

# 780-224HD

Heavy Duty  
Concealed Leaf Hinge



**Application:**

- Lead lined model for hospital x-ray room doors with double row of screws to straddle lead (specify "LL")
- Door edge protection lip
- Frame leaf alignment rib for proper hinge and door location
- 3/32" (2 mm) inset

## PRODUCT SPECIFICATIONS

**CERTIFICATIONS:**

- Conforms to ANSI A156.26 for A31031G

**CLEARANCE:**

- 5/16" (8 mm) hinge side
- Plus standard lockside clearance

**FASTENERS:**

- #12-24 X 11/16" Flat Head Self-Drill Screws

**LENGTH OPTIONS:**

- Standard and Custom

**DOOR REINFORCEMENT:**

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

**FRAME REINFORCEMENT:**

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

**FIRE RATING:**

- Up to 3 hr. metal and 90 min. wood composite (with studs)

**WARRANTY:**

- All Roton products have a lifetime warranty. When ordering electric Roton, the electric portion of the hinge has a one-year warranty.

**MATERIAL:**

- Aluminum 6063-T6

**ELECTRIC MODIFICATIONS:**

- Power Transfer Preparation (EPT 2) or (EPT 10)
- Exposed Electric Contacts (E)
- Exposed Electric Switches (E1S)
- Electric Through-Wire (ETW)
- Electric Monitoring (EMN)
- Electric Through-Wire and Monitoring (ETM)
- Removable Electric Through-Wire (RETW)

## PRODUCT SIZE OPTIONS

LENGTH (INCHES)	LENGTH (MM)	HOLE COUNT (DOOR)	HOLE COUNT (JAMB)
79	2007	15	15
83	2108	19	19
85	2159	19	19
95	2413	20	20
119	3023	23	23