

90MM KISS PIVOT MIDI LOUVRE

small to medium size

The 90mm Midi Louvre is similar to the 'wave' shape of the 70mm and 150mm blades.

The 90mm Midi is a perfect mix of compact width with good spans.

This blade can be hand operated using the KISS Pivot system. The blades can be locked closed or in a number of opening positions.

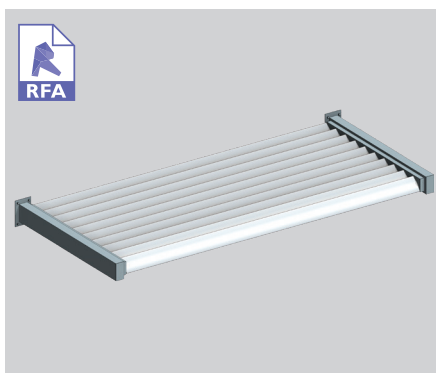
A woolpile closing insert ensures a snug fit when closed.

The 90mm Midi Louvre is well suited fixed within an opening or within sliding, bi-folding or hinged doors.

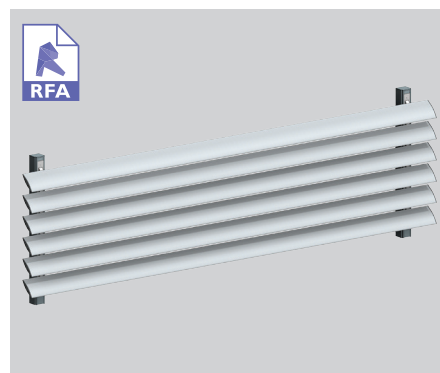
Also available end and bracket fixed.



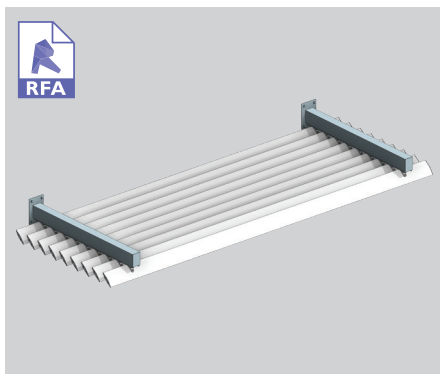
90MM KISS PIVOT



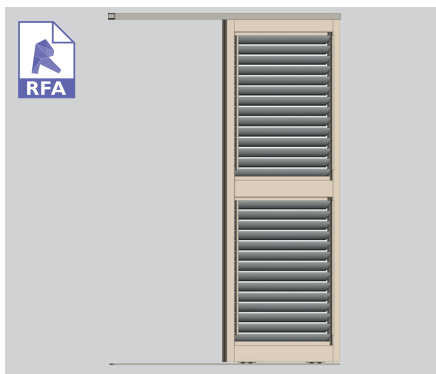
90MM END FIXED OVERHEAD



90MM BRACKET FIXED VERTICAL



90MM BRACKET FIXED OVERHEAD



90MM KISS PIVOT SLIDING DOOR



90MM KISS PIVOT BIFOLD DOOR

SURFACE COATINGS

A wide range of options are available.



ANODISED



WOOD FINISH



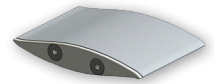
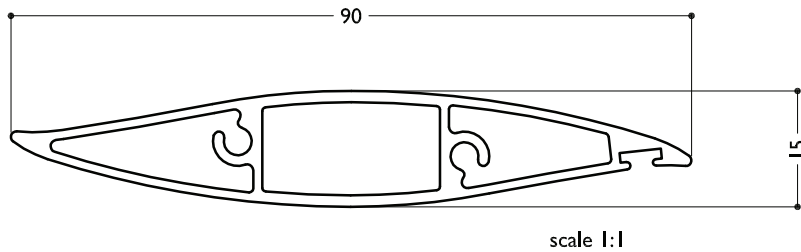
POWDERCOATED

OPERATING THIS SUN LOUVRE - THE CHOICE IS YOURS

Fixed options

Operable systems



**TECHNICAL DETAILS 90MM MIDI LOUVRE**

BLADE SPECIFICATIONS			
Blade cover - opening system	80 mm	Weight per lineal metre	0.75 kg/lm
Weight per square metre - opening system	9.38 kg/sqm	Actual blade width	90 mm
Blade Centres - opening system	80 mm		

