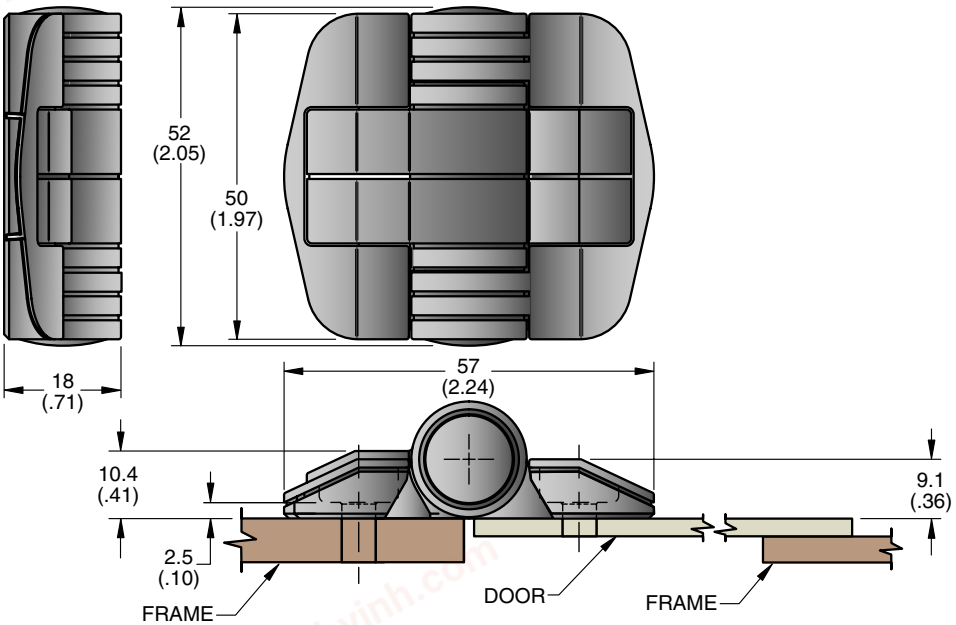
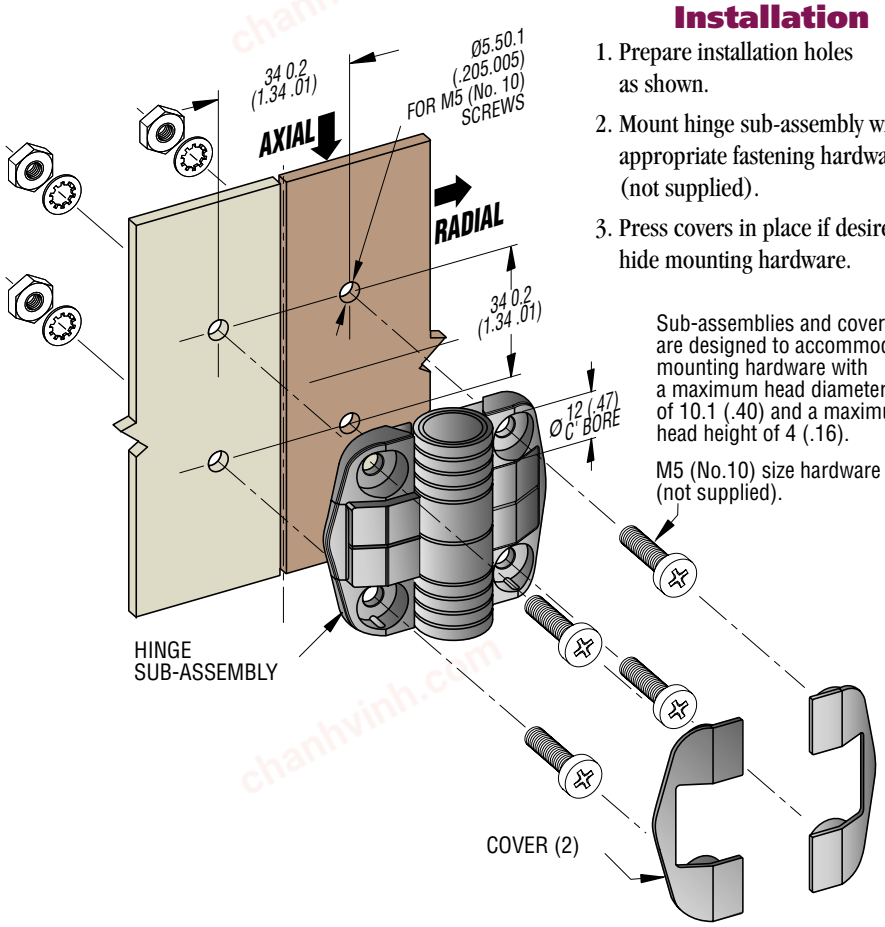
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Southco® Hinges

