## MOUNTING INFORMATION

Sex nuts or through bolts are required for wood and plastic covered composite doors, and any type of door without reinforcements and recommended for wood core and metal clad (Kalamein) type doors.

RH SHOWN LH OPPOSITE

		Opening Maximum	А	В	Hinge Condition
		110°	8" (203.2)	13-3/8 (339.7)	Butts, Offset
	180°	5" (127)	10-3/8 (263.5)	Pivots, And Swing Clear	
E		0.4/0./40=.4\	4.4.7(0.(004.0)	Hinges	
	<u> </u>	140°	6-1/2 (165.1)	11-7/8 (301.6)	Center Hung

Plate Lower CLOSER TO BE INSTALLED IN A TRUE HORIZONTAL Mounting Holes CAUTION: POSITION TO ENSURE PROPER CLOSER PERFORMANCE. 2 - 3/4NOTES: 15/16 (69.9)(6.4)1. Dimensions given in inches and (mm). (23.8)1-21/32 (42.1) 2. 1" (25.4) minimum top jamb required for For 1-3/4 (44.5) mounting plate. Inch Doors \*3. To mount plate on jambs narrower than (Length may vary 2-3/4 (69.9), decrease 2" dimension and for other door increase 2-7/16 dimension equally. (50.8)5/8 thicknesses) 4-3/16 (15.9)4. For 1-3/4 (44.5) minimum jambs with (106.4)Màx Stóp required clearance above closer, mount closer directly to jamb without plate. 5. Minimum Top Rail: Add 5/16 (7.9) to arm 3/8 DIA. 9/16 DIA bracket dimension. (9.5)1/4 (14.3)6. Dimensions "A" & "B" apply to centerline (6.4)of hinge/pivot for butt or swing clear SEX NUT DETAIL Sex Nut Application: hinge; offset or center pivots. 9/32 Dia. (7.1) Thru Clearance For 1/4-20 Sex Nut Application: Enlarge To 3/8 (9.5) Machine Screw Dia. This Side Only (2 Places) 11-5/8 (2 Places) (295)Full Cover 4-3/4 Plate Lower (76)(76)(120.7)Frame Line Ceiling Mounting Holes 7/16 Line  $(11.1)^{2}$ (9.5)စ် <u>ف</u> 2" MAX (69.9) 3-3/4 MAX (50.8)(95.3)(76.2)4-9/16 (115.9)2-7/16 Hinge Or 188F65 (61.9) MIN 2-1/4 Pivŏt Top Of Door Plate (57.2) В **DOOR** Arm Bracket 1/4-20 Tap For Machine Screw Or Drill For #14 Wood Screw (6 Places)

## RESPONSIBILITY

Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown. All architectural builders hardware must be installed on properly reinforced doors and frames, regardless of the type, material, or method of construction.

DC6220 Series By 188F65 DC6420 Series By 188F65 Surface Door Closer Top Jamb Mounting By Plate (with or without A1, A6, or A8)

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