



Right Hand Shown

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

NORTON
RIXSON

ASSA ABLOY

TEMPLATE NUMBER
7378-1801 REV **2** DATE **02/22**