



AMENDMENTS LIST

COMAR 7Pi FOLDING SLIDING DOORS

PAGE No.	AMENDMENT NOTES
1.06	EC026 added.
1.07	LK7017, LK7018 and WS7020 added. WS7015 updated.
1.08	FX7005, WS7009 and WS7010 removed. WS7005 , FX7009 and FX7010 added.
1.13	New page - Economy Door
2.01	Drip options added.
2.02	Drip options added.
2.03	Drip options added.
2.04	Drip options added.
2.05	Drip option added.
2.06	Drip option added.
2.21	Drip options added.
2.22	Drip options added.
2.23	Drip options added.
2.24	Drip option added.
2.25	Drip option added.
2.26	Drip option added.
2.31	LK7006 pull handle shown.
3.01	19.5 dimension added.
3.02	Clearer graphic for routing 'A' and 'B' slots. Rod codes/lengths added/amended.
3.03	Clearer graphic for routing 'A' and 'B' slots. Rod codes/lengths added/amended.
3.06	LK7008 gearbox and LK7007 packers shown.
3.07	LK7008 gearbox and LK7007 packers shown.
3.10	Wheel height presets and adjustment notes shown.
3.13	WS7005 hammer pin fixing option added. Clamp plate security note added.
3.14	Dimensions adjusted for clarity.
3.15	Assembly method and glue note added.
3.16	Screw fixing codes added.
3.17	Screw fixing codes added.
3.18	Screw fixing codes added.
3.20	LK7004 fitting with adjacent preparations indicated.
3.21	Screw fixing code added.
3.22	WS7015 holes amended. Security hinge fittings indicated.
3.23	No.10 fixing increase in length and code added. Jamb end prep option/note amended.
3.27	FX7005, FX7006 and WS7009 removed.
3.28	Threshold preparation removed. EC7026 alternative jamb preparation shown.
3.29	2.8 x 4 slot preparation removed.
3.30	Head and sill track cutting added.
3.31	FX7005, FX7006 and WS7010 removed.
3.32	Threshold preparation removed. Page now blank.
3.33	Track cover plate preparation removed. Page now blank.
3.37	Slot cut out for shootbolt increased in size and location.
3.39	Dimensional amendment to cutout to be neater to 1/2 wheel and allow for LK7018 keep.
3.40	LK7018 keep location and fitting indicated.
3.41	Screw fixing codes added.



AMENDMENTS LIST

COMAR 7Pi FOLDING SLIDING DOORS

PAGE No.	AMENDMENT NOTES
3.46	Silicone note added.
3.47	Silicone note added.
3.48	Silicone note added.
3.50	LK7008 ancillary parts and preparation indicated.
3.51	LK7012 stile preparation indicated.
3.52	LK7012 ancillary parts and preparation indicated.
3.53	CS7009 drip preparation indicated.
3.54	WS7020 magnetic door stop fitting - open in indicated.
3.55	WS7020 magnetic door stop fitting - open out indicated.
6.01	Glass center pane value amended.
6.02	Glass center pane value amended.



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Gaskets & Accessories	1.05
Injection Moulded Components	1.06
Locks, Hinges and Hardware Accessories	1.07 - 1.08
Door Hinge Configurations	1.09
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	Jamb Section - Open In - Fixed Jamb	2.07
3	Jamb Section - Open In - Adjustable Jamb - Minimum Setting	2.08
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COMAR 7Pi FOLDING SLIDING DOORS

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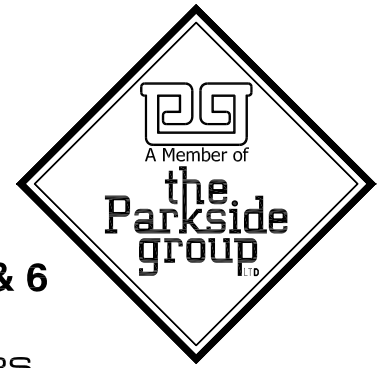


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COMAR 7Pi FOLDING SLIDING DOORS

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COMAR 7Pi FOLDING SLIDING DOORS

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INTRODUCTION

COMAR 7 Pi FOLDING SLIDING DOORS

demonstrates a continuation of Comar's innovative approach to the design of Architectural Aluminium products.

The extensive range of high performance door profiles is designed for fabricators to meet the requirements of the latest Building Regulations and the Disability Discrimination Act. This allows specifiers more choice to deliver an improved performance to the more discerning customer.

The doors can integrate with all Comar systems which allows for flexibility of design on projects in both the commercial and domestic markets.

A range of door configurations are available with even and uneven panel numbers. They can range from two panels stacking one way to eight panels both ways.

The incorporation of a hinged door option either as single or double doors allows for easy exit or entry without having to open the whole door set.

Due to the weight of the doors being transferred to the sill track, the doors can be used with confidence without fear of jamming. No weight is carried on the header bar therefore there is no danger of the panels dropping.

Rollers are fitted between the stiles and not seen in the closed position. In the open position, due to the rollers being encapsulated within the track, total finger protection is assured.

For panel sizes exceeding 1100mm wide, 2400mm high or a door leaf weight greater than 80Kgs please contact Comar's Technical Department.
Maximum width of assembly stacking to one side to not exceed length of track profile as an operating roller should not pass over a track joint.

Glazing beads and gaskets allow for a glazing thickness range from 17mm to 62mm.

All technical aspects of the range are covered in the product manual and further information is available from Comar's Technical Department for specific contract requirements.



SPECIFICATION

COMAR 7Pi FOLDING SLIDING DOORS

The Comar 7 Pi Folding Sliding Doors exhibit the highest standards of design appeal, strength and durability for today's commercial market.

MATERIALS

Extruded profiles are of aluminium alloy 6063 T5 or T6 to BS EN 755 and BS EN 12020 E.P.D.M. Gaskets are extruded from E.P.D.M. rubber

FINISHES

Aluminium profiles are finished to the following specifications:
Silver, Bronze and Black anodising to BS EN 12373-1:2001 or BS 3987
Liquid organic coating to BS 4842 or Polyester powder coating to BS 6496

CONSTRUCTION

Outer frame is square cut and assembled on site. Door sashes are mitre cut with either mechanical or crimp cleat formation.
A clip-in PVC profile to all sash edges provides an intermediate weathering seal giving a total of three seals for superior system performance and tidy appearance to door edges when stacked.

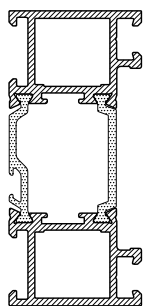
GLAZING

Glass is set dry against E.P.D.M. gasket and retained by clip-in beads internally.
A wide range of glazing beads and gaskets allow for a choice of glazing thickness' from 17mm to 62mm.

