

FRAMELESS GLASS DOOR HARDWARE



FORGET THE REST



FRAMELESS GLASS DOOR HARDWARE

BOTTOM DOOR PATCH (DM INSERT)

Available in 2-9/16" (65mm) and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch



ITEM NO.	FINISH
PF10DM - AL	ALUMINUM
PF10DM - PB	POLISHED BRASS
PF10DM - BS	BRUSHED STAINLESS
PF10DM - PS	POLISHED STAINLESS

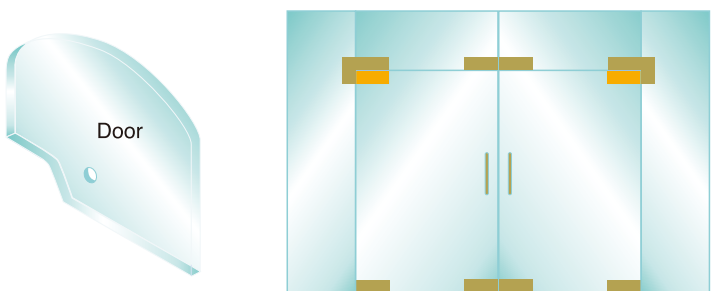
TOP DOOR PATCH (DM INSERT)

Universal works with 2-9/16" (65mm) and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch



ITEM NO.	FINISH
PF20DM - AL	ALUMINUM
PF20DM - PB	POLISHED BRASS
PF20DM - BS	BRUSHED STAINLESS
PF20DM - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

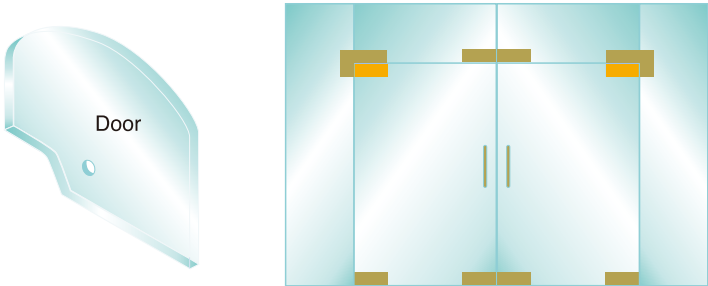
TOP DOOR PATCH (ADJUSTABLE INSERT)

Available in 2-9/16" (65mm) and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch



ITEM NO.	FINISH
PF20MB -70-AL	ALUMINUM
PF20MB -70-PB	POLISHED BRASS
PF20MB -70-BS	BRUSHED STAINLESS
PF20MB -70-PS	POLISHED STAINLESS

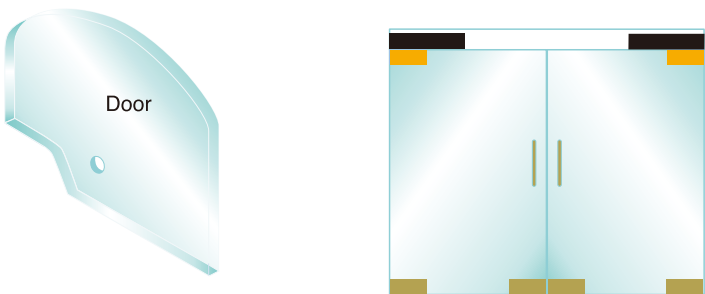
TOP DOOR PATCH (JS INSERT)

Available in 2-9/16" (65mm) and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch

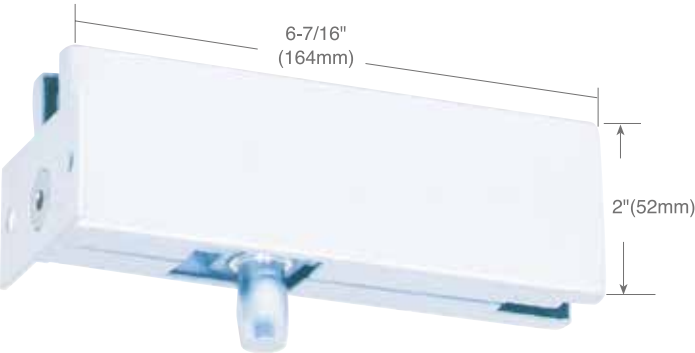


ITEM NO.	FINISH
PF20JS - AL	ALUMINUM
PF20JS - PB	POLISHED BRASS
PF20JS - BS	BRUSHED STAINLESS
PF20JS - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

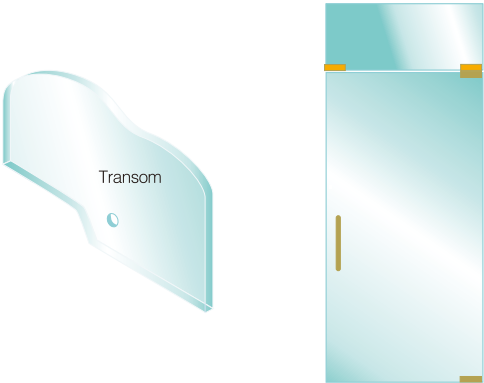
WALL MOUNTED TRANSOM PATCH AND WALL MOUNTING PLATE

Works with both 2-3/4" (70mm) and 2-9/16" (65mm) pivot backset door patch fittings



GLASS FABRICATION REQUIRED:

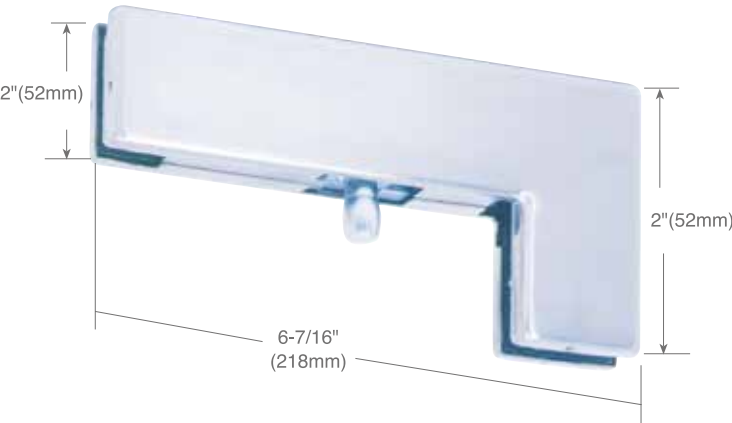
One 3/4" (19mm) diameter hole and corner notch



ITEM NO.	FINISH
PF30 - AL	ALUMINUM
PF30 - PB	POLISHED BRASS
PF30 - BS	BRUSHED STAINLESS
PF30 - PS	POLISHED STAINLESS

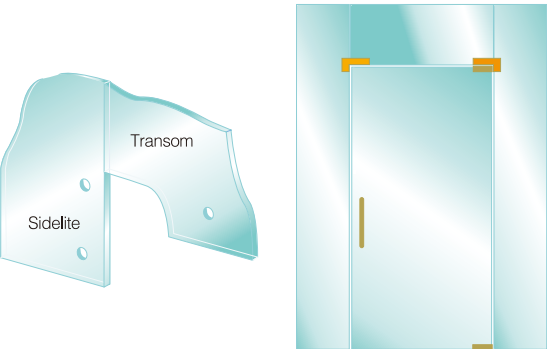
SIDELITE MOUNTED TRANSOM PATCH

Works with both 2-3/4" (70mm) and 2-9/16" (65mm) pivot backset door patch fittings



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch

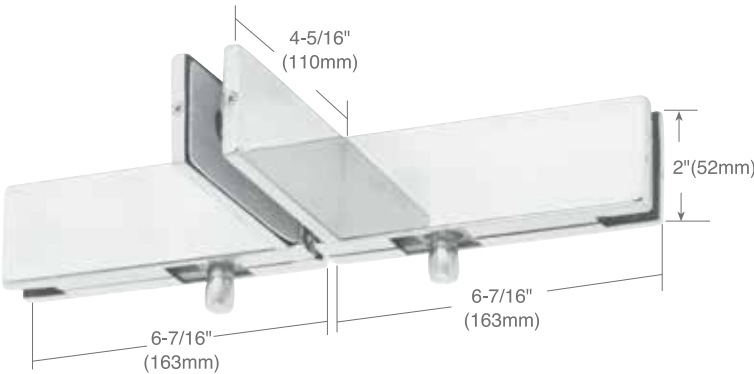


ITEM NO.	FINISH
PF40 - AL	ALUMINUM
PF40 - PB	POLISHED BRASS
PF40 - BS	BRUSHED STAINLESS
PF40 - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

