

Glass Balustrade

Compliant Systems Overview



Introducing our new systems.

We've developed and tested a full range of solutions to suit most balustrade configurations and projects. Each solution comes with a Product Technical Statement, making engineering sign-off straightforward.

If your project falls outside these solutions, no problem — we can assist you in providing information you need to secure engineering approval.



Engineered for safety. Compliance you can trust.

Independently tested by NATA-approved labs.

Certified by engineers for strength, deflection, and wind load requirements.

Backed by Product Technical Statements (PTS) and engineering drawings, ready to present to certifiers.

- Quick access to compliance documents via our online certification portal.
- Clear guidelines on when to use Form 15 or site-specific engineering.
- Peace of mind for builders, certifiers, and homeowners.

PTS access is available to current Glass Outlet trade customers only.

Industry and Standard

In May 2023, the National Construction Code (NCC) mandated the adoption of AS 1288-2021, introducing new guidelines for glass selection and installation in barriers. These changes address varied installation methods and improve structural safety, with key impacts linked to Clause 3.3.3.

Clause 3.3.3 – Deflection of Cantilevered Glass

Cantilevered glass (e.g., spigot-mounted panels) must now be designed to control deflection, limiting it to a maximum of height/30 under serviceability load conditions.

Key Impacts

- Glass above 5m drops must be toughened laminate.
- Glass balustrades require site-specific engineering.
- Generic Form 15 compliance certificates must be signed by a component person.

Why choose Glass Outlet balustrade?

Certified & Compliant – Tested to AS1288:2021 & NCC 2022 requirements.

Engineered Confidence – Site-specific certification and Product Technical Statements available.

Range Versatility – Spigots, standoffs, channels, and post systems to suit all of your projects.

Trade-Ready – Clear documentation, simple selection guides, and fast certification access.



Product specifications
can be found in our Glass
Balustrade Catalogue



Overview of the systems

SYSTEM DESIGN	SPAN HANDRAIL FIXED	SPAN HANDRAIL NOT FIXED	GLASS THICKNESS < 5 Metres	GLASS THICKNESS < 10 Metres	FIXING TYPE	MAXIMUM PANEL WIDTH
Nova Spigot	Unlimited	Unlimited	12mm TGH HS	13.52mm LAM	Spigot	1500mm [^]
Madrid Standard	4.88 metres	NA	12mm TGH HS	11.52mm LAM	Spigot	1500mm [^]
Madrid Deluxe	Unlimited	Unlimited	15mm TGH HS	17.52mm LAM	Spigot	1400mm [^]
Standoff	Unlimited	Unlimited	15mm TGH HS	15.04mm LAM	38mm / 50mm Standoff	1400mm [^]
Versatilt	Unlimited	Unlimited	15mm TGH HS	15.04mm LAM	Channel	1400mm [^]
Versatilt HD	Unlimited	Unlimited	17.52mm LAM	17.52mm LAM	Channel	1400mm [^]
Australis	Unlimited	Unlimited	10mm TGH HS	11.52mm LAM	Post	Various- Refer Engineering
Australis PLUS	Unlimited	Unlimited	10mm TGH HS	11.52mm LAM	Post	Various- Refer Engineering

[^] Systems where handrails are not fixed have a maximum end panel width. Refer to Engineering Drawings.

How to Choose the Right System:

Height - < 5m or up to 10m installation.

Glass Thickness - 10mm, 12mm, 15mm or Laminated.