WIND ZONE	INSIDE	LOW	MEDIUM	HIGH	VERY HIGH	EXTRA HIGH
Factored wind speed at building	Self wt	32 m/s 115 km/hr	37 m/s 133 km/hr	44 m/s 158 km/hr	50 m/s 179 km/hr	55 m/s 198 km/hr
Ultimate limit state loads (kPa)		+0.92 & -1.15	+1.23 & -1.53	+1.74 & -2.17	+2.24 & -2.80	+2.71 & -3.39
Adjustable & Fixed - Horizontal & Vertical	2350	2000	1850	1600	1500	1400

INSTALLATION OPTIONS**KISS PIVOT: CALCULATE OPTIMUM FRAME OPENING SIZES**

Width: Check engineering limits

Height: Calculation example showing 17 blades

STEP 1

16 blades x 80	1280
1 blade at 90	90
17 blades	=1370

STEP 2

Blade cover	1370
+ top and bottom closing angles allow for	
16mm + 16mm	32
Total exact opening height	=1402*

*This is inside measure - not outer frame size.

**END FIXED**

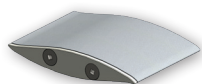
Louvres at any pitch

Louvres at any centre

**BRACKET FIXED**

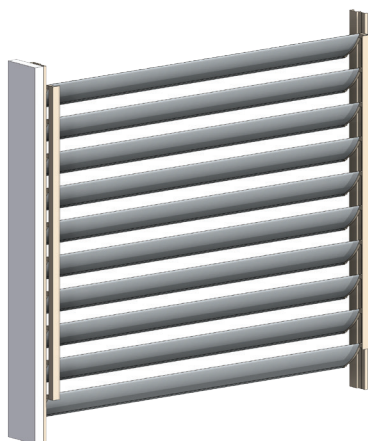
Louvres at any pitch

Louvres at any centre

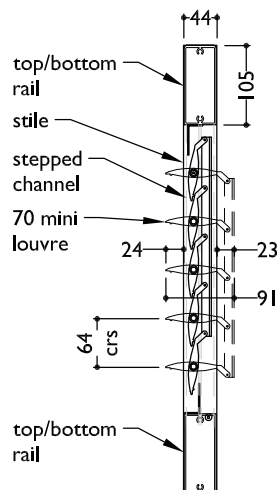


TECHNICAL DETAILS 70MM MINI & 90MM MIDI KISS PIVOT

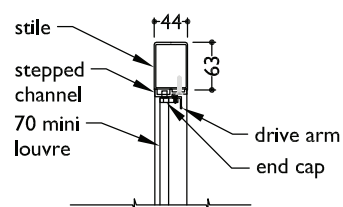
TYPICAL DETAIL 3D/2D MODELS 70MM KISS PIVOT PANEL



70mm KISS Pivot panel

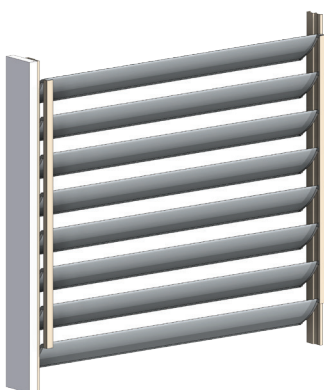


Section in door panel

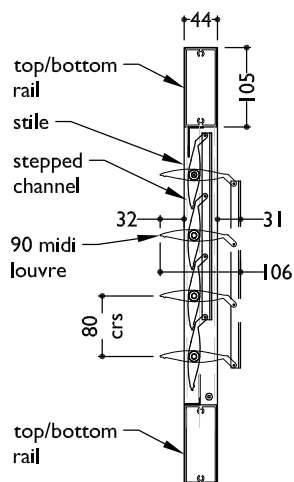


Plan in door panel

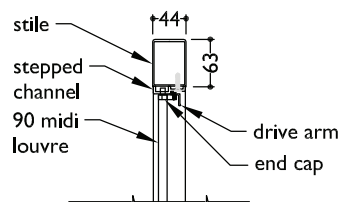
TYPICAL DETAIL 3D/2D MODELS 90MM KISS PIVOT PANEL