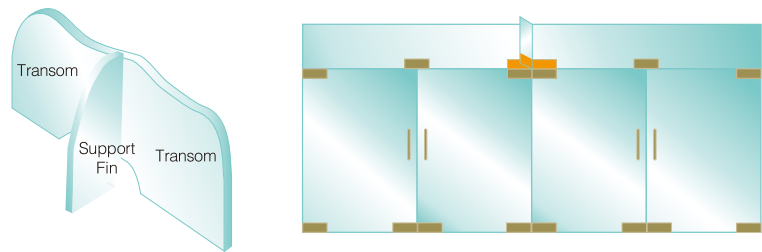
DOUBLE TRANSOM PATCH WITH SUPPORT FIN BRACKET

Works with both 2-3/4" (70mm) and 2-9/16" (65mm) pivot backset door patch fittings



GLASS FABRICATION REQUIRED:

- **FOR SPLIT TRANSOM (TWO LITES OF GLASS):**
Four 3/4" (19mm) diameter holes and three corner notches
- **FOR SINGLE TRANSOM (ONE LITE OF GLASS):**
Four 3/4" (19mm) diameter holes, one corner notch and one u-cutout

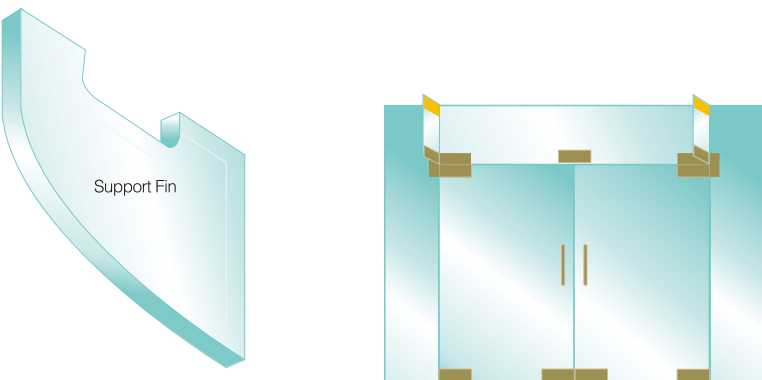


ITEM NO.	FINISH
PF51 - AL	ALUMINUM
PF51 - PB	POLISHED BRASS
PF51 - BS	BRUSHED STAINLESS
PF51 - PS	POLISHED STAINLESS

CEILING MOUNTED SUPPORT FIN BRACKET AND COVER PLATES



The ceiling mounted support fin bracket is used to secure glass support fins to the ceiling. the support fin glass should be sized to approved design criteria



ITEM NO.	FINISH
PF94 - AL	ALUMINUM
PF94 - PB	POLISHED BRASS
PF94 - BS	BRUSHED STAINLESS
PF94 - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

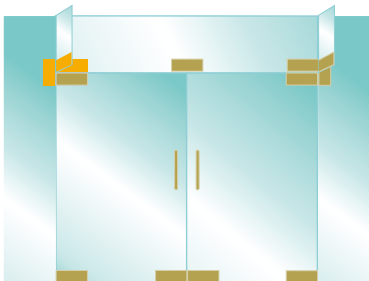
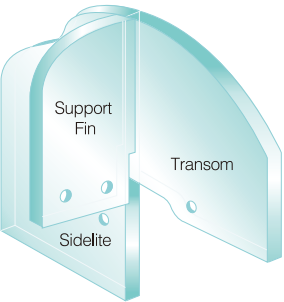
RIGHT HAND SIDELITE MOUNTED TRANSOM PATCH WITH SUPPORT FIN BRACKET

Works with both 2-3/4" (70mm) and 2-9/16" (65mm) pivot backset door patch fittings



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch

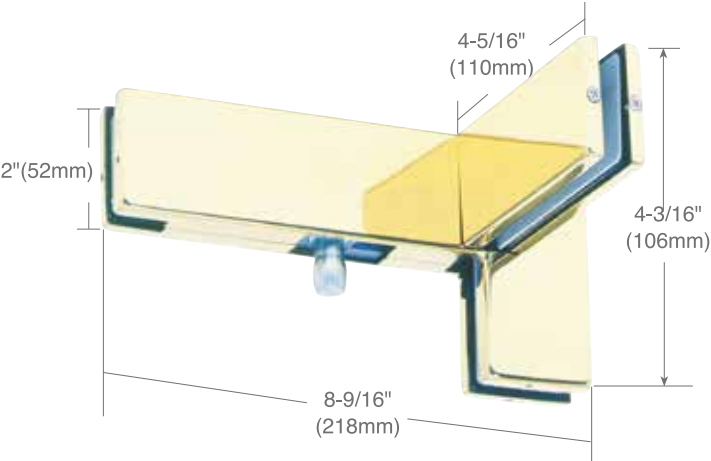


TYPICAL STORE ENTRANCE WITH SUPPORT FINS
(Viewed from the Inside)

ITEM NO.	FINISH
PF41 - RH - AL	ALUMINUM
PF41 - RH - PB	POLISHED BRASS
PF41 - RH - BS	BRUSHED STAINLESS
PF41 - RH - PS	POLISHED STAINLESS

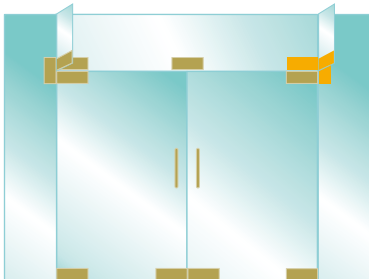
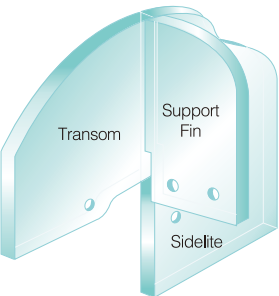
LEFT HAND SIDELITE MOUNTED TRANSOM PATCH WITH SUPPORT FIN BRACKET

Works with both 2-3/4" (70mm) and 2-9/16" (65mm) pivot backset door patch fittings



GLASS FABRICATION REQUIRED:

One 3/4" (19mm) diameter hole and corner notch



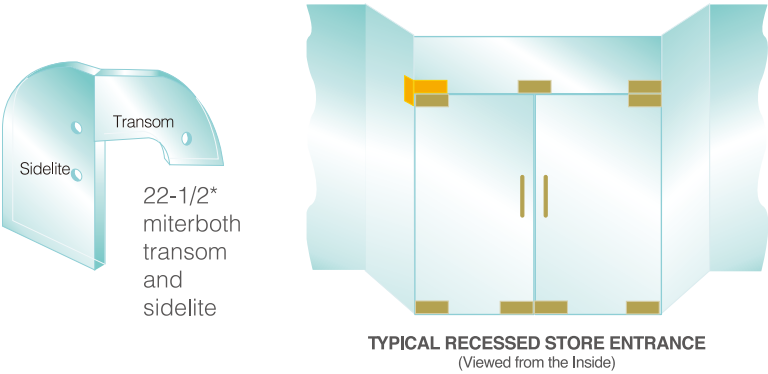
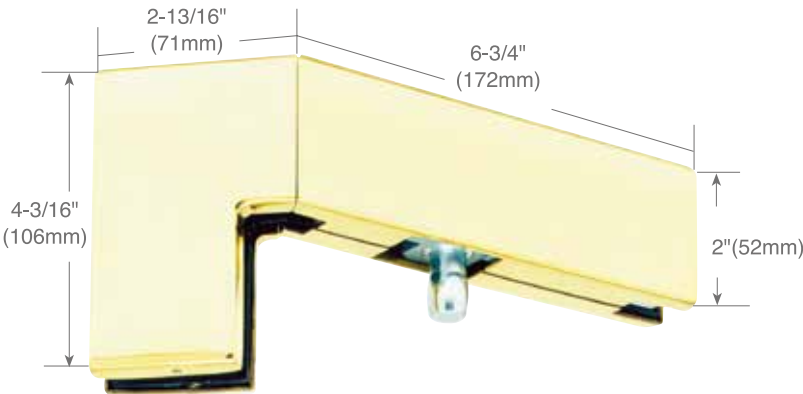
TYPICAL STORE ENTRANCE WITH SUPPORT FINS
(Viewed from the Inside)

ITEM NO.	FINISH
PF41 - LH - AL	ALUMINUM
PF41 - LH - PB	POLISHED BRASS
PF41 - LH - BS	BRUSHED STAINLESS
PF41 - LH - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

