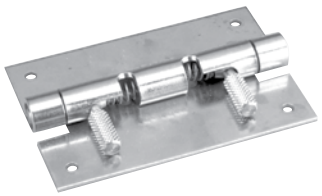
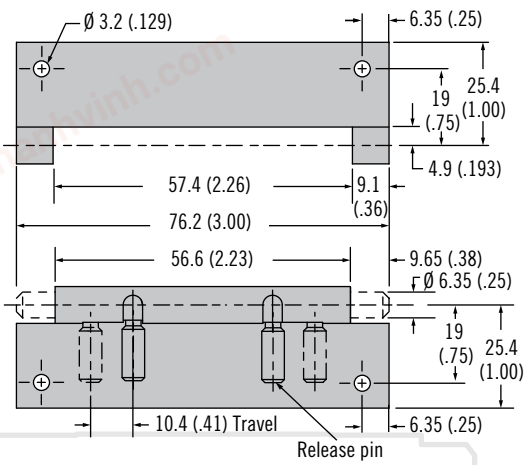
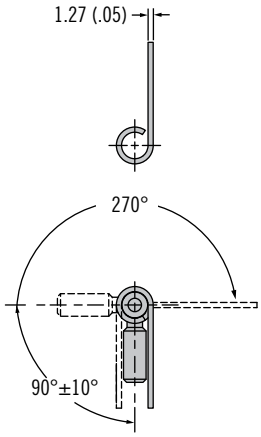
chanhvinh.com

F6 Hinge
Door removal







ACTUAL SIZE

Material	Part Number
Steel	F6-22-N1-3W1
Stainless steel	F6-22-S1-3W1

- **Easy to install and operate**
- **Locking feature for simple removal and replacement**

Material and Finish
Steel, zinc plated or stainless steel

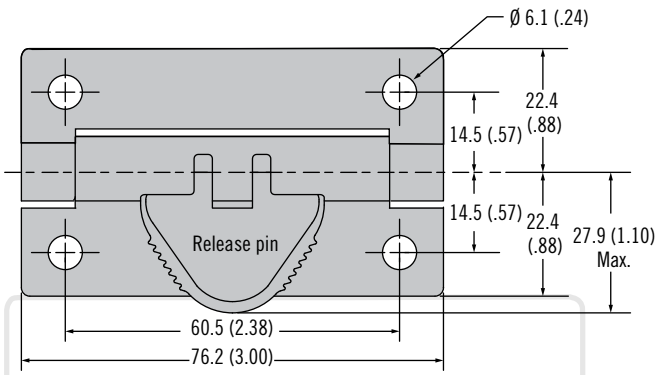
Part Number
See table

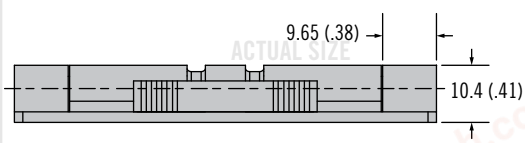
Other options available. For complete details on variety, part numbers, installation and specification, go to

INFO CLIC **www.southco.com/F6**

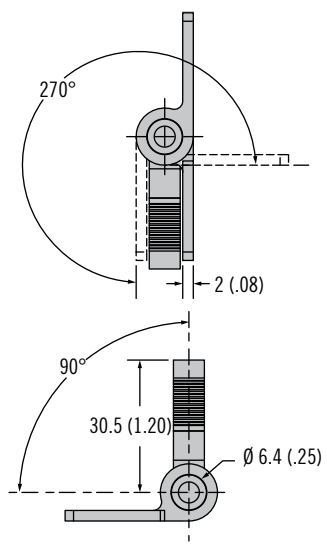
F6 Hinge
Door removal







ACTUAL SIZE



Part Number
F6-35-1

- **Light-weight**
- **Made from non-conducting, non-corrosive materials**

Material and Finish
ABS, nylon and acetal, black

Part Number
See table

Other options available. For complete details on variety, part numbers, installation and specification, go to

INFO CLIC **www.southco.com/F6**

Dimensions in millimeters (inch) unless otherwise stated

chanhvinh.com



F6 Hinge

Removable style · Concealed

- **Hinge and hardware are concealed**
- **Allows for quick easy door removal**
- **Three styles**