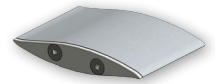
90mm KISS Pivot panel



Section in door panel

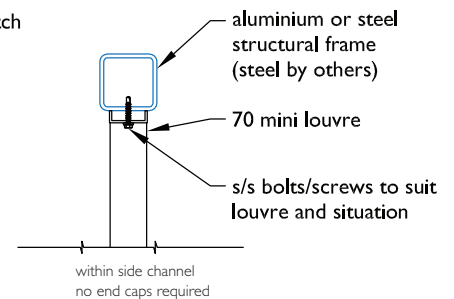
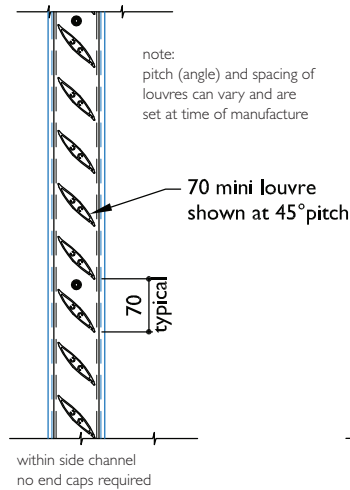
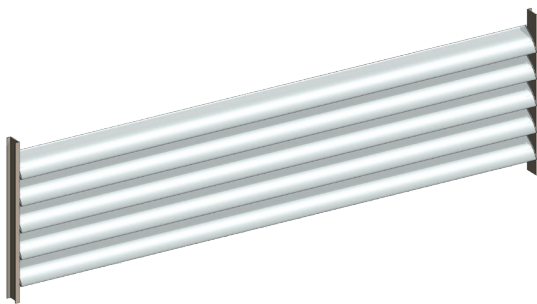


Plan in door panel



TECHNICAL DETAILS 70MM MINI & 90MM MIDI END FIXED VERTICAL & OVERHEAD PANELS

TYPICAL DETAIL 3D/2D MODELS 70MM END FIXED VERTICAL

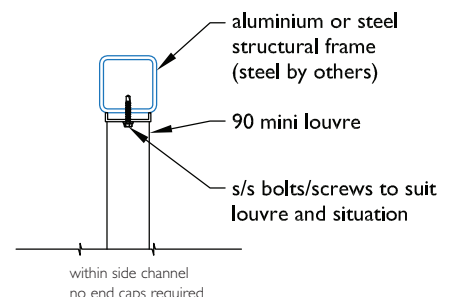
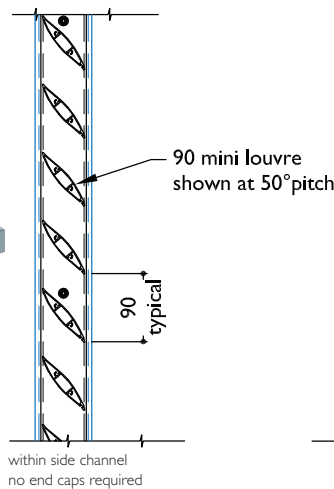
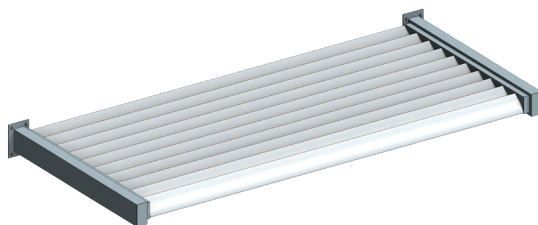


70mm end fixed vertical

Section in channel

Plan in channel

TYPICAL DETAIL 3D/2D MODEL 90MM END FIXED OVERHEAD & END FIXED VERTICAL

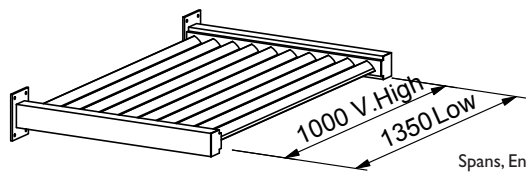


90mm end fixed overhead

Section in channel

Plan in channel

TYPICAL DETAIL : END FIXED OVERHEAD SUN LOUVRES 70MM MINI & 90MM MIDI BLADES SPANS AT A GLANCE

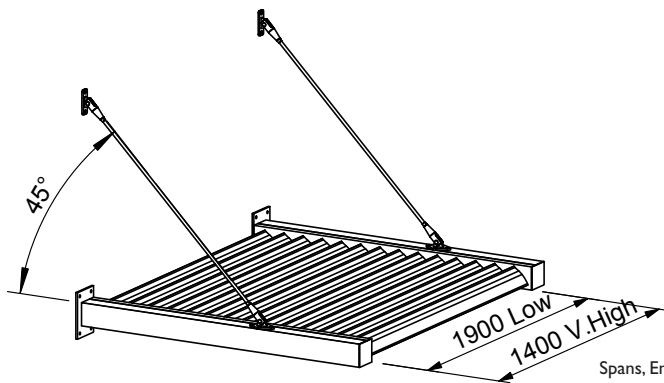


Free Span Example

Spans, End Fixed 70mm Mini Louvre.

