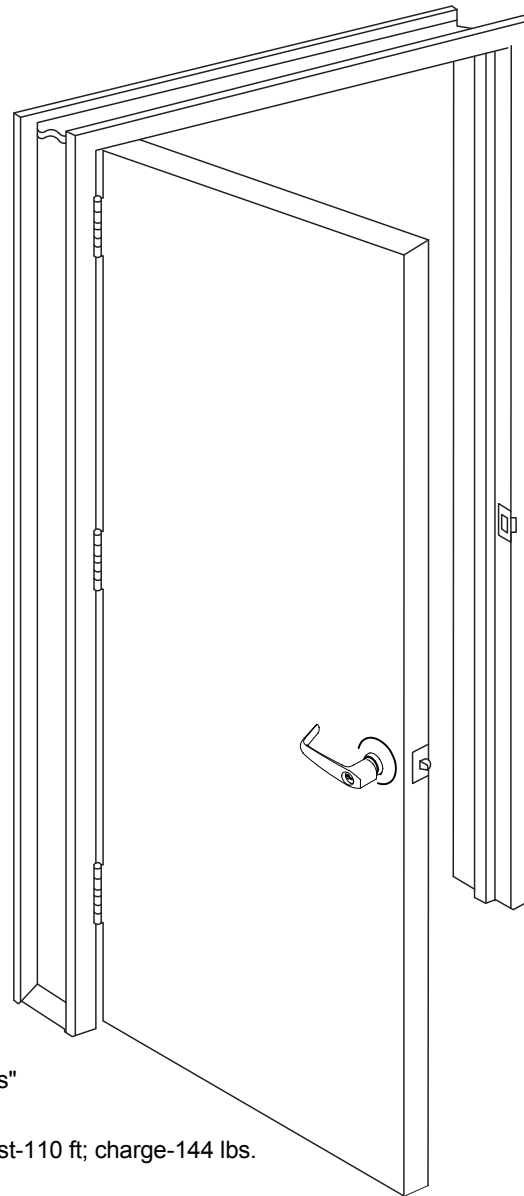


TECHNICAL DATA – DOORS

ENGINEERING DETAILS for BLAST RESISTANT DOOR ASSEMBLY **SERIES SBR-16 Full Flush and Seamless 1³/₄" Doors per UFC-4-010-01** (PEAK PRESSURE-6psi; IMPULSE-42psi-msec; CHARGE WEIGHT-144 lbs; STANDOFF DISTANCE-110ft.)

Specifications

1. SBR-16 doors shall be formed from two 16 gage A60 Galvannealed Steel per ASTM A924 and A653 and shall be 1-3/4" thick.
2. Doors shall have a core of rigid Expanded Polystyrene The core shall have a nominal density of 1 #/ft³
3. Full Flush doors shall have vertical mechanical interlocking seams on hinge and lock edges. The seam shall be tack welded every 12". There shall be no seam on the faces of door.
4. Seamless doors shall have no seams on the faces or edges of doors. Vertical edges of doors shall be tack welded every 12" full height of the door.
5. All hinge reinforcements shall be 3/16" thick.
6. All doors shall be internally reinforced with a 12 gage plate both sides of the door for application of surface applied door closures and holders.
7. Frames shall be fabricated from min. 16 Gage steel with welded Corners and reinforced for approved hardware
8. All doors and frames shall be cleaned and given one coat of baked on rust- inhibitive metal primer in compliance with ANSI A250.10-2004
9. All fire rated doors, where indicated, shall be manufactured in accordance with UL or WHI procedures and bear the appropriate classification mark (label).
10. SBR-16 Assembly conforms to the low pressure blast resistance requirements of buildings and evaluated per ASTM F 2248 for single openings up to 3'-0" x 8'-0" and Pairs up to 6'-0" x 8'-0"
11. Door construction complies with ANSI A250.8-2003 (SDI 100)
12. Hardware reinforcements are in accordance with ANSI A 250.6-2003. Locations are in accordance with ANSI/BHMA A156.115.
13. Doors shall be packaged to minimize damage in transit and handling.
14. Door and Frame Assemblies are evaluated to comply with the UFC-4-010-01 "DoD Minimum Antiterrorism Standards for Buildings" 2nd February 2012 and ASTM F 1642 referenced there in.
15. Unit ratings: Peak Pressure-6 psi; Impulse-42psi-msec; standoff dist-110 ft; charge-144 lbs.



Assembly shown for illustration only

TECHNICAL DATA – DOORS

BR SERIES

ENGINEERING DETAILS for BLAST RESISTANT DOOR ASSEMBLY
SERIES SBR-16 Full Flush and Seamless 1¾" Doors per UFC-4-010-01

LIST OF APPROVED HARDWARE

(May be substituted with evaluated Hardware)

1.	VON DUPRIN SERIES 9947 CONCEALED VERTICAL ROD DEVICE-
2.	VON DUPRIN SERIES 99 RIM EXIT DEVICE-
3.	VON DUPRIN SERIES XP 99 RIM EXIT DEVICE-
4.	VON DUPRIN 9954 HARDWARE MULLION.-
5.	SCHLAGE ND SERIES CYL.LOCK-
6.	SCHLAGE 600 SERIES DEAD LOCK-
7.	IVES 458 FLUSH BOLTS-
8.	HAGER MORTISE 4 ½" HINGES-
9.	ZERO- #65A ALUM. RABBETED SADDLE -5" WIDE
10.	ZERO- #188S-BK -0.5" SILICONE SEAL WITH PSA-
11.	ZERO #118B CUSHION BRONZE 9/16" WITH TAPE
12.	
13.	ZERO # 328A -NEOPRENE DOOR SWEEP
14.	HILTI QUICK III 3/16" X 2 ¾" CONCRETE SCREWS-
15.	HILTI QUICK 3 EXPANSION BOLTS-3/8" X 5"