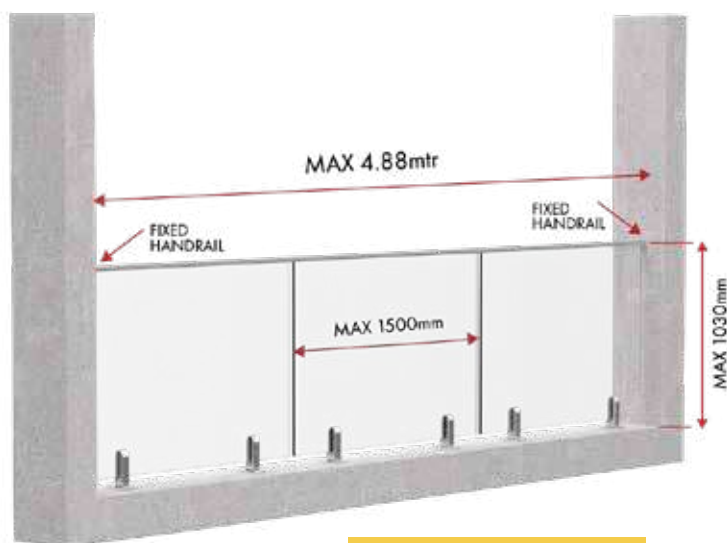
Handrail Type - Fixed or standalone.

Wind Region & Terrain Category - Engineering tables provide the right solution.

IMPORTANT: Installation **MUST** adhere to the engineering specification drawing

Tested and compliant solutions

12mm Solutions SPIGOTS



CONFIGURATION

TYPE:	Top Rail Fixed
SPIGOT:	Madrid (STD) Spigot
GLASS:	12mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	4.88mtrs
MAX PANEL WIDTH:	1500mm
MAX PANEL HEIGHT:	970mm (Max 1030mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

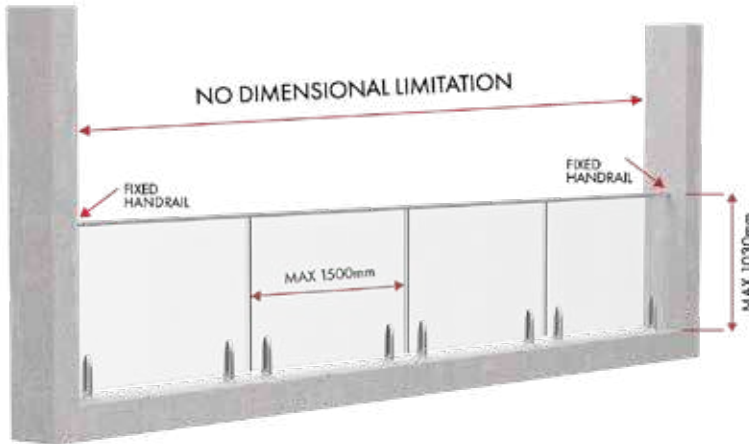
* > 5.0mtr to 10mtr requires Laminated Glass

REFERENCE CODE:
TYPE A-1

USE THE REFERENCE
CODES FOR EASY
IDENTIFICATION
WHEN CONTACTING
OUR TEAM.

Tested and compliant solutions

12mm Solutions SPIGOTS



REFERENCE CODE:
TYPE A-2

CONFIGURATION

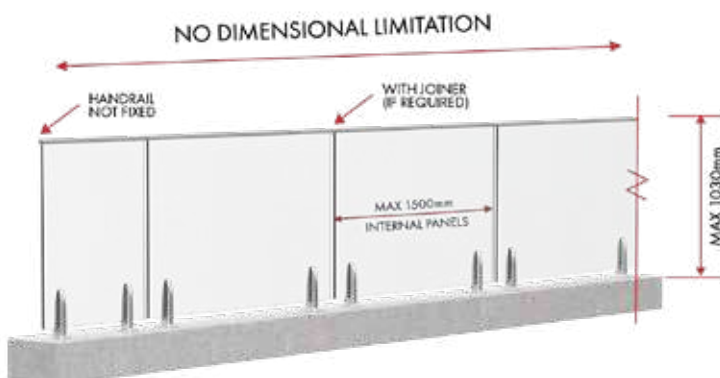
TYPE:	Top Rail Fixed
SPIGOT:	Nova Spigot
GLASS:	12mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1500mm
MAX PANEL HEIGHT:	970mm (Max 1030mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

12mm Solutions SPIGOTS



REFERENCE CODE:
TYPE B-1

CONFIGURATION

TYPE:	Stand Alone
SPIGOT:	Nova Spigot
GLASS:	12mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1500mm ¹
MAX PANEL HEIGHT:	970mm (Max 1030mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

