



Self hinging face frames for Acrylic or Polycarbonate plastic

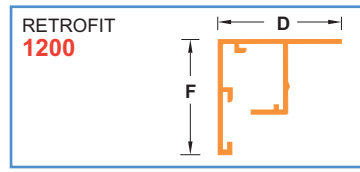
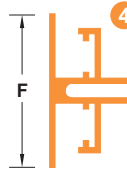
**BSH2000**

BSH1250 BSH2000 BSH6250 BSH1500 BSH1800



**BSH2000** SELF HINGING

**BSH2100** H-DIVIDER



**Face dimension:** F: 2" [52mm]  
**Fabrication size:** H: 6' Max [1.829m]  
 W: 31'-6" [9.6m]  
**Face Material:** 3/16" [5mm] plastic

**Retrofit dimension:** F: 2" [52mm]  
 D: 2" [52mm]  
**Fabrication size:** H: 6' Max [1.829m]  
 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 2004 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

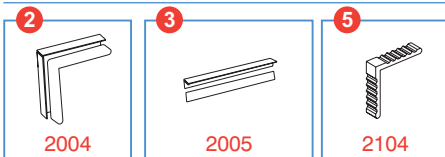
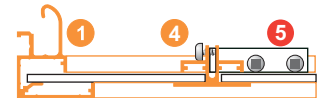


#8 x 5/16" socket screw used on all systems to secure assembly brackets and raceways

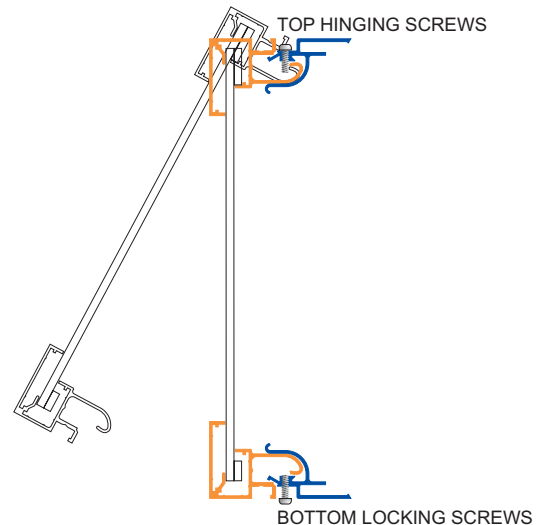
Assembly Tools



BSH2100 H-Divider is used for a courtesy panel, and is screwed to frame using 2104 bracket & 2107 screws



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	Pack	Qty.
BSH2000	Self hinging face frame	Mill Finish	5
BSH2001	Self hinging face frame	Clear Anodized	5
RET1200	Retrofit face frame	Mill Finish	6
RET1201	Retrofit face frame	Clear Anodized	6

Assembly Brackets

2004	Corner Bracket	80
2005	Joiner Bracket (when longer than 22'3")	50

Frame options

BSH2100	2" [52mm] H divider	Mill Finish	9
BSH2101	2" [52mm] H divider	Clear Anodized	9

Frame options assembly Brackets

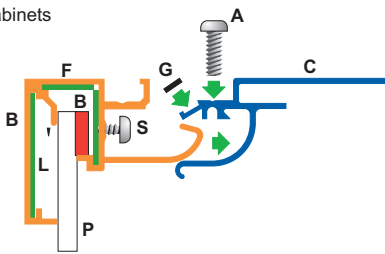
2104	H divider bracket	50
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Common components

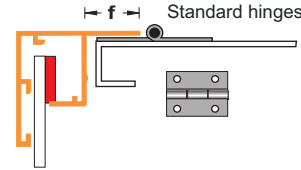
2107	#8 x 5/16" socket screw	2000
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**BSH2000** Self hinging face frame assembly

- C: This frame fits all self hinging cabinets
- F: Face frame
- B: 2004 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



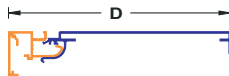
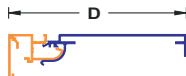
**1200** Retrofit cabinet assembly



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



**Single sided self hinging cabinets**

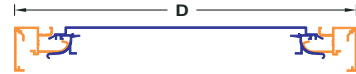
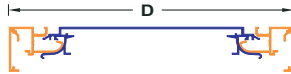
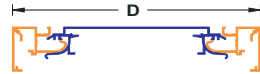


**Self hinging retrofit adapter.**



Combination file name:**	<b>FR2000</b>	<b>FW2000</b>	File name	<b>N/A</b>
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**

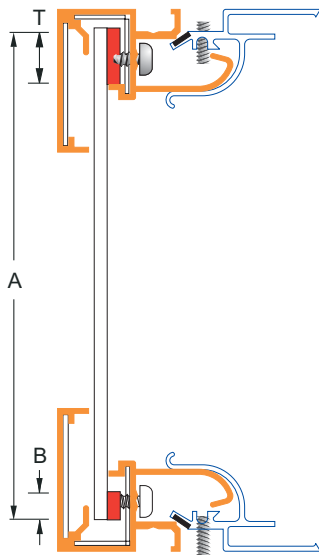


Combination file name:**	<b>DR2000</b>	<b>DM2000</b>	<b>DW2000</b>
Cabinet:	BSHD-R8740	BSHD-M1020	BSHD-W1300
Product Page:	S13-A	S15-A	S17-A
Overall depth:	D: 11" [279mm]	D: 13 1/4" [337mm]	D: 15 1/2" [394mm]
Radius corners:	R-DR2000 cast set	R-DM2000 cast set	R-DW2000 cast set
Inverted radius corners:	I-DR2000 cast set	I-DM2000 cast set	I-DW2000 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 3/4" [19mm]
- T - Top lock strip 3/4" [19mm]



B - Bottom lock strip 5/8" [16mm]

**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

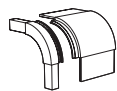
Expansion - contraction factor:  
Polycarbonate 0.000375 Acrylic 0.000410

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**

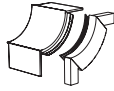


**Radius Corners**

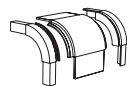


Set of 1 Filler 1 Face frame

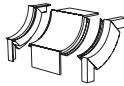
**Inverted Radius Corners**



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-FR2000	BSH-F-2000 6" (152mm) radii. Mill finish	One Set
R-DR2000	BSH-D2000 6" (152mm) radii. Mill finish	One Set
R-DM2000	BSH-D2000 6" (152mm) radii. Mill finish	One Set
R-DW2000	BSH-D2000 6" (152mm) radii. Mill finish	One Set

**Inverted Radius Corners**

I-FR2000	BSH-F-2000 6" (152mm) radii. Mill finish	One Set
I-DR2000	BSH-F-2000 6" (152mm) radii. Mill finish	One Set

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