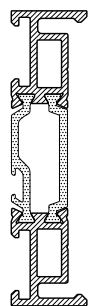
SPECIFICATION

In the absence of a British Standard for commercial entrance doors Comar Entrance Door System conforms to recognized industry standards adopted by CWCT and other trade associations.
i.e. The Council for Aluminium in Building (CAB).
The doors also conform to many of the requirements for aluminium windows specification BS4873.

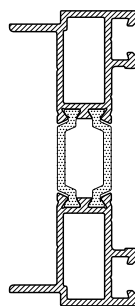
All technical aspects for this product are covered in the product manual and further information is available from Comar's Technical Department for specific contract requirements.



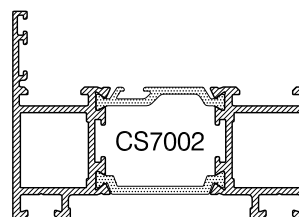
CS7001
35mm FIXED JAMB



CS7004
ADJUSTABLE JAMB
PART A



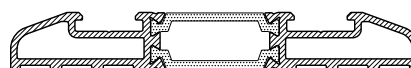
CS7005
ADJUSTABLE JAMB
PART B



CS7002
55mm FLAT FACE
FOLDING DOOR LEAF



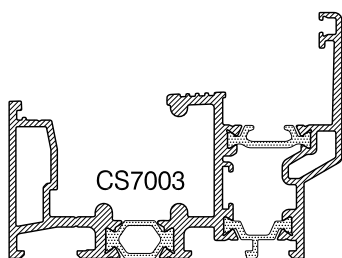
CS7009
DRIP SECTION



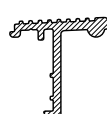
CS7006
DOUBLE RAMP THRESHOLD



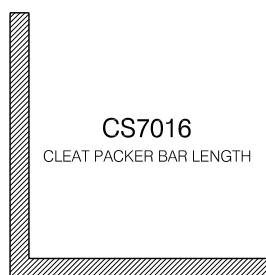
CS7007
17.5mm ADAPTER



CS7003
HEAD & SILL TRACK REBATED



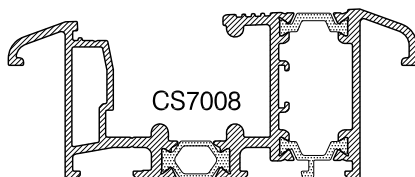
CS7014
TRACK COVER PLATE



CS7016
CLEAT PACKER BAR LENGTH



CS7011
HINGE PLATE



CS7008
DOUBLE RAMP SILL TRACK



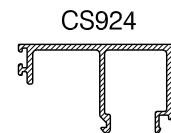
CS7012
LOCK PLATE



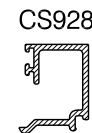
CS7015
STILE SECURITY &
STRENGTHENER



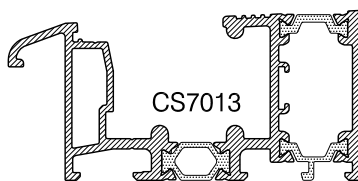
CS920
IN LINE "H" COUPLER



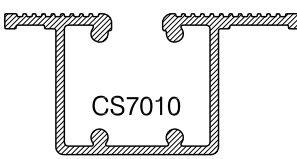
CS924
GLAZING BEAD 17-23mm



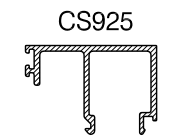
CS928
GLAZING BEAD 41-47mm



CS7013
SINGLE RAMP SILL TRACK



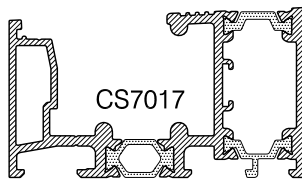
CS7010
SILL TRACK NON THERMAL
SPECIAL ORDER



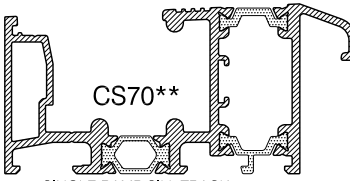
CS925
GLAZING BEAD 23-29mm



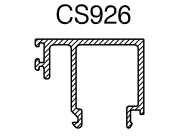
CS929
GLAZING BEAD 47-53mm



CS7017
SILL TRACK



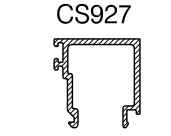
CS70**
SINGLE RAMP SILL TRACK
SPECIAL ORDER



CS926
GLAZING BEAD 29-35mm



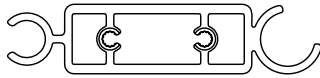
CS930
GLAZING BEAD 53-62mm



CS927
GLAZING BEAD 35-41mm

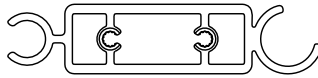


WS869XKIT



SUB SILL CLEAT
(2 x 17.2 / 2 x 11.7)
FOR USE WITH CS890
SUB SILL

WS870XKIT



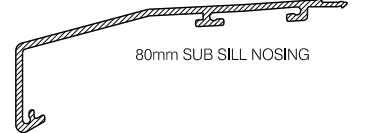
SUB SILL CLEAT
(2 x 17.2 / 4 x 11.7)
FOR USE WITH CS894 &
CS898 SUB SILL

CS588



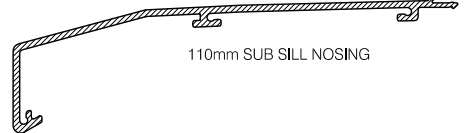
52mm SUB SILL NOSING

CS590



80mm SUB SILL NOSING

CS592



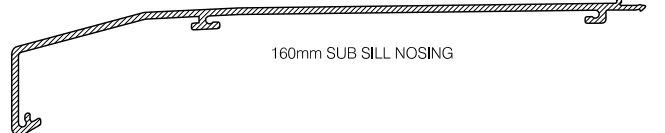
110mm SUB SILL NOSING

CS594



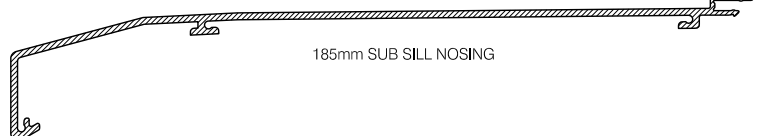
140mm SUB SILL NOSING

CS596



160mm SUB SILL NOSING

CS598



185mm SUB SILL NOSING

EC890

95mm SILL END CAP

EC541

SUB SILL NOSING
END CAP

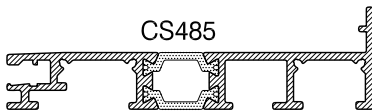
EC894

155mm SILL END CAP

EC898

195mm SILL END CAP

CS485



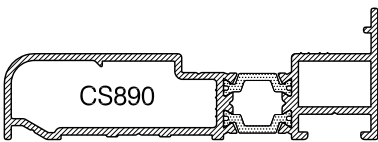
FRAMEWORK SUB SILL (T.B.)

