



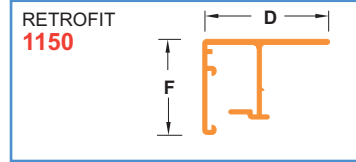
Self hinging face frames for Acrylic or Polycarbonate plastic

BSH1250

BSH1250 BSH2000 BSH6250 BSH1500 BSH1800



BSH1250 SELF HINGING



Face dimension: F: 1 1/4" [31mm]
Fabrication size: H: 4' Max [1.2m]
 W: 31'-6" [9.6m]
Face Material: 3/16" [5mm] plastic

Retrofit dimension: F: 1 1/2" [38mm]
 D: 2" [52mm]
Fabrication size: H: 6' Max [1.8m]
 W: 31'-6" [9.6m]

Extrusions sold in 22'3" length in mill finish unless otherwise specified

Cutting Tools



Measure extrusions to sign overall length and height. Mitre cut and assemble 3 sides with 1254 pre-fabricated corner brackets using 2107 screws

Slide plastic with lock strips (see reverse page) into frame. Assemble 4th side

Drill along the sign top for hinging screws, and along the bottom for locking screws, then mount the assembled face frame on to cabinet.

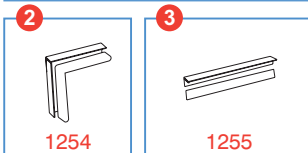
Common components

2107

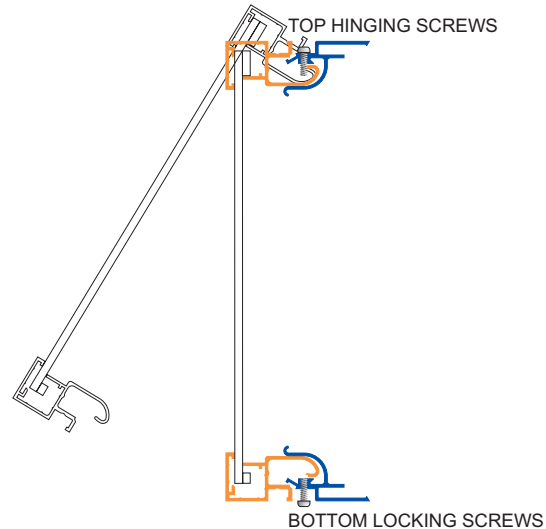


#8 x 5/16" socket screw used on all systems to secure assembly brackets and raceways

Assembly Tools



SIGNPRO® built-in continuous hinge is concealed within the sign box rather than mounted externally. The hinge, along with a neoprene gasket, work to form a weather seal keeping the inside bright and clean, and lowering maintenance costs.



Face frame extrusions For custom finishes call your distributor

Product No	Description	Finish	Pack Qty.
BSH1250	Self hinging face frame	Mill Finish	6
BSH1251	Self hinging face frame	Clear Anodized	6
RET1150	Retrofit face frame	Mill Finish	6
RET1151	Retrofit face frame	Clear Anodized	6

Assembly Brackets

1254	Corner Bracket	80
1255	Joiner Bracket (when longer than 22'3")	50

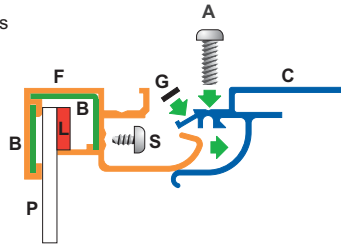
Common components

2107	#8 x 5/16" socket screw	2000
------	-------------------------	------

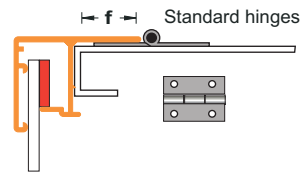
For face frame options see reverse page

BSH1250 Self hinging face frame assembly

- C: This frame fits all self hinging cabinets
- F: Face frame
- B: 1254 corner bracket
- S: 2107 corner bracket screws
- L: Lock strip see below
- P: 3/16" [5mm] plastic
- G: 2105 Weather seal gasket
- A: 2106A Top hinging Bottom locking