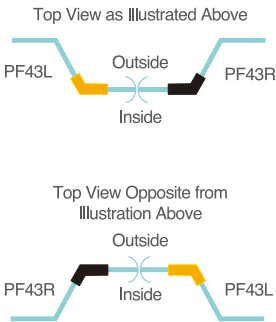
135° LEFT HAND SIDELITE MOUNTED
TRANSOM PATCH

Works with 2-9/16" (65mm) pivot backset and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

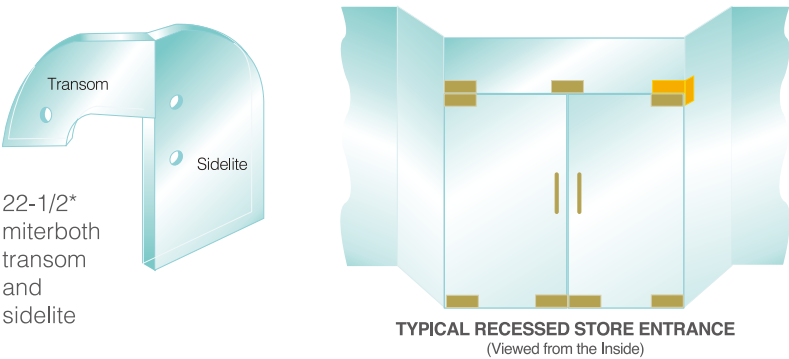
Three 3/4" (19mm) diameter holes and one corner notch ; door is square cut ; sidelite and transom require 22-1/2° miters.



ITEM NO.	FINISH
PF43 - LH - AL	ALUMINUM
PF43 - LH - PB	POLISHED BRASS
PF43 - LH - BS	BRUSHED STAINLESS
PF43 - LH - PS	POLISHED STAINLESS

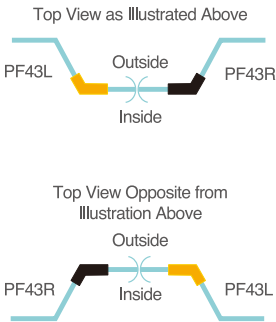
135° RIGHT HAND SIDELITE MOUNTED
TRANSOM PATCH

Works with 2-9/16" (65mm) pivot backset and 2-3/4" (70mm) backset



GLASS FABRICATION REQUIRED:

Three 3/4" (19mm) diameter holes and one corner notch ; door is square cut ; sidelite and transom require 22-1/2° miters.

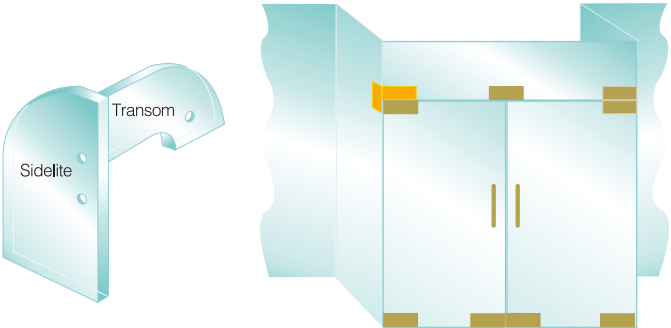


ITEM NO.	FINISH
PF43 - RH - AL	ALUMINUM
PF43 - RH - PB	POLISHED BRASS
PF43 - RH - BS	BRUSHED STAINLESS
PF43 - RH - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

90° LEFT HAND SIDELITE MOUNTED TRANSOM PATCH

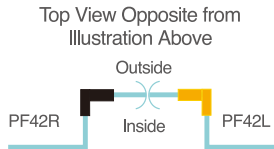
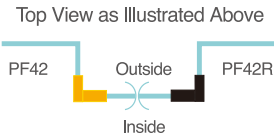
Works with 2-9/16" (65mm) and 2-3/4" (70mm) pivot backset



TYPICAL RECESSED STORE ENTRANCE
(Viewed from the Inside)

GLASS FABRICATION REQUIRED:

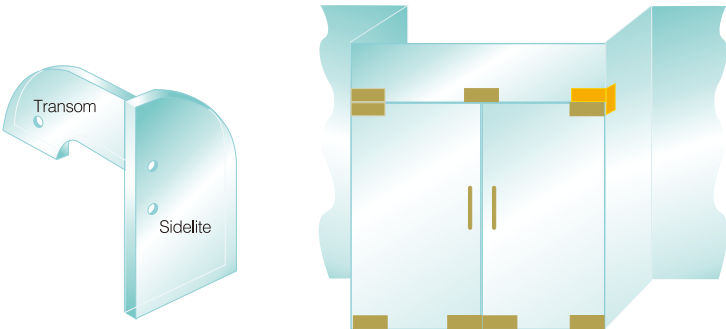
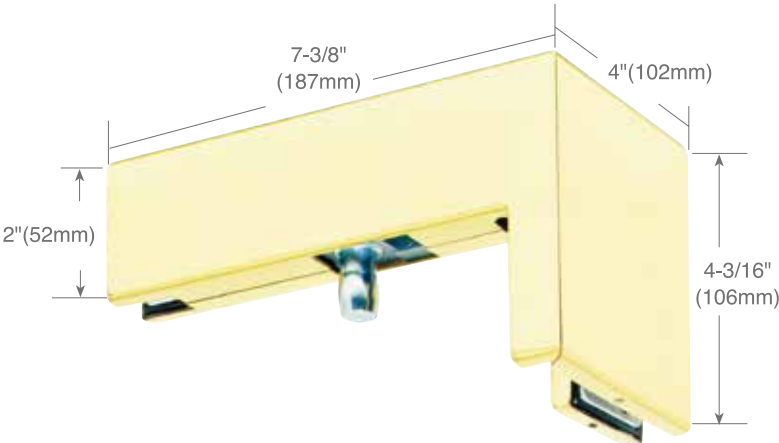
Three 3/4" (19mm) diameter holes and one corner notch ; door and panels flat polished ; no miters required.



ITEM NO.	FINISH
PF42 - LH - AL	ALUMINUM
PF42 - LH - PB	POLISHED BRASS
PF42 - LH - BS	BRUSHED STAINLESS
PF42 - LH - PS	POLISHED STAINLESS

90° RIGHT HAND SIDELITE MOUNTED TRANSOM PATCH

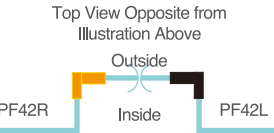
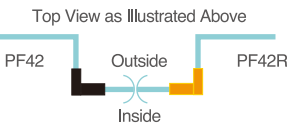
Works with 2-9/16" (65mm) and 2-3/4" (70mm) pivot backset



TYPICAL RECESSED STORE ENTRANCE
(Viewed from the Inside)

GLASS FABRICATION REQUIRED:

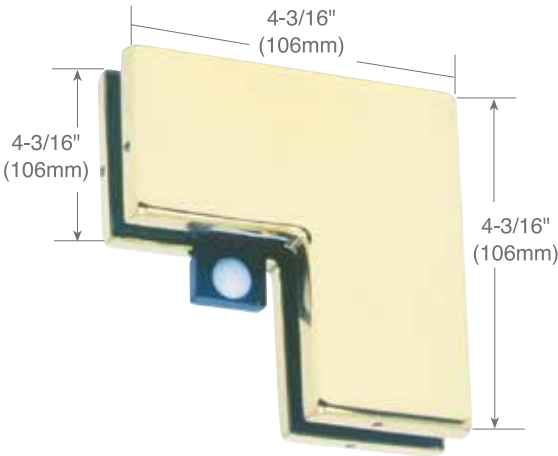
Three 3/4" (19mm) diameter holes and one corner notch ; door and panels flat polished ; no miters required.