CS894



155mm SILL

CS890



95mm SILL

CS898



195mm SILL



GK7001



HEAD & SILL
FLIPPER

GK7002



LOW THRESHOLD
FLIPPER

GK7003



JAMB
COMPRESSION
SEAL

GK7004



PASS DOOR
COMPRESSION
SEAL

GK7005



BI-PART
COMPRESSION
SEAL 'A'

GK7006



BI-PART
COMPRESSION
SEAL 'B'

GK7013



HEAD & SILL
EXTENDED FLIPPER

GK906



6mm GLAZING WEDGE

GK908



8mm GLAZING WEDGE

GK910



10mm GLAZING WEDGE

GK840



WEATHER
SEAL GASKET

GK422



2mm ARROW
HEAD GASKET
BLACK STRIP

GK425



5mm ARROW
HEAD GASKET
BLUE STRIP

GK841



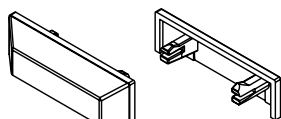
WEATHER
SEAL GASKET

WP7001



LOW THRESHOLD
CENTRE SEAL

WS023EWHT
WS023DBLK



DRAINAGE CAP

WS901XSLF



SECURITY GLAZING
CLIP 24mm

GK951



GLAZING SUPPORT

FX048XSLF



RIVET FOR DRIP

WS902XSLF



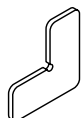
SECURITY GLAZING
CLIP 28mm

GK952



GLAZING SUPPORT

WS7001XSLF



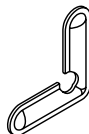
DOOR LEAF CHEVRON

WS916XSLF



ALIGNMENT FOR
TRANSOM / MULLION

WS015XSLF



CHEVRON

WS903XSLF



SECURITY GLAZING
CLIP 32mm

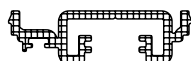
GK953



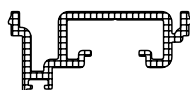
GLAZING SUPPORT



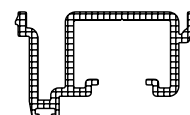
GK7008
CENTRE SEAL CARRIER



GK7009
MULTI POINT LOCK CARRIER



GK7010
KEEP CARRIER

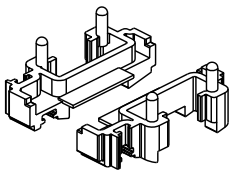


GK7011
BI PARTING DOOR KEEP
& LOCK CARRIER



GK7012
THERMAL CAVITY FOAM CARRIER





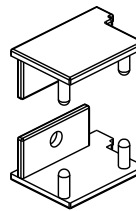
EC7001

CENTRE SEAL LOCK CARRIER BLOCK



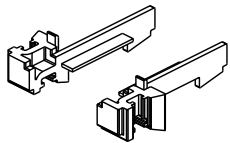
EC7007

ADJUSTABLE JAMB 'A' TENON INSERT



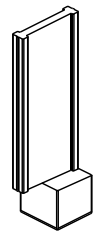
EC7013

BI PARTING CARRIER END CAP



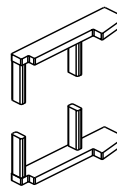
EC7002

CENTRE TO CENTRE WHEEL BLOCK



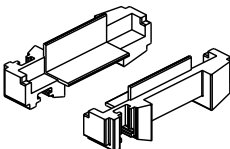
EC7008

ADJUSTABLE JAMB 'B' TENON INSERT



EC7014

CENTRE SEAL END CAP



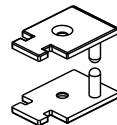
EC7003

CENTRE TO CENTRE BLOCK



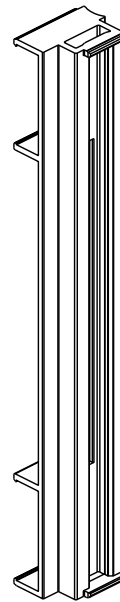
EC7011

17.5mm ADAPTER
GASKET RETURN CAP



EC7015

17.5mm ADAPTER END CAP



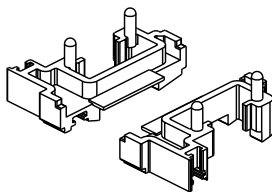