Material and Finish

Steel, zinc plated, or stainless steel

Performance Details

Steel

Radial load:
Max. static load: 300 N (65 lbf)

Axial load:
Max. static load: 500 N (112 lbf)

Stainless Steel

Radial load:
Max. static load: 300 N (65 lbf)

Axial load:
Max. static load: 800 N (180 lbf)

Installation Notes

1. Select frame and door leaf separately for bulk packaging.
2. Select assembly for individual packaging (consists of 1 frame leaf and door leaf per bag)

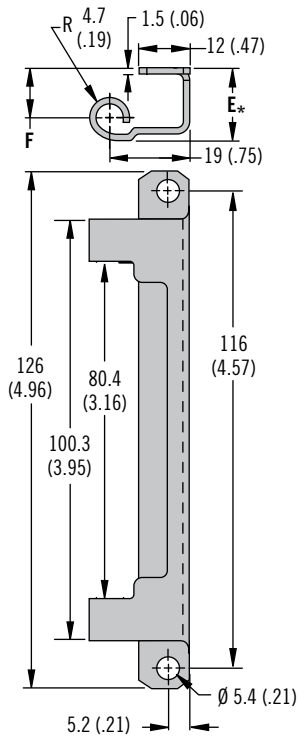
Screws not supplied.
Use M5 (No. 10) hardware

Machine screws are recommended for mounting frame leaf

Part Number

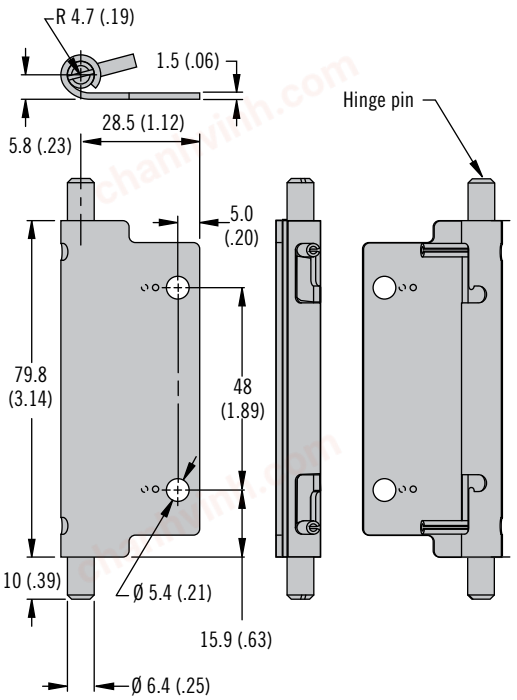
See table

Frame Leaf



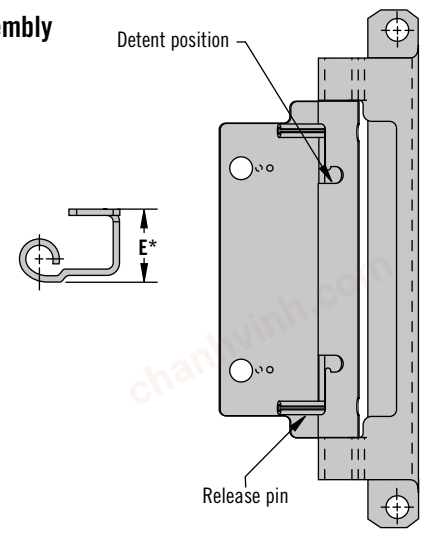
Frame Leaf Part Number				
Series	E	F	Steel	Stainless Steel
1	17 (.67)	11.8 (.47)	F6-901	F6-901-1
2	20 (.79)	14.8 (.58)	F6-902	F6-902-1
3	23.4 (.92)	18.2 (.72)	F6-903	F6-903-1