ITEM NO.	FINISH
PF42 - RH - AL	ALUMINUM
PF42 - RH - PB	POLISHED BRASS
PF42 - RH - BS	BRUSHED STAINLESS
PF42 - RH - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

SIDELITE MOUNTED TRANSOM PATCH CONNECTOR WITH REVERSIBLE DOOR STOP



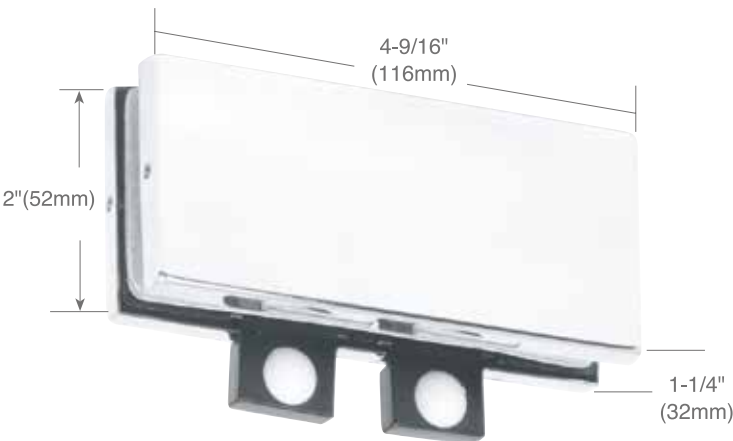
GLASS FABRICATION REQUIRED:

Three 3/4" (19mm) diameter holes



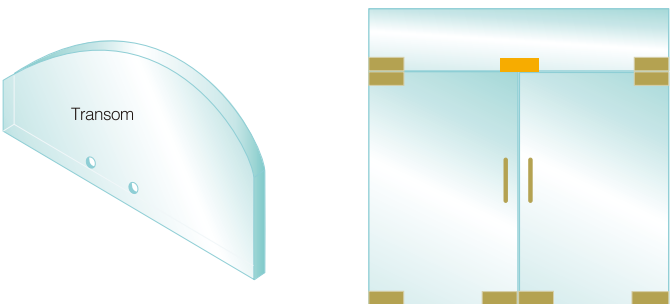
ITEM NO.	FINISH
PF60 - AL	ALUMINUM
PF60 - PB	POLISHED BRASS
PF60 - BS	BRUSHED STAINLESS
PF60 - PS	POLISHED STAINLESS

TRANSOM MOUNTED PATCH CONNECTOR WITH TWO REVERSIBLE DOOR STOPS



GLASS FABRICATION REQUIRED:

Three 3/4" (19mm) diameter holes



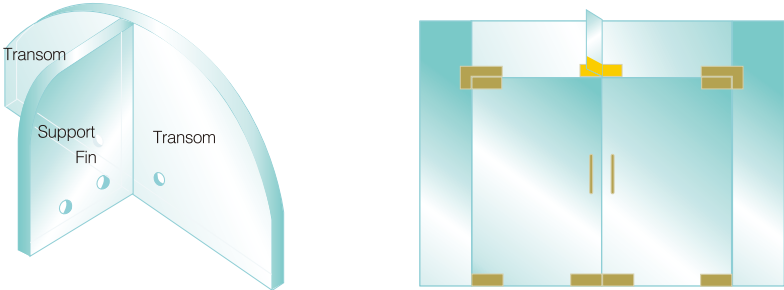
ITEM NO.	FINISH
PF70 - AL	ALUMINUM
PF70 - PB	POLISHED BRASS
PF70 - BS	BRUSHED STAINLESS
PF70 - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

TRANSOM MOUNTED PATCH CONNECTOR WITH SUPPORT FIN BRACKET

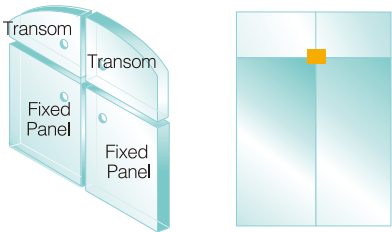
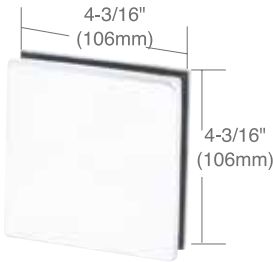


Glass fabrication required four 3/4" (19mm) diameter holes



ITEM NO.	FINISH
PF71 - AL	ALUMINUM
PF71 - PB	POLISHED BRASS
PF71 - BS	BRUSHED STAINLESS
PF71 - PS	POLISHED STAINLESS

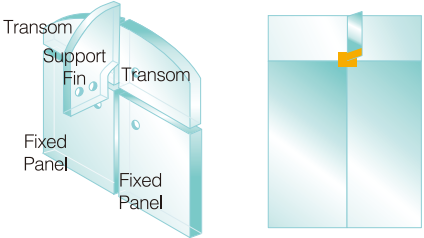
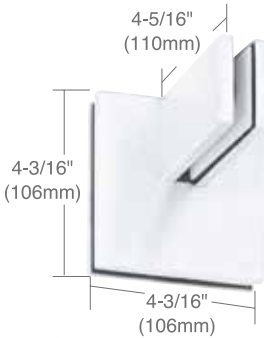
FOUR-WAY PATCH CONNECTOR



GLASS FABRICATION REQUIRED:
Four 3/4" (19mm) diameter holes

ITEM NO.	FINISH
PF80 - AL	ALUMINUM
PF80 - PB	POLISHED BRASS
PF80 - BS	BRUSHED STAINLESS
PF80 - PS	POLISHED STAINLESS

FOUR-WAY PATCH CONNECTOR WITH SUPPORT FIN BRACKET

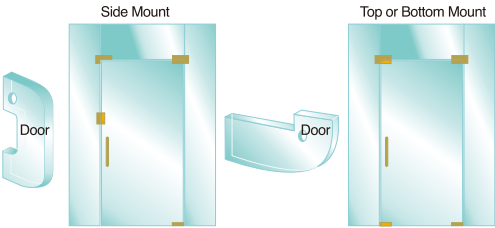


GLASS FABRICATION REQUIRED:
Six 3/4" (19mm) diameter holes and corner notch

ITEM NO.	FINISH
PF81 - AL	ALUMINUM
PF81 - PB	POLISHED BRASS
PF81 - BS	BRUSHED STAINLESS
PF81 - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

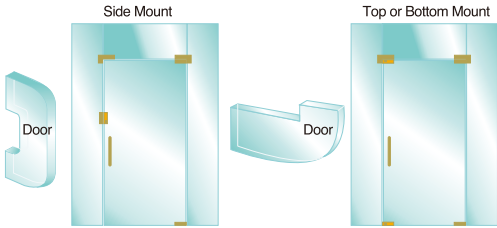
NORTH AMERICAN SERIES PATCH LOCK



Keyed cylinder not included

ITEM NO.	FINISH
PL20 - AL	ALUMINUM
PL20 - PB	POLISHED BRASS
PL20 - BS	BRUSHED STAINLESS
PL20 - PS	POLISHED STAINLESS

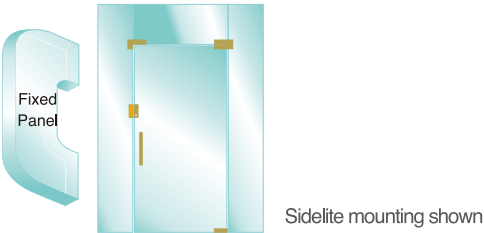
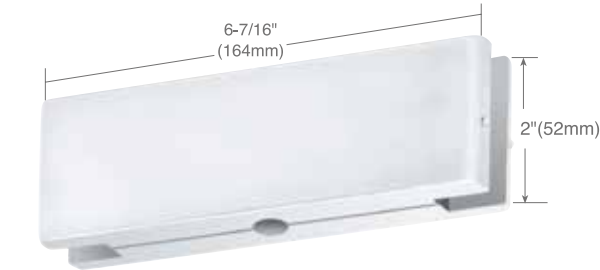
EUROPEAN SERIES PATCH LOCK



Euro profile cylinder included

ITEM NO.	FINISH
PL10 - AL	ALUMINUM
PL10 - PB	POLISHED BRASS
PL10 - BS	BRUSHED STAINLESS
PL10 - PS	POLISHED STAINLESS

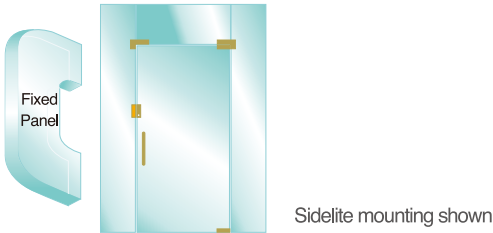
NORTH AMERICAN SERIES SIDELITE OR GLASS DOOR MOUNT KEEPER FOR PL20 PATCH LOCK



Sidelite mounting shown

ITEM NO.	FINISH
PK20 - AL	ALUMINUM
PK20 - PB	POLISHED BRASS
PK20 - BS	BRUSHED STAINLESS
PK20 - PS	POLISHED STAINLESS

EUROPEAN SERIES SIDELITE OR GLASS DOOR MOUNT KEEPER FOR PL10 PATCH LOCK



Sidelite mounting shown

ITEM NO.	FINISH
PK10 - AL	ALUMINUM
PK10 - PB	POLISHED BRASS
PK10 - BS	BRUSHED STAINLESS
PK10 - PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

