**Experience**

**Service**

**Unique**

**Stylish**

**Metro Frameless Glass Systems** design and manufacture the highest quality stainless steel, brass and aluminium frameless glass fittings. From balustrades, to frameless sliding doors, to canopies, if you’re designing your bathroom, living space or outside area, these unique innovations are practical and stylish.

With many years experience, dedication to service and the highest quality products, there is only one name for all your frameless glass hardware needs, Metro Frameless Glass Systems.

*Hardware images shown in this brochure are not necessarily to scale.*
Frameless Glass Showers
Frameless Glass Fixings
Frameless Glass Pivot Doors
Frameless Glass Sliding Doors
Frameless Glass Folding Doors
Frameless Glass Stacking Doors
Frameless Glass Canopies
Frameless Glass Balustrade & Pool Fencing
Frameless Glass Pool Gates
Quality Heavyweight & Lightweight Frameless Glass Shower Components.

Consult with your Frameless Glass Shower Installer in the early stages of bathroom construction, as it is important that relevant trades understand the design requirements of a Frameless Glass Shower Screen. Including wall & floor levels, tap & shower head placement in relation to door position and whether to have a drop down into the shower area or a raised hob.
Custom Angles & Finishes Available

Brackets below also available in Round, Square & Button styles

Crest Heavyweight Hinges

Also available in Satin Chrome & Polished Gold
Crest Lightweight Hinges

CL1
CL1-L
CL2
CL2-135
CL2-BF

Pivot/Sliding Door Privacy Latches

MP65
MPL1
MPL2
CPL1 / CPL1-H
CPL2 / CPL2-H

Also available in Satin Chrome & Polished Gold

- OVERWEIGHT DOOR REQUIRING 3 X MF1-L HINGES

Crest Brackets

MBC90SF
MBC90-2
MBC90D
MBC180
MBC180D
MBC135
MBC135D

Also available in Satin Chrome & Polished Gold

- FIXED & SWING BATH SCREEN WITH MBR90 BKTS & MF2-BF BIFOLD HINGES
**Towel Rails** *(Glass & Wall Mounted)*

- MSTR1
- MDTR1
- MSTR2
- MDTR2
- MSTR3
- MDTR3
- MSTR4
- MDTR4
- MTRL1
- MTRL2

**Toilet Roll Holders** *(Glass & Wall Mounted)*

- MTRH1 also available in Satin Chrome & Polished Gold
- MTRH1
- MTRH2
- MTRH3
- MTRH4
- MTRH5
- MTRH6
- MTRH7
- MTRH8
- MTRH9

- MBR90 BKTS, DELTA HANDLE & MF2-135 HINGES

- CS15 CHANNEL, DELTA HANDLE & MF2 HINGES
Some waterseals available for 6 & 8mm glass
• CS15 CHANNEL, MF150 HANDLE & MF2 HINGES

**Knobs**

- MK20
- MK311
- MK401
- MK403
- MK60
- MKS25

Available in several finishes

**Handles**

- M150
- M250/300
- Delta MD250
- MS250/300/400/450/500
- SDFP70
- Curve210
- Wave210
- Fineline MF150
- Fineline MFS150

Some available in several finishes, lengths & materials

• FIXED & SWING BATH SCREEN WITH CS15 CHANNEL & MF2 HINGES

• CS15 CHANNEL, MF150 HANDLE & MF2 HINGES
Glass Corner Shelves

- RADIUS
  - GS150/200/250/300

- ANGLED
  - GSA200/250

- SOAP DISH
  - GSS200/250

GS200/250 & GSS200/250 also available in Ultra Clear

Glass Wall Shelves/Brackets

- CURVED
  - GSC500

- TAPERED
  - GST500

- STRAIGHT
  - GSL500

Some brackets available in various finishes

- MB10-B
  - Glass Mount Backplate

- MB10

- MBS10

- MB10-3

- MPASB20

▪ MBR90 / MBR135D BKTS, MS500 HANDLE AND MF2-135 HINGES

▪ SLIDING SHOWER SCREEN WITH SDFP70 FINGER PULLS
FRAMELESS GLASS FIXINGS

- Covered CSK Bushes & Setscrews
- Buttonhead & Thread
- Double Buttonhead & Thread
- Covered CSK Anchors
- Buttonhead Anchors
- Buttonhead & Lagscrew

Images of glass fixings and installations are shown.
Metro Frameless Glass Hardware is supplied for custom designed refurbishment and new developments. The seamless look of frameless glass will enhance any environment by adding extra light and a feeling of space.

Generally pivot doors operate on floorsprings which provide controlled closing and a 90 degree hold open option.

