

Technical Data Series

Tech 403 Sound (STC) Assemblies



MPI
CUSTOM STEEL DOORS & FRAMES

319 North Hills Road, Corbin, Kentucky 40701

www.metalproductsinc.com

606-523-0461

support@metalproductsinc.com

Technical Data

Sound (STC) Assemblies

Tech 403

NGP Seal Set #N3

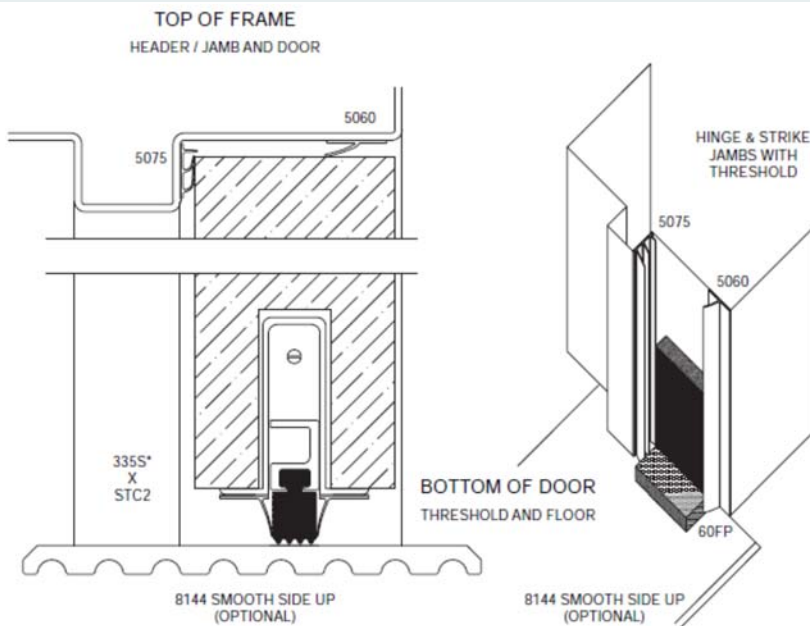
- Standards**
- ASTM E90-09 (2016)** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
 - ASTM E413-16** Classification for Rating Sound Insulation
 - ASTM E1332-16** Standard Classification for Rating Outdoor-Indoor Sound Attenuation
 - ASTM E2235-04 (2012)** Standard Test Method for Determination of Decay Rates for

Seal Package

- NGP #5075** Thermo-Plastic Elastomer Gasketing (header and jambs)
- NGP #5060** Silicone Fin Seal (header and jambs)
- NGP #335S x STC2** Automatic Door Bottom (Mortised)
- NGP #60FP** Acoustical Foam Corner Pad (bottom corner of frame/floor)
- NGP #8144S** Threshold (Optional) (floor)

**NGP = National Guard Products, Inc.*

STC 26	18 Gauge (0.042 min) Polystyrene Core Door 4'-0" x 8'-0" Tested Size	 
STC 29	16 Gauge (0.053 min) Polystyrene Core Door 4'-0" x 8'-0" Tested Size	 
STC 30	18 Gauge (0.053 min) Polyurethane Core Door 3'-0" x 7'-0" Tested Size	
STC 41	18 Gauge (0.042 min) Steel Stiffened Core Door 3'-0" x 7'-0" Tested Size	 
STC 42	16 Gauge (0.053 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
STC 45	14 Gauge (0.067 min) Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 
STC 42	18 Gauge (0.042 min) Special Construction Steel Stiffened Core Door 3'-0" x 7'-0" Tested Size	 
STC 45	16 Gauge (0.053 min) Special Construction Steel Stiffened Core Door 4'-0" x 8'-0" Tested Size	 



*For best acoustic results a 1/4" drop is recommended, 3/8" drop maximum



No recorded sound loss up to STC 45
STC ratings based on testing and evaluations.
Testing and data collection by Intertek Testing Services