Rockfon® Spanair® Torsion Spring

Features & Benefits

- Concealed system allows for downward accessibility of panels without disturbing panel alignment
- Standard sizes for Torsion Spring are 2' x 2', 2' x 4', 2' x 6' and 2' x 8'
- Torsion Spring panels are available in Painted, Metallic, Metalwood®, and Woodscenes® finishes, and have options for a wide variety of perforations
- For use in all seismic design categories

Applications

- Airports
- Passenger terminals
- Corridors
- Assembly halls
- Convention centers
- Stadiums

Project – Dannelly Composite Operations and Training Facility's Auditorium
Product – Rockfon® Spanair® Torsion Spring Panels
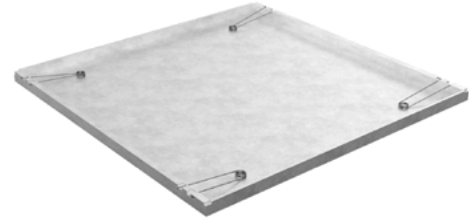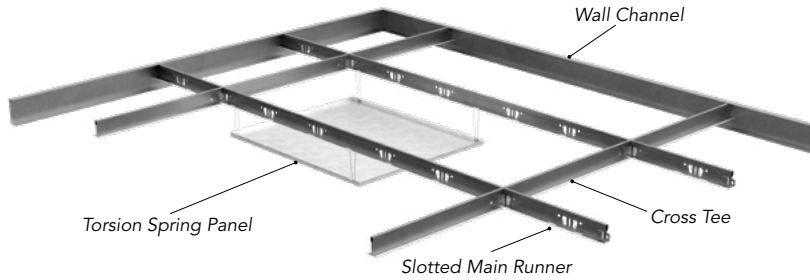
Rockfon® Spanair®
Torsion Spring
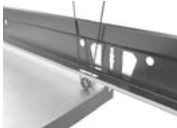
Wall Channel

Torsion Spring Panel

Cross Tee

Slotted Main Runner

Family Number & Name	Edge Type	Dimensions		Perforations (% Open Area)	Material	NRC	Fire Class	Low VOC	Recycled Content
		Width (w)	Length(l)						
252589:SPAN: Spanair® Metal Panel	**STSP:** Torsion Spring Panel Interior 1" Deep Exterior 1-1/2" Deep	24"	**(w) x 24:** 24" **(w) x 48:** 48" **(w) x 72:** 72" **(w) x 96:** 96"	Standard **SOLID:** 0% **D:** 16.2% **E:** 20.8% **J:** 58.2% **Q:** 70% **R:** 11.1% **V:** 4.9% **AA:** 2.5% Premium see footnote* Custom **CUST:** **	**.40AL:** 0.040" Aluminum	up to 0.90***	A	✓	up to 85%

Product Code Example:

252589:SPAN:STSP:24x48:.40AL:V:44:Y

Family Number & Name: *252589 Spanair® Metal Panel*

Size

Perforation

Acoutex: *Yes or No*

| 252589:SPAN: | STSP: | 24x48: | .40AL: | V: | 44: | Y |

Edge Type: *Torsion Spring*

Material: *0.040" Aluminum*

Color: *Satin Silver*
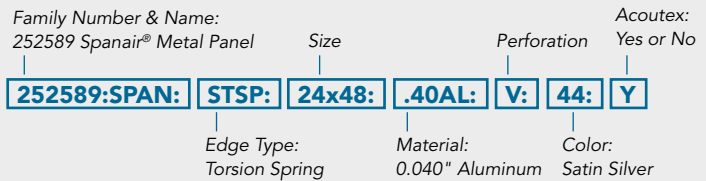
Rockfon® Spanair® Torsion Spring Panels are approved for use in all Seismic Design Categories.

For exterior installations, use 2' x 2', 2' x 4' or 2' x 6' non-perforated panels. Special installation details will apply.

Custom panel sizes available – Contact Rockfon® for information

* See the Rockfon Perforations Brochure for graphic representations of the perforations listed and the complete offering of Premium Perforations available.

** For designer specified Perforation, contact Rockfon Technical Services at 1-800-323-7164 or techservices@rockfon.com.

*** NRC values are dependent on perforation patterns, plenum depth and acoustical backer options. Contact Rockfon Technical Services for more information at 1-800-323-7164 or techservices@rockfon.com.