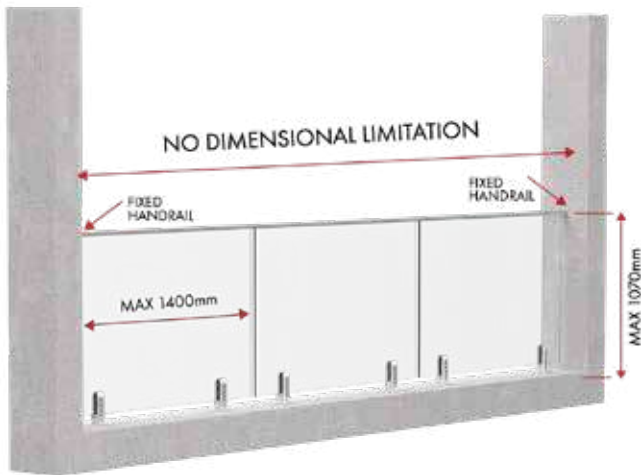
* > 5.0mtr to 10mtr requires Laminated Glass

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail (STD) HANDRAIL = 580mm Panel[^]
[^]100mm spacing between glass panels

Tested and compliant solutions

15mm Solutions SPIGOTS

Madrid Deluxe is
also compliant
with 17.52mm
laminated glass



REFERENCE CODE:
TYPE C-1

CONFIGURATION

TYPE:	Handrail Fixed
SPIGOT:	Madrid Deluxe Spigot
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

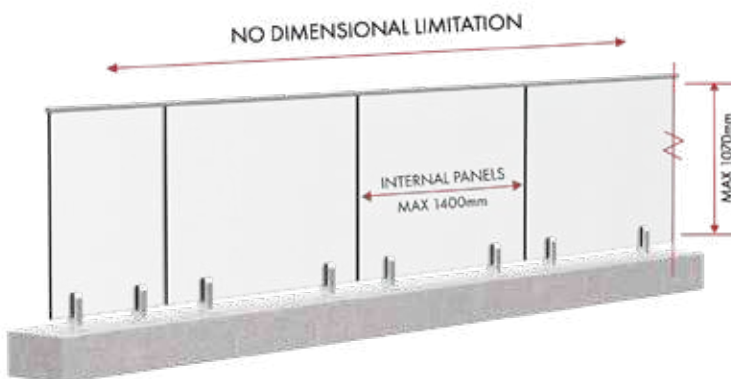
SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1500mm
MAX PANEL HEIGHT:	1000mm (Max 1070mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

15mm Solutions SPIGOTS

Madrid Deluxe is
also compliant
with 17.52mm
laminated glass



REFERENCE CODE:
TYPE C-2

CONFIGURATION

TYPE:	Stand Alone
SPIGOT:	Madrid Deluxe Spigot
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1400mm ¹
MAX PANEL HEIGHT:	1000mm (Max 1070mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

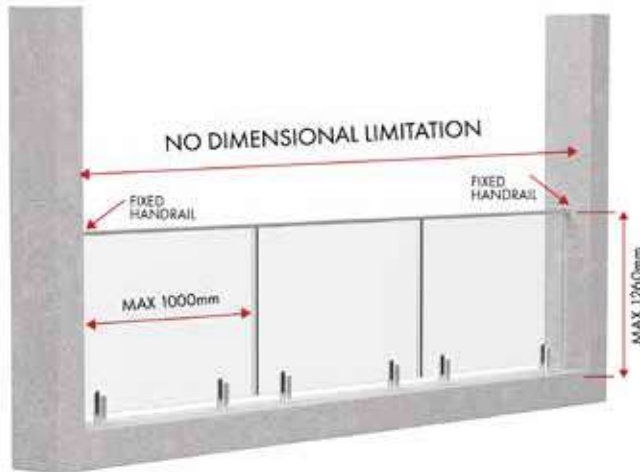
* > 5.0mtr to 10mtr requires Laminated Glass

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail Deluxe HANDRAIL = 740mm Panel[^]
[^]100mm spacing between glass panels

