

SARGENTS ACOUSTICS



NOISE & VIBRATION CONTROL

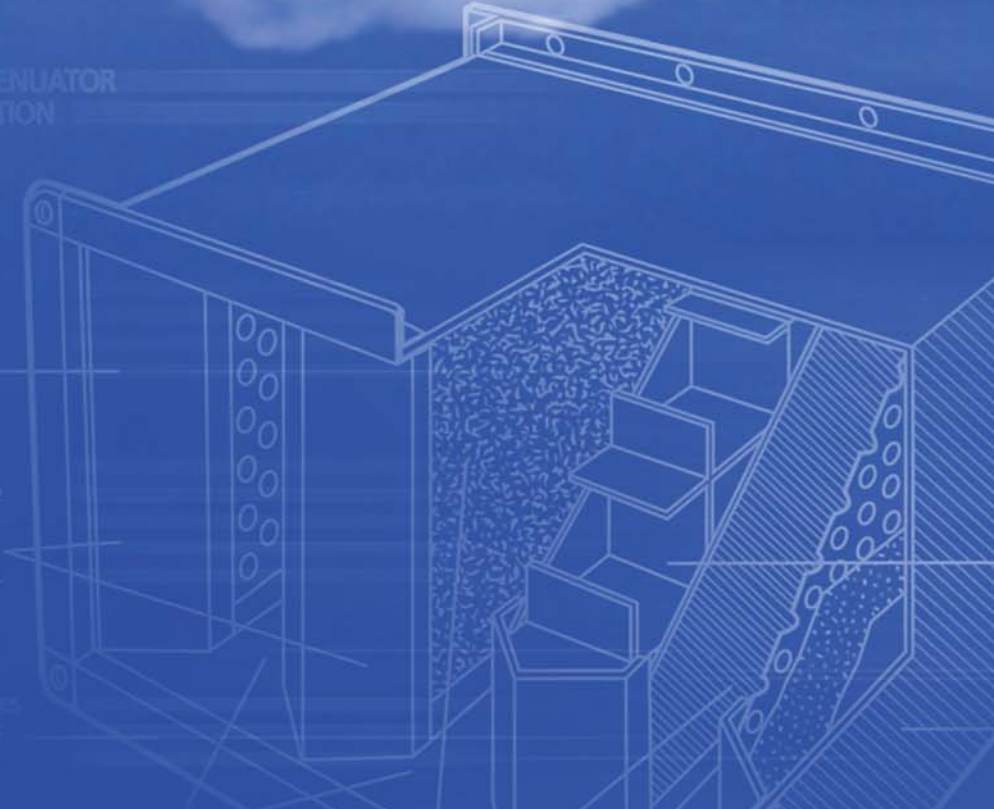


IN LINE ATTENUATOR CONSTRUCTION

Solid side
slabs to
minimise
breakout.

Faired inlet
and discharge
to airways
for minimum
pressure drop.

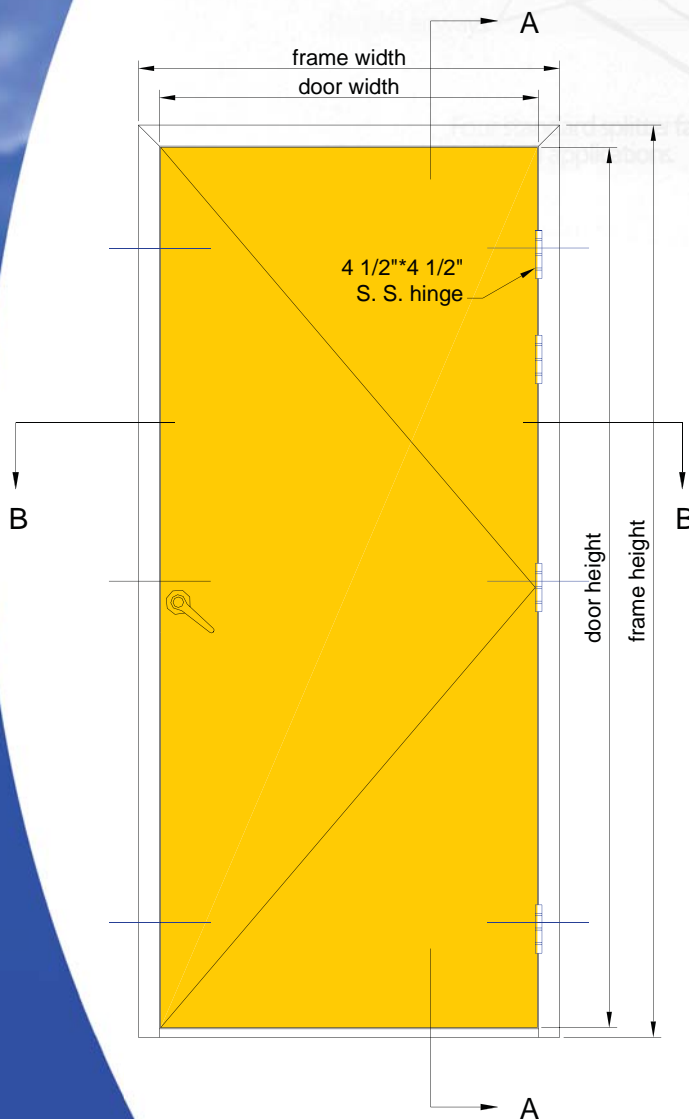
Side-on flanges
or split ends
also available.



