![INAL® GLASS SYSTEMS & ACCESSORIES]

FLEXIBLE GLASS DOORS

INnovationAL Solutions

We Design and Produce
Business Solutions

At INTERMETAL S.A. we have the ability and capacity to undertake the most demanding projects made of glass and steel.

Our twenty seven years depth expertise and dedication in the design, manufacture and trade of glass systems and accessories, allowed us to develop a knowledge that is highly respected in our sector.

The challenges of modern glass constructions, give us the motivation to constantly improve our products and services beyond our customers' expectations.

The customer orientation and our philosophy ensure our clients' satisfaction, providing superior quality products, on time.

INAL®
GLASS SYSTEMS & ACCESSORIES

index

PR-200

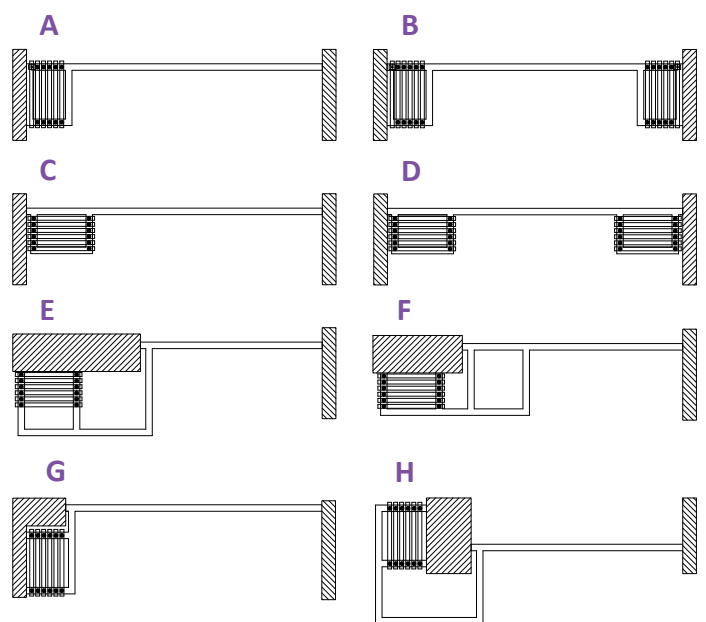# flexible glass door with heavy duty rail

INAL® Frameless Movable Glass System, parking-type, with heavy duty certified aluminum rail 70 mm x 80 mm with **embedded stainless steel rod** & **certified stainless steel rollers**. Unlimited design possibilities for parking areas (vertical, diagonal or parallel parkings). Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (PR200/ SOC). Weather proofing along the entire length of the panel (PR-F200). Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.

Available in Do It Yourself (DIY) or Made to measure upon request.
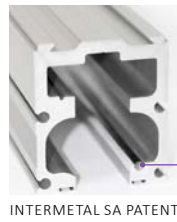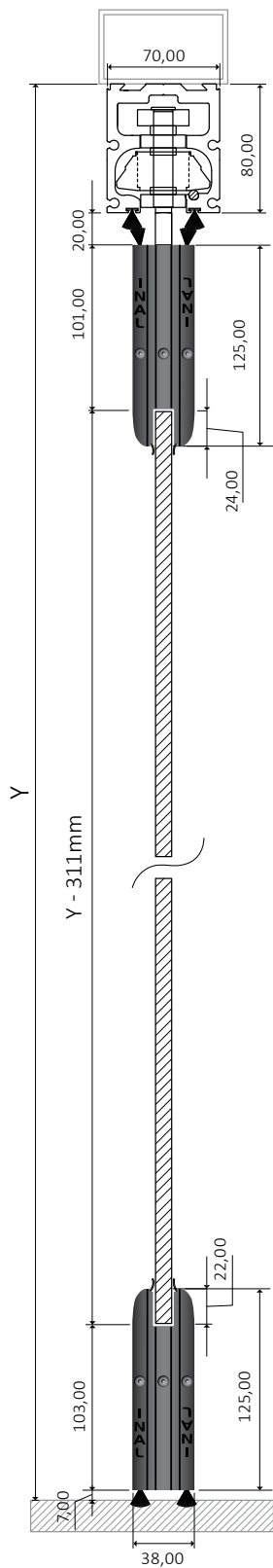
technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10-12mm
Panel weight	max 120kg
Maximum panel width	1,00m
Maximum opening height	3,50m
Type of PR-200 System	PR-F200 (Front Locking)
	PR-S200 (Side Locking)
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/PARKING APPLICATIONS

A   B

C   D

E   F

G   H

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

INAL®
GLASS SYSTEMS & ACCESSORIES

70,00

80,00

20,00

101,00

125,00

24,00

Y

Y - 311mm

22,00

103,00

125,00

7,00

38,00

Heavy duty aluminum rail 70x80 with embedded stainless steel rod
STRENGTH TEST: 3.450kgr (165/049.01-1 N.T.U.A.).

INTERMETAL SA PATENT

Stainless steel roller PR200 with clamp support.
STRENGTH TEST: 4.600kgr (165/049.01-2 N.T.U.A.).

Parking Area
Big variety of parking areas for the storage of the panels

PR200/SOC Panel
Swing- Sliding door panel with overhead concealed door closer in intermediate sections of openings (PR200/ SOC).

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock Mechanism with Eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

SIDE LOCKING

Side Cap with Stainless Bolt

Female Side Cap PR-S200

GLASS **(TEMPERED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 311mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

GLASS **(LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 304mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

PR-200/R76

flexible glass door with heavy duty rail

PARKING SYSTEM

INAL® Frameless Movable Glass System, parking-type, with heavy duty certified aluminum rail 55mm x 76mm with **embedded stainless steel rod** & **certified stainless steel rollers**. PR-200/R76 System is the proposition for easily self guided storage of the flexible glass panels. Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (PR200/R76SOC). Weather proofing along the entire length of the panel. Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.
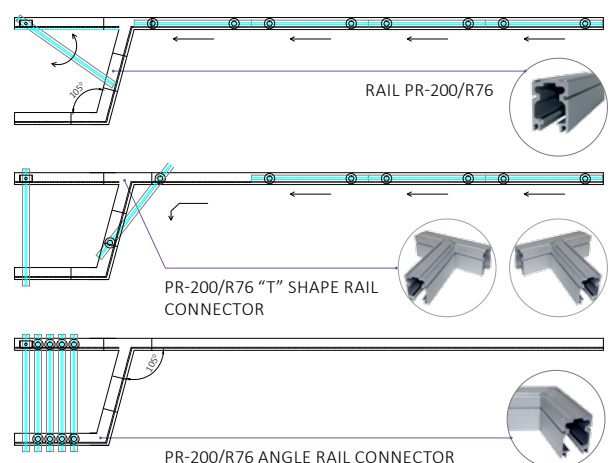
Available in Do It Yourself (DIY) or Made to measure upon request.
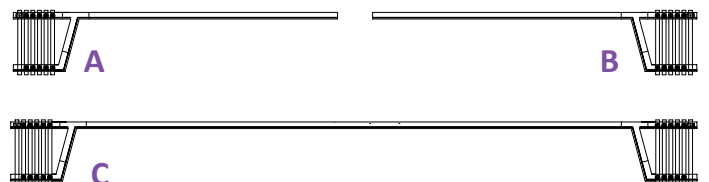
technical specifications

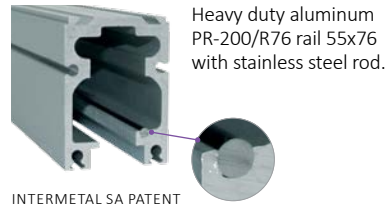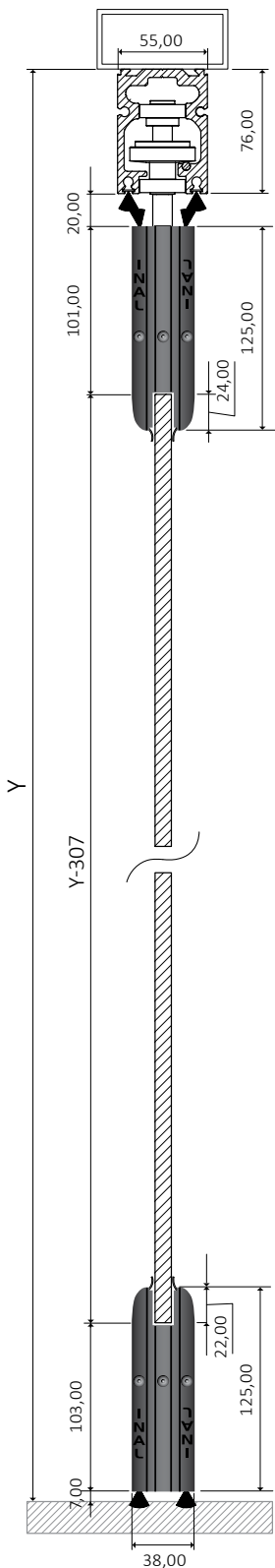| Glass Type	Tempered or Laminated
Glass thickness	10-12mm
Panel weight	max 120kg
Maximum panel width	1,00m
Maximum opening height	3,50m
Type of PR-200/R76 System	PR-F200/R76 (Front Locking)
	PR-S200/R76 (Side Locking)
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**PARKING** AREA
EASILY SELF GUIDED STORAGE OF THE FLEXIBLE GLASS PANELS

RAIL PR-200/R76

PR-200/R76 "T" SHAPE RAIL CONNECTOR

PR-200/R76 ANGLE RAIL CONNECTOR

PARKING APPLICATIONS

A
B
C

INAL®
GLASS SYSTEMS & ACCESSORIES

Heavy duty aluminum PR-200/R76 rail 55x76 with stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller for diversion movement, with clamp support.