Door Leaf



Door Leaf Part Number		
Door Leaf	Steel	Stainless Steel
	F6-940	F6-940-1

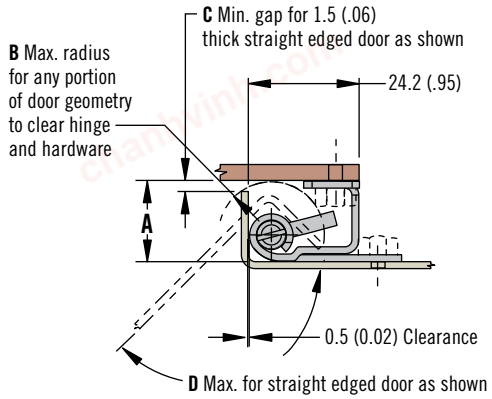
Assembly



Part Number Assembled				
Assembly			Steel	Stainless Steel
Series	E	F		
1	17 (.67)	11.8 (.47)	F6-1	F6-1-1
2	20 (.79)	14.8 (.58)	F6-2	F6-2-1
3	23.4 (.92)	18.2 (.72)	F6-3	F6-3-1

Dimensions in millimeters (inch) unless otherwise stated

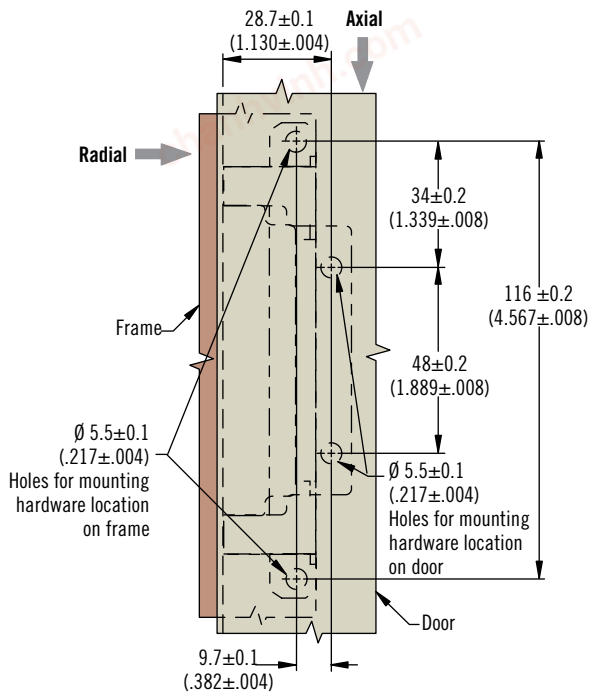
chanhvinh.com



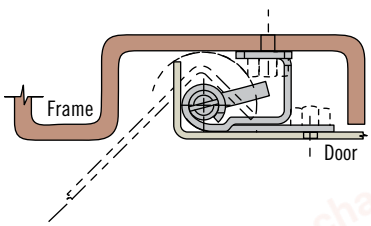
Hinges may be fastened to door and frame by:

- M5 (No. 10) hardware. Machine screws are recommended for mounting frame leaf.
- *Hex jam nuts. Verify clearance with door edge. Depending on jam nut orientation, full rotation may be obstructed.
- Welding.

Series	Panel Preparations Dimensions			
	A	B	C	D
1	17.6 (.69)	10.9 (.43)	3.2 (.13)	132°
2	20.6 (.81)	12.7 (.50)	3.9 (.15)	125°
3	24 (.95)	15.3 (.60)	4.4 (.17)	118°



Additional Mounting Options



Notes

Mounting:

* Select the frame leaf with a value of **E** best suited to the configuration of your door. The dimension **E** + 0.6 (.02) = the distance from the outside surface of your frame to the inside surface of your door.

chanhvinh.com



F6 Hinge

Removable style · Concealed · Heavy-duty

- **High strength and durability**
- **Allows door removal without using tools**
- **Retractable pin version resists vibration and prevents pin loss**

Material and Finish

Steel, zinc plated or stainless steel, natural

Performance Details

Steel

Radial load:
Max. static load: 1000 N (225 lbf)
Average ultimate load:
2100 N (472 lbf)

Axial load:
Max. static load: 2900 N (650 lbf)
Average ultimate load:
4900 N (1100 lbf)

Stainless Steel

Radial load:
Max. static load: 1300 N (292 lbf)
Average ultimate load:
2800 N (629 lbf)

Axial load:
Max. static load: 3600 N (809 lbf)
Average ultimate load:
6000 N (1350 lbf)

Operating temperature range:
-40° C (-40° F) to 85° C (185° F)

