

# SUBMITTAL SHEET

## TORSION-SPRING GEOMETRIES

Project Name \_\_\_\_\_

Specification Section \_\_\_\_\_

Ceiling Type \_\_\_\_\_

**Return Form To Hunter Douglas**  
**E-mail: ceiling.samples@hunterdouglas.com**  
**Fax: 770.806.0214**

**SUBSTRATE:**  .032"  .050"  
**ALUMINUM**  .040"  .063"

**SIZES**  12" x 24"  12" x 96"  24" x 72"  42" x 42"  
 12" x 48"  24" x 24"  24" x 96"  42" x 48"  
 12" x 60"  24" x 48"  30" x 30"  48" x 48"  
 12" x 72"  24" x 60"  30" x 60"  Other \_\_\_\_\_

(Length may be limited by perf selection. Contact Hunter Douglas for details.)

**SHAPE/CONFIGURATION** **Shape**  
 Square/Rectangular  Trapezoidal  
 Triangular  Hexagonal

Contact Hunter Douglas for alternative shapes and to specify configurations.

**COLOR/FINISH**  Cotton White – #0280  Natural – #7163  
 Other # \_\_\_\_\_

**PERFORATION PATTERN**  102  112  185  625  
 103  119  188  Other \_\_\_\_\_  
 106  127  201  Non-Perforated  
 107  132  312  
 111  150  375

**PERF BORDER**  1/4" Standard  Other \_\_\_\_\_

**ACOUSTICAL BACKER**  Black Non-Woven  
 Black Polywrapped Pad  
 None

**ACOUSTICAL** \_\_\_\_\_ (NRC)

**TRIM**  Wall Angle  
 Floating Edgeline Extruded Trim \_\_\_\_\_  
 Other \_\_\_\_\_

**CUT-OUTS**  Square, Size: \_\_\_\_\_  
 Round, Diameter: \_\_\_\_\_

**EXPOSURE**  Interior only

**Shop Drawings required on all Geometries projects.**

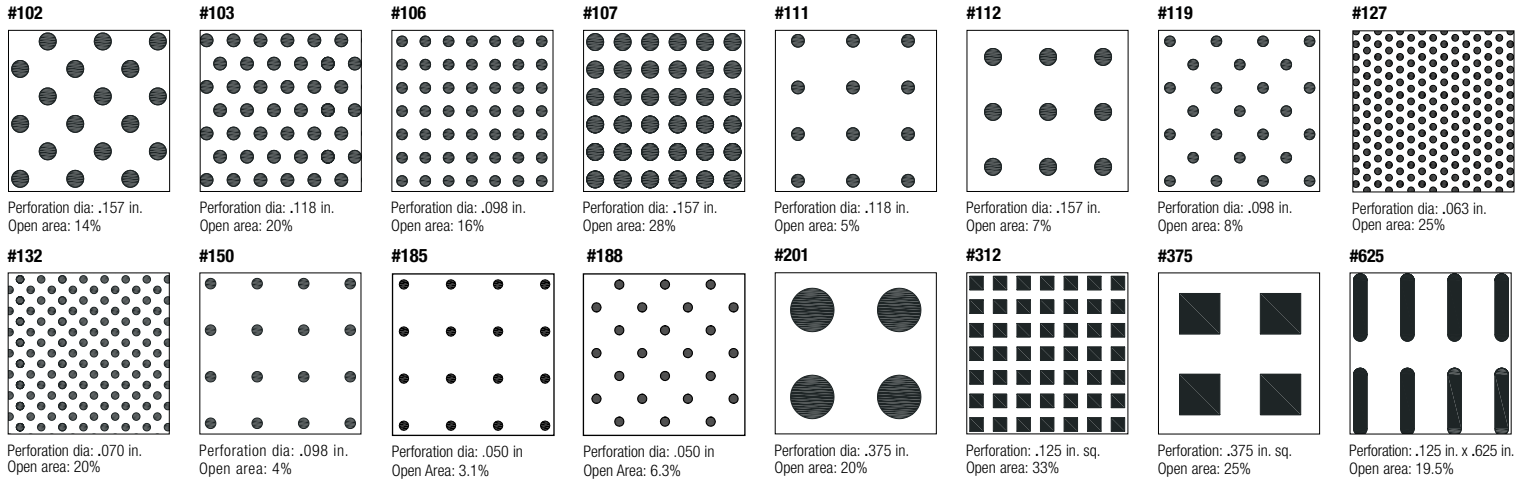
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**HunterDouglas**   
 Architectural

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## PERFORATIONS

Perforated panels improve acoustical performance as well as create aesthetic effects.



## SOUND ABSORPTION (NRC) SUMMARY\*

Sound absorption can be achieved by the addition of backing ceiling panels with acoustical fabric or pad.

Perforation Pattern	% Open Area	Acoustical Infill	NRC
#103	20%	Non-Woven Acoustic .....	0.80
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.90
#106	16%	Non-Woven Acoustic .....	0.75
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.85
#119	8%	Non-Woven Acoustic .....	0.70
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.75
#127	25%	Non-Woven Acoustic .....	0.70
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.95
#132	20%	Non-Woven Acoustic .....	0.75
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.90
#185	3.1%	Non-Woven Acoustic .....	0.65
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.75
#188	6.3%	Non-Woven Acoustic .....	0.75
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.90
#201	19.6%	Non-Woven Acoustic .....	0.75
		Non-Woven Acoustic and 1" – 1.5 pcf Polywrapped Fiberglass .....	0.75

\* Acoustical tests performed in accordance with ASTM C423 and ASTM E795, in a type E400 mounting. Test reports available upon request.

## PHYSICAL DATA

**Substrate:** Aluminum

**Warranty:** 1 year

**Seismic rating:** Zones A,B,C,D,E,F

**Fire rating:** Class A Fire Rated per ASTM E84

– Painted or anodized metal: Flame spread: ≤ 25, Smoke ≤ 50

– Film on metal: Flame spread: ≤ 25, Smoke ≤ 50

**Weight:** Varies 1.0 – 1.5 lbs./sq.ft.

**Wind load:** N/A

**Recycled content:** Up to 85%

**Light reflectance (LR) Coefficient per ASTM E1264 & ASTM E1477:**

– Cotton White: LR = 0.81