Stainless steel roller for straight movement, with clamp support.

Parking Area
Easily self guided storage of the flexible glass panels.

PR200/R76SOC Panel
Swing- Sliding door panel with overhead concealed door closer in intermediate sections of openings (PR200/R76SOC).

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock Mechanism with Eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

SIDE LOCKING

Side Cap with Stainless Bolt

Female Side Cap PR-S200

GLASS **(TEMPERED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 307mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

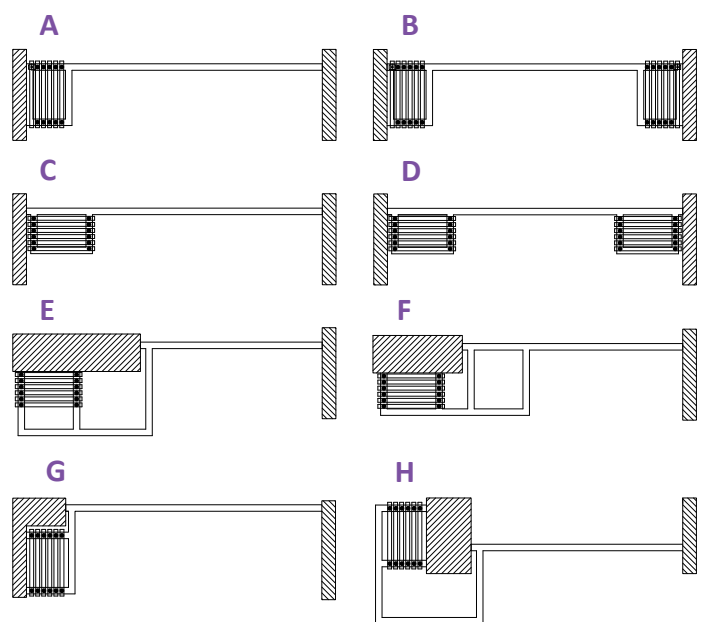| GLASS **(LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 300mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

PR-150

flexible glass door with parking

INAL® Frameless Movable Glass System, parking-type, with middle size aluminum rail, 52 mm x 59 mm with **embedded stainless steel rod** & **stainless steel rollers**. Unlimited design possibilities for parking areas (vertical, diagonal or parallel parkings). Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (PR150/ SOC). Weather proofing along the entire length of the panel (PR-F150). Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.

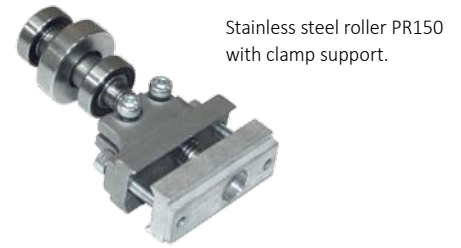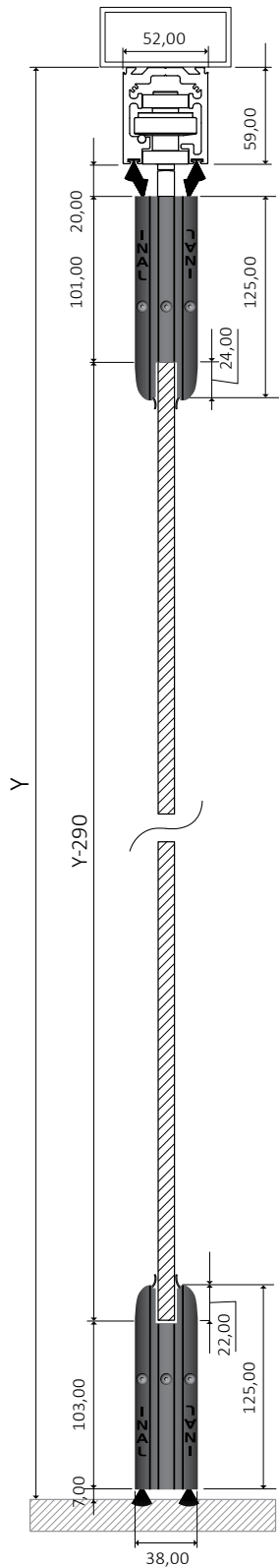Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10mm
Panel weight	max 85kg
Maximum panel width	1,00m
Maximum opening height	2,80m
Type of PR-150 System	PR-F150 (Front Locking)
	PR-S150 (Side Locking)
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/PARKING APPLICATIONS

A

B

C

D

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H

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

INAL®
GLASS SYSTEMS & ACCESSORIES

Aluminum middle size rail 52x59 with embedded stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller PR150 with clamp support.

Swing door with floor spring upon request.

Polycarbonate or PVC weather proofing profiles between the glass, in the whole panel length.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock Mechanism with Eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

SIDE LOCKING

Side Cap with Stainless Bolt

Female Side Cap PR-S200

GLASS (TEMPERED) DIMENSION CALCULATION	
Glass height (mm) = **Y – 290mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

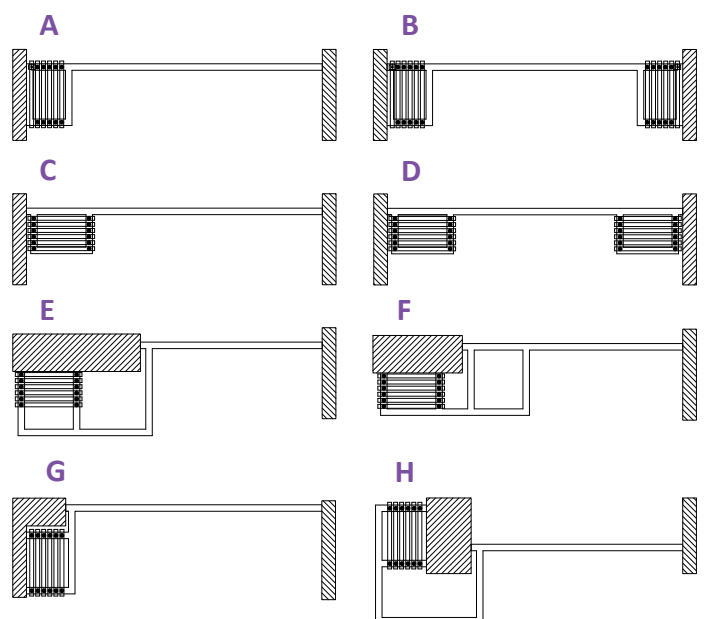| GLASS (LAMINATED) DIMENSION CALCULATION	
Glass height (mm) = **Y – 283mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

PR-125

flexible glass door with parking

INAL® Frameless Movable Glass System, parking-type, with upper 70 mm and lower 125 mm aluminum profile. Aluminum middle size rail, 52 mm x 59 mm with **embedded stainless steel rod** & **stainless steel rollers**. Unlimited design possibilities for parking areas (vertical, diagonal or parallel parkings). Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (PR150/ SOC). Weather proofing along the entire length of the panel (PR-F125). Locking with Stainless steel front or side bolts or locking with double locking lock mechanism. Available in Do It Yourself (DIY) or Made to measure upon request.
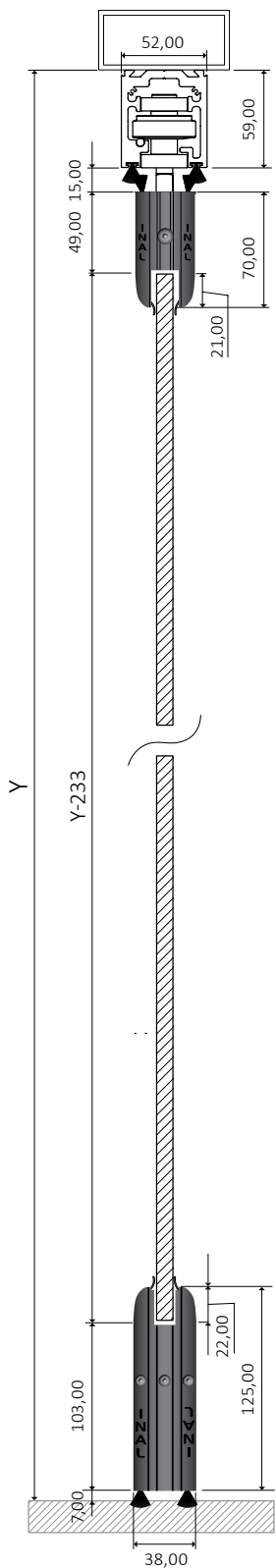
technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10mm
Panel weight	max 80kg
Maximum panel width	0,95m
Maximum opening height	2,80m
Type of PR-125 System	PR-F125 (Front Locking)
	PR-S125 (Side Locking)
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**PARKING** APPLICATIONS

A   B

C   D

E   F

G   H

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

Aluminum middle size rail 52x59 with embedded stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller PR100 with clamp support.