EC7012

BI PARTING ROLLER ADAPTER CARRIER



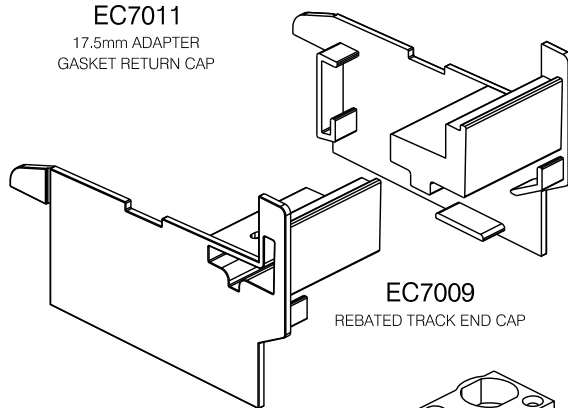
EC7016

MASTER LOCK
SHOOTBOLT KEEP



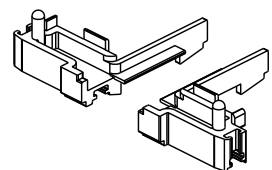
EC7004

CENTRE SEAL KEEP CARRIER BLOCK



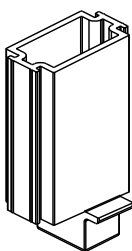
EC7009

REBATED TRACK END CAP



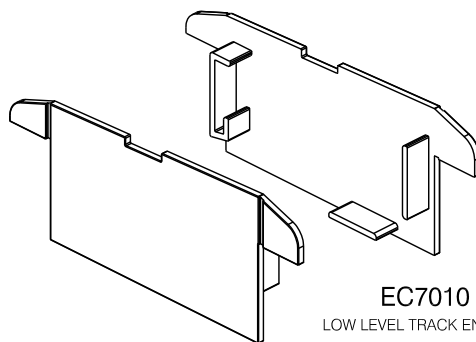
EC7005

CENTRE SEAL BI PARTING BLOCK



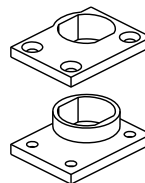
EC7006

FIXED JAMB
TENON INSERT



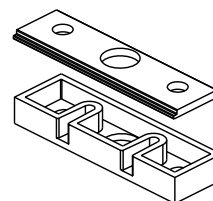
EC7010

LOW LEVEL TRACK END CAP



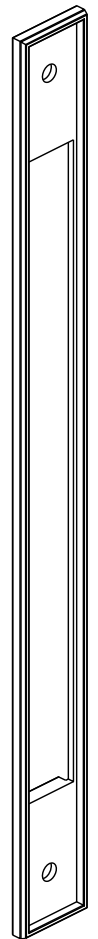
WS7011

SHOOTBOLT ROD
GUIDE PLATE



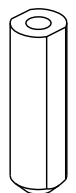
LK7007

SHOOTBOLT LOCATION BLOCKS



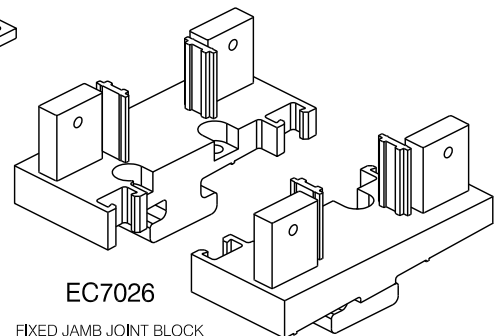
LK7013

SLAVE LEAF
SHOOTBOLT SHROUD



LK7010

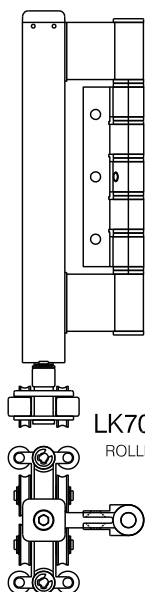
SHOOTBOLT ROD
END CAPS



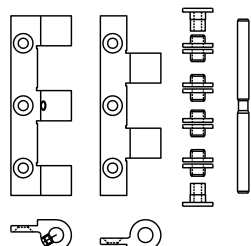
EC7026

FIXED JAMB JOINT BLOCK

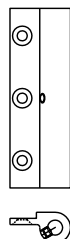




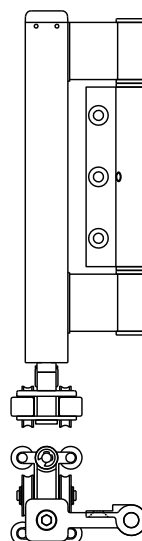
LK7001
ROLLER



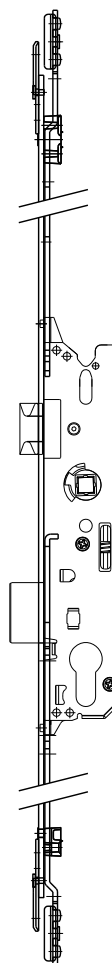
LK7002
DOOR HINGE



LK7003
DOOR 1/2 HINGE



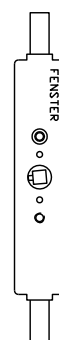
LK7004
1/2 WHEEL
BI-PARTING DOORS



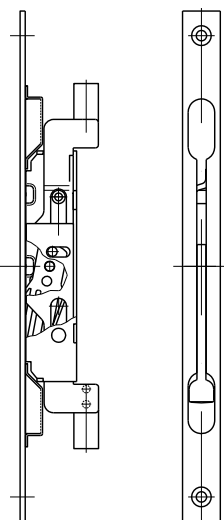
LK7005
25mm MASTER LOCK BODY



LK7006
HINGE HANDLE



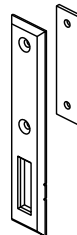
LK7008
SHOOTBOLT BODY



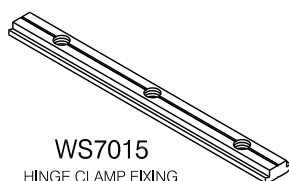
LK7014 / LK7015
LH / RH CENTRE LOCK KEEP



WS7013
STILE GASKET
SUPPORT



LK7018
LOCK KEEP TO 1/2
ROLLER (DETAIL 8)



WS7015
HINGE CLAMP FIXING



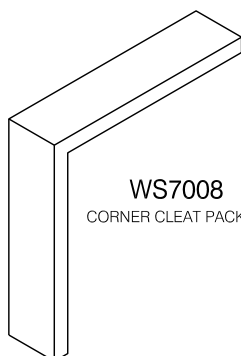
WS7014
BI-PART WHEEL
ADAPTER FIXING



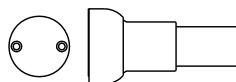
LK7012 & LK7017
SLAVE LEAF SHOOTBOLT



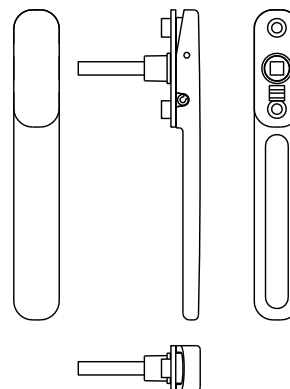
WS7012
LATCH BLOCK



WS7008
CORNER CLEAT PACKER



WS7020
MAGNETIC DOOR STOP - LONG

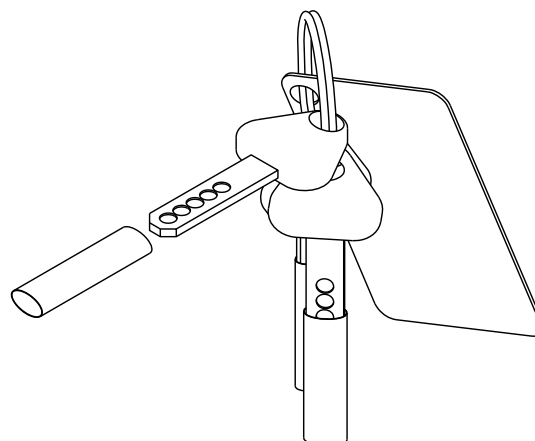
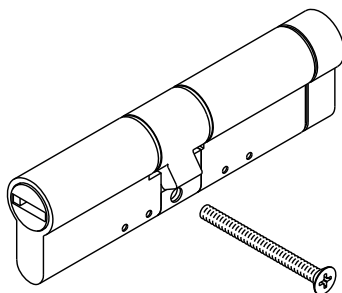


LK7011
SHOOTBOLT HANDLE

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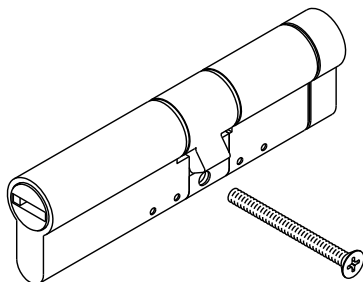
LK7560

ABS 50/60 Security Eurolock
Cylinder & Three Security Keys for
Open In Configurations