Note :
- Acoutex™ Backer standard with perforated panel.
- Perforated panel available without Acoutex.
- This system is not approved for exterior use.
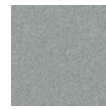
Spanair® Color Chart

Standard Colors:

| 01 White | 08 Black | 44 Satin Silver | 888 Winchester Grey |

Premium Colors:

| Color Chart | RAL COLOURS | Custom (Color Match) |

Metallic Colors:

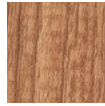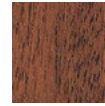| 16 Brasscoat Anodized | 504 Satin Silver Anodized | 14 Chromecoat Anodized |

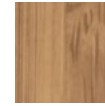**Metalwood® Woodgrain Finishes◻:**

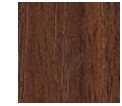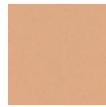| 650R Maple** | 651R Cherry** | 652R Pumpkin Maple** | 653R Oak** | 654R Karri** | 655R Bamboo** | 656R Walnut** |

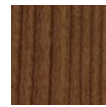| 401 Maple* | 402 Oak* | 403 Cherry* | 404 Pumpkin Maple* | 405 Karri* | 406 Walnut* |

Woodscenes® Painted Finishes†:
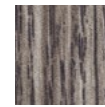
| 800 Lazy Maple | 801 Aged Teak | 803 Burnished Cherry | 804 Sleek Cherry | 805 Weathered Oak | 806 Barnwood Grey |

* *Coordinating solid color to match Metalwood Woodgrain Finishes.*

** *Metalwood Woodgrain Finishes unavailable on Infinity® products; use coordinating solid finish. See footnote*.*

◻ *Metalwood Woodgrain Finishes are a 0.008" vinyl laminate that replicate real wood; variations in color and pattern will occur.*
For final panel thickness information contact Rockfon Technical Services at 1-800-323-7164 or techservices@rockfon.com. For interior use only.

† *Woodscenes Woodgrain Painted Finishes are a decorative powder coat finish that replicate real wood; variations in color and pattern will occur.*

Note:
- Metalwood Woodgrain Finishes and Woodscenes Woodgrain Painted Finishes are applied parallel to the length of the panel.
- See rockfon.com for more information on color options.

Colors shown are reproduced as close as possible to actual product color within the limitations of printing technology. Color chips are available upon request and should be reviewed before making a final selection. Variations in color matches of system components to ceiling panels can result from slight differences in texture, room lighting, painting process and subjectivity of observers.
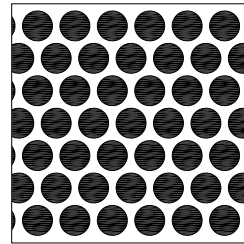
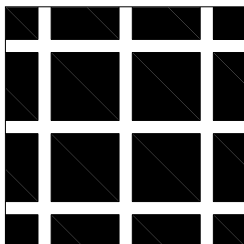# Rockfon® Spanair® Torsion Spring Panel System

Standard Perforation Options
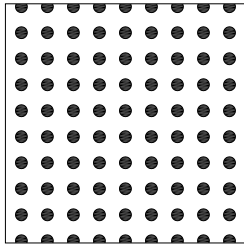
D
98R216L

0.098" Diameter Holes

0.216" Straight Centers
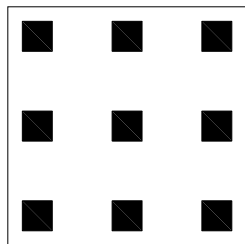
16.2% Open Area
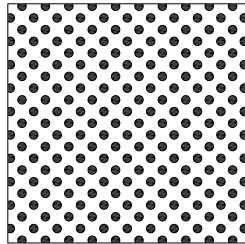
E
71R138D

0.071" Diameter Holes

0.138" Diagonal Centers

20.8% Open Area

J
250R312S

0.25" Diameter Holes

0.312" Staggered Centers

58.2% Open Area

Q
562S672L

0.5625" Square Holes

0.672" Straight Centers

70% Open Area

R
250S750L

0.25" Square Holes

0.75" Straight Centers

11.1% Open Area
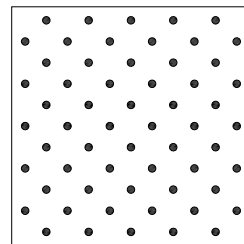
V
62R250D

0.0625" Diameter Holes

0.25" Diagonal Centers

4.9% Open Area
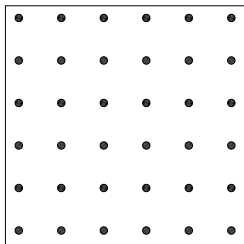
AA
62R354L

0.0625" Diameter Holes

0.354" Straight Centers

2.5% Open Area

See the Rockfon Perforations Brochure for graphic representations of the perforations listed and the complete offering of Premium Perforations available.