Tested and compliant solutions

15mm Solutions SPIGOTS

Madrid Deluxe is
also compliant
with 17.52mm
laminated glass



REFERENCE CODE:
TYPE C-1P

Pool & Balustrade Compliant

CONFIGURATION

TYPE:	Handrail Fixed
SPIGOT:	Madrid Deluxe Spigot
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

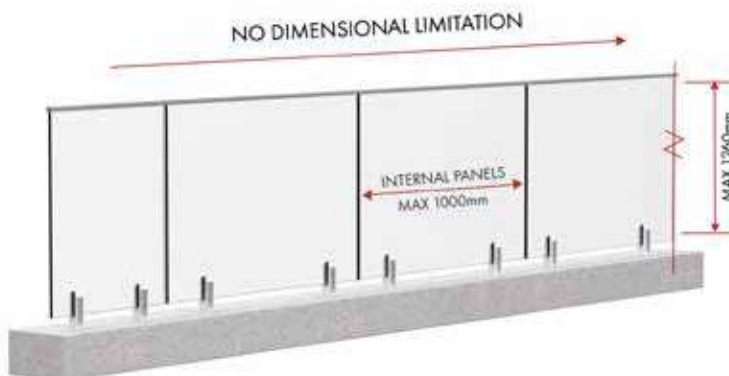
SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1000mm
MAX PANEL HEIGHT:	1200mm (Max 1260mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

15mm Solutions SPIGOTS

Madrid Deluxe is
also compliant
with 17.52mm
laminated glass



REFERENCE CODE:
TYPE C-2P

Pool & Balustrade Compliant

CONFIGURATION

TYPE:	Stand Alone
SPIGOT:	Madrid Deluxe Spigot
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

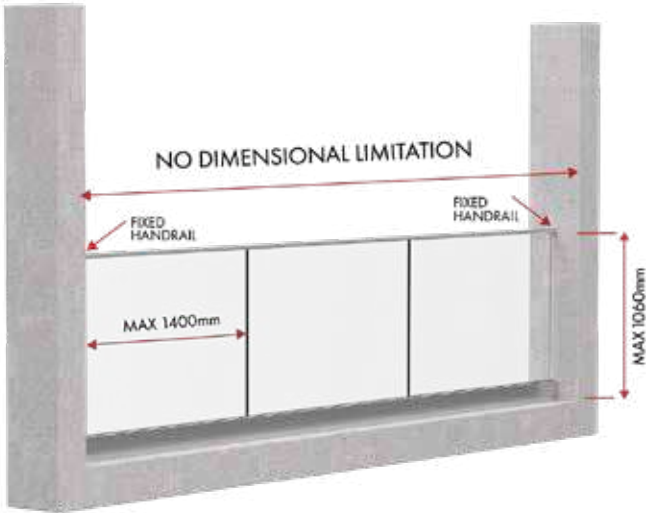
MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1000mm ¹
MAX PANEL HEIGHT:	1200mm (Max 1260mm AFL)
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail Deluxe HANDRAIL = 740mm Panel[^]
[^]100mm spacing between glass panels

Tested and compliant solutions

15mm Solutions VERSATILT



REFERENCE CODE:
TYPE D-1

CONFIGURATION

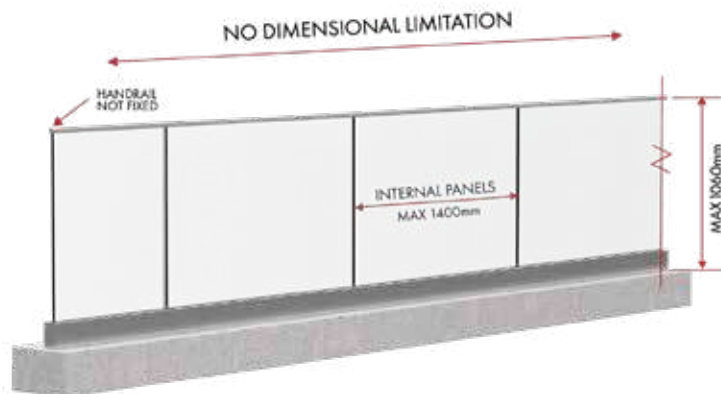
TYPE:	Handrail Fixed
RANGE:	Versatilt Standard
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1400mm
MAX PANEL HEIGHT:	1000mm (Max 1060mm AFL)
WIND REGION:	A, B1, B2, C (Limited)
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