A variety of pivot hardware can be used from patch fittings, door rails, pivot poles, and spider pivots. All frameless glass assemblies should be manufactured from 10mm, 12mm or 15mm toughened safety glass.
**Pivot Poles & Connectors**

- MPP25
- MPP20
- MPP34
- MPP40
- MPP60
- MPP10

**Patch Fittings**

- **MPP34**
- **MPP25**
- **MPP20**
- **MPP40**
- **MPP60**

**445/4**

4 Way Glass

& Fin Connector

**446/4/90**

4 Way 90 degree

Glass Connector

**446/4**

4 Way Glass

& Fin Connector

**445/4**

4 Way Glass

& Fin Connector

**446/2**

2 Way Glass

Connector

**445/2**

2 Way Glass

& Fin Connector

**MP20**
Top Pivot Patch

**MP34**
Hilite Pivot Patch

**MP326-1**
Hilite Offset

Pivot Patch

**MP31-1**
Bottom Offset Patch

**GP90**
Wall/Ceiling Fixing

**MP10**
Bottom Pivot Patch

**GP84**
Two Panel Wall/Ceiling Fixing 08

**MP20**
Top Pivot Patch

**MP22**
COC Patch

**MP40**
Hilite/Sidelite Pivot Patch

**MP61**
Hilite/Sidelite Patch

**MP70**
Hilite Stop Patch

**MP312-1**
Top Offset Pivot Patch

**MP327-1**
Hilite/Sidelite Offset Pivot Patch

**MP10**
Top Pivot Patch

**MP31**
Bottom Pivot Patch

**MP40**
Hilite/Sidelite Pivot Patch

**MP60**
Hilite/Sidelite Patch

**MP70**
Hilite Stop Patch

Available in Several Finishes
**Electric Latches/Strikes**

- **MES8070**
  Electric Door Latch for 12mm Glass
- **MES1000**
  Electric Door Strike
- **MES145**
  Electric Door Latch for 12mm Glass
- **MES2002/2008**
  Multifunction Electric Door Strike
- **MDBP2655**
  Drop Bolt Keeper
- **MDBP2654**
  Electric Drop Bolt
- **MEML2600**
  Electromagnetic Lock
- **MEML2618**
  Glass Bracket

*Various other types available*

**Door Stops**

- **MP28**
  Glass Transom Mount Stop
- **MP32-1**
- **MP32-2**
- **MP32-2S**
- **MP32-3**
- **MP32-4**
- **MP32-5**

*Available in Several Finishes*
Some lever & patch locks are available in several variations & finishes

- DOUBLE PIVOT DOORS WITH PATCH FITTINGS / LOCKS, FIN ROOT BKTS, 445/4 SPIDERS, MD600 HANDLES & CS25 / 40 CHANNEL
Floor Springs / Bearings

Metro Floor Springs
100kg Capacity

GEZE TS500NV
150kg Capacity

MP26
Floor Bearing Pivot

MP25
Top Pivot

MP26 P5 & P10
Packers

MFX5,10,15, etc.

GES5, 8, etc.

Metro COC’s
100kg Capacity

GEZE TS550NV
300kg Capacity

MP24
Top Pivot

Some items available in other variations

• LOCKING DOOR RAILS, PATCH FITTINGS & FINELINE HANDLES

Pull Handles

MD300/500/600

MO300/450

MCS-300

MCR300

MFD300/450/500

MB450/600

Many other handle styles, variations, sizes and finishes available
Pull Handles

MFS600

A450/750

MSD450/600

218-ACE/1or2

MFC450/600

MF450/600/900/1200

218-AAF/1to21

M750/1250/1750 Icon Handle

Many other handle styles, variations, sizes and finishes available

- DOUBLE PIVOT DOORS WITH PATCH FITTINGS / LOCKS, SQUARE FINELINE HANDLES & CS25 / 40 CHANNEL
From Geze Rollan 80 to Metro MF250 we have a sliding door system to suit almost any requirement. These various door systems can take weight ranging from 80kg to 250kg.
Geze Geolan
(135kg Capacity)

- Geolan - Close-Up of Track & Wheels
- Geolan - Ceiling Mounted for Wardrobe Doors
- Geolan - Wall Mounted with Double Doors & Fineline Handles
• LEVOLAN - WALL MOUNTED WITH FINELINE HANDLE

LEVOLAN - wall mounted with fineline handle
(150kg Capacity)
**MRS90 Bottom Sliding Doors**

MRS90 bottom sliding door system with maximum door weight of 180kgs. All of the load is carried on the floor not the lintel. The bottom track is solid brass. The rail finish is natural anodised, stainless steel or powder coated and the bottom rail can have a lock incorporated into it.

**MF250 Top Hung Sliding Doors**

The MF250 is ideally suited for extra large manual sliding doors. Maximum door weight is 250kg per door panel. The load is carried at the head so the head which will need to be specifically designed to take this weight. The system can be designed to accommodate single doors, double doors or multiple doors.
This is possibly the most interesting manual frameless sliding door hardware available today designed for panels up to 250kg in weight.

The bottom roller wheels are fitted directly through the glass. The stainless steel wheels have a black acetal tyre so the operation on the aluminium track is smooth and silent.

All of the weight is on the floor so the transom does not need to be constructed to carry the full weight of the door as is the case for top hung manual sliding doors.

153mm Ø or 100mm Ø stainless steel wheels.
Suits 10mm and 12mm glass.
Recessed or exposed head channel guide.
Aluminium floor track.

