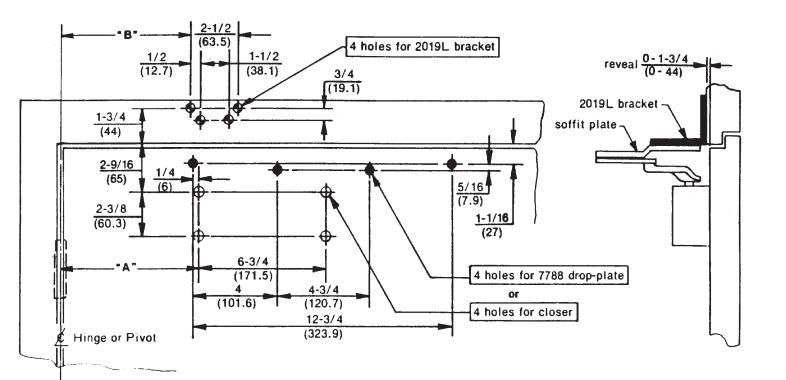
Do not scale drawing Left hand door shown Dimensions are in $\frac{inches}{(mm.)}$

Caution: Door swing may be limited by door, frame, wall, or hardware condtions.

Hollow-metal doors require channel or box-type reinforcement when thru-bolt mount is specified.

Minimum thickness recommended for reinforcements in hollow-metal doors and frames: .1046" (2.66mm.) unless otherwise noted.

Opening	Dim. "A"		Dim. "B"	
Opening	inches	mm	inches	mm
To 100°	8-3/4	222	9-3/8	238
101° to 130°	7-1/4	184	7-7/8	200
131° to 150°	6-1/4	159	6-7/8	175
151° to 180°	5-1/4	133	5-7/8	149



Preparation for Fasteners					
Fasteners	To Apply	Door or Frame	Drill Sizes		
Sex-nuts and bolts	Closer, drop-plate, 2019L Bracket	Hollow-Metal	9/32" (7.00mm.) through 3/8" (9.50mm.) door-face opposite to closer		
		Aluminum or wood	3/8" (9.50mm.) through		
#14 x 1%" (32mm.)	Wood	3/16" (4.30mm.)			
type "A" S.M. screws	Special Application	Aluminum	7/32* (5.50mm.)		
%-20 machine screw	Optional	Metal	drill: W7 (.201" dia.) tap: 1/4-20		
Through-bolts and grommet-nuts	Optional	All	9/32" (7.00mm.) through; 3/8" (9.50mm.) dia. x 3/8" (10mm.) deep, door face opposite to closer.		

PR7500, PR7500H, PR7700 or PR7700H Series Door Closers With 2019L Bracket With or Without 7788 Drop Plate Parallel Rigid Installation With Non Hold Open or Hold Open