Installation Notes

Order separately 1 door leaf and 1 frame leaf for a complete assembly

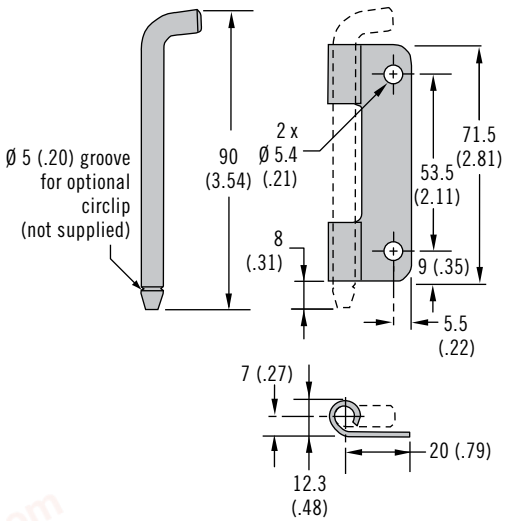
Screws not supplied.
Hinge Leaves may be fastened to the door and the frame by: M5 (No. 10) hardware (machine screws are recommended) or by welding.

Part Number

See table

Door Leaf

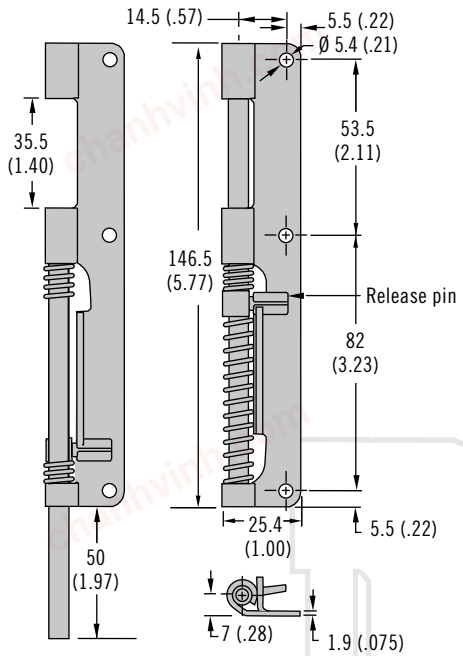
Removable Pin Style



Part Number		
Styles	Material	
	Steel	Stainless steel
Removable pin	F6-946	F6-946-5
Retractable pin type A	~	F6-941-5
Retractable pin type B	~	F6-942-5

