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)

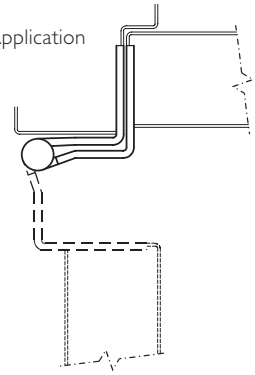
Swing Clear Hinge

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

Application



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

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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

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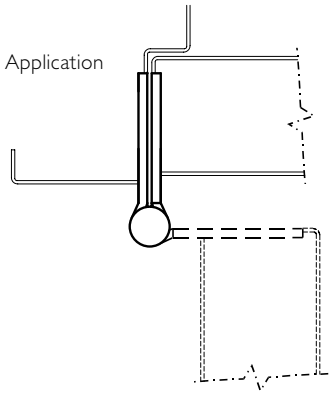
Application



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	Fasteners: 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.

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Door Springs

SKU	Catalog Number	Size	Finishes
155371	451	9	D4
155381	452	11	D4
155401	453	13	D4

Standard Weight Spring Hinges

SKU	Catalog Number	Size	Finishes
155905	1502	4 x 4	10B
155907	1502	4 x 4	26D
156007	1502	4½ x 4	15
156008	1502	4½ x 4	26D
156009	1502	4½ x 4	26
156017	1502	4½ x 4½	P
156020	1502	4½ x 4½	10
156021	1502	4½ x 4½	10B
156022	1502	4½ x 4½	15
156023	1502	4½ x 4½	26D
156024	1502	4½ x 4½	26
156025	1502	4½ x 4½	3
156047	1522	4½ x 4½	26D
156056	1552	4½ x 4	32D
156080	1552	4½ x 4½	32D

Swing Clear Heavy Weight 5k Hinges

SKU	Catalog Number	Size	Finishes
55195	T4A3395	4½	32D
55196	T4A3395	5	32D
73451	T4A4795	4½	26D
73461	T4A3795	4½	4
73463	T4A3795	4½	26D
73474	T4A3795	4½	3
73481	T4A3795	4½	26
73482	T4A3795	5	26D
73522	T4A3796	5	26D
73590	T4A4795	5	26D

Standard Weight 5K Hinges

SKU	Catalog Number	Size	Options	Finishes
58845	T2314	3½ x 3½		32D
58964	T2314	4½ x 4½		32D
58965	T2314	4½ x 4½	NRP	32D
58972	T2314	4½ x 4½		10B
59505	RCTA2314	4½ x 4	NRP	32D
59646	T2314	4 x 4		10B
59661	T2314	4 x 4		32D
59678	TA2314	4 x 4		32D
59680	TA2314	4 x 4		10B
59752	TA2314	4½ x 4		32D
59755	TA2314	4½ x 4	NRP	26D
59756	TA2314	4½ x 4	NRP	32D
59795	T2314	4½ x 4½		26
59808	HTA2314	4½ x 4½		32
59815	TA2314	4½ x 4½	BT	10B
59821	TA2314	4½ x 4½	NRP	P
59822	TA2314	4½ x 4½		4
59823	TA2314	4½ x 4½		32
59826	TA2314	4½ x 4½		3
59832	TA2314	4½ x 4½		26D
59835	TA2314	4½ x 4½	NRP	10
59837	TA2314	4½ x 4½	NRP	26D
59838	TA2314	4½ x 4½		32D
59839	TA2314	4½ x 4½		10B
59840	TA2314	4½ x 4½	NRP	32D
59844	TA2314	4½ x 4½	NRP	3
59846	TA2314	4½ x 4½	NRP	4
59873	TB2314	4½ x 4½	NRP	26D
59904	TA2314	5 x 4½		32D
59906	TA2314	5 x 4½		10B
59910	TA2314	5 x 4½	NRP	32D
59966	TA2314	5 x 5		10B
59986	TA2314	5 x 5	NRP	32D
76001	TA2314	4½ x 4½	NRP	10B
55314	T2714	3½ x 3½		15
55315	T2714	3½ x 3½		P
55317	T2714	3½ x 3½		3

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