SURFACE MOUNTED TOP
FREE SWINGING PIVOT



ITEM NO.	DESCRIPTION
PFTP01-DM	Surface Mounted Top Free Swinging Pivot

HEADER MOUNTED TOP
FREE SWINGING PIVOT



ITEM NO.	DESCRIPTION
PFTP02-DM	Header Mounted Top Free Swinging Pivot

TOP FREE SWINGING WALKING
BEAM PIVOT (MOUNTS IN WOOD
OR EXTRUDED HEADER)



ITEM NO.	DESCRIPTION
PFTP03	Top Free Swinging Walking Beam Pivot

BOTTOM FREE SWINGING PIVOT



ITEM NO.	DESCRIPTION
PFBP02-DM	Bottom Free Swinging Pivot with Screws

ADJUSTABLE BOTTOM FREE
SWINGING PIVOT



ITEM NO.	DESCRIPTION
PFBP03-DM	Adjustable Bottom Free Swinging Pivot

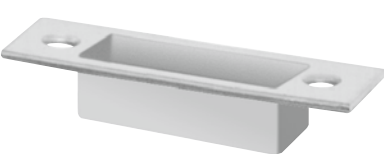
DUST PROOF KEEPER WITH
MOUNTING PLATE



Dust proof keeper with mounting plate for PL20 patch lock

ITEM NO.	FINISH
DA - DPS - PB	BRASS
DA - DPS - CP	POLISHED STAINLESS

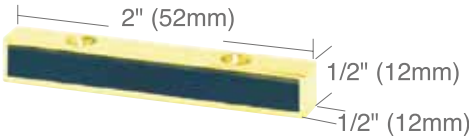
EASY CLEAN BOTTOM SOCKET
WITH MOUNTING PLATE



Easy clean bottom socket for PL10 patch lock

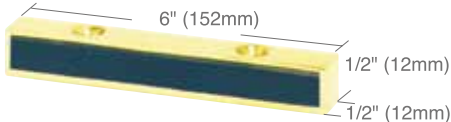
ITEM NO.	FINISH
PFECS - PB	BRASS
PFECS - CP	POLISHED STAINLESS

HEADER MOUNTED SINGLE
DOOR STOP



ITEM NO.	FINISH
PFHMDS - SD -AL	ALUMINUM
PFHMDS - SD -PB	POLISHED BRASS
PFHMDS - SD -SC	BRUSHED STAINLESS
PFHMDS - SD -CP	POLISHED STAINLESS

HEADER MOUNTED DOUBLE
DOOR STOP



ITEM NO.	FINISH
PFHMDS - DD -AL	ALUMINUM
PFHMDS - DD -PB	POLISHED BRASS
PFHMDS - DD -SC	BRUSHED STAINLESS
PFHMDS - DD -CP	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

REPLACEMENT COVER PLATES FOR PATCH FITTINGS

For PF10 and PF20 door patch fittings



INCLUDES : 1 set of two cover plates

ITEM NO.	FINISH
PF20CO - AL	ALUMINUM
PF20CO - PB	POLISHED BRASS
PF20CO - BS	BRUSHED STAINLESS
PF20CO - PS	POLISHED STAINLESS

For PF30 wall mounted transom patch fittings



INCLUDES : 1 set of two cover plates

ITEM NO.	FINISH
PF30CO - AL	ALUMINUM
PF30CO - PB	POLISHED BRASS
PF30CO - BS	BRUSHED STAINLESS
PF30CO - PS	POLISHED STAINLESS

For PF40 sidelite mounted transom patch fittings



INCLUDES : 1 set of two cover plates

ITEM NO.	FINISH
PF40CO - AL	ALUMINUM
PF40CO - PB	POLISHED BRASS
PF40CO - BS	BRUSHED STAINLESS
PF40CO - PS	POLISHED STAINLESS

REPLACEMENT COVER PLATE FOR OTHER PATCH FITTING ARE AVAILABLE ON SPECIAL ORDER.

REPLACEMENT GASKETS AND GROMMETS FOR PATCH FITTINGS

For PF10, PF20 and PF30 patch fittings

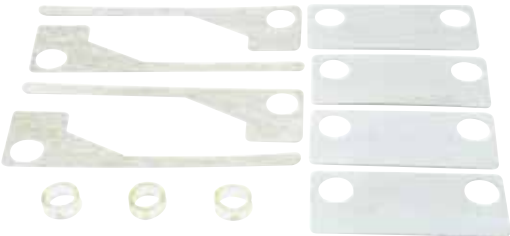


CAT. NO.	DESCRIPTION
PF20GS	Set of gaskets and grommets

GASKET SETS FOR:
PF10 - Bottom door patches;
PF20 - Top door patches;
PF30 - Wall mounted transom patch

SET CONTAINS:
4 each gaskets
[use 4 for 3/8" (10mm) glass,
and 2 for 1/2" (12mm) glass];
1 each translucent grommet

For PF40 sidelite mounted transom patch fittings



CAT. NO.	DESCRIPTION
PF40GS	Set of gaskets and grommets

GASKET SETS FOR:
PF40 sidelite mounted
transom patch

SET CONTAINS:
8 each gaskets
[use 8 for 3/8" (10mm) glass,
and 4 for 1/2" (12mm) glass ;
3 each translucent grommets

REPLACEMENT SCREWS



Popular screw types for patch hardware
sold in convenient packs of 10

CAT. NO.	SIZE	DESCRIPTION	FITS
M6X175F	6mm x 17.5mm	Flat head hex socket	PF10 inserts
M6X20C	6mm x 20mm	Cap head hex socket	PF20 inserts
M6X25F	6mm x 25mm	Flat head hex socket	All patch fitting main bodies
M8X25F	8mm x 25mm	Flat head hex socket	All support fin brackets
M4X7UC	4mm x 7mm	Undercut allen	Cover plates

FRAMELESS GLASS DOOR HARDWARE

ADJUSTABLE TOP DOOR PATCH INSERT



ITEM NO.	DESCRIPTION
PF20IN - DM	Adjustable top door Patch insert with screws

TOP DOOR CLOSER PATCH INSERT



ITEM NO.	DESCRIPTION
PF20IN - JS	Top door closer patch Insert with screws

BOTTOM DOOR PATCH INSERT



ITEM NO.	DESCRIPTION
PF20IN - DM	Bottom door patch Insert with screws

BOTTOM DOOR PATCH INSERT



ITEM NO.	DESCRIPTION
PF20IN - CM	Bottom Door Patch Insert with Screws

TRANSOM PATCH DOOR STOP INSERT



CAT. NO.	DESCRIPTION
PF20IN-DS	Door Stop Insert with Screws

TRANSOM PATCH KEEPER INSERT FOR PL20 LOCK



CAT. NO.	DESCRIPTION
PK21	Transom patch keeper Insert with screws

TRANSOM PATCH TOP PIVOT INSERT



ITEM NO.	DESCRIPTION
PF30IN - DM	Top pivot Insert with screws

IMPORTANT INFORMATION:

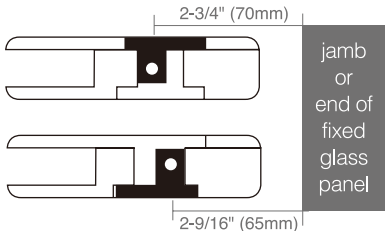
The PF30IN - DM top pivot insert is reversible. When used with the universal series transom patch fittings (see below), it allows for either(american 2-3/4" pivot backset) or (european 2-9/16" pivot backset) by simply turning the top pivot insert around in the transom patch fitting.