1150 Retrofit cabinet assembly



Cut plastic to sign height less 1/2" [13mm]
Hinge flange f: 1" [25mm]



Single sided self hinging cabinets



Self hinging retrofit adapter



Combination file name:**	FR1250	FW1250	File name	N/A
Cabinet:	BSHF-R680	BSHF-W850	Retainer:	BSH7002
Product Page:	S3-A	S7-A	Product Page:	S9-A
Overall depth:	D: 8" [203mm]	D: 10" [254mm]	Overall depth:	see page S9-A
Radius corners	R-FR1250 cast set			
Inverted radius corners	I-FR1250 cast set			

Double sided self hinging cabinets

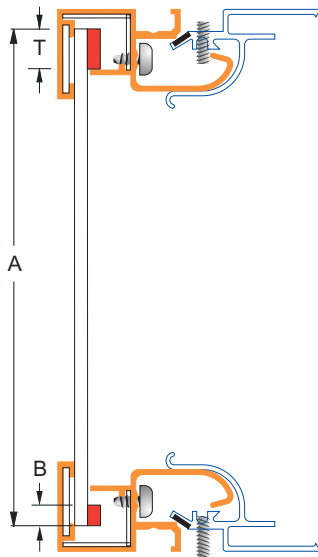


Combination file name:**	DR1250	DM1250	DW1250
Cabinet:	BSHD-R8740	BSHD-M1020	BSHD-W1300
Product Page:	S13-A	S15-A	S17-A
Overall depth:	D: 11" [279mm]	D: 13 1/4" [337mm]	D: 15 1/2" [394mm]
Radius corners	R-DR1250 cast set		
Inverted radius corners	I-DR1250 cast set		

** CAD drawings complete with bill of materials can be downloaded and used for presentations, fabrication and permit drawings @ www.signalex.com.

Installing plastic lockstrips

- A - Cut plastic to sign height less 1/2" [13mm]
- T - Top lock strip 3/4" [19mm]



B - Bottom lock strip 3/8" [9mm]

Working with Polycarbonate or Acrylic plastic faces

Lock strips cut Min. less 6" [152 mm] each side



If the sign height is greater than the sign length, use only a top lock strip along with vertical lock strips



Securing plastic into a face frame is done by solvent-welding lock strips to the top and bottom of the plastic face. Lock strips should be fabricated to the guidelines below, and are 6" [152 mm] shorter on each side, to avoid interference with the corner brackets. E.g. plastic length 12 ft., therefore lock strip length is 11 ft.

Calculating plastic expansion and contraction
Maximum expansion and contraction
 $F \times T \times L \times V$

Expansion - contraction Factor : F
Material Thickness : T
Temperature variance in Fahrenheit : V
Material Length : L

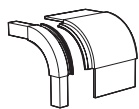
Expansion - contraction factor:
Polycarbonate 0.000375 Acrylic 0.000410

A 20 ft. long piece of acrylic could expand and contract 1/4". In general, for signs longer than 18 ft., cut the plastic shorter by 1/4" for every 6 ft. added length. A custom-fabricated compensator may be required to overcome material limitations.

Radius Corners for Plastic Faced Signs

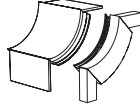


Radius Corners

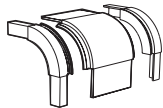


Set of 1 Filler 1 Face frame

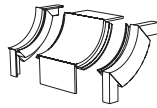
Inverted Radius Corners



Set of 1 Filler 1 Face frame



Set of 1 Filler 2 Face frames



Set of 1 Filler 2 Face frames

Radius Corners

Product No	Description	Pack Qty.
R-FR1250	BSH-F-1250 4" (102mm) radii. Mill finish	One Set
R-DR1250	BSH-D1250 6" (152mm) radii. Mill finish	One Set

Inverted Radius Corners

I-FR1250	BSH-F-1250 4" (102mm) radii. Mill finish	One Set
I-DR1250	BSH-F-1250 6" (152mm) radii. Mill finish	One Set

Radius corners are manufactured from sand cast aluminum and require additional finishing including filing, primer coating and sanding before applying the final coat. Using unfinished radius corners is not recommended.