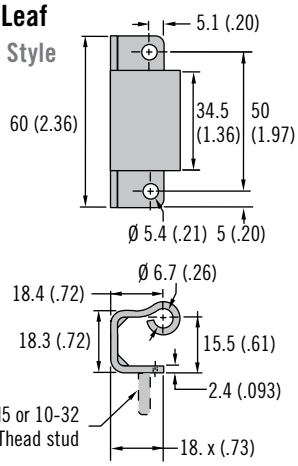
Retractable Pin Style

Type A shown, Type B mirror image

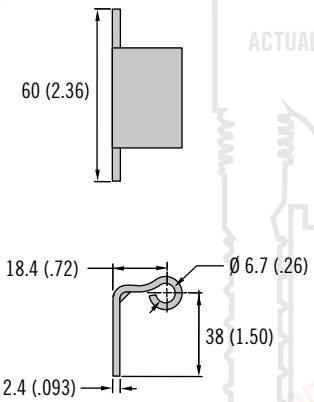


Frame Leaf

Formed Style



Flat Style

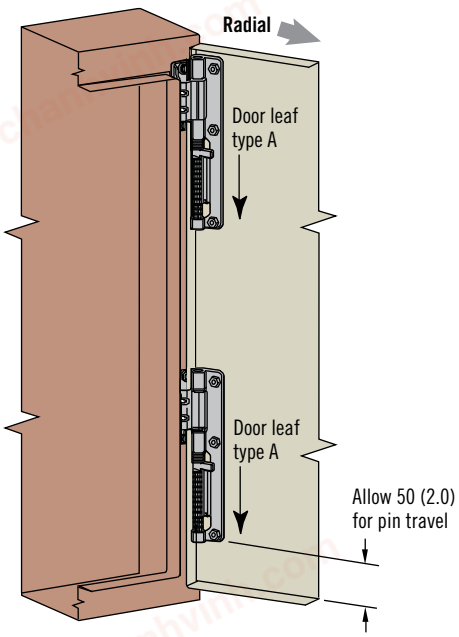


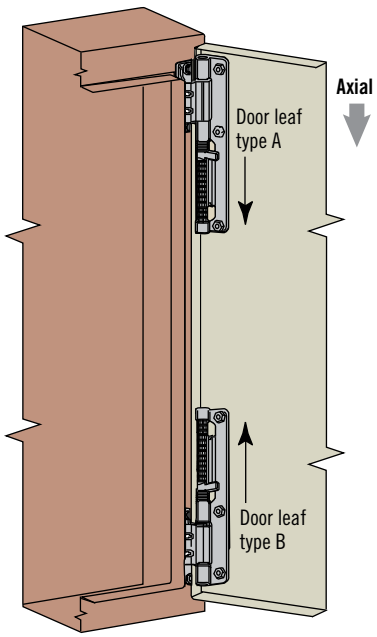
Part Number			
Style	Installation	Material	
		Steel	Stainless steel
Formed	Thru hole	F6-905	F6-905-5
Formed	M5 thread stud	F6-908	F6-908-5
Formed	10-32 thread stud	F6-907	F6-907-5
Flat	Weld	F6-904	F6-904-5

Dimensions in millimeters (inch) unless otherwise stated

chanhvinh.com

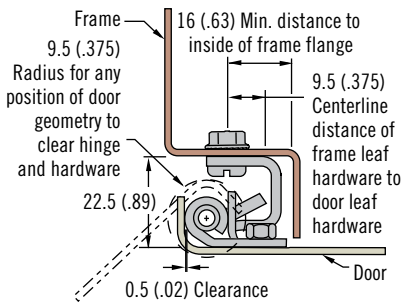
Formed Frame Leaf



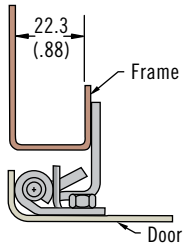


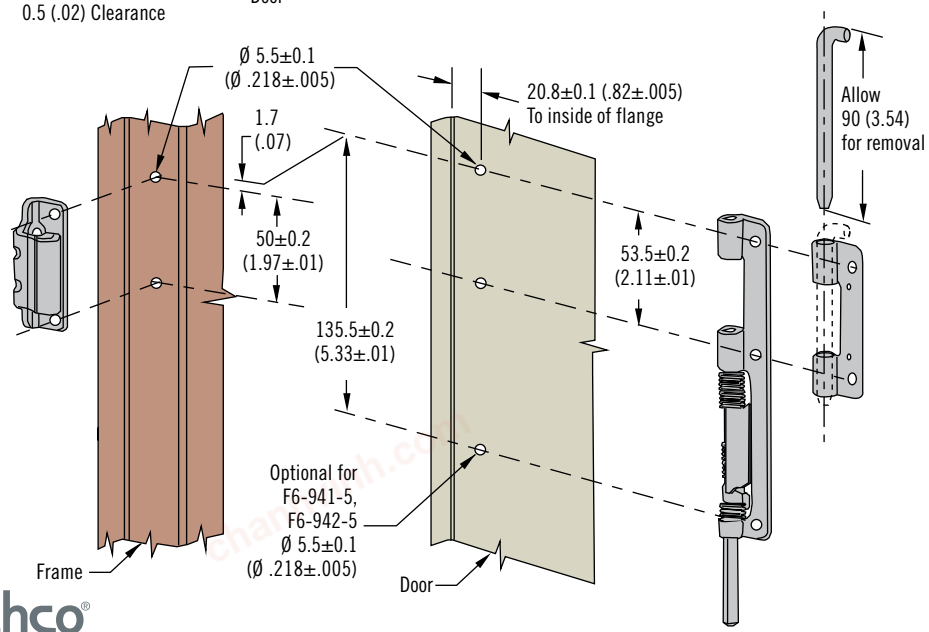
Installation

Typical door and frame installation using formed frame leaf



Typical door and frame installation using flat frame leaf





Dimensions in millimeters (inch) unless otherwise stated