15mm Solutions VERSATILT



REFERENCE CODE:
TYPE D-2

CONFIGURATION

TYPE:	Stand Alone
RANGE:	Versatilt Standard
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

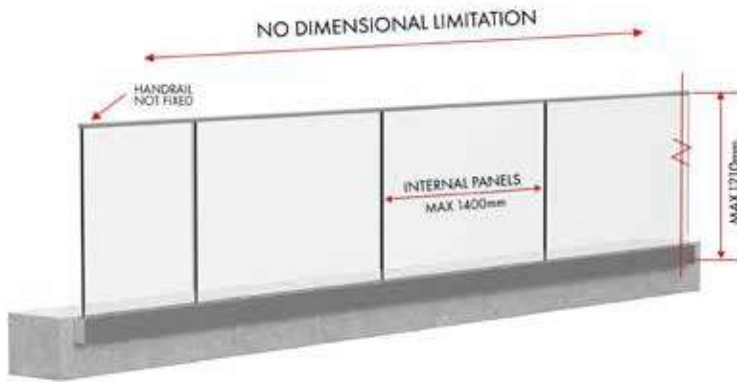
MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1400mm ¹
MAX PANEL HEIGHT:	1000mm (Max 1060mm AFL)
WIND REGION:	A, B1, B2, C (Limited)
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail Deluxe HANDRAIL = 740mm Panel[^]
[^]100mm spacing between glass panels

Tested and compliant solutions

15mm Solutions VERSATILT



REFERENCE CODE:
TYPE D-3

CONFIGURATION

TYPE:	Stand Alone
RANGE:	Versatilt Face Mount
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

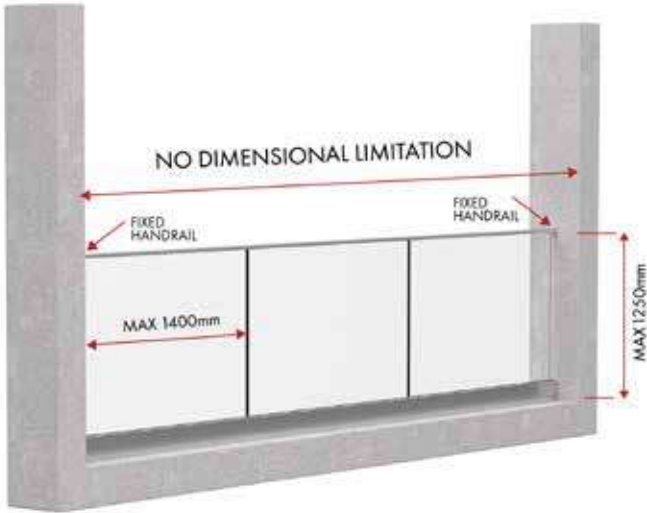
MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1400mm ¹
MAX PANEL HEIGHT:	1150mm
WIND REGION:	A, B1, B2, C (Limited)
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail Deluxe HANDRAIL = 740mm Panel[^]
[^]100mm spacing between glass panels