Door-positioning Hinge

- **Holds doors open without secondary mechanical support**
- **3 positioning torques hold doors at 80°, 115° or 150°**
- **All versions can be further opened to 180°**
- **Free-swinging style available**
- **Secure, snap-on covers conceal mounting hardware**





Installation

1. Prepare installation holes as shown.
2. Mount hinge sub-assembly with appropriate fastening hardware (not supplied).
3. Press covers in place if desired, to hide mounting hardware.

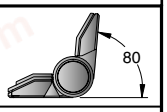
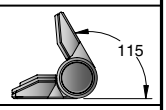
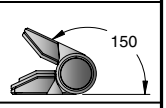
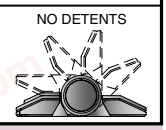
Sub-assemblies and covers are designed to accommodate mounting hardware with a maximum head diameter of 10.1 (.40) and a maximum head height of 4 (.16).

M5 (No.10) size hardware (not supplied).



Material and Finish

External components
HINGE LEAVES, RETAINING TAB, END PLUGS, and COVERS: Acetal, black.
Flammability Rating: UL94-HB
Internal components
SPRINGS: 302 Stainless steel, natural.
DETENT BALLS: Chrome steel, zinc plate, chromate plus sealer.
DETENT TUBE: 1065 Steel hardened, zinc plate, chromate plus sealer, or 304 stainless steel passivated.

PART NUMBERS		POSITIONING TORQUE N•m (in. lbs.)	DETENTED OPEN ANGLE
Stainless Steel Detent tube	Hardened steel Detent tube		
C6-21 •	C6-1 •	0.7 (6)	
C6-22 •	C6-2 •	1.1 (10)	
C6-23 •	C6-3 •	1.7 (15)	
C6-24 •	C6-4 •	0.7 (6)	
C6-25 •	C6-5 •	1.1 (10)	
C6-26 •	C6-6 •	1.7 (15)	
C6-27 •	C6-7 •	0.7 (6)	
C6-28 •	C6-8 •	1.1 (10)	
C6-29 •	C6-9 •	1.7 (15)	
C6-20 •	C6-0 •	——	NO DETENTS 

Note: Part numbers shown consist of one sub-assembly and two covers, shipped separately, bulk.

Product Strength Guidelines

(To assist in your product selection; samples are available for your evaluation.)

RADIAL
Maximum static load - 450 N (100 lbs.)
Average ultimate load - 2600 N (575 lbs.)

AXIAL
Maximum static load - 450 N (100 lbs.)
Average ultimate load - 1800 N (400 lbs.)
CYCLE LIFE (stainless steel): Up to 5000
(steel): Up to 20,000

Operating Temperature Range:
-40°C (-40°F) To 80°C (180°F)

millimeter (inch)

millimeter (inch)

Dimensions without tolerances are for reference only.

 • Products identified with this symbol are stocked subject to prior sale in one or more of our global locations. If unavailable from our facility nearest you, allow for shipping time from another facility.