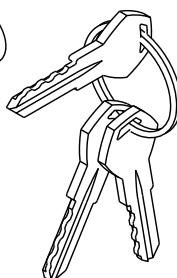
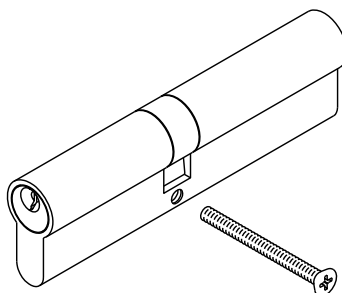
LK7650

ABS 60/50 Security Eurolock
Cylinder & Three Security Keys for
Open Out Configurations

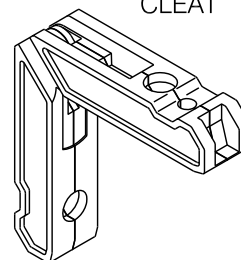


LK7605

ABS 60/50 Eurolock Cylinder &
Three Keys for Open In or Open
Out Configurations



WS7002 XSLF
CLEAT



FX7001 XSLF
No.4 x 13 Csk Head
Self Drill



FX7006 XSLF
M4 x 12mm Pan Head
Machine Screw



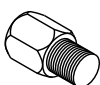
FX7010 XSLF
M5 x 8 Csk
Machine Screw



WS7003 XSLF
SCREW CLEAT PIN



FX7002 XSLF
No.6 x 9.5 Pan
Head Self Drill



FX7007 XSLF
M8 to M10
Threaded Adaptor



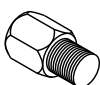
FX7011 XSLF
No.10 x32 Csk Screw



WS7005 XSLF
HAMMER CLEAT PIN



FX7002 XSLF
No.6 x 9.5 Pan
Head Self Drill



FX7007 XSLF
M8 to M10
Threaded Adaptor



FX7011 XSLF
No.10 x32 Csk Screw



WS7005 XSLF
HAMMER CLEAT PIN



FX7003 XSLF
No.6 x 19 Pan
Head Self Drill



FX7008 XSLF
M4 x 10 Csk
Socket Screw



FX7011 XSLF
No.10 x32 Csk Screw



WS7004 XSLF
KEEP CLAMP
PLATE



FX7003 XSLF
No.6 x 19 Pan
Head Self Drill



FX7008 XSLF
M4 x 10 Csk
Socket Screw



FX7011 XSLF
No.10 x32 Csk Screw



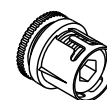
WS7004 XSLF
KEEP CLAMP
PLATE



FX7004 XSLF
No.8 x 13 Pan Head
Self Drill



FX7009 XSLF
M4 x 16 Csk Posi
Machine Screw



WS7006 XSLF
ADJUSTABLE
JAMB BLOCK



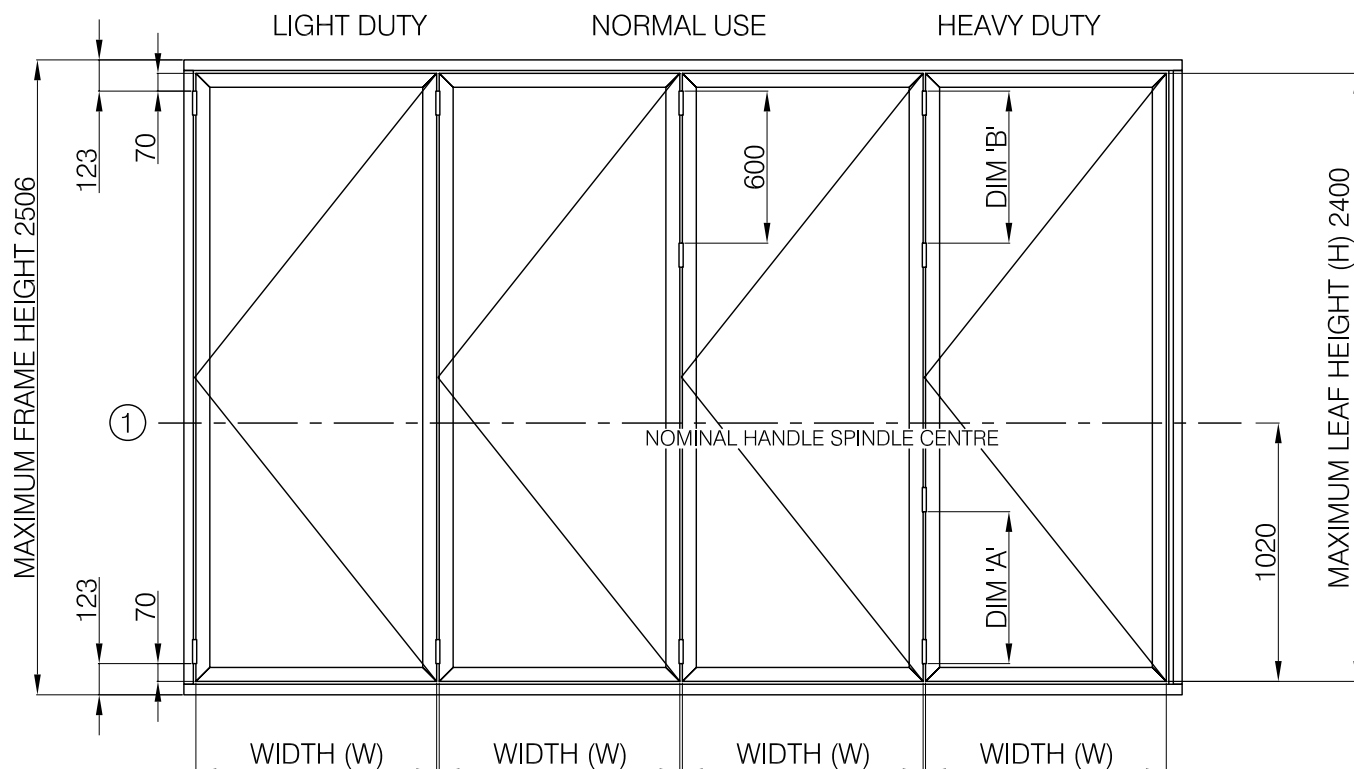
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SCALE	1: 2	© A4
DATE	30-08-2013	
DRAWN	JPRG / CAD	
DRG. No.	C7-Pi-FS 1.08	R1



TWO HINGES FOR LIGHT DUTY USE (WINDOW HEIGHT TO SMALL DOOR). LEAF HEIGHT 650mm TO 1705mm.

THREE HINGES FOR NORMAL USE (DOMESTIC TO LIGHT INDUSTRIAL). LEAF HEIGHT 1706mm TO 2100mm.

FOUR HINGES FOR HEAVY DUTY USE (DOMESTIC TO HEAVY INDUSTRIAL). LEAF HEIGHT 2101mm TO 2400mm.

WITH TWO HINGES FITTED
MAX DOOR LEAF SIZE (W x H)
1100mm x 1705mm
MAX WEIGHT PER LEAF 80Kg

APPLICATIONS
WINDOW HEIGHT AND SMALL DOOR
ACCESS.

