



## 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.