* REQUEST AN EMAIL VERSION OF THE 3D ANIMATION *

Creative technical intelligence
An effective room divider

Maximum door height 2700mm.
Maximum door width 900mm.
Glass Type 10mm toughened.
Can be locked with a slide bolt or key turn.
Suitable for room dividers, meeting rooms, pantry doors, wardrobe doors & servery windows.
All components are corrosion resistant and satin silver finish.
The hanger wheels are fitted with double sealed precision stainless steel bearings to ensure a long life and smooth operation.

* REQUEST AN EMAIL VERSION OF THE 3D ANIMATION *
Geze develops, manufactures and supplies manual sliding wall (MSW) systems as transparent room dividers using 10mm or 12mm toughened glass movable elements.
Frameless glass canopies can be achieved using a variety of support systems ranging from stainless steel rod systems with profiled stainless steel glass fittings to spider fitting canopies to standard disc anchor systems.

All systems can be designed for commercial or residential applications. Used in conjunction with heavyweight toughened glass.
Our various balustrade and pool fence systems will showcase exceptional views and extraordinary landscaping.

Please enquire with your glazier regarding the best system to suit your requirements.

Frameless Glass Balustrade and Pool Fencing

Most unobtrusive due to their slim profile of 160mm H by 16mm W. Spaced at 700mm to 1000mm centres depending on application. Simple installation—no holes required in the glass. Allows both horizontal and vertical adjustment. Available in side fixed and base fixed options. Tested to AS/NZS1170 Occupancy A.

Nautech Strut Post

▪ BASE FIXED NAUTECH STRUT POST

▪ SIDE FIXED NAUTECH STRUT POST
- CBS250M SURFACE MOUNTED SPIGOTS
- CBS250 GROUTED SPIGOTS & DRESS RINGS ON STAIRS
- FBI SPIGOTS GROUTED WITH DRESS RINGS
- FBI SPIGOTS GROUTED INTO CONCRETE SLAB BELOW TIMBER DECK
- AGA STUB POSTS SURFACE MOUNTED & GROUTED
- CBS250 GROUTED SPIGOTS
BA12/BA130
Mechanical
Base/Side Fix
Balustrade System

Fully adjustable for glass alignment.
Easy re-adjustment if deck moves.
Grout free installation.
All fixings concealed.
Time saving one stage installation.
Standard 20 micron natural anodised & powder coated finishes available.
Timber, concrete or steel installation.
Base fixing allows for installation inside the deck.
Base fixing covers can be slotted to allow drainage.
Non toe hold design.
Designed for use with 12mm and 15mm toughened glass

Ideal for all situations

* REQUEST AN EMAIL VERSION OF THE 3D ANIMATION *
MB50 Anchors and Square Covers

This is a proprietary system using 50mm diameter 316SSS anchors. The standard anchors have a 30mm long body which helps with water drainage and cleaning. Anchor fixed balustrades are suitable for external decks and stairs as well as internal landings and stairs. They can be fixed directly to concrete, timber and steel and fixing details are available on request for each structure type. The disc fittings are generally positioned at 300-400mm centres horizontally and 100mm vertically apart. Producer Statements can be provided.
**Balustrade Anchors & Handrail Bkts**

- MB50/S/6
- MS50/S/6
- AG100W30
- MB100/S/T30
- GSBH-50x30
- MGA38/50x30
- MB50/R/T30
- TP50W30
- MHB1
- HB50/R/90°
- 443/2/HR
- HR-R50D
- HB50/S/90°
- HR-R50SD

Some of the above available with various body lengths

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**PF150 Double Anchor System**

- PF150 (Single Pivot Fixing)
- PF150 (Double Pivot Fixing)

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*Balustrade with PF150 Double Anchors & HB50/S/90 Handrail Bkts*
MB100 SINGLE DISC ANCHORS

The 100mm diameter 316SSS disc anchor is designed for positioning in one single row.

For installation onto timber, steel or concrete decks or stairs.

The anchors are fixed at 300-400mm centres with M12 threaded rods. A 30mm thick spacer separates the glass from the structure for water flow and cleaning.
Balustrade Post & Handrail Fittings

- Channel Handrails
- Handrail Joiners
- Handrail Post Brackets
- Handrail End Caps
- Double/Single Recessed Tube
- Balustrade Posts
- Adjustable Post Handrail Brackets
- Adjustable Tube Bends
- Tube Joiners
- Post Side Mounts
- Handrail Wall Bracket

Most available in satin & polished finishes

Some available in other styles & configurations
MFGS pool gate hardware has been designed to comply with pool fencing requirements. Gates are designed to be self closing and self latching.

MFGS provide three system options for frameless pool gates:

1. Metro Elite Floorspring method which is ideally suited to a concrete/tile or timber deck.
2. Biloba Hydraulic Hinges are unique as they are self closing, with adjustable closing speed.
3. The economical Slimline range of sprung hinges and latches.

Available in Satin & Polished Stainless Steel Finish or similar, also some in Natural Anodised.
Your local approved glass company is:

Unit 13/205 Port Hacking Road
Miranda NSW 2228
P 02 9522 3983
F 02 9522 4102
E customer.service@mfgs.com.au
W www.mfgs.com.au