CALCULATIONS FOR BLADE SPANS SHOW RANGE FROM

Low Wind Zone | 15km/h, 32m/s to
Extra High Wind Zone | 98km/h, 55m/s
Refer Engineering Details, Section 11



Ø20 SS Strut Support Example,
Strut at Optimum 45° angle.

Spans, End Fixed 70mm Mini Louvre.

KEY

LF = Free span

LS15 = Strut @ 15°

LS30 = Strut @ 30°

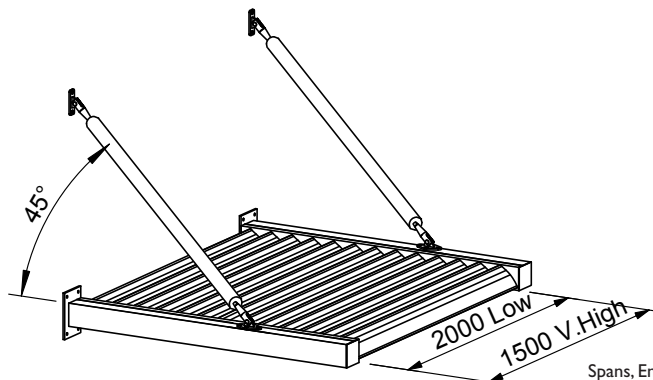
LS45 = Strut @ 45°

Plain Column:

Low - Med Wind Zone.
Up to 133Km/h - 37m/s

Shaded Column:

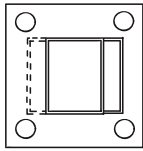
High - VHigh Wind Zone.
Up to 179Km/h - 50m/s



Ø42 SS Strut Support Example,
Strut at Optimum 45° angle.

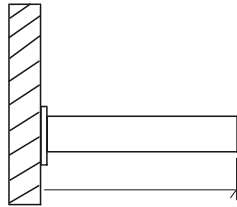
Spans, End Fixed 90mm Midi Louvre.

TYPICAL DETAIL : END FIXED OVERHEAD WALL STRUTS 70MM MINI & 90MM MIDI BLADES
SPANS AT A GLANCE



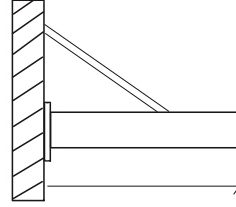
Base Plate: 100 x 150 x 6mm
 Box Section: 75 x 50 x 2.5mm
 Channel: 75 x 25 x 3mm

Free Span



LF	LF
700	600

Strut Support

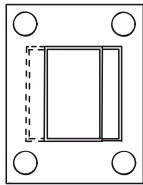


Strut Ø16mm
 Stainless steel

LS15	LS15
1100	900

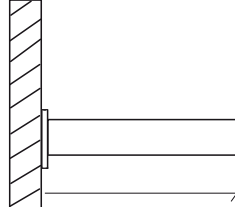
LS30	LS30
1100	1000

LS45	LS45
1300	1000



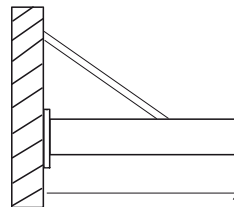
Base Plate: 100 x 225 x 6mm
 Box Section: 100 x 50 x 3mm
 Channel: 100 x 25 x 3mm

Free Span



LF	LF
900	800

Strut Support

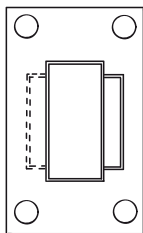


Strut Ø20mm
 Stainless steel

LS15	LS15
1400	1200

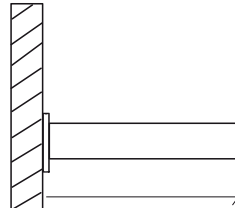
LS30	LS30
1700	1300

LS45	LS45
1700	1400



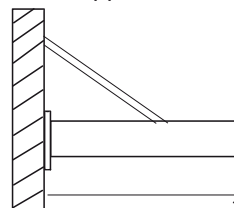
Base Plate: 100 x 275 x 6mm
 Box Section: 150 x 50 x 3mm
 Channel: 100 x 25 x 3mm

