



PRODUCT SPECIFICATIONS
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790-905

Concealed Leaf, Door of Any Material

Applications



PRODUCT SPECIFICATIONS

Certifications:

ANSI A51011B Grade 1 for 150-pound doors, UL

Clearance:

9/32" minimum hinge side plus standard lockside clearance

Door Reinforcement:

Wood - None required up to 200 lbs. For metal doors, a 1/8" (3 mm) thick reinforcement plate is recommended along the hinge edge for proper thread engagement of the adjustment studs.

Fastener Size:

#10-24 x 5/8" S/S Dril-Kwik® (metal frame), #1/4-32 x 3/4" S/S machine fastener (used with adjustment stud), # 7/16-20 x 1-3/8" S/S adjustment stud (metal/wood door)

Fire Rating:

Up to 3 hr. metal and 90 min. wood composite

Frame Reinforcement:

None required to 200 lbs. Heavier weight use 16-gauge channel.

H Length:

79", 83", 85", 95", 119"

Length Options:

Standard and Custom

Material:

14 Ga. (0.075") Type 304 Stainless Steel

Maximum Door Length:

10'-0"

Maximum Door Thickness:

1-3/4"

Maximum Door Weight:

300 lbs

Notes:

For metal doors, a 1/8" (3.2mm) thick reinforcement plate is strongly recommended along the hinge edge for proper thread engagement of the adjustment studs. Any nonstandard length hinge may require a custom hole pattern based on the requested length. Consult Hager Companies to address the field prep for the doors and frames. Tamper resistant hospital tip available.

Optional Features:

Tamper Resistant Hospital Tips (HT), Sheared leaf, Raised Barrel (SWAGED), Wide Throw, Security Studs, Dutch Door Prep (DUTCH), Powder Coat

Special Features:

1/4" (6.3 mm) diameter Stainless Steel Pin. Dual 6/6 Nylon bearings between each knuckle. Door edge protection lip (both faces of

door). Not recommended for doors with a beveled edge on the hinge side. 1/16" (1.6 mm) inset.