

		Preparation for Fasteners			
		Fasteners Door or Frame Drill-Sizes			
		1/4" - 20 machine screw	Metal	Drill: #7 (0.201" dia.) Tap: 1/4" - 20	
	Standard	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	

Left Hand Shown

Notes:

- Do not scale drawing.
- Left hand door shown. Same dimensions apply for right 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.
- Sex-nuts 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.
- Maximum door opening is 110°.

Yale Series P400PTO Support Unit With or Without 488 Drop Plate

Combination Door Closer-Holder with Single Point Hold Open Stop (Push) Side of Door Installation