Free Span



LF	LF
1300	1200

Strut Support

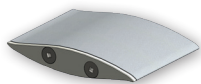


Strut Ø42mm
 Stainless steel

LS15	LS15
2000	1600

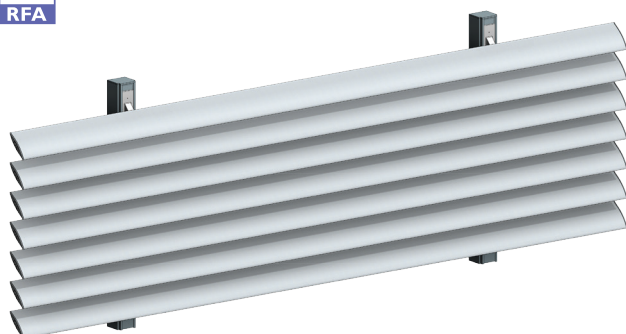
LS30	LS30
2100	1900

LS45	LS45
2300	2000

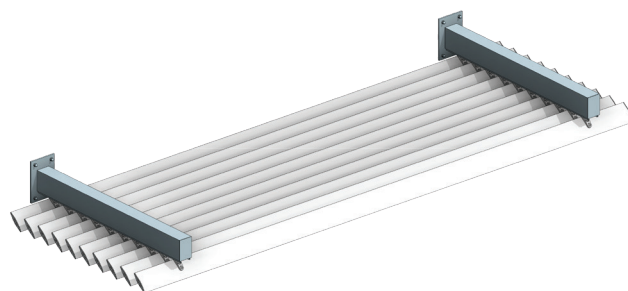


TECHNICAL DETAILS 70MM MINI & 90MM MIDI BRACKET FIXED LOUVRES

TYPICAL DETAIL 3D MODEL 70MM BRACKET FIXED LOUVRES - VERTICAL & OVERHEAD

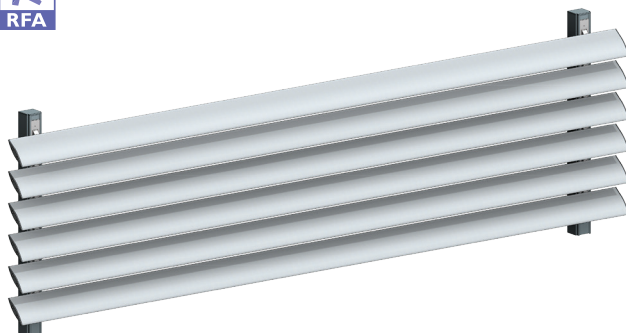


70mm bracket fixed vertical panel

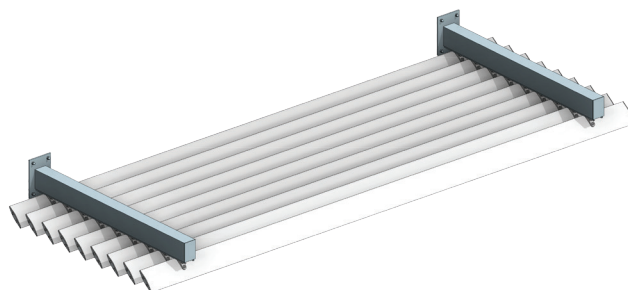


70mm bracket fixed overhead panel

TYPICAL DETAIL 3D MODEL 90MM BRACKET FIXED LOUVRES - VERTICAL & OVERHEAD



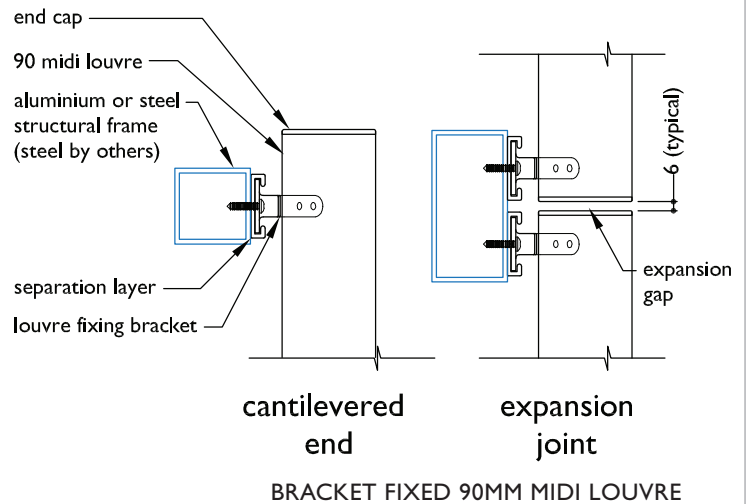
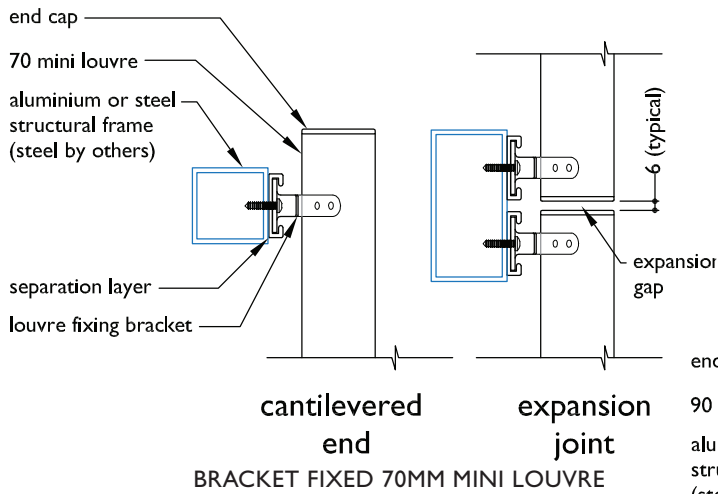
90mm bracket fixed vertical panel