Weather proofing brush between top rail and top profile & between bottom profile and the floor.

Top profile 70mm, bottom profile 125mm

Ability to join two openings in 90⁰ degrees angle, without a vertical column.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock Mechanism with Eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

SIDE LOCKING

Side Cap with Stainless Bolt

Female Side Cap PR-S200

GLASS (TEMPERED OR LAMINATED) DIMENSION CALCULATION

Glass height (mm) = **Y – 233mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 25mm]} / P.N.**	

PR-100

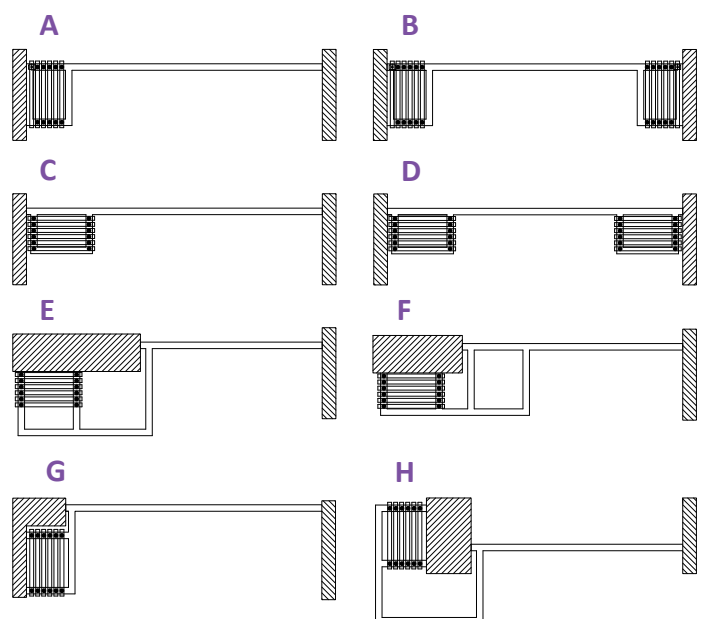# mini flexible glass door with parking

PARKING SYSTEM

INAL® Frameless Movable Glass System, parking-type, with middle size aluminum rail, 52 mm x 59 mm with **embedded stainless steel rod** & **stainless steel rollers**. Unlimited design possibilities for parking areas (vertical, diagonal or parallel parkings). Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (PR150/ SOC). Weather proofing along the entire length of the panel (PR-F100). Locking with Stainless steel front bolts or optional plastic front bolts. Available in Do It Yourself (DIY) or Made to measure upon request.
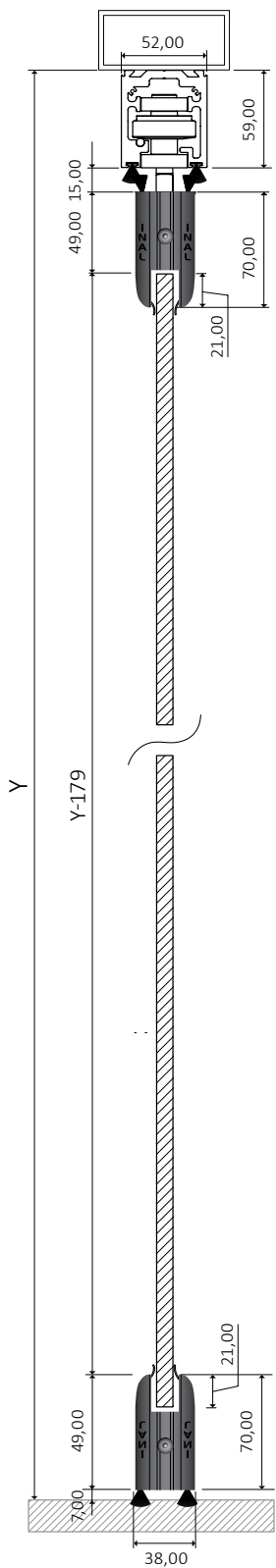
PANEL STORAGE/**PARKING** APPLICATIONS

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10mm
Panel weight	max 80kg
Maximum panel width	0,95m
Maximum opening height	2,80m
Type of PR-100 System	PR-F100 (Front Locking)
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

INAL®
GLASS SYSTEMS & ACCESSORIES

52,00

59,00

49,00 15,00

70,00

21,00

Y

Y-179

21,00

49,00

70,00

7,00

38,00

Aluminum middle size rail 52x59 with embedded stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller PR100 with clamp support.

Maximum view with the use of top and bottom aluminum profiles only 70mm.

Without floor guide. Only top rail.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Locking is achieved with the use of stainless bolt at the internal side of each panel.

Optional plastic bolt

Swing door with floor spring upon request.
Extra additional lock upon request.

GLASS (TEMPERED OR LAMINATED) DIMENSION CALCULATION

Glass height (mm) = **Y – 179mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 26mm]} / P.N.**	

PR86/R76

flexible glass door with parking

INAL® Frameless Movable Glass System, parking-type, with heavy duty certified aluminum rail 55mm x 76mm with **embedded stainless steel rod** & **certified stainless steel rollers**. Weather proofing along the entire length of the panel.

A minimal solution for a movable facade for café, restaurants, shops, hotels e.t.c., with easily self guided storage of the flexible glass panels. Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.
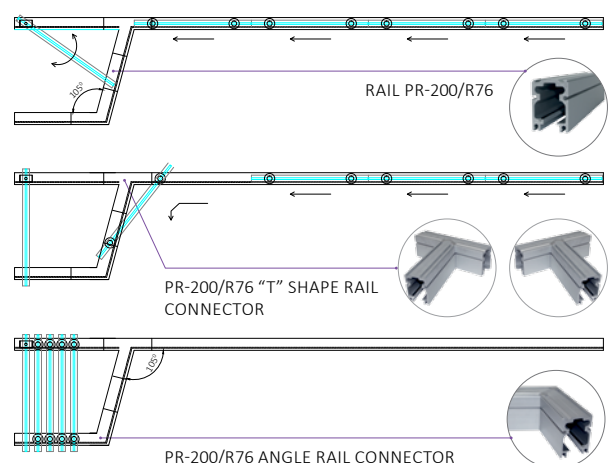
Available in Do It Yourself (DIY) or Made to measure upon request.
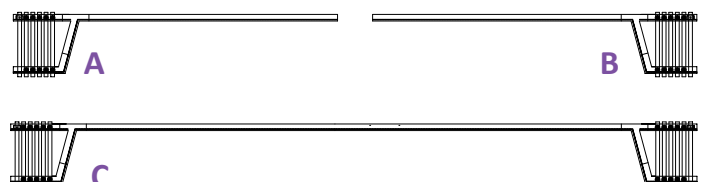
technical specifications

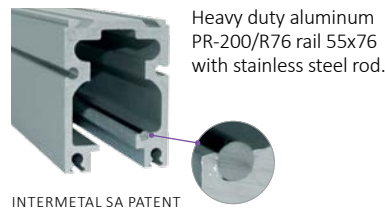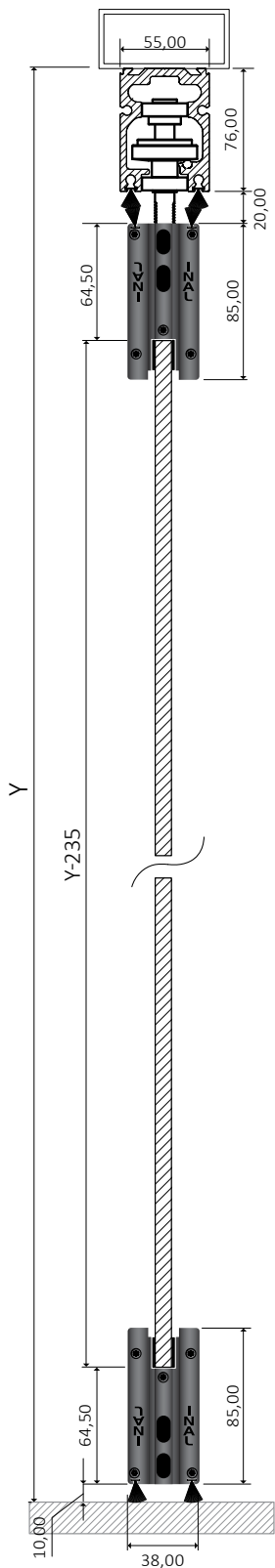| Glass Type	Tempered
Glass thickness	10mm
Panel weight	max 90kg
Maximum panel width	1,00m
Maximum opening height	3,00m
Type of PR86/R76 System	PRS86/R76 (Side Locking)
Finishing	Natural anodized, Satin anodized, Ral powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**PARKING** AREA
EASILY SELF GUIDED STORAGE OF THE FLEXIBLE GLASS PANELS

RAIL PR-200/R76

PR-200/R76 "T" SHAPE RAIL CONNECTOR

PR-200/R76 ANGLE RAIL CONNECTOR

PARKING APPLICATIONS

A

B

C

INAL®
GLASS SYSTEMS & ACCESSORIES

55,00

76,00

20,00

64,50

85,00

Y

Y-235

64,50

85,00

10,00

38,00

Heavy duty aluminum
PR-200/R76 rail 55x76
with stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller
for diversion movement,
with clamp support.