WITH THREE HINGES FITTED
MAX DOOR LEAF SIZE (W x H)
1100mm x 2100mm
MAX WEIGHT PER LEAF 80Kg

APPLICATIONS
STANDARD DOMESTIC TO LIGHT
INDUSTRIAL USE.

UPPER INTERMEDIATE HINGE AT 600mm.

WITH FOUR HINGES FITTED
MAX DOOR LEAF SIZE (W x H)
1100mm x 2400mm
MAX WEIGHT PER LEAF 80Kg

APPLICATIONS
TALL DOORS FOR STANDARD DOMESTIC
TO HEAVY INDUSTRIAL / PUBLIC ACCESS.

LOWER INTERMEDIATE HINGE - DIM 'A'
LEAF (H) 2101mm TO 2200mm = 600mm
LEAF (H) 2201mm TO 2400mm = 700mm

UPPER INTERMEDIATE HINGE - DIM 'B'
LEAF (H) 2101mm TO 2200mm = 600mm
LEAF (H) 2201mm TO 2300mm = 700mm
LEAF (H) 2301mm TO 2400mm = 800mm

① ENSURE THAT HANDLES AND THEIR OPERATION DO NOT INTERFERE WITH OR CLASH WITH THE HINGES.



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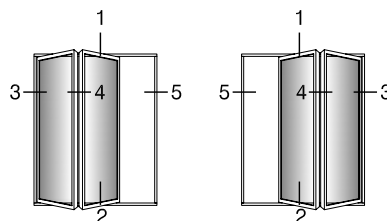


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DATE	27-07-2012	
DRAWN	JPRG / CAD	
DRG. No.	C7-Pi-FS 1.09	R0

TWO PANEL OPTIONS



MAX OUTER FRAME WIDTH
2330mm - 2350mm
UPON JAMB AND DOOR
ABUTMENT DETAIL

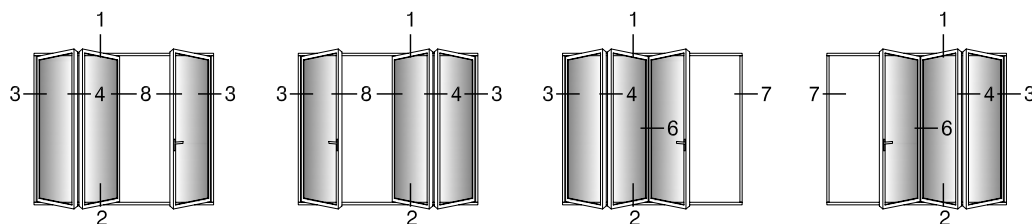
NOTE!
LEAF WEIGHT ABOVE 80KG IS NOT RECOMMENDED
AS FRAME DISTORTION MAY OCCUR.

DOOR STACKS ABOVE 8 LEAFS IN ONE DIRECTION
SHOULD NOT BE MANUFACTURED AS FRAME
DISTORTION MAY OCCUR.

MAX OUTER FRAME HEIGHT 2506mm

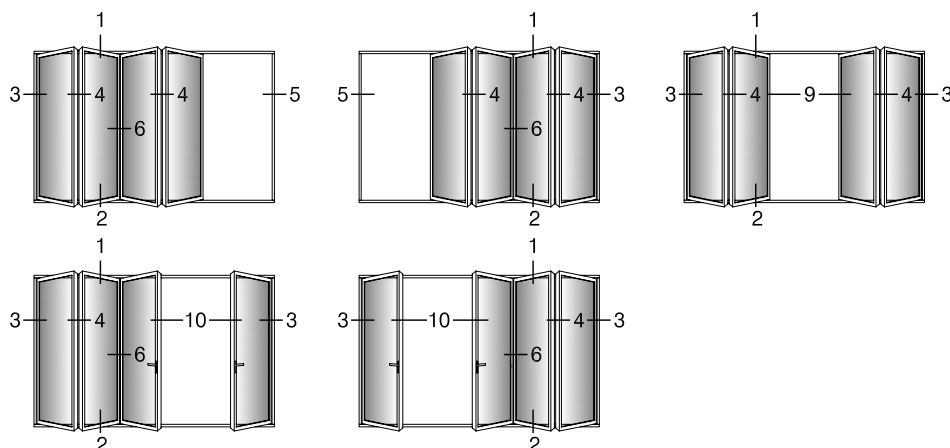
MAX DOOR LEAF WIDTH 1100mm
MAX DOOR LEAF HEIGHT 2400mm

THREE PANEL OPTIONS



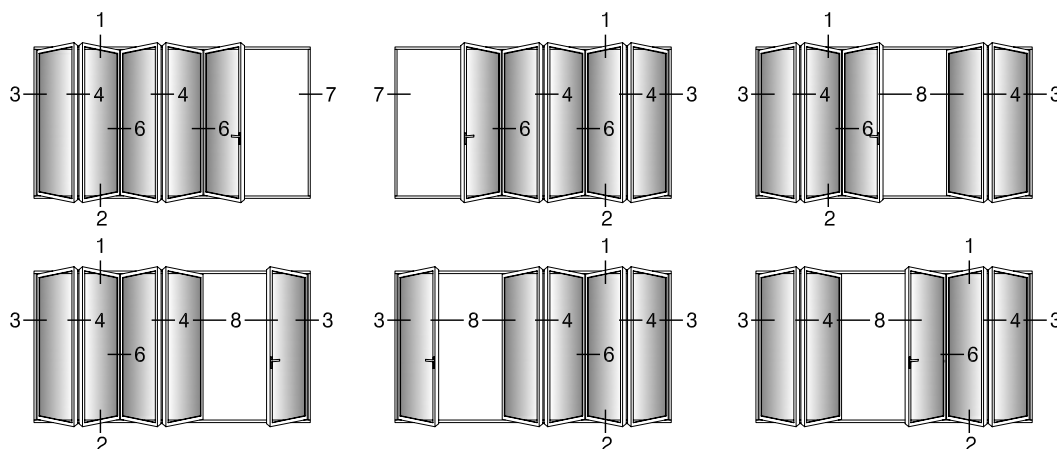
MAX OUTER FRAME WIDTH
3427.5mm - 3455mm
UPON JAMB AND DOOR
ABUTMENT DETAIL