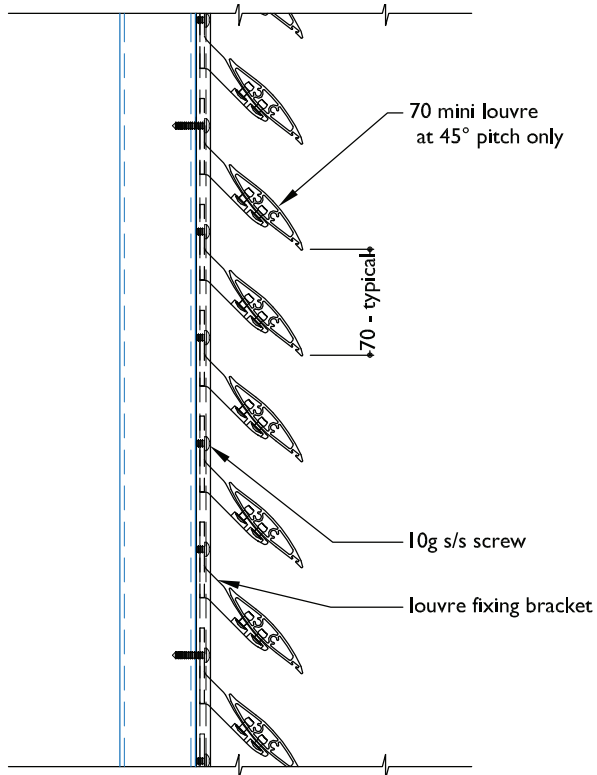
90mm bracket fixed overhead panel

TYPICAL DETAIL : BRACKET FIXED 70MM MINI & 90MM MIDI BLADES

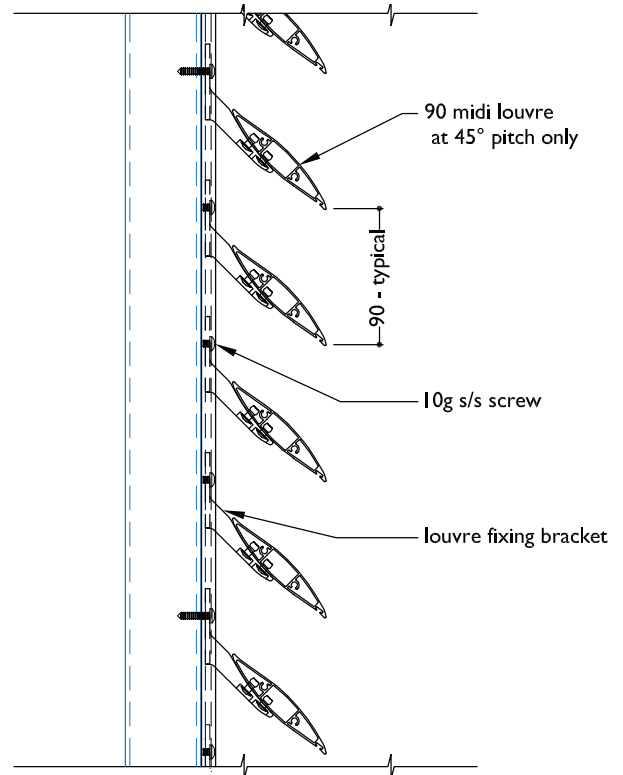
PLAN - BRACKET FIXED 70MM MINI LOUVRE & 90MM MIDI LOUVRE



SECTION - BRACKET FIXED 70MM MINI LOUVRE & 90MM MIDI LOUVRE

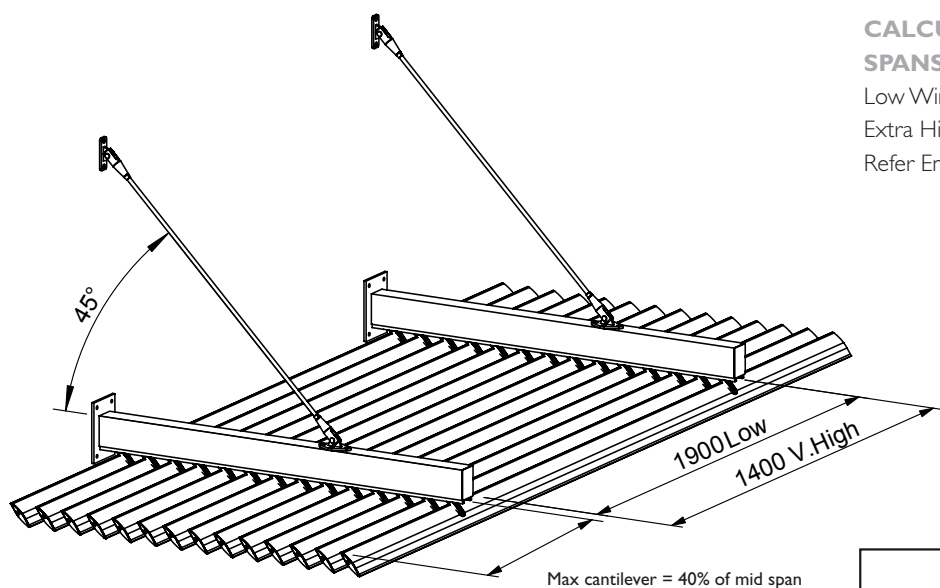


BRACKET FIXED 70MM MINI LOUVRE



BRACKET FIXED 90MM MIDI LOUVRE

TYPICAL DETAIL : BRACKET FIXED OVERHEAD SUN LOUVRES 70MM MINI & 90MM MIDI BLADES SPANS AT A GLANCE



Ø20 SS Strut Support Example,
Strut at Optimum 45° angle.

CALCULATIONS FOR BLADE SPANS SHOW RANGE FROM

Low Wind Zone | 15km/h, 32m/s to
Extra High Wind Zone | 98km/h, 55m/s
Refer Engineering Details, Section 11