Tested and compliant solutions

17.52 & 21.52 mm Solutions VERSATILT HD



REFERENCE CODE:
TYPE E-1

CONFIGURATION

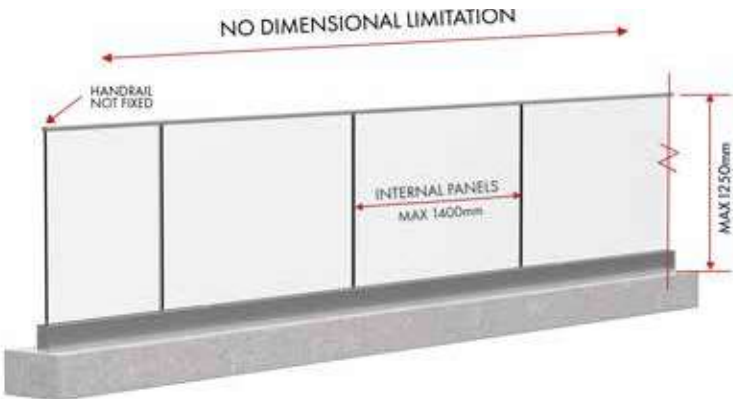
TYPE:	Handrail Fixed
RANGE:	Versatilt Heavy Duty
GLASS:	17.52mm Clear TGH Laminated + Heat Soaked 21.52mm Clear TGH Laminated + Heat Soaked
HAND RAIL:	Series 35
FIXING:	Concrete, Steel

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	1400mm
MAX PANEL HEIGHT:	1200mm (Max 1250mm AFL)
WIND REGION:	A, B1, B2, C (Limited)
INSTALL HEIGHT:	< 50.0mtrs*

* > 50.0 mtr suits certain applications only.
Refer to engineering information

17.52 & 21.52mm Solutions VERSATILT HD



REFERENCE CODE:
TYPE E-2

CONFIGURATION

TYPE:	Stand Alone
RANGE:	Versatilt Heavy Duty
GLASS:	17.52mm Clear TGH Laminated + Heat Soaked 21.52mm Clear TGH Laminated + Heat Soaked
HAND RAIL:	Series 35
FIXING:	Concrete, Steel

SPECIFICATIONS

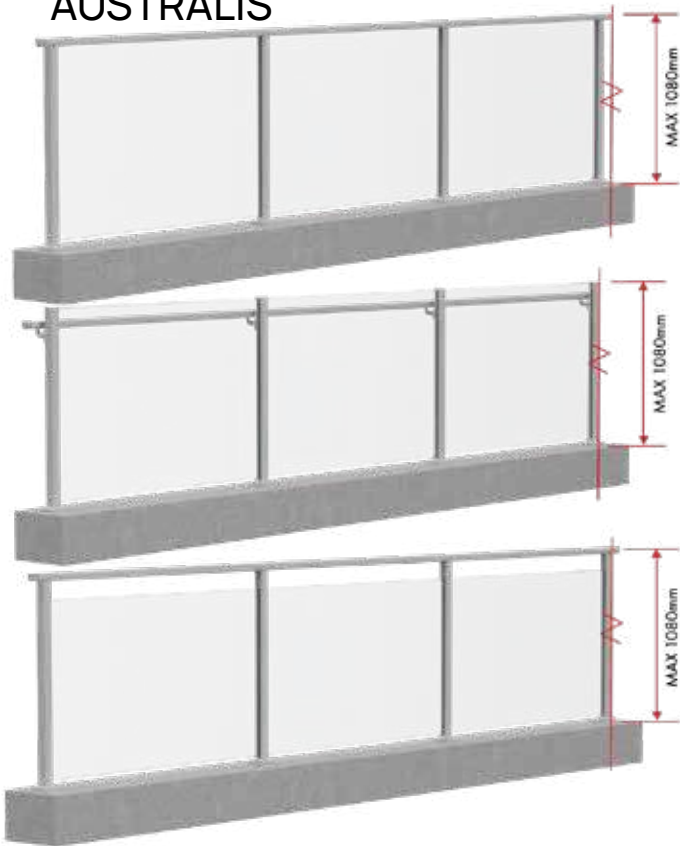
MAX PANEL WIDTH:	1400mm ¹
MAX PANEL HEIGHT:	1200mm (Max 1250mm AFL)
WIND REGION:	A, B1, B2, C (Limited)
INSTALL HEIGHT:	< 50.0mtrs*

* > 50.0 mtr suits certain applications only.
Refer to engineering information

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel ^
^100mm spacing between glass panels

