1-3/4" Sound-Tech Xpress +

Communicating STC56 thru STC66 (Flush Singles)

TESTED AND IN COMPLIANCE WITH ASTM E90, ASTM E413, ASTM E1332, & ASTM E2235.
DOOR SYSTEMS ARE IN COMPLIANCE WITH HMMA 865 & SDI-128 SPECIFICATIONS.
COMPLETE WITH PERIMETER SOUND SEALS, BOTTOM SEALS, THRESHOLD AND CAM LIFT HINGES
AS REQUIRED FOR RATING.

The Required Core Will Be Provided
To Achieve The Rating Needed.
Appropriate Acoustical Seal Sets
Are Provided With Each STC Rated Assembly.

MODEL AS66C (STANDARD FRAME NOT AVAILABLE)
(SEAL SET 66 FOR SINGLES, SEAL SET 66P FOR PAIRS)

Suggested Uses:
Conference Rooms, Communicating
Hotel Rooms, Meeting Rooms,
Recording Studios, Manufacturing
Test Cells, and Hearing Impaired
Test Facilities.
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

TYPICAL PROFILE

COMMON WALL APPLICATION SHOWN BELOW

NOTICE: DOORS CAN HINGE ON SAME JAMB OR HINGE ON OPPOSITE JAMBS.

COMMUNICATING FRAME

DOOR OPENING WIDTH 20" THRU 40"

HORIZONTAL SECTION

OPTIONAL PROFILE

1/4-20 Bolts @ 6" on center
Provides 3/8" Adjustment
Adjustable Door Bottom

1/2" Flat Unfluted Threshold
Set In Mastic or Dry Pack
Grout To Floor By Installer

Thresholds must be level and filled to compensate for uneven floors and prevent sound leaks.
Thresholds should protrude 1 1/2" past each face of frame, at pull side of door, to allow the EPDM neoprene seal section of the door bottom to seat properly during normal operation with the Gravity Glide hinges. Please specify threshold finish. Available with mill aluminum or dark bronze finish.

STC wall construction varies with STC rating required.
Installation in stud walls will require grouting prior to installation.

Conversion: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm

It is important that acoustic door systems be properly installed and sealed into the wall to prevent "flanking noise". Acoustical systems are furnished with detailed installation instructions.
1) All exposed surfaces of door and frame to receive one coat of rust inhibitive prime paint complying with ASTM A250.10.
2) An aluminum threshold is included. Threshold must protrude 1 1/2" inches past the face of the frame on the pull side of the door to allow the EPDM rubber section of the door bottom to seat properly during normal operation of the Gravity-Glide cam-lift hinges.
3) Door bottom requires a flush level sealing surface. The threshold must be level and may require shimming to compensate for an uneven floor. This will prevent any sound leaks at this location. Threshold to be grouted solid.
4) Assembly is equipped with metal sound door, frame, seals, door bottom, threshold, Gravity Glide cam - lift hinges and crated for shipment.
5) Door Thickness is 1 3/4". Door weight is 11.9 pounds per square foot. Be aware that the frame must be securely tied to the framing from the sub floor to the structure above. Doubled wood studs or 16 Ga. steel studs are strongly recommended to support the weight of the assembly.
6) Doors are to be formed of no less than 16 Gauge steel face sheets continuously welded at the vertical edges and finished smooth.
7) Frames are to be formed of no less than 14 Gauge sheet steel with corners mitered, continuously welded and ground smooth.
8) Doors and frames are formed from commercial quality zinc coated steel conforming to ASTM A653 & ASTM A924. Acoustical core and internal construction are manufacturer's proprietary standards as tested in accordance with ASTM E90, E413, E1332, & E2235.
9) Frames must be fully grouted.
10) Please be aware industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, etc. may result in a difference of 3db-5db sound loss in a field test vs. lab results.