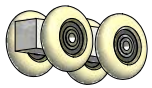
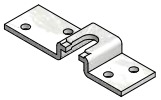
CF-415 PIVOTING DOOR SERIES KIT

INSTRUCTION SHEET
FOR 1-3/4" DOORS UP TO 120LBS PER PANEL

PARTS LIST (FOR 2 DOOR KIT)

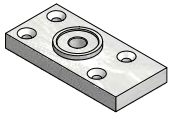

C-993 HANGER (1)

CF-410-1 TOP PIVOT PLATE (1)


C-993 TOP PLATE (1)

CF-410-2 TRACK CLAMP (1)

CF-410-3 DOOR PLATE (2)


CF-410-6 BOTTOM PIVOT PLATE (1)

ADJUSTMENT ROD (1)

C-993 QUICK DISCONNECT STUD (1)

CF-410-4 TOP PIVOT STUD (1)

CF-410-5 BOTTOM PIVOT STUD (1)

3/8-16 K-LOCK NUT (2)

3/8" HEX NUT (1)

#10 X 1-3/4" FLATHEAD SCREWS (6)

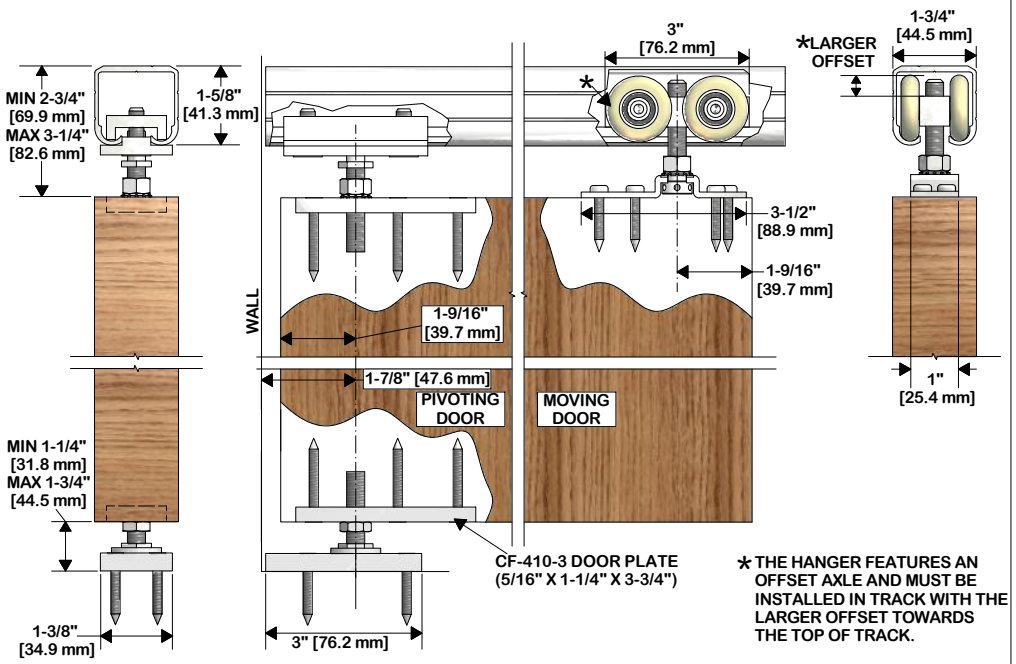
#10 X 1-1/2" FLATHEAD SCREWS (4)

#10 X 1-1/4" SCREWS (12)

5/16 X 1" HEX SOC CAP SCREW (2)

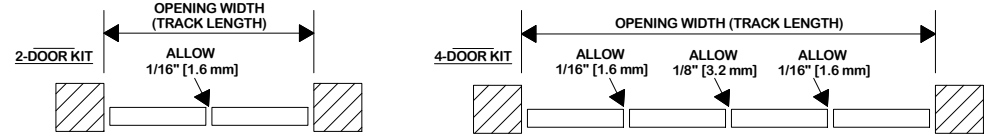
C-104 EXTRUDED ALUMINUM TRACK

DIMENSION DETAILS:

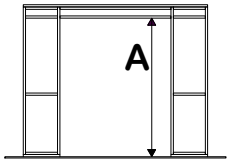


★ THE HANGER FEATURES AN OFFSET AXLE AND MUST BE INSTALLED IN TRACK WITH THE LARGER OFFSET TOWARDS THE TOP OF TRACK.

PLAN VIEWS SHOWING CLEARANCE BETWEEN DOORS

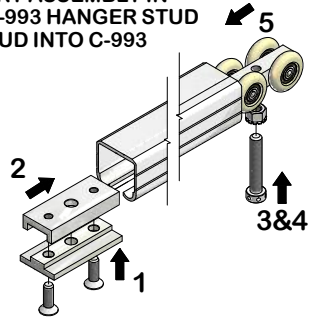


INSTALLATION INSTRUCTIONS



STEP 1
DETERMINE DOOR SIZE/HEADER HEIGHT BASED ON DIMENSIONS SHOWN IN DETAIL VIEWS AND CLEARANCE REQUIRED BELOW DOOR:
-MINIMUM OPENING HEIGHT (A) = DOOR HEIGHT + 4"
-MAXIMUM OPENING HEIGHT (A) = DOOR HEIGHT + 5"