Tested and compliant solutions

10mm & 12mm Solutions AUSTRALIS



CONFIGURATION

TYPE:	Stand Alone
RANGE:	Australis Standard
GLASS:	10mm Clear TGH + Heat Soaked 12mm Clear TGH + Heat Soaked
HAND RAIL:	Australis Rectangular / Oval Top Glaze / Australis Off-Set
FIXING:	Steel, Concrete, Wood

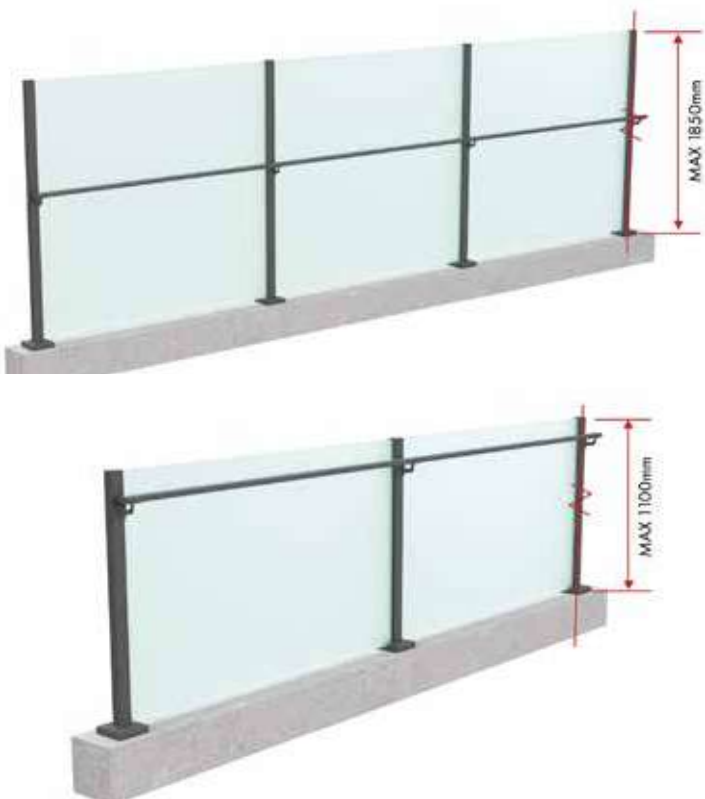
SPECIFICATIONS

MAX PANEL WIDTH:	Various
MAX PANEL HEIGHT:	Various (Max 1080mm AFL)
WIND REGION:	A, B1
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 25mtr requires Laminated Glass

REFERENCE CODE:
TYPE F-1

10mm & 12mm Solutions AUSTRALIS PLUS



CONFIGURATION

TYPE:	Stand Alone
RANGE:	Australis PLUS
GLASS:	10mm Clear TGH + Heat Soaked 12mm Clear TGH + Heat Soaked
HAND RAIL:	Australis Rectangular / Oval Top Glaze / Australis Off-Set
FIXING:	Concrete

SPECIFICATIONS

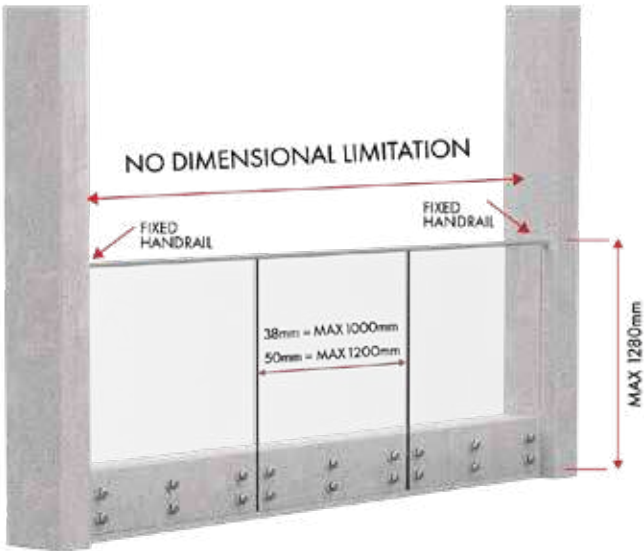
MAX PANEL WIDTH:	Various
MAX PANEL HEIGHT:	Various (Max 1850mm AFL in certain applications)
WIND REGION:	1100mm high barrier: A, B1, B2, C 1700 & 1850mm high barrier: A
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr requires Laminated Glass

