

Special Applications

Spring Hinge

Some door/frame/wall and even ceiling conditions make door closers impractical. An alternative closing device is the Spring Hinge. Generally, at least two hinges on a door must be spring hinges to provide adequate closing force.

Note: NFPA requires a minimum of two (2) spring hinges on fire labeled doors. With adjustable spring tension on the hinge, the closing speed of the door is determined by the amount of closing force set on the hinge. Spring hinges may not be suitable for applications requiring a closing device with non-critical closing and latching speed adjustments. With respect to meeting ADA requirements for closing devices, carpeting and/or gasketing can interfere with latching. McKinney offers both **Full Mortise** and **Half Surface Spring Hinges**. McKinney now offers a Reverse Action, 1502R, (by special request) which allows the door to remain in the open position. In addition, for high security applications, we offer the TRS option. This Tamper Resistant Screw is screwed into the tension ratchet after the proper tension has been set.

1502
(Full Mortise Type)



1572
(Half Surface Type)

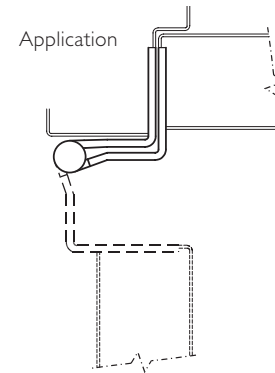


Swing Clear Hinge

A condition which is common in barrier free openings, and especially in hospitals, is how to remove the door edge from the opening at 90° of swing with flush door/wall/ frame conditions. Recommended to hang door with swing to 80°: Full Mortise Swing Clear Hinge. The solution offered by this hinge is the offset of the hinge barrel to a location along the face of the hinge jamb, thereby removing the door edge and the barrel of the hinge as obstacles in the opening at 90° or more of swing. If the door is beveled on the hinge side, specify the appropriate beveled hinge and handing for your application*.

* Consult individual Swing Clear catalog pages for beveled hinge product numbers.

TA2895



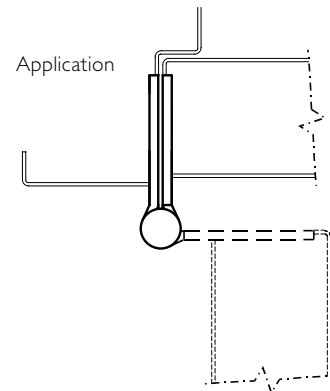
Meets or exceeds
ANSI A117.1 - 1986
*Providing Accessibility
and Usability for Physically
Handicapped People*

Standard Weight Spring Hinge

Recommended for standard weight, medium frequency doors in place of door closers in apartments, hotels, motels, office buildings, etc.

- Spring hinges are an alternative to door closing devices. Generally two hinges on the door must be spring hinges to provide adequate closing force. NFPA requires a minimum of two (2) spring hinges on labeled doors
- This non-handed spring hinge series is adjustable and tension can be added or reduced by means of a hex key that is provided
- Locking screw provides tamper-resistance after the proper tension has been set. For unparalleled tamper resistance and security choose the TRS option
- **Caution:** Use of gasketing for smoke or sound protection, wind conditions or unbalanced air pressure, twisted or misaligned frames or doors, door bottoms, improper latch adjustment may prevent doors from latching. Additional spring hinges may be required.
- For available finishes see page 29

1502
1552



No.	ANSI Cross Reference	Base Material	Weight
1502	K81081	Steel	STD
1502	K81081F	Steel	STD
1552	K51071	Stainless Steel	STD
1552	K51071F	Stainless Steel	STD

Specifications

Inches	mm	Gauge	No. of Holes	Fasteners	
				Machine	Wood
4" x 4"*	101.6 x 101.6	.130	8	½ x 12-24	1¼ x 12
4½" x 4"	114.3 x 101.6	.134	8	½ x 12-24	1¼ x 12
4½" x 4½"	114.3 x 114.3	.134	8	½ x 12-24	1¼ x 12

*Not available in 1552

Options:

Code	Description
RC	Round corner - ¼" radius furnished unless specified otherwise
HT	Hospital Tip - on one side only*
1502-R	Reverse Spring Option (maintains the door in the open position)*
TRS	Tamper Resistant Option**

* Voids the UL® listing

** A tamper resistant screw is screwed into the tension ratchet after the proper tension has been set.