STC32 thru STC44 (Fire Rated or Non-Fire Rated Pairs with Glass)

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

Revolutionary sound absorption core

Acoustical steel glass kit with Keralite® laminated acoustical glass is factory installed in fire rated doors.

Acoustical steel glass kit with 5/16" tempered laminated acoustical glass is factory installed in non-fire rated doors.

5/16" tempered laminated non-fire rated glass reduces STC rating by 1 point.

Refer to www.cecodoor.com for installation instructions.

Door design
Note: One glass lite per door allowed

Suggested uses:
Conference Rooms, Clinical Offices, Courtrooms, Legal Offices, Broadcast Studios, Boardrooms, Libraries, Music Rooms, and Performing Arts Studios, Hotel/Motel, and Military Barracks.
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.

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

CecoDoors
ASSA ABLOY
Experience a safer and more open world
TECH-DATA

Sound-Tech Xpress Door Systems

MASONRY "T" ANCHOR

(Anchor design may vary depending on depth & profile)

EXISTING OPENING ANCHOR EO

ANCHOR FITS VARIOUS DEPTH FRAMES (SEE BELOW)

SU
PROFILE
EO/S6: 4-3/4" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

SQ
PROFILE
EO/S6: 5-1/8" thru 6-3/4" depth
EO/S8: 6-7/8" thru 8-3/4" depth

WIRE MASONRY ANCHOR

7 GAGE GALV. STEEL

EXISTING OPENING ANCHOR EO/P&S

ANCHOR FITS VARIOUS DEPTHS

DOOR CONSTRUCTION TOP AND BOTTOM

LOCK PREPARATIONS

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

THRESHOLD

LOCK EDGE IS BEVELED
1/8" in 2"

HINGE PREPARATION

HINGE PREP IS HANDED

7 GAGE REINFORCEMENT

LOCK PREPARATION

GOV. 86, ANSI/BHMA A115.1
MORTISE TYPE

(LMO)

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

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

Experience a safer and more open world

BACK TO TOP
**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 A653 & 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 305 & SDI-128 specifications. KERALITE® LAMINATED glass is factory installed in fire rated doors. 5/16" tempered laminated glass is installed in non-fire rated doors. A physical STC door label is applied to certify the product and identify the specific rating. The label will be applied to the door only and 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 156.3 mortise panic 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 conform 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.

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### Sound-Tech Xpress Door Systems

<table>
<thead>
<tr>
<th>STC Rating</th>
<th>Lock Type</th>
<th>Undercut</th>
<th>Max. Fire Rating</th>
<th>Max. Lite Visible Area</th>
<th>Seal Set Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pairs 32-44</td>
<td>*Cyl</td>
<td>3/8&quot;</td>
<td>3 Hr.</td>
<td>100²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-43</td>
<td>*Cyl or Mortise</td>
<td>3/8&quot;</td>
<td>3 Hr.</td>
<td>100²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-42</td>
<td>**Mortise Panic</td>
<td>3/8&quot;</td>
<td>3 Hr.</td>
<td>100²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-41</td>
<td>*Cyl</td>
<td>3/8&quot;</td>
<td>1-1/2 Hr.</td>
<td>288²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-40</td>
<td>*Cyl or Mortise</td>
<td>3/8&quot;</td>
<td>1-1/2 Hr.</td>
<td>288²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-37</td>
<td>*Cyl</td>
<td>3/8&quot;</td>
<td>1-1/2 Hr.</td>
<td>720²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
<tr>
<td>Pairs 32-36</td>
<td>*Cyl or Mortise</td>
<td>3/8&quot;</td>
<td>1-1/2 Hr.</td>
<td>720²&quot;</td>
<td>Pemko seals: S88, S44, S773, 303AS, ACP112 &amp; 2009_PK Threshold-Set 4</td>
</tr>
</tbody>
</table>

**OPTIONAL HARDWARE PREPARATIONS ARE NOT ALLOWED.**

*CYLINDRICAL OR MORTISE LOCK REQUIRES SURFACE OR FLUSHBOLTS WITH ASTRAGAL.

**MORTISE PANIC REQUIRES SURFACE VERTICAL ROD OR SURFACE OR FLUSHBOLTS WITH ASTRAGAL.

**NOTE:** KERALITE® LAMINATED GLASS IS FACTORY INSTALLED IN FIRE RATED DOORS.

**NOTE:** 5/16" TEMPERED LAMINATED NON-FIRERATED GLASS - REDUCE ALL ABOVE STC RATINGS BY 1 POINT.

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

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