INTERNATIONAL SERIES TRANSOM PATCH FITTINGS

- PF30 wall mounted transom patch
- PF40 sidelite mounted transom patch
- PF41 left hand sidelite mounted transom patch with support fin
- PF41 right hand sidelite mounted transom patch with support fin
- PF51 double transom patch with support fin

AMERICAN - PF20 top or PF10 bottom door patch fitting configuration

EUROPEAN - PF20 top or PF10 bottom door patch fitting configuration

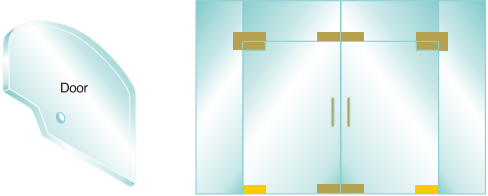


FRAMELESS GLASS DOOR HARDWARE

BOTTOM ARC DOOR PATCH (DM INSERT)



ITEM NO.	FINISH
PF10ADM - AL	ALUMINUM
PF10ADM - PB	POLISHED BRASS
PF10ADM - BS	BRUSHED STAINLESS
PF10ADM - PS	POLISHED STAINLESS

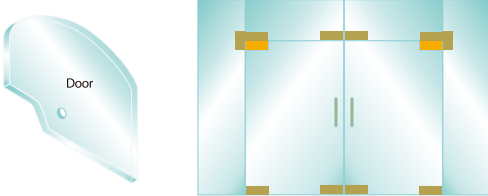


GLASS FABRICATION REQUIRED:
One 3/4" (19mm) diameter hole and corner notch

TOP ARC DOOR PATCH (DM INSERT)



ITEM NO.	FINISH
PF20ADM - AL	ALUMINUM
PF20ADM - PB	POLISHED BRASS
PF20ADM - BS	BRUSHED STAINLESS
PF20ADM - PS	POLISHED STAINLESS

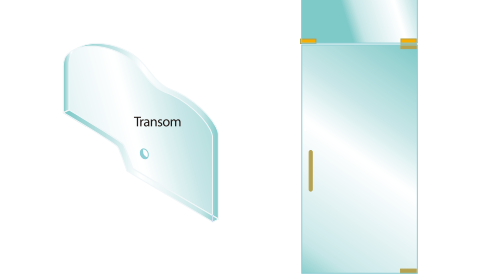


GLASS FABRICATION REQUIRED:
One 3/4" (19mm) diameter hole and corner notch

WALL ARC MOUNTED TRANSOM PATCH (DM INSERT)



ITEM NO.	FINISH
PF30ADM-AL	ALUMINUM
PF30ADM-PB	POLISHED BRASS
PF30ADM-BS	BRUSHED STAINLESS
PF30ADM-PS	POLISHED STAINLESS



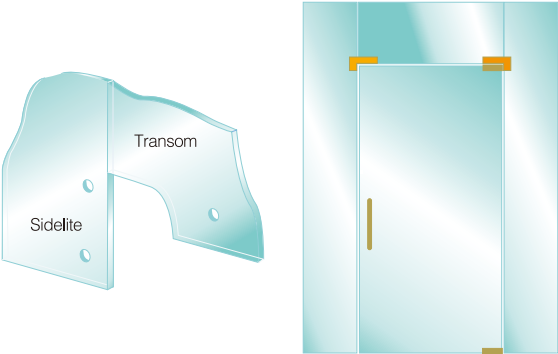
GLASS FABRICATION REQUIRED:
One 3/4" (19mm) diameter hole and corner notch

FRAMELESS GLASS DOOR HARDWARE

SIDELITE ARC MOUNTED TRANSOM PATCH (DM INSERT)

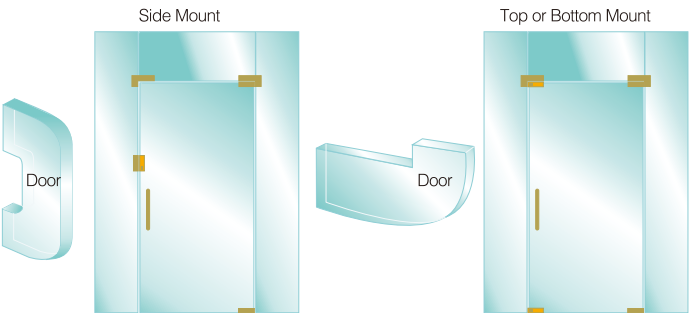


GLASS FABRICATION REQUIRED:
 One 3/4" (19mm) diameter hole and corner notch



ITEM NO.	FINISH
PF40ADM - AL	ALUMINUM
PF40ADM - PB	POLISHED BRASS
PF40ADM - BS	BRUSHED STAINLESS
PF40ADM - PS	POLISHED STAINLESS

WALL ARC MOUNTED TRANSOM PATCH (DM INSERT)



ITEM NO.	FINISH
PL10CA-AL	ALUMINUM
PL10CA-PB	POLISHED BRASS
PL10CA-BS	BRUSHED STAINLESS
PL10CA-PS	POLISHED STAINLESS

FRAMELESS GLASS DOOR HARDWARE

Specifications:

PATCH FITTINGS :

North american north american
standard is 2-3/4" (70mm)
(finished opening to pivot center)

EUROPEAN

European standard is 2-9/16" (65mm)
(finished opening to pivot center)

FINISHES AVAILABLE:

Aluminum Polished stainless
Polished brass Brushed stainless
Gaskets supplied when required

Maximum Door Weight : 176lbs. (80kg)
Maximum Door Width : 43" (1100mm)

For doors weighing over 176 lbs. (80kg)
and up to 264 lbs. (120 kg), or doors with
widths over 43"(1100mm) and up to 55"
(1400mm), door rails should be used

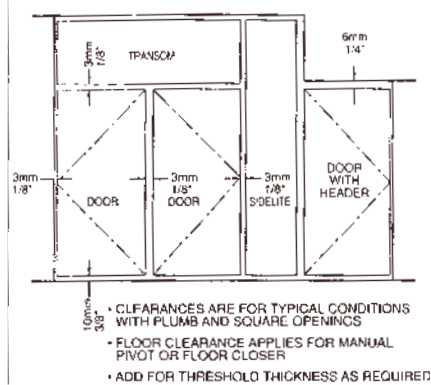
GLASS ASPECT RATIO:

Panel height not to exceed seven times
panel width (7:1)

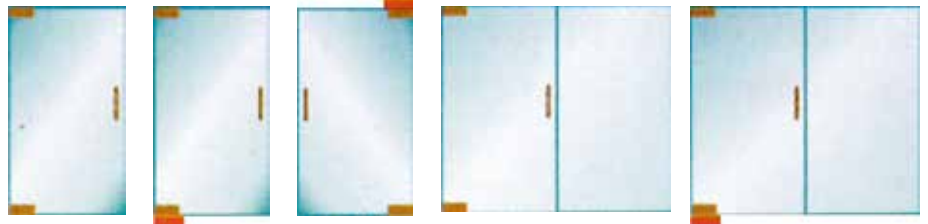
SUPPORT FINS:

As a general guide, when the height of
the transom, plus the width of the side
panel exceeds a total of 47" (1200mm) a
Support Fin is needed. This will cope
with loads imposed on the assembly by
the action of the door, or doors, and
external wind loads. the Support Fins
will be securely fixed to a suitably rigid
structure at the top of the assembly.

STANDARD HARDWARE / GLASS CLEARANCES



POPULAR CONFIGURATIONS OF TOUGHENED GLASS ASSEMBLIES



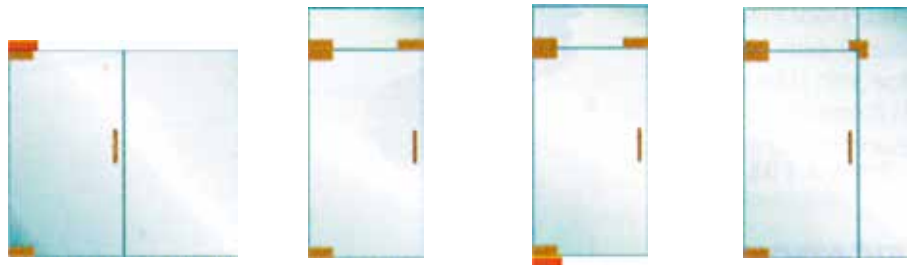
Single door with
manual top and
bottom pivots

