1-3/4" Sound-Tech Xpress

STC32 thru STC47 (Fire Rated or Non-Fire Rated Flush Pairs)

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 and threshold as required for rating.

Optional surface mounted closer reinforcement

The required core will be provided to achieve the rating needed.
Appropriate accoustical seal sets are provided with each STC rated assembly.

Suggested uses:
Conference rooms, clinical offices, courtrooms, legal offices, broadcast studios, boardrooms, libraries, music rooms, and performing arts studios, hotel/motel, and military barracks.

Refer to www.cecodoor.com for installation instructions.

Double swing doors (elevation)

Revolutionary sound absorption core

STX 32-47 shown

Pemko seal set 3

2009APK or 2009DPK
TECH-DATA

Sound-Tech Xpress Door System

OPTIONAL SURFACE MOUNTED CLOSER REINFORCEMENT

(3) SPACES @ 26°
(3) SPACES @ 25.33°
(2) SPACES @ 34°
(2) SPACES @ 33°
(2) SPACES @ 31°

9"

DOUBLE SWING

3/8" UNDERCUT

ACTUAL LEAF WIDTH

ACTUAL LEAF WIDTH

DOOR OPENING WIDTH

4'-0" THRU 8'-0"

HORIZONTAL SECTION

TYPICAL PROFILE

Optional Profile

2" + 1/4"
HEAD optional

5/8"

4-1/8" Thru 14"
(Single Rabbet)

5-3/4" Thru 14"
(Double Rabbet)

SOME COMMON MASONARY APPLICATIONS SHOWN BELOW

STC40 & ABOVE REQUIRE GROUT.

GROUT

CAULK BETWEEN FRAME AND WALL

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.

(Convolution: 1" = 25.4 mm, e.g., 1-3/4" = 44.45 mm)
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Sound-Tech Xpress Door Systems

MASTERY "T"
ANCHOR

Snap-in type
(with floor anchor)

(ANCHOR DESIGN MAY VARY DEPENDING ON DEPTH & PROFILE)

WIRE MASONRY
ANCHOR

7 ga. galv. steel
Snap-in type

EXISTING OPENING
ANCHOR

EO

SU
EO/ST: 4" thru 6-3/4" depth
PROFILE
EO/ST: 6-7/8" thru 8-3/4" depth

SQ
EO/ST: 5-1/8" thru 6-3/4" depth
PROFILE
EO/ST: 6-7/8" thru 8-3/4" depth

DOOR CONSTRUCTION
TOP AND BOTTOM

THRESHOLD

LOCK
PREPARATIONS

CYLINDRICAL
ANSI A115.2
BACKSET
2-3/4" (STD)*
3-3/4" (OPT)

LOCK EDGE IS BEVELED
1/8" in 2"

HINGE
PREPARATION

HINGE PREP IS HANDED

7 GAGE REINFORCEMENT

4-1/2" OR 5"
REGULAR OR HEAVY
WEIGHT HINGES
ANSI A156.7

NOTE: EITHER OF THE LOCK
REINFORCEMENTS/GUARDS SHOWN MAY
BE INSTALLED WITH
ANY MORTISE LOCK
PREPARATION.

(LMO)

Experience a safer
and more open world

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STANDARD SIZES

<table>
<thead>
<tr>
<th>WIDTH</th>
<th>HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOUBLE</td>
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<td>6&quot;-8&quot;</td>
</tr>
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</tr>
<tr>
<td>7&quot;-0&quot;</td>
<td>8&quot;-0&quot;</td>
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</tbody>
</table>

ACOUSTICAL FIRE DOORS

LABELING AGENCIES:
- UL
- WARDEN HERSEY

TEST: UL 1058, UL 107C, UL 1784
& NFPA 202
RATING:
- 20 MIN. THRU 3 HRS.
- (STC 32-47) FLUSH PAIRS
- 3/8" x 3/8" MAX.
- DESIGNS: FLUSH ONLY

PRODUCT SPECIFICATIONS:

1-3/4" thick acoustical steel door system shall be as provided by Ceco Door Products, USA. Doors and frames shall conform to the Steel Door Institute guide specification, ANSI A250.8 as applicable.

The doors and frames are commercial quality cold-rolled steel conforming to ASTM A1008 or optional zinc coated steel conforming to ASTM A663 & ASTM A924. Acoustic core and internal construction is manufacturer’s proprietary standard as tested in accordance with ASTM E90, E413, E1332, & E2235 to furnish the STC rating specified. Door systems are in compliance with HMMA 865 & SDI-128 specifications. A physical door label is applied to certify the product and identify the specific rating. The label will be applied to the door only and there will not be a label applied to the frames.

Frames are single or double rabbet profile of continuously welded construction and are available for any masonry and acoustic wall system applications. They are constructed of 16 gauge min. or 14 gauge max. to provide the STC performance specified. Mutes are not allowed in these frames. Assemblies STC rated 40 and above must also be grout filled to achieve the STC rating.

Hardware Provisions: Hinge preparations are handed. The square hinge edges are mortised for 4-1/2" or 5" high, standard or heavy weight hinges (specify which). The door lock edge has a standard bevel and is prepared for ANSI A115.2 cylindrical x surface or flush bolts. ANSI A115.1 mortise lock x surface or flush bolts or ANSI A156.3 mortise exit device x surface vertical rod or surface or flush bolts. Electric power transfer, mag switch and dead bolt hardware preparations are not allowed.

Paint: Doors and frames shall be provided with one coat of oven-cured neutral color prime paint. Primer coat shall conform to ANSI A250.10. The primer coat is a preparatory base for necessary finish painting. "Colorstyle" finish coat is also available, for the door & 3 sided frame, from a Pantone color selection chart. Optional colorstyle finish is electrostatically applied, oven-cured urethane enamel, and shall confirm to ANSI A250.3. For accurate color selectors ask for a Ceco Colorstyle chart.

Note: Industry standard construction tolerances for squareness of frame installation, plumbness of walls, flatness of floors, flanking, etc. may result in a difference of 3db – 5db sound loss in a field test versus lab test.

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Lock Type</th>
<th>Undercut</th>
<th>Max. Fire Rating</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pairs 32-47</td>
<td>*Cyl or Mortise</td>
<td>3/8&quot;</td>
<td>3 Hr.</td>
<td>Pemko seals: S88, S773, 303AS &amp; 2009_PK Threshold-Set 3</td>
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</tbody>
</table>

* Cylindrical or Mortise lock requires surface or flushbolts with astragal strip.
** Mortise Panic requires Surface Vertical Rod or surface or flushbolts with astragal strip.

OTHER NON-TESTED ASSEMBLIES ARE AVAILABLE. CONTACT FACTORY FOR DETAILS.

Sound-Tech Xpress Door Systems

(Coersion: 1" = 25.4 mm, e.g., 1–3/4" = 44.45 mm)