Stainless steel roller for straight
movement,
with clamp support.

Available in Do It Yourself
(DIY) kit boxes.

**NO FLOOR GUIDE
REQUIRED**

**NO GLASS CUTTINGS
REQUIRED**

A minimal solution for a movable
facade

locking options

FRONT LOCKING

Lock Mechanism
with Eurocylinder
Key 54mm

Lock Mechanism with
Half Cylinder with knob

Stainless steel Bolt

SIDE LOCKING

Side Cap with
Stainless Bolt
PR-86 Steel

Female
Side Cap
PR-86

GLASS (TEMPERED) DIMENSION CALCULATION

|	
Glass height (mm) = **Y – 235mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 4mm) + 27mm]} / P.N.**	

FRP-75

movable glass door with frame & parking

INAL® Framed Parking System FRP-75 with heavy duty certified aluminum rail 70 mm x 80 mm with **embedded stainless steel rod** & **certified stainless steel rollers**. Special designed aluminum profiles create a strong frame for a variety of glass such as tempered up to 12mm, laminated up to 6+6, double glazing with a total thickness of up to 18mm. High resistance female & male vertical profiles for the maximum weather proofing between framed panels in combination with adjustable side aluminum case profiles. Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (FRP75/SOC). Locking with eurocylinder or front bolts.

technical specifications

| Glass Type	Double glazing Tempered or Laminated
Glass thickness	max 18mm
Panel weight	max 100kg
Maximum panel width	1,00m
Maximum opening height	3,00m
Type of FRP-75 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**PARKING** APPLICATIONS

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

INAL®
GLASS SYSTEMS & ACCESSORIES
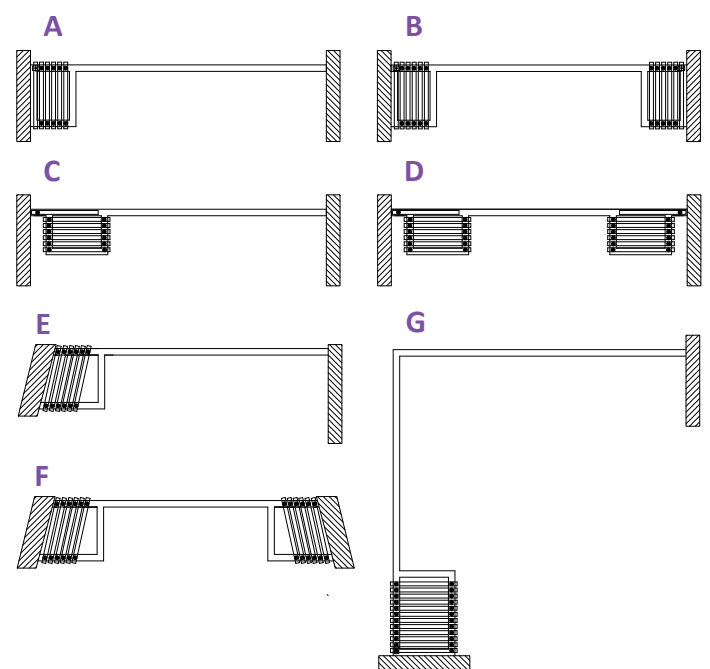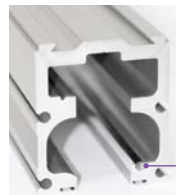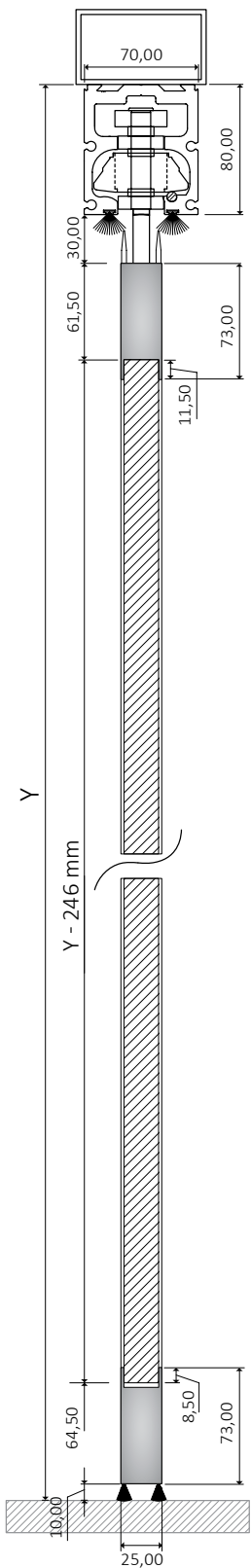
Heavy duty aluminum rail 70x80 with embedded stainless steel rod
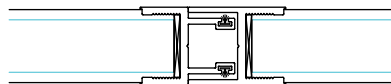**STRENGTH TEST:** 3.450kgr (165/049.01-1 N.T.U.A.).

INTERMETAL SA PATENT
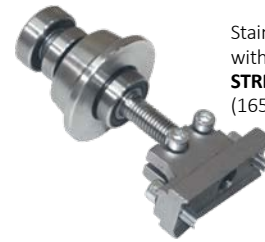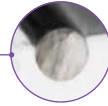
Stainless steel roller PR200 with frame support.
STRENGTH TEST: 4.600kgr (165/049.01-2 N.T.U.A.).

High resistance female & male vertical profiles for the maximum weather proofing between framed panels.

Stainless steel handle to the swing panel. upon request.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock mechanism with eurocylinder

Internal locking bolt.

With additional lock to the vertical profile.

GLASS (TEMPERED OR **LAMINATED** OR **DOUBLE GLAZING)** DIMENSION CALCULATION

Glass height (mm) = **Y – 246mm**, (Y = from the bottom of the steel beam)

FRP-75/R76

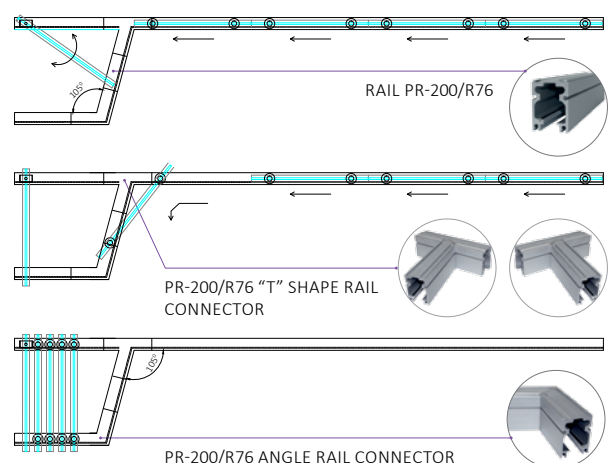# movable glass door with frame & parking

PARKING SYSTEM

INAL® Framed Parking System FRP-75/R76 with heavy duty certified aluminum rail 55 mm x 76 mm with **embedded stainless steel rod** & **certified stainless steel rollers**. Special designed aluminum profiles create a strong frame for a variety of glass such as tempered up to 12mm, laminated up to 6+6, double glazing with a total thickness of up to 18mm. High resistance female & male vertical profiles for the maximum weather proofing between framed panels in combination with adjustable side aluminum case profiles. Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (FRP75/R76 SOC). Locking with eurocylinder or front bolts.
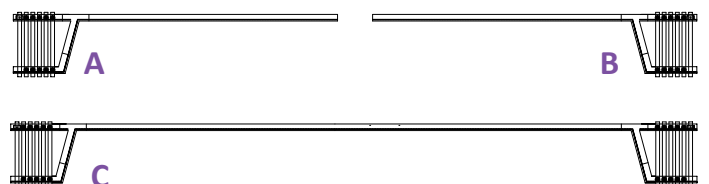
technical specifications

