



- Notes:**
- Do not scale drawing.
  - Right hand door shown. Same dimensions apply for left hand door, measured from centerline of hinge or pivot.
  - Template information based upon use of 4-1/2" hinges or 3/4" offset pivots.
  - Dimensions are shown in inches and millimeters (mm).
  - Hollow metal doors require channel or box-type reinforcement when thru-bolt mount is specified.
  - Sleeve nuts and bolts are required for wood or plastic faced fire-door installations.
  - Minimum thickness recommended for reinforcements in hollow metal doors and frames is .1046 (2.66) unless noted otherwise.
  - Minimum ceiling clearance for closer unit is 2" (50).
  - Maximum door opening is 110°.

Preparation for Fasteners			
	Fasteners	Door or Frame	Drill-Sizes
Standard	1/4" - 20 machine screw	Metal	Drill: #7 (0.201" dia.) Tap: 1/4" - 20
	Sleeve nuts and bolts	Hollow Metal	9/32" (7 mm) through; 3/8" (9.5 mm) door face opposite to closer
		Aluminum or Wood	3/8" (9.5 mm) through
Optional	Through-bolts and grommet-nuts	All	9/32" (7 mm); 3/8" (9.5 mm) dia. x 3/8" (9.5 mm) deep on door opposite to closer

Norton Series 7700PTO Support Unit  
Combination Door Closer-Holder with Single Point Hold Open  
Hinge (Pull) Side of Door Installation



TEMPLATE NUMBER	REV	DATE
7378-1801	2	02/22