FOUR PANEL OPTIONS



MAX OUTER FRAME WIDTH
4537.5mm - 4587.5mm
UPON JAMB AND DOOR
ABUTMENT DETAIL

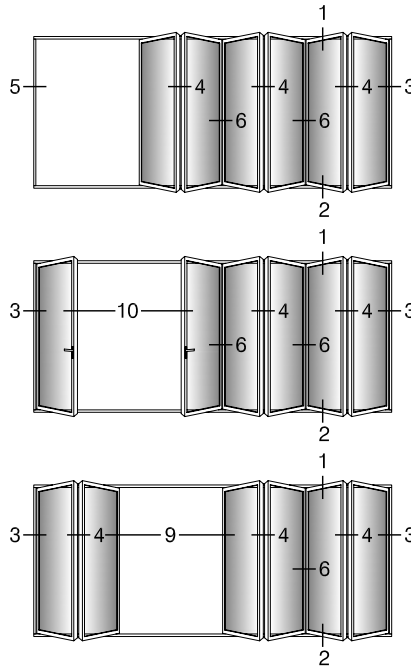
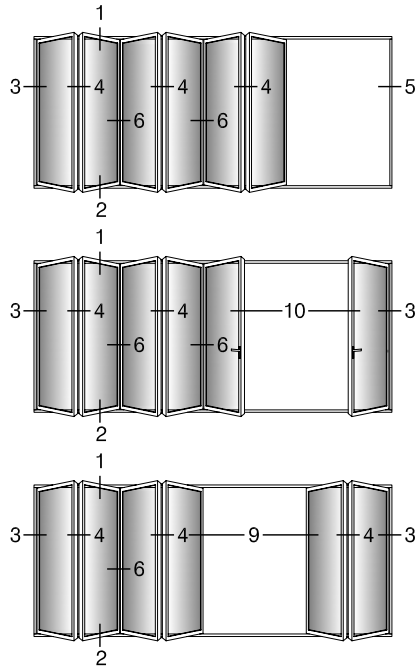
FIVE PANEL OPTIONS



MAX OUTER FRAME WIDTH
5647.5mm - 5675mm
UPON JAMB AND DOOR
ABUTMENT DETAIL



SIX PANEL OPTIONS



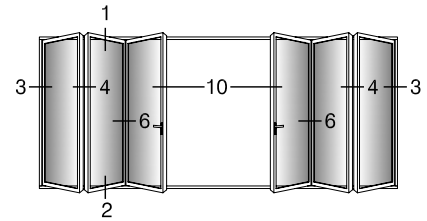
NOTE!
LEAF WEIGHT ABOVE 80KG IS NOT RECOMMENDED
AS FRAME DISTORTION MAY OCCUR.

DOOR STACKS ABOVE 8 LEAFS IN ONE DIRECTION
SHOULD NOT BE MANUFACTURED AS FRAME
DISTORTION MAY OCCUR.

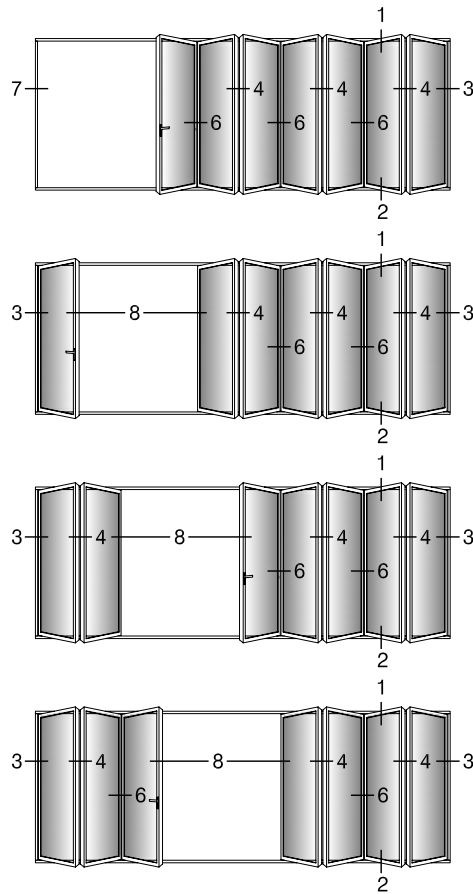
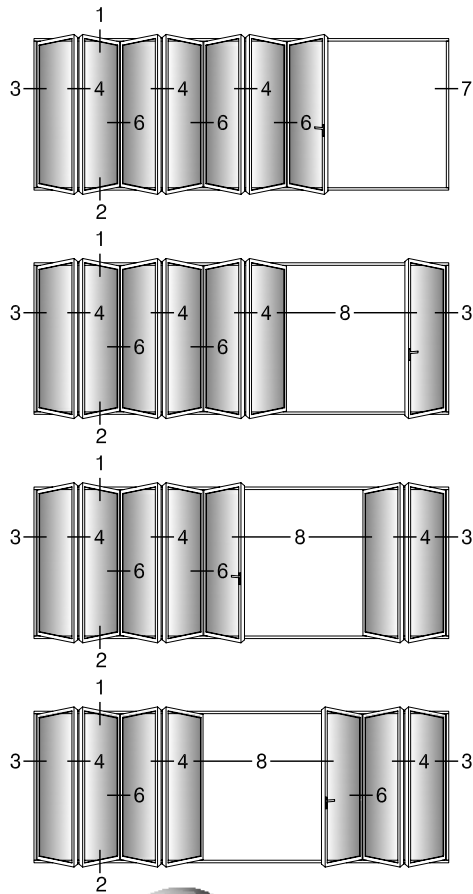
MAX OUTER FRAME HEIGHT 2506mm