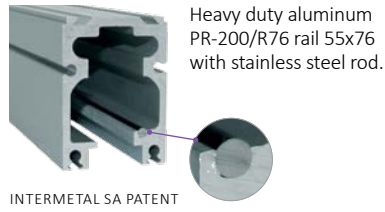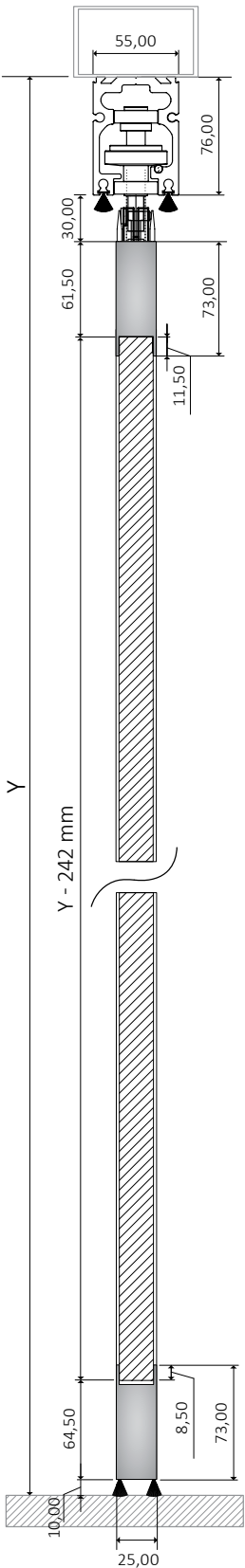| Glass Type	Double glazing Tempered or Laminated
Glass thickness	max 18mm
Panel weight	max 100kg
Maximum panel width	1,00m
Maximum opening height	3,00m
Type of FRP-75/R76 System	Front Locking
Finishing	Natural anodized,Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**PARKING** AREA
EASILY SELF GUIDED STORAGE OF THE FLEXIBLE GLASS PANELS

RAIL PR-200/R76

PR-200/R76 "T" SHAPE RAIL CONNECTOR

PR-200/R76 ANGLE RAIL CONNECTOR

PARKING APPLICATIONS

A

B

C

Heavy duty aluminum PR-200/R76 rail 55x76 with stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller for diversion movement, with frame support.

Stainless steel roller for straight movement, with frame support.

High resistance female & male vertical profiles for the maximum weather proofing between framed panels.

Handle to the swing panel, upon request.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock mechanism with eurocylinder

Internal locking bolt.

With additional lock to the vertical profile.

GLASS **(TEMPERED** OR **LAMINATED** OR **DOUBLE GLAZING)** DIMENSION CALCULATION
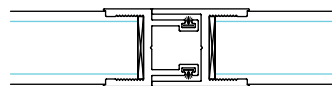
Glass height (mm) = **Y – 242mm**, (Y = from the bottom of the steel beam)

FRP-75/R60

movable glass door with frame & parking

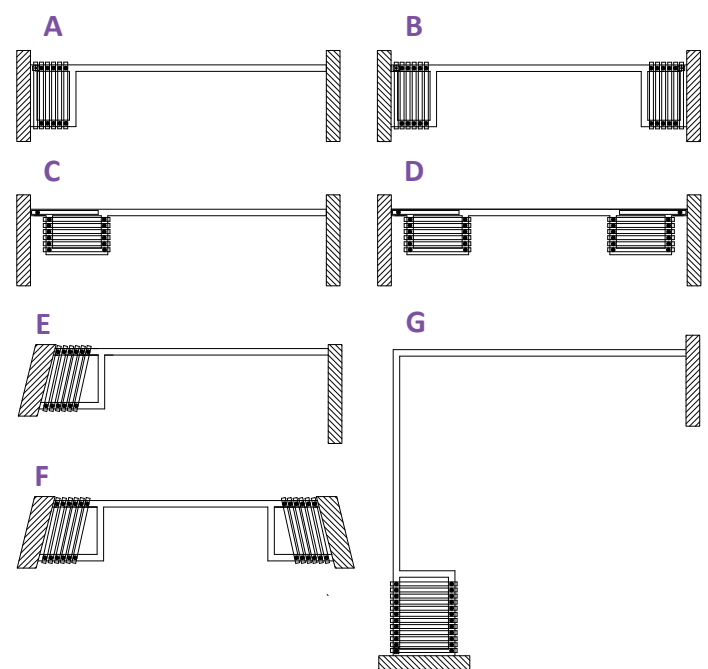INAL® Framed Parking System FRP-75/R60 with middle size aluminum rail, 52 mm x 59 mm with **embedded stainless steel rod** & **stainless steel rollers**. Special designed aluminum profiles create a strong frame for a variety of glass such as tempered up to 12mm, laminated up to 6+6, double glazing with a total thickness of up to 18mm. High resistance female & male vertical profiles for the maximum weather proofing between framed panels in combination with adjustable side aluminum case profiles. Ability to create swing door panel with overhead concealed door closer in intermediate sections of openings (FRP75/R60 SOC). Locking with eurocylinder or front bolts.

technical specifications

Glass Type	Double glazing Tempered or Laminated
Glass thickness	max 18mm
Panel weight	max 75kg
Maximum panel width	0,90m
Maximum opening height	2,80m
Type of FRP-75/R60 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/PARKING APPLICATIONS

MULTIPLE CHOICES DEPENDING ON YOUR NEEDS

INAL ®
GLASS SYSTEMS & ACCESSORIES

Aluminum middle size rail 52x59 with embedded stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller PR150 with frame support.

Parking area for the storage of the panels.

High resistance female & male vertical profiles for the maximum weather proofing between framed panels.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options

FRONT LOCKING

Lock mechanism with eurocylinder

Internal locking bolt.

With additional lock to the vertical profile.
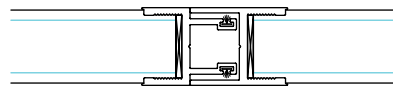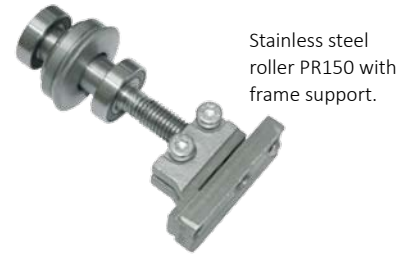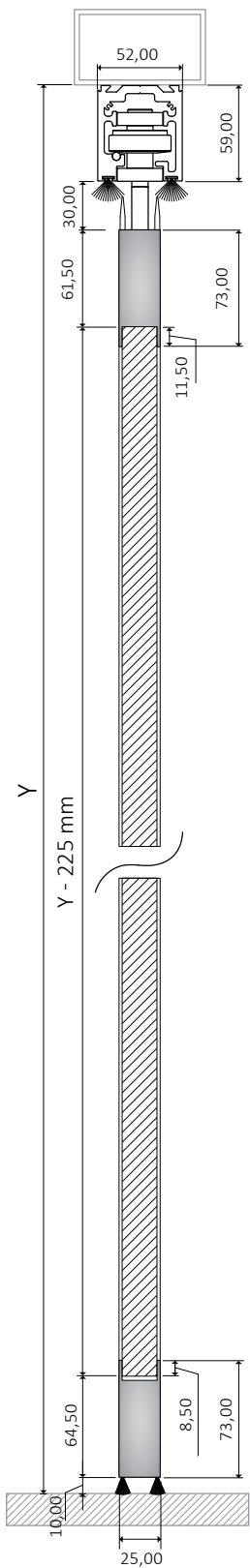
GLASS (TEMPERED OR **LAMINATED** OR **DOUBLE GLAZING)** DIMENSION CALCULATION

Glass height (mm) = **Y – 225mm**, (Y = from the bottom of the steel beam)

FN-200

folding glass door with heavy duty rail

INAL® Frameless Folding door System, heavy type, with heavy duty certified aluminum rail 70 mm x 80 mm with **embedded stainless steel rod** & **certified stainless steel rollers**.

INAL Folding System FN-200 use a heavy duty aluminum hinge at the upper and lower profile. The special design and high quality of hinges ensure functionality, durality and lifetime operation.

Weather proofing with polycarbonate or PVC profiles between the panels. Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.

Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10- 12mm
Panel weight	max 90kg
Maximum panel width	1,00m
Maximum opening height	3,50m
Type of FN-200 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/FOLDING APPLICATIONS

INAL ®
GLASS SYSTEMS & ACCESSORIES

Heavy duty aluminum rail 70x80 with embedded stainless steel rod
STRENGTH TEST: 3.450kgr (165/049.01-1 N.T.U.A.).