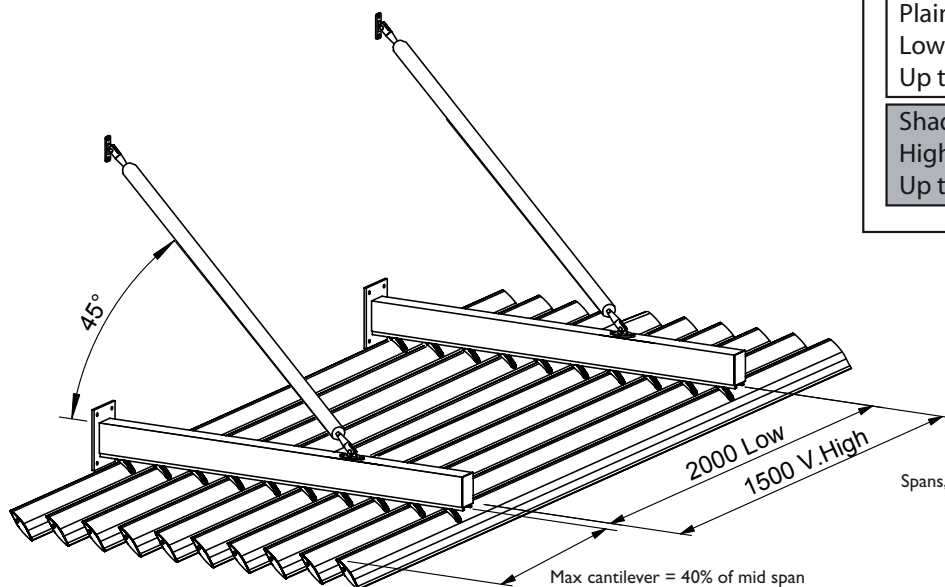
Spans, Bracket Fixed
70mm Mini Louvre.

KEY

LF = Free span
LS15 = Strut @ 15°
LS30 = Strut @ 30°
LS45 = Strut @ 45°

Plain Column:
Low - Med Wind Zone.
Up to 133Km/h - 37m/s

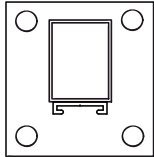
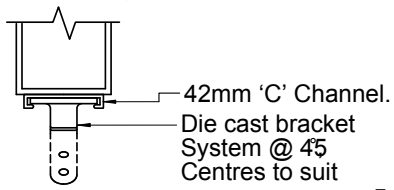
Shaded Column:
High - VHigh Wind Zone.
Up to 179Km/h - 50m/s



Ø42 SS Strut Support Example,
Strut at Optimum 45° angle.

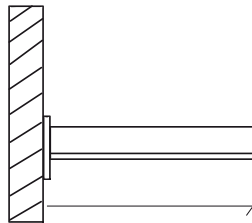
Spans, Bracket Fixed 90mm Midi Louvre.

**TYPICAL DETAIL : BRACKET FIXED OVERHEAD WALL STRUTS 70MM MINI & 90MM MIDI BLADES
SPANS AT A GLANCE**



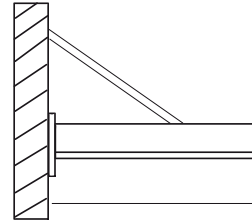
Base Plate: 100 x 150 x 6mm
Box Section: 75 x 50 x 2.5mm
42mm 'C' Channel fixing

Free Span



LF	LF
700	600

Strut Support

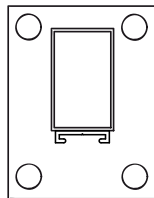


Strut Ø16mm
Stainless steel

LS15	LS15
1100	900

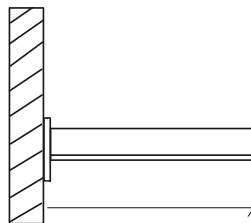
LS30	LS30
1100	1000

LS45	LS45
1300	1100



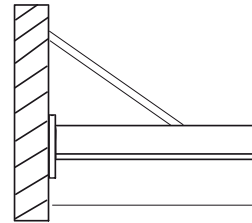
Base Plate: 100 x 225 x 6mm
Box Section: 100 x 50 x 3mm
42mm 'C' Channel fixing

Free Span



LF	LF
900	800

Strut Support

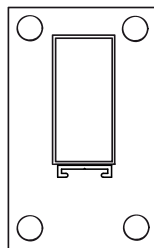


Strut Ø20mm
Stainless steel

LS15	LS15
1400	1200

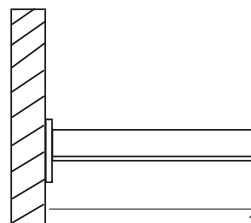
LS30	LS30
1700	1400

LS45	LS45
1700	1400



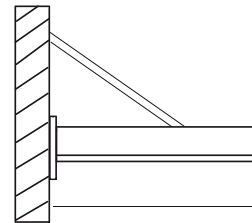
Base Plate: 100 x 275 x 6mm
Box Section: 150 x 50 x 3mm
42mm 'C' Channel fixing

Free Span



LF	LF
1300	1200

Strut Support



Strut Ø42mm
Stainless steel

LS15	LS15
2000	1600

LS30	LS30
2300	1900

LS45	LS45
2300	2000