT ASSESSMENT

THE TWO WIDER BUILDS ADD A CENTRAL ARMREST RAIL · FIXED LOWER GLASS ON ALL THREE



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SERIES 04

Atrium Sunroom

A room made of sky. Atrium is the structural glass roof of the range — a high-strength aluminum frame that turns a terrace, a garden edge or a rooftop into the most-used room in the house.

BEYOND THE GLASS

ATRIUM • SUNROOM

ATRIUM · SUNROOM

Atrium-130

STRUCTURAL SUNROOM SYSTEM

One system, engineered to be shaped: the load-bearing members are high-precision aluminum profile, cut to length and assembled on your site — so the roof is designed to the space instead of the space to the roof. Ambient LED can be built into the frame itself.

STRUCTURE

High-strength aluminum alloy

LIGHTING

Optional LED, frame & drain line

MEMBER WALL

1.0 – 3.0 mm by component

INSULATION

Optional foam-filled profiles

ASSEMBLY

Cut to length · installed on site

GLAZING

Specified per roof at assessment

CORNERS

Integral welding · whole-sprayed

FORM

Designed to the site

SCENES SHOWN ARE THE MANUFACTURER'S DEPICTIONS · STRUCTURE, GLAZING AND FINISH ARE CONFIRMED AGAINST THE MANUFACTURER'S OFFERING AT ASSESSMENT



A structure first. A room second.

A sunroom lives or dies on its structure — strength overhead, water management everywhere. Atrium is engineered as a kit of high-strength aluminum members, which is what makes it buildable to your site's exact shape.

01

Cut on site, not in a factory queue

The bearing members are high-precision aluminum profile that is cut to length and installed at the site — no complex production tooling, and no risk of a roof built to the wrong measurement.

02

One welded, one-sprayed shell

Frame members are integrally welded and integrally sprayed, so the finish carries no joints for weather to find. Profiles can optionally be foam-filled for thermal and acoustic damping.

03

Light built into the structure

The profile and the drainage line can carry built-in LED ambient lighting — the room glows from its own frame after dark, with no visible fixtures.

04

Drainage as a design member

The drain sink is an engineered part of the frame, not an afterthought — rain is collected and carried inside the structure's own lines.

AS SUPPLIED

Load-bearing members: high-strength aluminum alloy, 1.0–3.0 mm wall by component ·
Integral welding and integral spraying · Optional LED lighting and foam filling · Glazing and roof form specified per site at assessment

The surface is a specification too.

Every finish in this book is the manufacturer's own verified offering — nothing is shown that cannot be ordered. Physical samples decide the final call at assessment; no color is promised from a printed page.

01

Powder coat, standard

Austrian TIGER powder spraying across the range — the manufacturer's standard finish, in a wide chart of solid colors. More than one hundred custom colors can be ordered.

02

Fluorocarbon, coastal

An optional weathering-resistant fluorocarbon powder with 10 / 15 / 20-year grades — the manufacturer's own recommendation for coastal and high-UV sites. We specify it for salt air.

03

Wood-grain finish

A printed wood-grain effect on pure aluminum — no wood in the build. The warmth of timber where the budget or the exposure argues against the real thing.

04

Real wood: Silva

When only real wood will do, the companion Silva book covers the wood-clad range — solid oak interiors on the same engineered aluminum shell.

TRUTH IN MATERIALS

Wood-grain finish is printed on aluminum — it contains no wood. The Silva range is real 18 mm hardwood applied to the interior side. We will always tell you which one you are looking at.

How a system gets specified.

We measure the opening, match series, depth, glazing, hardware and finish to it, and quote after — not before. Wind zone, sun path, salt air and sound all change the answer, which is why the honest one starts on site.

Supplied and installed under one responsibility. Most window failures are installation failures; we do not split that accountability.

START WITH ONE OPENING

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