INTERMETAL SA PATENT
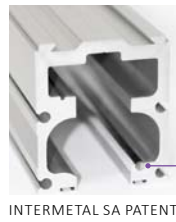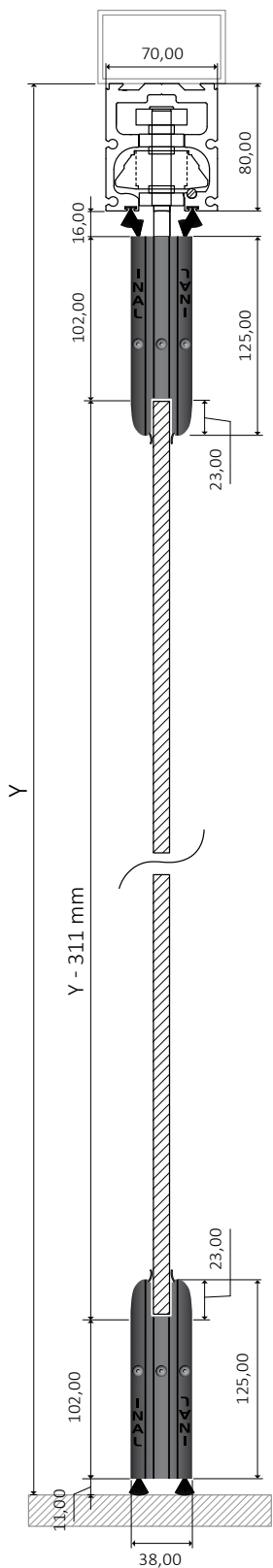
Stainless steel roller PR200 with clamp support.
STRENGTH TEST: 4.600kgr (165/049.01-2 N.T.U.A.).

Heavy duty hinges between the panels.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options
FRONT LOCKING

Durality and lifetime operation

Lock Mechanism with eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

GLASS **(TEMPERED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 311mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 20mm]} / P.N.**	

GLASS **(LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 295mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 20mm]} / P.N.**	

FN-150

folding glass door

FOLDING SYSTEM

INAL® Frameless Folding door System, with middle size aluminum rail, 52 mm x 59 mm with **embedded stainless steel rod** & **certified stainless steel rollers**.

INAL Folding System FN-150 use a heavy duty aluminum hinge at the upper and lower profile. The special design and high quality of hinges ensure functionality, duralility and lifetime operation.
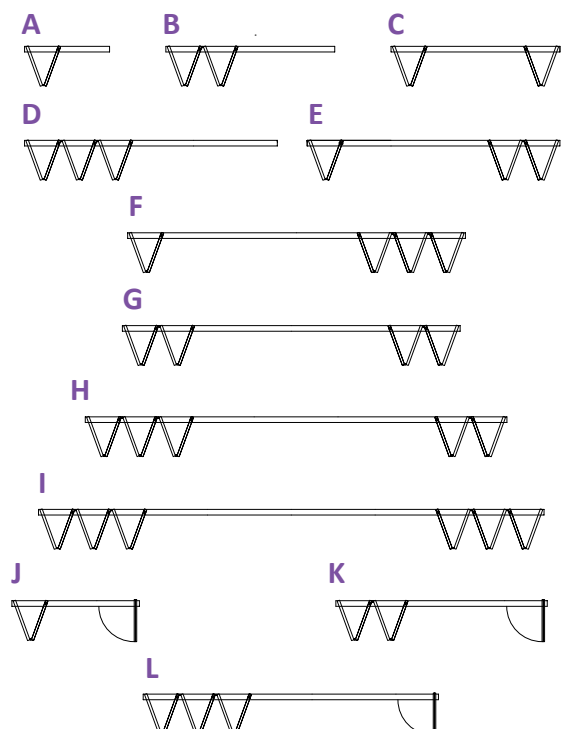
Weather proofing with polycarbonate profiles between the panels. Locking with Stainless steel front bolts in a wide range, also locking with double locking lock mechanism.

Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10mm
Panel weight	max 85kg
Maximum panel width	1,00m
Maximum opening height	2,80m
Type of FN-150 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**FOLDING** APPLICATIONS

INAL®
GLASS SYSTEMS & ACCESSORIES

52,00

59,00

16,00

102,00

125,00

23,00

Y

Y – 290 mm

23,00

102,00

125,00

11,00

38,00
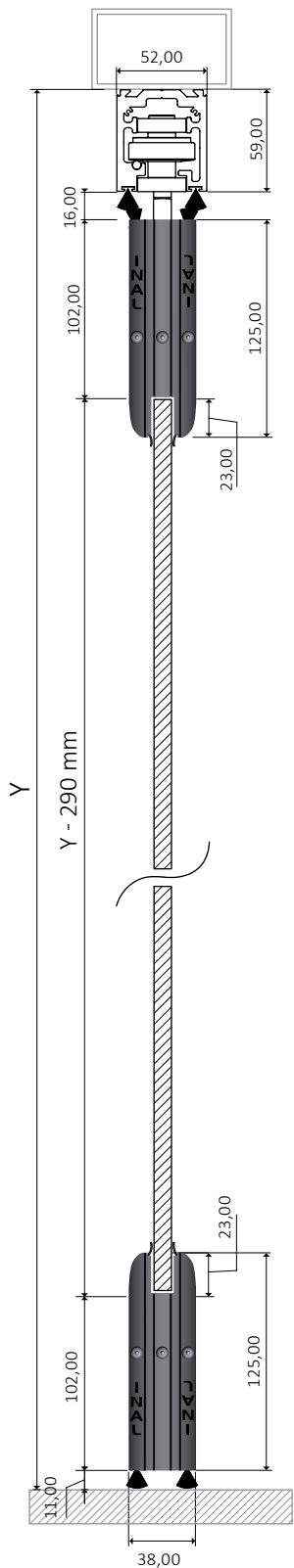
Aluminum middle size rail 52x59 with embedded stainless steel rod.

INTERMETAL SA PATENT

Stainless steel roller PR150 with clamp support.

Heavy duty aluminum hinge at the upper and lower profile.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

Weather proofing brush between bottom profile and the floor.

Storage of folding panels.

locking options
FRONT LOCKING

Lock Mechanism with eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

GLASS **(TEMPERED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 290mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 20mm]} / P.N.**	

GLASS **(LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 274mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 20mm]} / P.N.**	

FN-100

folding glass door

INAL® Frameless Folding door System, with upper and lower aluminum profile 70 mm. Aluminum middle size rail 52 mm x 59 mm with **embedded stainless steel rod** & **stainless steel rollers**.

INAL® Folding System FN-100 use aluminum hinge at the upper and lower profile. The special design and high quality of hinges ensure functionality, duralility and lifetime operation. Weather proofing along the entire length of the panel.
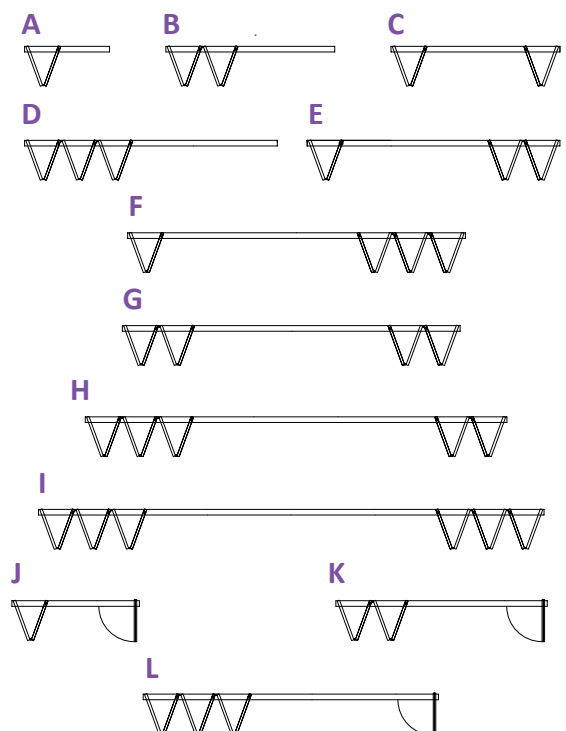
Locking with Stainless steel front bolts in the bottom hinges.

Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

Glass Type	Tempered or Laminated
Glass thickness	10 mm
Panel weight	max 55kg
Maximum panel width	0,80m
Maximum opening height	2,70m
Type of FN-100 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**FOLDING** APPLICATIONS

INAL®
GLASS SYSTEMS & ACCESSORIES

52,00

59,00

15,00

49,00

70,00

21,00

Y

Y-179

21,00

49,00

70,00

7,00

38,00

Aluminum middle size rail 52x59 with embedded stainless steel rod.
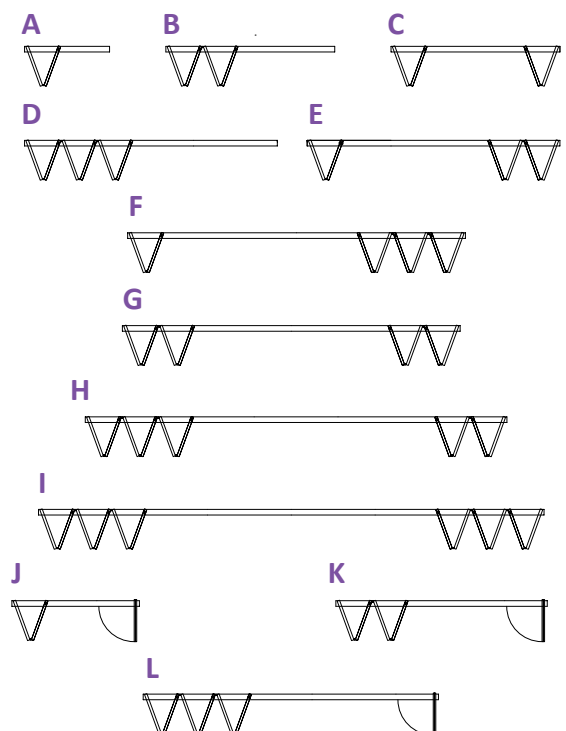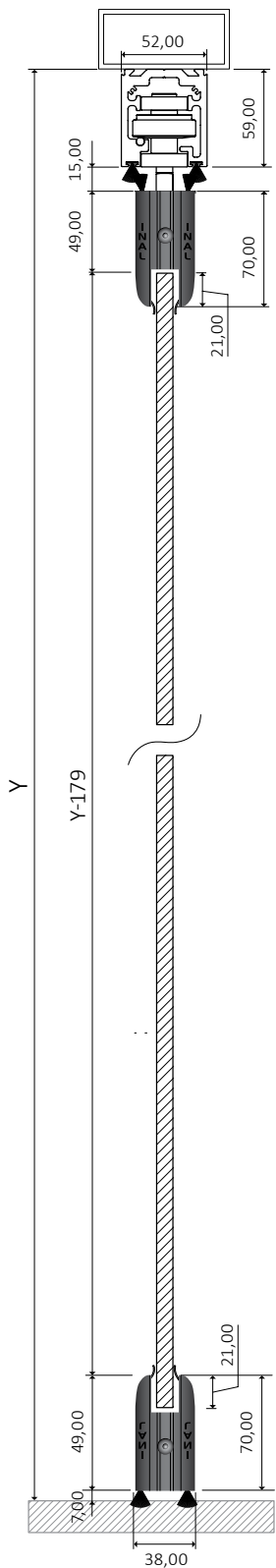
INTERMETAL SA PATENT

Stainless steel roller PR100 with clamp support.

Top hinge FN100
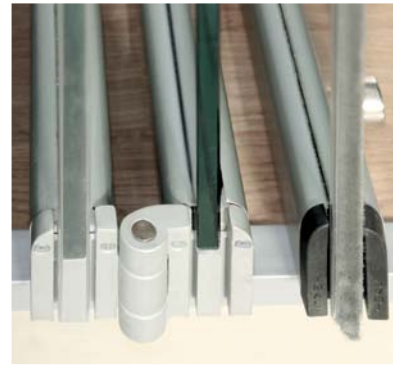
Storage of panels.

Upper and lower aluminum profile 70mm.

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

locking options
FRONT LOCKING

Patented bottom hinges FN100 with embedded stainless steel bolts.

INTERMETAL SA PATENT

GLASS **(TEMPERED & LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 179mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (pcs) = P.N.
Glass width (mm) = **{O.W. – [(P.N. x 3mm) + 24mm]} / P.N.**	

FN-M200

folding glass door with heavy duty rail

FOLDING SYSTEM

INAL® Frameless Folding door System, heavy type, with heavy duty certified aluminum rail 70 mm x 80 mm with **embedded stainless steel rod** & **certified stainless steel rollers**.

INAL Folding System FN-M200 use a heavy duty aluminum hinge at the upper and lower profile. The special design and high quality of hinges ensure functionality, durality and lifetime operation. Weather proofing with polycarbonate or PVC profiles between the panels. Locking with Stainless steel front or side bolts or locking with double locking lock mechanism.

Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

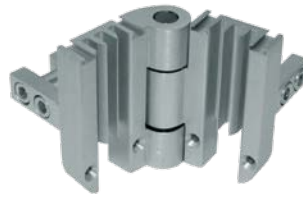| Glass Type	Tempered or Laminated
Glass thickness	10- 12mm
Panel weight	max 90kg
Maximum panel width	1,00m
Maximum opening height	3,50m
Type of FN-M200 System	Front Locking
Finishing	Natural anodized, Satin anodized, RAL powder coating
Without floor guide, No glass cuttings required	

PANEL STORAGE/**FOLDING** APPLICATIONS

70,00

80,00

20,00

102,00

125,00

23,00

Y

Y – 315 mm

23,00

102,00

125,00

11,00

38,00

Heavy duty aluminum rail 70x80 with embedded stainless steel rod **STRENGTH TEST:** 3.450kgr (165/049.01-1 N.T.U.A.).

INTERMETAL SA PATENT

Stainless steel roller PR200 with clamp support. **STRENGTH TEST:** 4.600kgr (165/049.01-2 N.T.U.A.).

Heavy duty hinges between the panels.

*
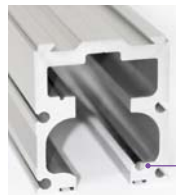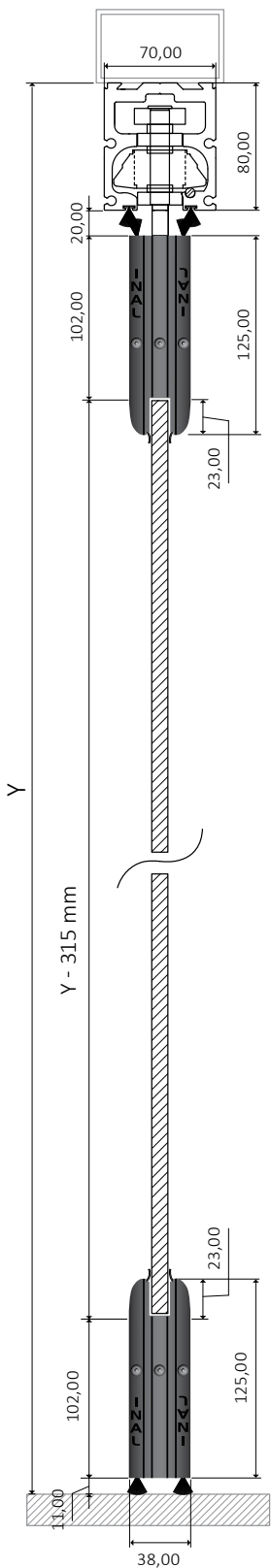
Middle folding option is also available in FN-M150 and FN-M100 models

locking options

FRONT LOCKING

Lock Mechanism with eurocylinder Key

Lock Mechanism with Half Cylinder and knob

Stainless Bolt

Durality and lifetime operation

NO FLOOR GUIDE REQUIRED

NO GLASS CUTTINGS REQUIRED

GLASS **(TEMPERED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 315mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (without the half panel)(pcs) = P.N.
1st (half panel) glass width (mm) = G.W. 1	Glass width (rest panels) (mm) = G.W. N
G.W.N. = {O.W. − [(P.N. +1)x 3mm] +83mm]}: (P.N. +0,5)	
G.W. 1 = **(G.W.N. : 2) +51mm**	

GLASS **(LAMINATED)** DIMENSION CALCULATION	
Glass height (mm) = **Y – 300mm**, (Y = from the bottom of the steel beam)	
Opening width (mm) = O.W.	Number of panels (without the half panel)(pcs) = P.N.
1st (half panel) glass width (mm) = G.W. 1	Glass width (rest panels) (mm) = G.W. N
G.W.N. = {O.W. − [(P.N. +1)x 3mm] +83mm]}: (P.N. +0,5)	
G.W. 1 = **(G.W.N. : 2) +51mm**	

PANORAMA

folding glass door

FOLDING SYSTEM

INAL® Folding door System with heavy duty certified aluminum top rail 70 mm x 80 mm with **embedded stainless steel rod** & **certified stainless steel rollers** and floor guide.
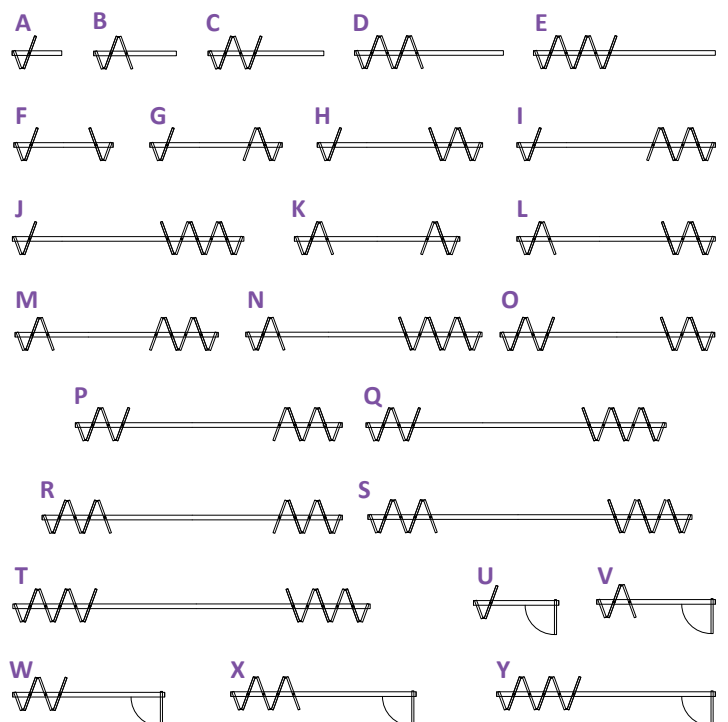
PANORAMA Folding System is suitable for internal spaces with the use of special design aluminum upper and lower hinges, without profiles. Weather proofing with polycarbonate or PVC profiles between the panels. Locking with Stainless steel front bolt in the bottom hinges.
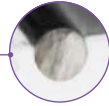
Available in Do It Yourself (DIY) or Made to measure upon request.