Single door
with floor closer

Single door
with concealed
overhead closer

Single door and sidelite
with top and bottom
manual pivots

Single door and
sidelite with floor closer

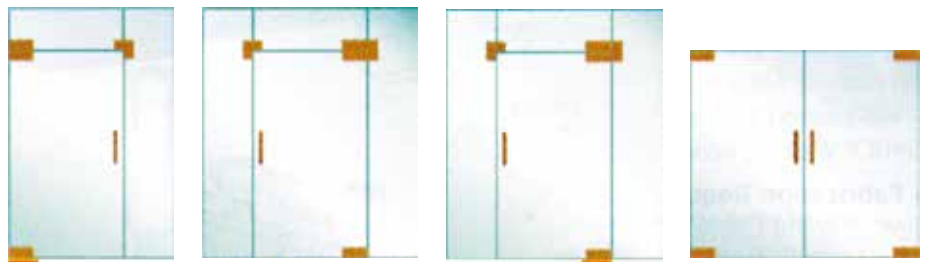


Single door and sidelite
with concealed overhead
closer

Single door and transom
with top and bottom
manual pivots

Single door and transom
with floor closer

Single door, transom and
sidelite with top and
bottom manual pivots

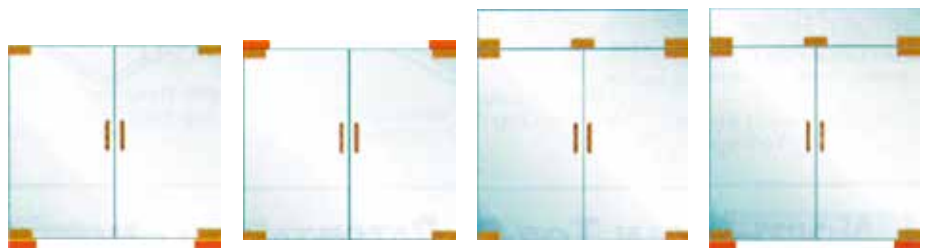


Single door, transom
and sidelite with floor
closer

Single door, transom and
sidelites with top and
bottom manual pivots

Single door, transom and
sidelites with floor closer

Single doors with top and
bottom manual pivots



Paired doors with floor
closers

Paired doors with
concealed overhead
closers

Paired doors and
transom with top and
bottom manual pivots

Paired doors and transom
with floor closers



Paired doors, transom
and sidelite with top
and bottom manual
pivots

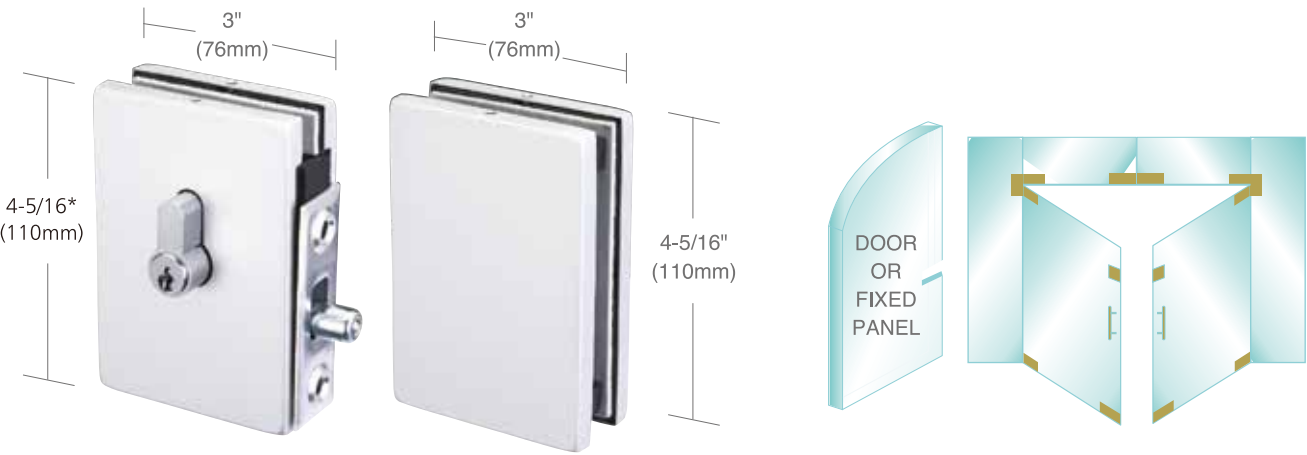
Paired doors, transom and
sidelite with floor closers

Paired doors, transom
and sidelites with top and
bottom manual pivots

Paired doors, transom
and sidelites with floor
closers

FRAMELESS GLASS DOOR HARDWARE

EUROPEAN SERIES CENTER HOUSED PATCH LOCK AND KEEPER (FOR GLASS TO GLASS MOUNT APPLICATIONS, SOLD SEPARATELY)

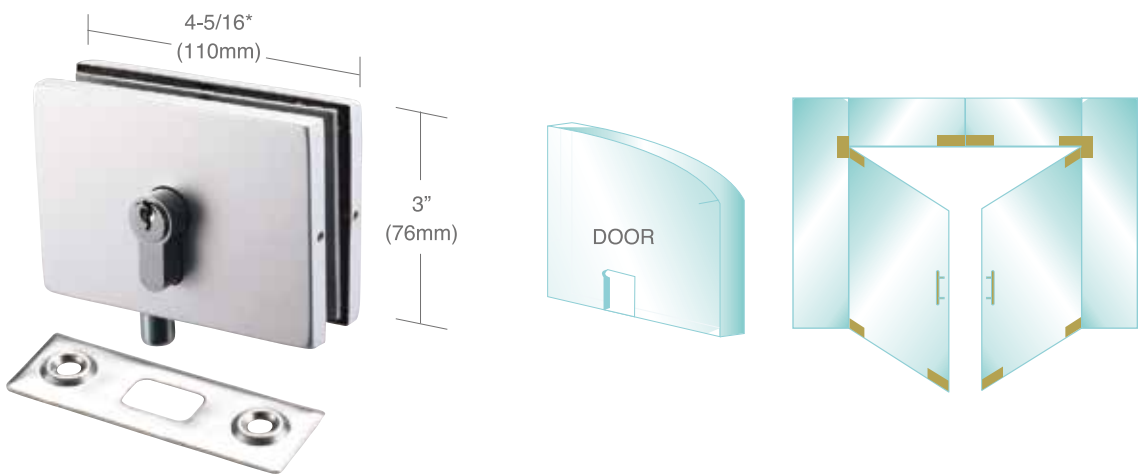


ITEM NO.	FINISH
PF681 - AL	ALUMINUM
PF681 - PB	POLISHED BRASS
PF681 - BS	BRUSHED STAINLESS
PF681 - PS	POLISHED STAINLESS

ITEM NO.	FINISH
PF682 - AL	ALUMINUM
PF682 - PB	POLISHED BRASS
PF682 - BS	BRUSHED STAINLESS
PF682 - PS	POLISHED STAINLESS

*Euro profile cylinders included

EUROPEAN SERIES GLASS MOUNTED PATCH LOCK WITH KEEPER PLATE (FOR FLOOR AND JAMB MOUNT APPLICATIONS)



ITEM NO.	FINISH
PF680 - AL	ALUMINUM
PF680 - PB	POLISHED BRASS
PF680 - BS	BRUSHED STAINLESS
PF680 - PS	POLISHED STAINLESS

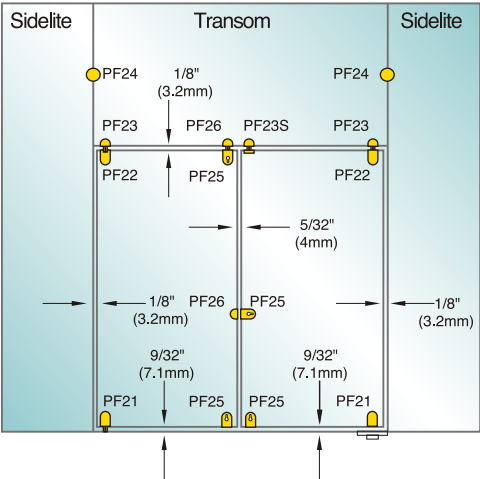
*Euro profile cylinders included

FRAMELESS GLASS DOOR HARDWARE

PF SERIES PATCH FITTINGS :

A complete selection for single or double doors, transoms, and sidelites fittings