REFERENCE CODE:
TYPE G-1

Tested and compliant solutions

15mm Solutions STANDOFFS



CONFIGURATION

TYPE:	Handrail Fixed
RANGE:	Point Fixed Standoff
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

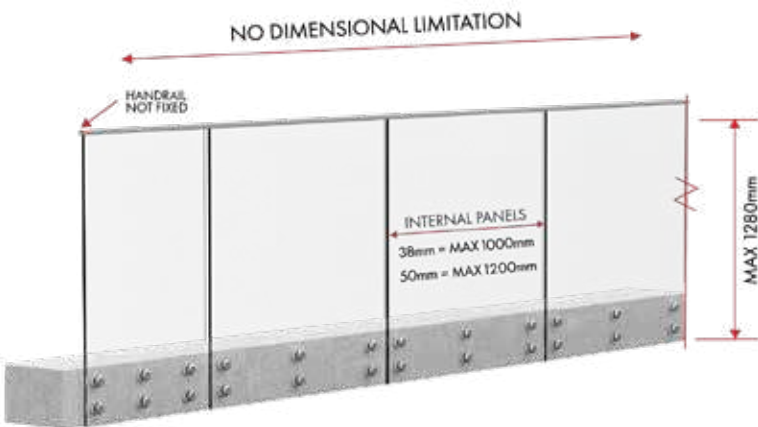
SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	38mm Standoff = 1000mm 50mm Standoff = 1200mm
MAX PANEL HEIGHT:	1280mm
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

REFERENCE CODE:
TYPE H-1

15mm Solutions STANDOFFS



CONFIGURATION

TYPE:	Stand Alone
RANGE:	Point Fixed Standoff
GLASS:	15mm Clear TGH + Heat Soaked
HAND RAIL:	Nanorail Deluxe / 35 Series
FIXING:	Steel, Concrete, Wood

SPECIFICATIONS

MAX SPAN:	No Dimensional Limit
MAX PANEL WIDTH:	38mm Standoff = 1000mm ¹ 50mm Standoff = 1200mm ¹
MAX PANEL HEIGHT:	1280mm
WIND REGION:	A, B1, B2
INSTALL HEIGHT:	< 5.0mtrs*

* > 5.0mtr to 10mtr requires Laminated Glass

REFERENCE CODE:
TYPE H-2

¹END PANELS MAXIMUM SPAN:
35mm HANDRAIL = 940mm Panel[^]
Nanorail Deluxe HANDRAIL = 740mm Panel[^]
[^]100mm spacing between glass panels

NOTES



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We aim to provide fast delivery every time by utilising multiple distribution centres across the country with dedicated delivery trucks.

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Queensland

BRISBANE

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Warehouse opening hours:

Mon-Fri: 7am-3pm

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📞 **07 5594 0343**

✉️ salesgc@glassoutlet.com.au

📍 28 Barnett Place
Molendinar, QLD 4214

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IPSWICH

📞 **07 4333 1800**

✉️ salesips@glassoutlet.com.au

📍 Unit 2, 31 Access Place
Bundamba, QLD 4304

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YATALA

📞 **07 3445 4004**

✉️ sales@aluminiumoutlet.com.au

📍 4 Binary Street
Yatala, QLD 4207

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South Australia

ADELAIDE

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✉️ salesadl@glassoutlet.com.au

📍 490 Churchill Rd
Kilburn, SA 5084

Office & warehouse opening hours:

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Western Australia

PERTH

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📍 10A Marriott Rd
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Office & warehouse opening hours:

Mon-Fri: 7:30am-3:30pm

New South Wales

NEWCASTLE

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📍 9B Pennant Street
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📍 1/139 Studley Crt
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Mon-Fri: 7:30am-3:30pm

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📞 **03 9706 9886**

✉️ salesdan@glassoutlet.com.au

📍 15 Stephen Rd
Dandenong South, VIC 3175

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