

## Hinges and pivots

### Architectural hinges

# 3SP1

### 3 Knuckle, spring full mortise hinge

- For use with doors where self-closing is required
- Maximum door weight 120 lbs, max door width 36"
- Maximum labeled door size - 3'0" wide x 7'0" x 1 3/4" thick as set in NFPA #80
- Packed with fasteners for hollow metal and half metal/half wood applications
  - 12-24 x 1/2 UFPHMS, 12 x 1 1/4 FPHWS
  - Pin for setting spring tension
  - Adjusting wrench

### Specifications

Material substrate	1040 steel or 304 series stainless steel
Certifications	<ul style="list-style-type: none"> <li>▪ Meets ANSI/BHMA 156.7 for template hinge dimensions</li> <li>▪ UL Listed for use with fire rated doors</li> </ul>

### Dimensions

Height x Width	Size (mm)	Gauge
4 x 4	102 x 102	0.130
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134

Refer to General Hinge Information page to determine proper hinge for application.

### Options

<b>RC-1/4, RC-5/8</b>	Rounded corners
<b>SEC</b>	Security fasteners - pin-in-socket (for hollow metal doors and frames only)

### Finishes

BHMA	Description	Substrate	Finish
600	Primer Paint	Steel	USP
629	Bright Stainless	Stainless steel	US32
630	Satin Stainless	Stainless steel	US32D
631	Matte Black	Steel	F-BLK
632	Bright Brass	Steel	US3
633	Satin Brass	Steel	US4
639	Satin Bronze	Steel	US10
640	Oil Rubbed Bronze	Steel	US10B
641	Oxidized Bronze	Steel	US10A
646	Satin Nickel	Steel	US15
651	Bright Chrome	Steel	US26
652	Satin Chrome	Steel	US26D
643e/716	Aged Bronze	Steel	F-643e/716
695	Dark Bronze Painted	Steel	F-695/US10BE

For other colors, consult factory.

### Hinge selection guide

Door size and weight	Number of spring hinges	Number of anti-friction template butt hinges	Spring hinge location
Door up to 70 lbs (32 kg) and not exceeding 1 3/4" (44 mm) thickness, 36" (914 mm) width and 90" (2286 mm) height	1	2	Center
Door up to 90 lbs (41 kg) and not exceeding 1 3/4" (44 mm) thickness, 36" (914 mm) width and 90" (2286 mm) height	2	1	Center and bottom
Door up to 120 lbs (54 kg) and not exceeding 1 3/4" (44 mm) thickness, 36" (914 mm) width and 96" (2438 mm) height	3	0	All