For 3/8" or 1/2"(10 or 12mm) glass



TOP DOOR PATCH

ITEM NO.	FINISH
PF22 - AL	ALUMINUM
PF22 - PB	POLISHED BRASS
PF22 - BS	BRUSHED STAINLESS
PF22 - PS	POLISHED STAINLESS

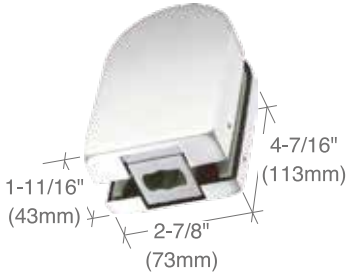
*Template included



BOTTOM DOOR PATCH

ITEM NO.	FINISH
PF21 - AL	ALUMINUM
PF21 - PB	POLISHED BRASS
PF21 - BS	BRUSHED STAINLESS
PF21 - PS	POLISHED STAINLESS

*Template included



PATCH CONNECTOR

ITEM NO.	FINISH
PF24 - AL	ALUMINUM
PF24 - PB	POLISHED BRASS
PF24 - BS	BRUSHED STAINLESS
PF24 - PS	POLISHED STAINLESS

*Template included



TOP TRANSOM PIVOT PATCH

ITEM NO.	FINISH
PF23 - AL	ALUMINUM
PF23 - PB	POLISHED BRASS
PF23 - BS	BRUSHED STAINLESS
PF23 - PS	POLISHED STAINLESS

*Template included



PATCH CONNECTOR

ITEM NO.	FINISH
PF23S-AL	ALUMINUM
PF23S-PB	POLISHED BRASS
PF23S-BS	BRUSHED STAINLESS
PF23S-PS	POLISHED STAINLESS

*Template included

GLASS MOUNTED PATCH LOCK

ITEM NO.	FINISH
PF25 - AL	ALUMINUM
PF25 - PB	POLISHED BRASS
PF25 - BS	BRUSHED STAINLESS
PF25 - PS	POLISHED STAINLESS

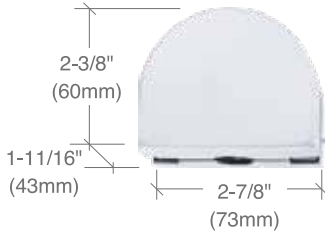
*Template included



GLASS MOUNTED PATCH LOCK KEEPER

ITEM NO.	FINISH
PF26 - AL	ALUMINUM
PF26 - PB	POLISHED BRASS
PF26 - BS	BRUSHED STAINLESS
PF26 - PS	POLISHED STAINLESS

*Template included



PFC90 PATCH FLOOR CLOSER



PRODUCT FEATURES:

- Fixed power size 3
- Adjustable closing & latching speed
- Maximum door opening angle at 170°
- Maximum door control opening angle at 170°
- Mechanical hold-open at 90° (optional upon request)

APPLICATION RANGES:

- Suitable for double action door
- Available for light & medium duty door

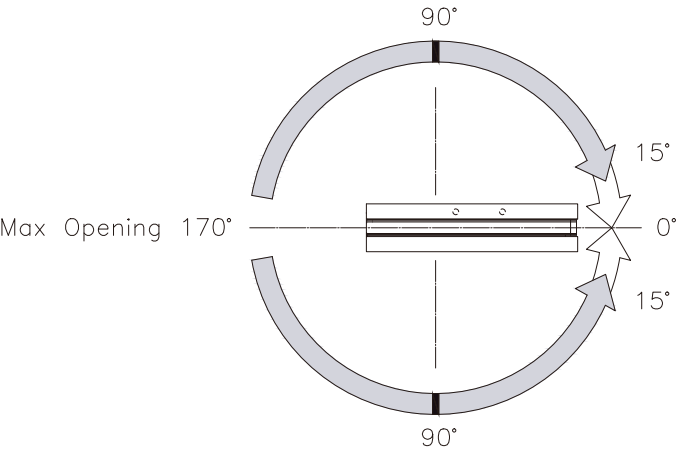
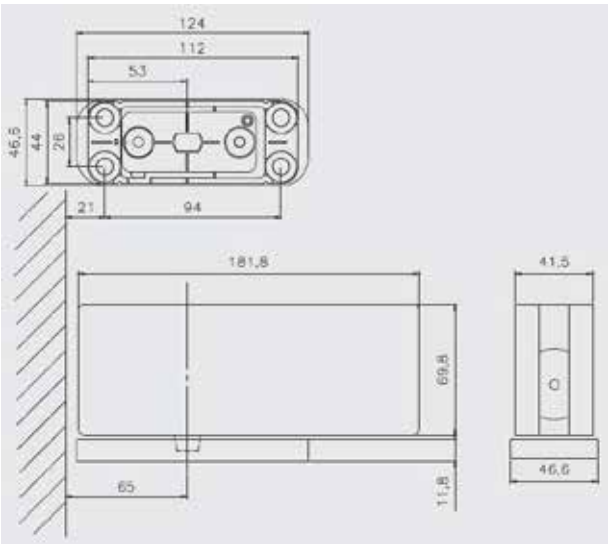
FINISH:

- US32D (satin stainless steel) or other finishes upon request

POWER SIZE 3	
Max. door width (mm)	1000
Max. door weight (kg)	100
Available glass thickness (mm)	8~13

*According to UL 228 testing regulation, the door weight over 57kg may not fully comply with UL 228 standard.

DIMENSIONS:



GLASS WALL SPIDER FITTING

4- WAY ARM

Item No. SP-200-4S



SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
2000N / 1200N

3-WAY ARM

Item No. SP-200-3S



SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL / RADIAL LOAD (N) :**
2000N / 1200N

DOUBLE ARM-180°

Item No. SP-200-2S180



SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL / RADIAL LOAD (N) :**
2000N / 1200N

GLASS WALL SPIDER FITTING

DOULBE ARM-90°

Item No. SP-200-2S90



SINGLE SHORT ARM

Item No. SP-200-1SS



SINGLE LONG ARM

Item No. SP-200-1SL



SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
2000N / 1200N

SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL / RADIAL LOAD (N) :**
2000N / 1200N

SPECIFICATIONS

- For Use with Glass Up to 1-1/16"
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL / RADIAL LOAD (N) :**
2000N / 1200N

GLASS WALL SPIDER FITTING

DOUBLE ARM WALL / FIN MOUNT SPIDER FITTING Item No. SP-200K-2S



FOUR ARM WALL / FIN MOUNT SPIDER FITTING Item No. SP-200K-4S



SPECIFICATIONS

- For Use with 1/2" to 5/8" Glass
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
2000N / 1200N

SPECIFICATIONS

- For Use with 1/2" to 5/8" Glass
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL / RADIAL LOAD (N) :**
2000N / 1200N

GLASS WALL SPIDER FITTING

SPIDER FITTING CONNECTOR

Item No. SP-Z01



SPECIFICATIONS

- **MATERIAL** : Stainless Steel
- **FINISHES** :
Brushed Stainless Steel or Polished Stainless Steel

SPIDER FITTING CONNECTOR

Item No. SP-Z02



SPECIFICATIONS

- **MATERIAL** : Stainless Steel
- **FINISHES** :
Brushed Stainless Steel or Polished Stainless Steel

GLASS WALL SPIDER FITTING

SPIDER FITTING CONNECTOR

Item No. SP-T01



SPECIFICATIONS

- For Use with 3/8" to 1/3" Glass
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
4500N / 2000N

SPIDER FITTING CONNECTOR

Item No. SP-T02



SPECIFICATIONS

- For Use with 3/8" to 1/3" Glass
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
4500N / 2000N

SPIDER FITTING CONNECTOR

Item No. SP-T03



SPECIFICATIONS

- For Use with 1/2" to 7/8" Glass
- **FINISHES :**
Brushed Stainless Steel or Polished Stainless Steel
- **AXIAL /RADIAL LOAD (N) :**
5000N / 2500N

COMMERCIAL DOOR PULL



SPECIFICATIONS

- **CENTER TO CENTER** : 10" or 12"
(Custom length also available)
- **DIAMETER** : 1"
Attractive design combinations increase
usability for people of all heights
- **FINISHES** : AL, DU

SPECIFICATIONS

- Fits 3/8" - 3/4" (10 - 19 mm) Glass
- **DIAMETER** : 1" (25mm)
- **MATERIAL** : Stainless Steel or Brass Tubing
- **GLASS FABRICATION** : 3-5/8" (16 mm)
- **DIAMETER HOLES** : 28" (711 mm CTC)

** TEMPERED GLASS Use Only

INCLUDES

- 2 Through bolts for Glass mounting
- 4 Metal Washers — 1-1/4" diameter with rubber gaskets.



COMMERCIAL DOOR PULL



SPECIFICATIONS

- **CENTER TO CENTER** : 10" to 12"
(Custom length also available)
- **DIAMETER** : 1"
- **GLASS THICKNESS RANGE** : 3/8" to 3/4"
- **FINISHES** : Polished Stainless, Brushed Stainless
Choice of no washer or with metal



SPECIFICATIONS

- **CENTER TO CENTER** : 10" to 12"
(Custom length also available)
- **DIAMETER** : 1"
- **GLASS THICKNESS RANGE** : 3/8 " to 3/4"
- **FINISHES** : Polished Stainless, Brushed Stainless
Choice of no washer or with metal



SPECIFICATIONS

- **CENTER TO CENTER** : 12 " to 48"
(Custom length also available)
- **DIAMETER** : 1"
- **GLASS THICKNESS RANGE** : 3/8" to 3/4"
- **FINISHES** : Brushed Stainless, Polished Stainless
Choice of no washer or with metal washer,
stainless washer



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