technical specifications

Glass Type	Tempered
Glass thickness	8- 10 - 12mm
Panel weight	max 70kg
Maximum panel width	1,00m
Maximum opening height	2,70m
Type of PANORAMA System	Front Locking
Type of locking	Stainless bolt
Finishing	Natural anodized, Satin anodized, RAL Powder coating
With floor guide, Glass cuttings required	

PANEL STORAGE/**FOLDING** APPLICATIONS

30

INAL
GLASS SYSTEMS & ACCESSORIES

70,00

80,00

10

100,00

100,00

5,00

With floor guide

Glass cuttings required
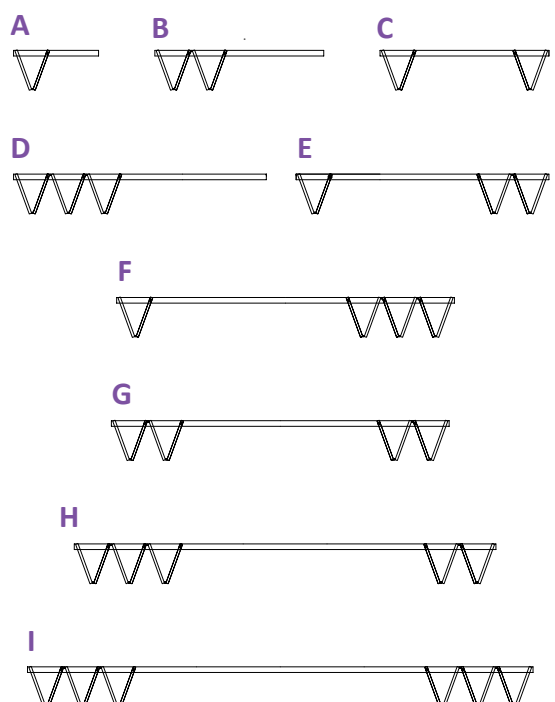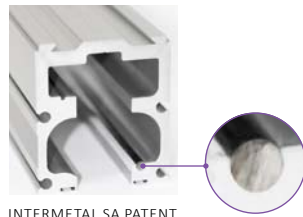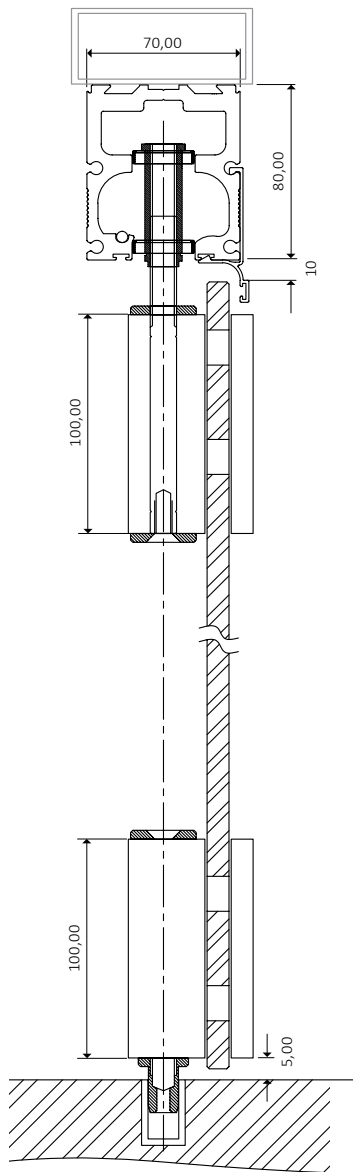
INTERMETAL SA PATENT

Heavy duty aluminum
rail 70x80 with
embedded stainless
steel rod
STRENGTH TEST:
3.450kgr
(165/049.01-1 N.T.U.A.).

system hinges

Upper single hinge with roller
CODE **501MR**

Upper double hinge with roller
CODE **501DR**

Upper double hinge
CODE **501D**

Lower double hinge with pin
CODE **502DP**

Lower double hinge with bolt
CODE **502DS**

Lower single hinge with pin
CODE **502MP**

floor guide

upper view

FLEXIBLE GLASS DOORS

INAL®
GLASS SYSTEMS & ACCESSORIES

INAL®
FLEXIBLE GLASS DOORS

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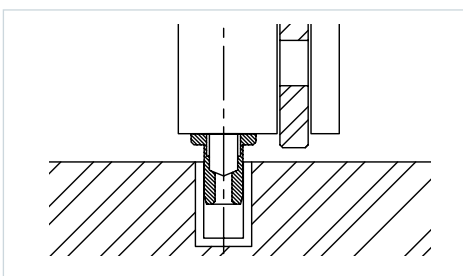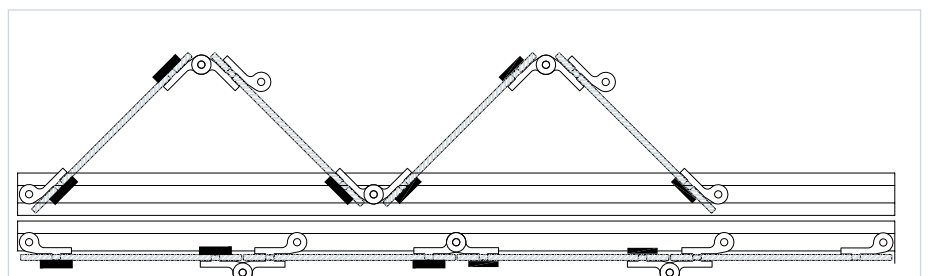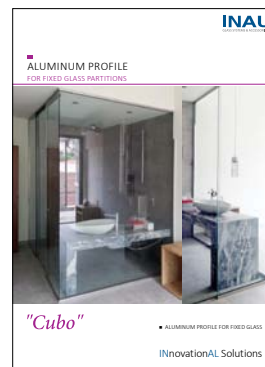
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& APPLICATIONS

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- AUTOMATIC TELESCOPIC GLASS DOORS
- AUTOMATIC SWING GLASS DOORS

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- FLOOR MOUNTED GLASS BALUSTRADE RAIL INAL® ⊡1780
- INFLOOR MOUNTED GLASS BALUSTRADE RAIL INAL® ⊡1780
- SIDE MOUNTED GLASS BALUSTRADE RAIL INAL® ⊡1780
- FLOOR MOUNTED GLASS BALUSTRADE RAIL INAL® B1785
- GLASS CLAMP INAL® B1735
- GLASS CLAMP INAL® B1705
- GROUND BASE- SLOT TUBES
- SPACERS FOR GLASS BALUSTRADES

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INAL®
ALUMINUM (CASE) PROFILE
FOR INTERNAL DOORS & PARTITIONS

"Élégance"

- ALUMINUM CASE PROFILE FOR GLASS DOOR APPLICATIONS
- ALUMINUM PROFILE FOR GLASS PARTITION APPLICATIONS
- ALUMINUM CASE PROFILE FOR WOODEN DOOR APPLICATIONS

INnovationAL Solutions

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ALUMINUM CASE PROFILE
FOR INTERNAL DOORS & PARTITIONS

"Flexi"

- ALUMINUM CASE FOR GLASS DOORS
- ALUMINUM PROFILE FOR INTERNAL GLASS PARTITIONS

INnovationAL Solutions

INAL®
ALUMINUM CASE
FOR GLASS DOORS

"Simply"

- ALUMINUM CASE FOR GLASS DOORS
- ALUMINUM PROFILE FOR INTERNAL GLASS PARTITIONS

INnovationAL Solutions

INAL®
ALUMINUM PROFILE
FOR FIXED GLASS PARTITIONS

"Cubo"

- ALUMINUM PROFILE FOR FIXED GLASS

INnovationAL Solutions

INAL®
HYDRAULIC HINGE CLOSER

NOSCAVO® HHC

Absolute Door Closing Control

- WITHOUT FLOOR CORING
- NO MORE FLOOR DAMAGES
- EASY RELOCATION OF THE DOOR

INnovationAL Solutions

INnovationAL Solutions

INTERMETAL
BUILDING INDUSTRIAL EQUIPMENT

TÜV NORD
TÜV NORD CERT GmbH
ISO 9001

**ISO 9001 : 2015
CERTIFIED**

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