ACOUSTIC DOOR

Four standard splitter bearings
suit all applications.

SARGENTS offers the industry's widest selection of acoustic doors. A variety of STC (Sound Transmission Classification) rating are available from 39 to 50. Along with the standard single swing 900 x 2000 doors, we can manufacture oversized, undersized, double doors swinging doors and doors with windows.



Front Elevation

APPLICATION

SARGENTS Sildoor Acoustic Door has been designed to meet the highest demands for pre-painted internal doors for areas where acoustic, fire safety and aesthetic requirements are combined. Typical applications include recording and broadcast studios, conference rooms, theatres, home theatres, plant rooms, private offices, hotel suites, large test cells and educational distance learning classrooms.

DOOR LEAF

Construction

Manufactured in 1.5mm cold-rolled steel, and heavy density acoustic infill.

Finish

Supplied standard with one coat of rust inhibitive prime paint. Other RAL colours are available to order.

FRAME

Construction

Manufactured in 1.5mm cold-rolled steel.

Finish

Supplied standard with one coat of rust inhibitive prime paint. Other RAL colours are available to order.

FIRE RATING

1/2 hr, 1hr, 2hr fire rated doorsets tested to BS 476 Part 22: 1987 are available.

Solid side slabs to minimise breakout.
 Faired inlet and discharge to airways for minimum pressure drop.

VISION PANELS

Vision panels, glazed in clear acoustic safety glass are available.

ACOUSTIC SEALS

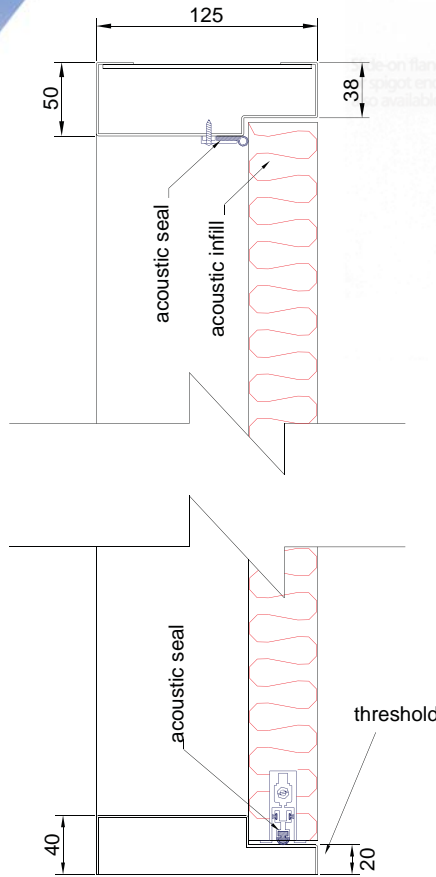
Perimeter seals are integrally fitted in the frames and an automatic lift threshold seal at the base of door leaf.