STEP 2
CUT TRACK TO LENGTH & DRILL 13/64"Ø MOUNTING HOLES 10-12" C/C. TRACK LENGTH SHOULD EQUAL FINISHED OPENING SIZE LESS 1/8".
1)INSERT 5/16" X 1" HEX SOC CAP SCREWS(2) THROUGH CF-410-1 TOP PIVOT PLATE AND THREAD CAP SCREWS INTO CF-410-2 TRACK CLAMP. 2) INSERT ASSEMBLY IN TRACK ON PIVOTING END. 3) THREAD 3/8-16 K-LOCK NUT ONTO C-993 HANGER STUD WITH LOCK WASHER FACING BOLT HEAD. 4) THREAD HANGER STUD INTO C-993 HANGER (SEE DIMENSION DETAILS FOR AXLE OFFSET NOTE).
5) INSERT HANGER ASSEMBLY INTO OPPOSITE END OF TRACK. SECURE TRACK TO HEADER WITH #10 X 1-1/4" SCREWS (8).



STEP 3
PREPARE DOOR FOR CF-410-3 DOOR PLATES. IT RECOMMENDED FOR PLATES TO BE FLUSH WITH TOP AND BOTTOM OF DOOR. (DRILL 7/16" CLEARANCE HOLES FOR PIVOT BOLTS) AND SECURE PLATES TO TOP AND BOTTOM OF PIVOTING DOOR WITH #10 X 1-3/4" SCREWS (3 PER PLATE).

STEP 4
LOCATE AND SECURE C-993 TOP PLATE ON MOVING DOOR WITH #10 X 1-1/4" SCREWS (4). SEE DIMENSION DETAILS FOR LOCATION.

STEP 5
LOCATE AND INSTALL CF-410-6 BOTTOM PIVOT PLATE ON FLOOR WITH #10 X 1-1/2" FLAT HEAD SCREWS (4). FOR 1-3/4" DOORS A MINIMUM OF 1-7/8" FROM WALL TO CENTER OF PIVOT BEARING ON BOTTOM PLATE IS REQUIRED. (SEE DIMENSION DETAILS).

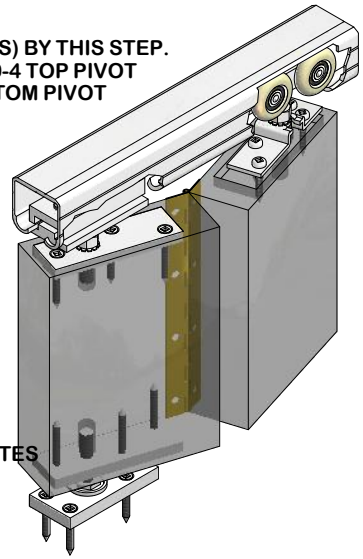
STEP 6
1) THREAD 3/8-16 K-LOCK NUT(1) ONTO CF-410-4 TOP PIVOT STUD AND THREAD INTO TOP DOOR PLATE OF PIVOTING DOOR. 2) THREAD 3/8" HEX NUT ONTO CF-410-5 BOTTOM PIVOT STUD AND THREAD INTO BOTTOM DOOR PLATE OF PIVOTING DOOR. (NOTE: THREAD BOLTS FULLY INTO DOOR PLATES IN ORDER TO PROVIDE ADEQUATE CLEARANCE FOR NEXT STEP).

STEP 7
DOORS SHOULD BE PREASSEMBLED WITH HINGE (BY OTHERS) BY THIS STEP. RAISE DOOR ASSEMBLY INTO PLACE BY POSITIONING CF-410-4 TOP PIVOT BOLT INTO CF-410-1 TOP PIVOT PLATE. GUIDE CF-410-5 BOTTOM PIVOT BOLT INTO CF-410-6 BOTTOM PIVOT PLATE BEARING.

STEP 8
ADJUST CF-410-4 TOP PIVOT BOLT UPWARDS USING A 5/8" WRENCH TO RE-ENGAGE CF-410-1 TOP PIVOT PLATE AND LOCK TRACK PIVOT PLATE ASSEMBLY USING 3/16" HEX KEY.

STEP 9
CAREFULLY SWING MOVING DOOR INTO POSITION AND ENGAGE C-993 HANGER STUD (STEP 2) INTO C-993 TOP PLATE. ADJUST STUD WITH ADJUSTMENT ROD PROVIDED. SECURE SETTING WITH LOCK NUT. ALTHOUGH HANGER C-993 IS RATED FOR OVER 150LBS, MAJORITY OF LOAD SHOULD BE CARRIED BY THE BOTTOM PIVOT ASSEMBLY FOR SMOOTH OPERATION.

STEP 10
IF PIVOTING OF DOOR RESULTS IN BOTTOM PIVOT BOLT LIFTING OFF OF CF-410-6 BOTTOM PIVOT PLATE THIS INDICATES THAT THE PIVOTING PLANE IS NOT PERPENDICULAR TO THE TRACK. ADJUST PLUMB AS REQUIRED BY REPOSITIONING TRACK PIVOT PLATE ASSEMBLY. ONCE ADJUSTMENTS ARE FINAL, LOCK IN PLACE WITH 3/8-16 K-LOCK NUTS.



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