MAX DOOR LEAF WIDTH 1100mm
MAX DOOR LEAF HEIGHT 2400mm

MAX OUTER FRAME WIDTH
6400 mm
UPON JAMB AND DOOR
ABUTMENT DETAIL



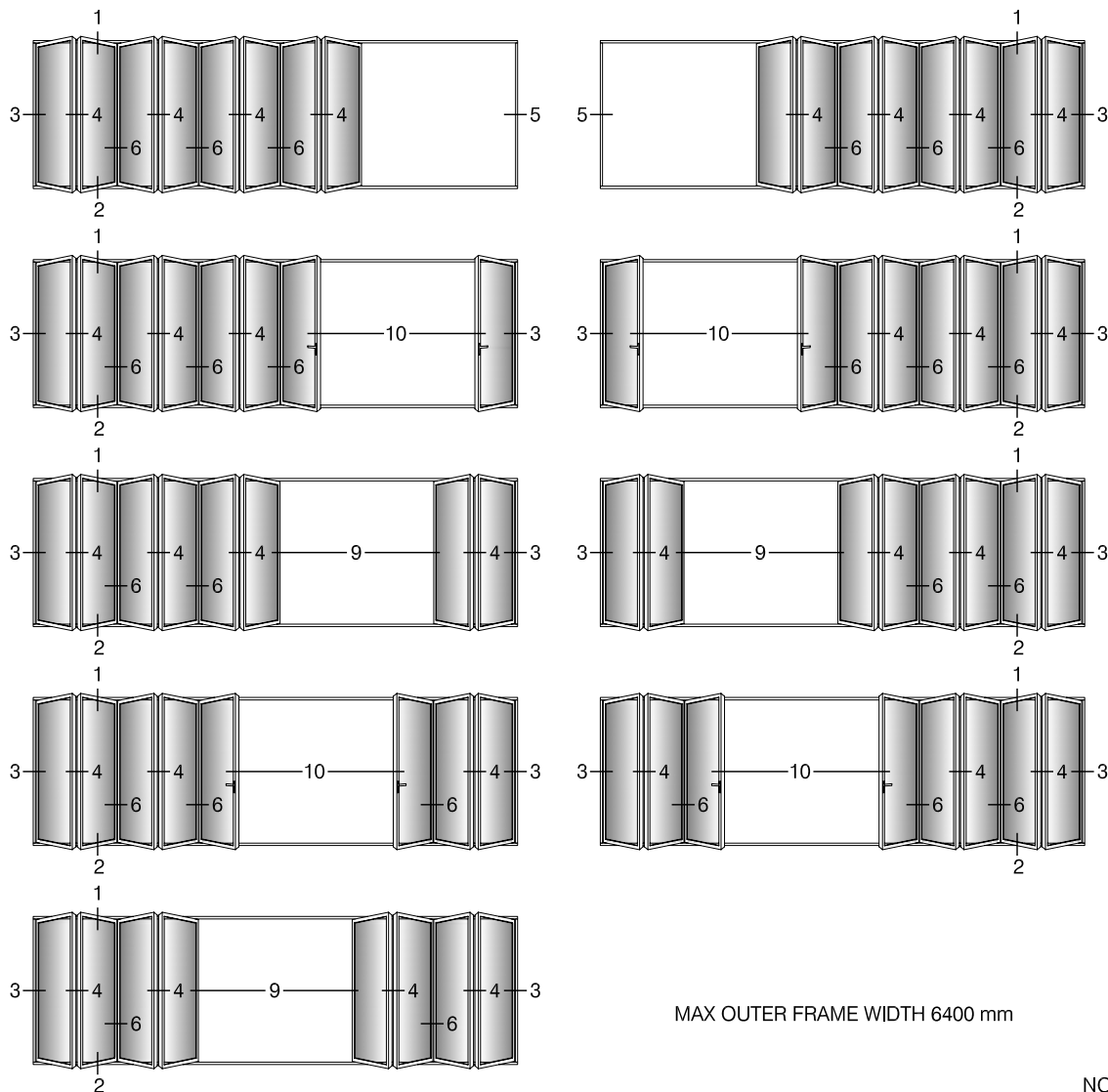
SEVEN PANEL OPTIONS



MAX OUTER FRAME WIDTH
6400 mm
UPON JAMB AND DOOR
ABUTMENT DETAIL



EIGHT PANEL OPTIONS



MAX OUTER FRAME WIDTH 6400 mm

MAXIMUM WIDTH OF ASSEMBLY STACKING TO ONE SIDE TO NOT EXCEED LENGTH OF TRACK PROFILE AS AN OPERATING ROLLER SHOULD NOT PASS OVER A TRACK JOINT.

THE TRACK PROFILE IS TO BE CUT SO NONE OF THE ROLLERS WILL PASS OVER A JOINT.

NOTE!
LEAF WEIGHT ABOVE 80KG IS NOT RECOMMENDED AS FRAME DISTORTION MAY OCCUR.

DOOR STACKS ABOVE 8 LEAFS IN ONE DIRECTION SHOULD NOT BE MANUFACTURED AS FRAME DISTORTION MAY OCCUR.

MAX OUTER FRAME HEIGHT 2506mm

MAX DOOR LEAF WIDTH 1100mm
MAX DOOR LEAF HEIGHT 2400mm



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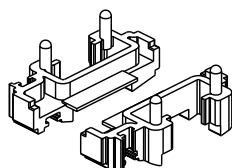


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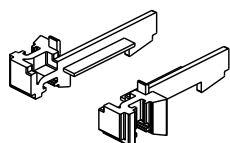
SCALE	NTS	© A4
DATE	27-07-2012	
DRAWN	JPRG / CAD	
DRG. No.	C7-Pi-FS 1.12	R0

GK7008 BLOCK FITTINGS



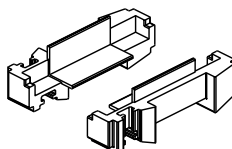
EC7001

CENTRE SEAL LOCK CARRIER BLOCK



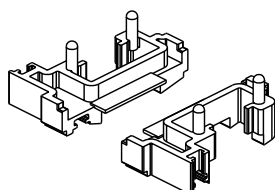
EC7002

CENTRE TO CENTRE WHEEL BLOCK



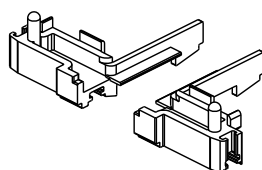
EC7003

CENTRE TO CENTRE BLOCK



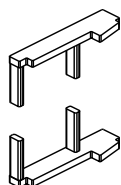
EC7004

CENTRE SEAL KEEP CARRIER BLOCK



EC7005

CENTRE SEAL BI PARTING BLOCK



EC7014

CENTRE SEAL END CAP

GK7008 CENTRE SEAL FITTINGS



GK7008
CENTRE SEAL CARRIER
NOT REQUIRED

GK841



WEATHER
SEAL GASKET
NOT FITTED TO GK7008

WP7001



LOW THRESHOLD
CENTRE SEAL
NOT FITTED TO
GK7008



GK7012
THERMAL CAVITY FOAM CARRIER
(EXCEPT TO MASTER DOOR LOCK
LK7005 AND SHOOTBOLT LK7008 STILES)
NOT FITTED TO GK7008

HINGES, KEEPS, LOCKS & DOOR LEAF GASKETS FITTINGS

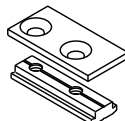


WS7004
KEEP CLAMP PLATE

KEEPS AND DOOR LOCK TO BE DIRECT FIXED
WITH FX7011XSLF SCREWS
DO NOT USE WS7004

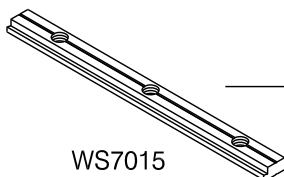


FX7011 XSLF
No.10 X 32 Csk Screw



WS7013
STILE GASKET
SUPPORT

ALL GASKETS TO BE GLUED TO SECTIONS FOR
100mm AT ENDS USING SE009XSLF
DO NOT USE WS7013



WS7015
HINGE CLAMP FIXING

HINGES DIRECT FIXED WITH FX7011XSLF SCREWS
DO NOT USE WS7015



FX7011 XSLF
No.10 X 32 Csk Screw



FX7010
M5 x 8 Csk MACHINE SCREW