IRONMONGERY

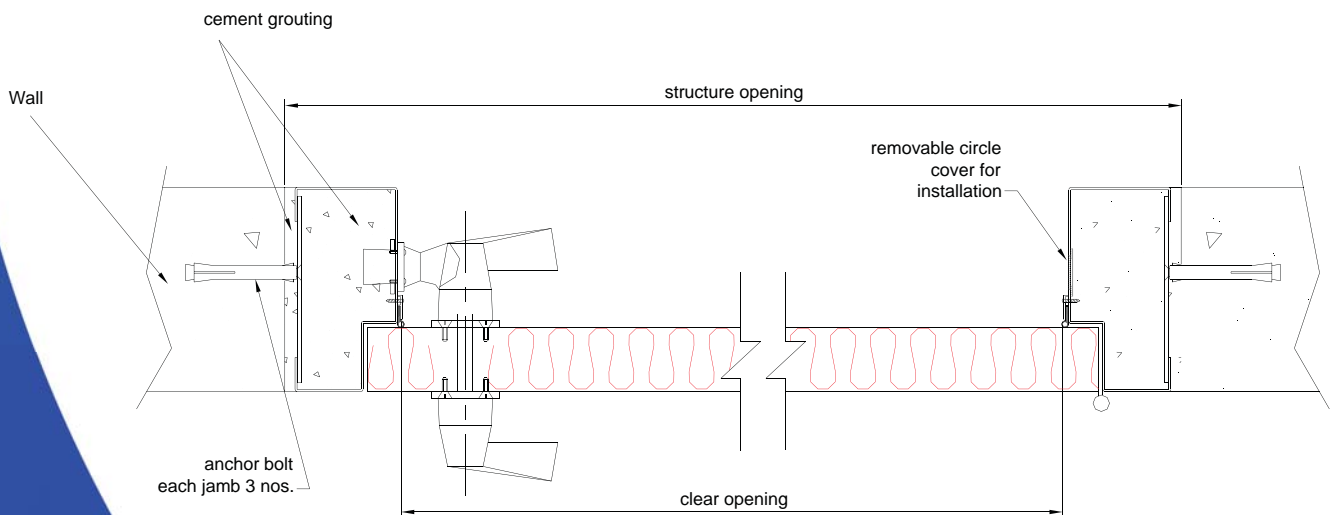
Doorsets are supplied with hinges and seals prefitted. Handles and lockcases etc. are usually supplied and fitted by others to suit the rest of the building.

OPTIONAL COMPONENTS

- Fitted supplementary lock
- Vision panel
- Rubber kick plate
- Stainless steel kick plate
- Door closer, not fitted



Section A - A

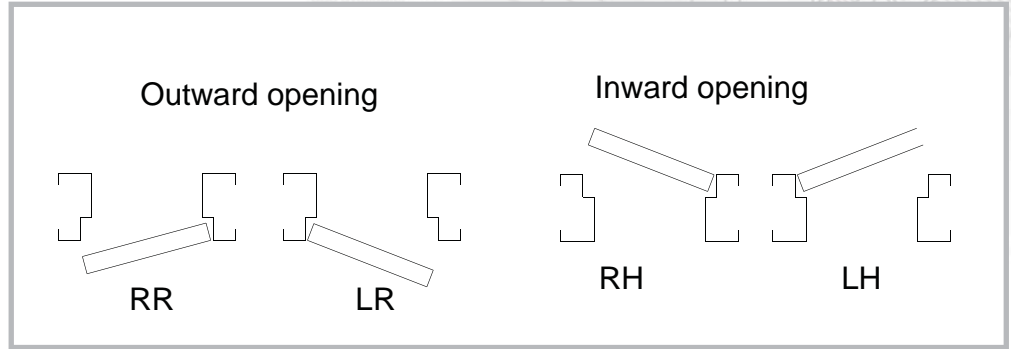


Section B-B

Solid side slabs to minimise breakout.
 Faired inlet and discharge to airways for minimum pressure drop.

DOOR HANDLING

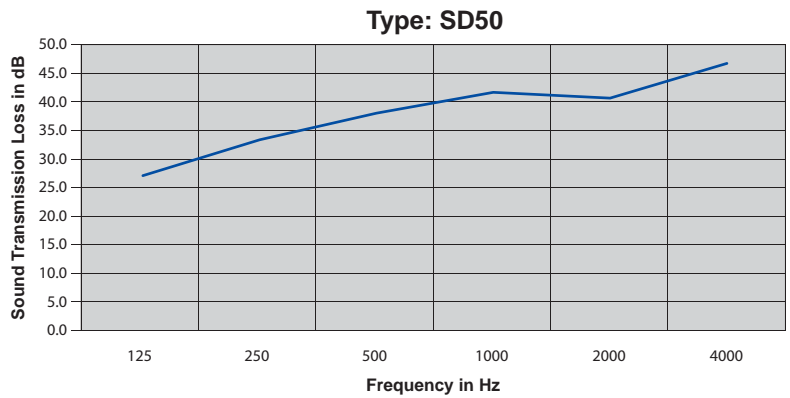
Please specify door handling as shown below.



SOUND REDUCTION

The doors with Sound Transmission Class up to STC 50 tested to ASTM 90 are available.

Frequency (Hz)	TL (dB)
125	27.0
250	33.4
500	38.1
1000	41.6
2000	40.6
4000	46.7
STC	41



Frequency (Hz)	TL (dB)
125	29.1
250	34.0
500	39.3
1000	46.7
2000	48.9
4000	55.1
STC	45