Acoustical Performance

Spanair® Torsion Spring Panels	Torsion Spring Concealed Panels
NRC - Perforated with Acoutex™ Backer	0.70
NRC - Perforated with 1-1/2" Acoustical Pad	0.90

Rockfon® Spanair® Torsion Spring Panel System

Suspension Components

Wall Channel
Torsion Spring Panel
Cross Tee
Slotted Main Runner

Main Carriers 12'

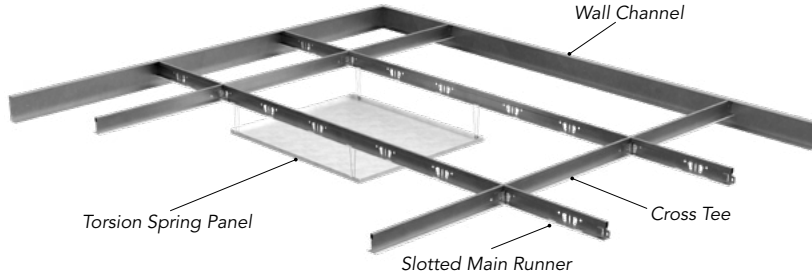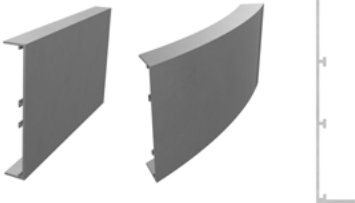| Detail	Description	Catalog Number	Rockfon Part Number	Length	Height
	Main Runners				
	HD Main runner 12' 8" O.C cross tee slots	10.00.400.000H	249388	12'	1-1/2"
	HD Main runner 12' 6" O.C cross tee slots	10.00.421.000H	258223	12'	1-1/2"
	HD Main runner 12' 8" O.C cross tee slots (Exteriors - UL 696)	10.00.420.UL	258348	12'	1-1/2"
	HD Main Runner - 12' No Panel Slots* (For use with slotted cross tees)	10.00.400.000H	250252	12'	1-1/2"
	Slotted Cross Tee				
	4' slotted cross tee for panel installation	10.00.424.000H	249389	4'	1-1/2"
	Standard Cross Tees				
	Cross tee - 2'	10.00.412.001	250253	2'	1-1/2"
	Cross tee - 2' for UL 696 exterior installation	10.00.412.UL	258350	2'	1-1/2"
	Cross tee - 3'	10.00.413.001	258633	3'	1-1/2"
	Cross tee - 4'	10.00.414.001	250259	4'	1-1/2"
	Cross tee - 5'	10.00.415.001	250255	5'	1-1/2"
	Cross tee - 6'	10.00.416.001	250256	6'	1-1/2"
	Cross tee - 7'	10.00.417.001	250257	7'	1-1/2"
	Cross tee - 8'	10.00.418.001	250258	8'	1-1/2"

Rockfon® Spanair® Torsion Spring Panel System

Perimeter Components

Detail	Description	Catalog Number	Length	Dimensions
Wall Channel				
	Spanair Wall Channel 10' for 1" deep panels	60.00.008.xxx	10'	15/16" x 2-1/2" x 15/16"
	Spanair Wall Channel 10' for 1.5" deep panels	60.00.005.xxx	10'	2" x 1-1/2" x 1-1/2"
Infinity™ Perimeter Trim				
	Engineered Straight	252565 INFE:STD	12' Max	Height 6", 8" 10" or 12" length based on project requirements
	Engineered Curved	252566 INFC:STD	12' Max	Height 6", 8" 10" or 12" length based on project requirements

Wall Angle and Wall Channel available in Standard Painted, Premium Painted, Metallic, Metalwood®, and Woodscenes® finishes.

Metallic Finishes are finished on outside only.

Infinity Perimeter trim available in Standard Painted, Premium Painted and Woodscenes finishes.

See the Infinity Data Sheet for additional information on Infinity Perimeter Trim.

Rockfon® Spanair® Torsion Spring Panel System

Accessories

Hold Down Inserts

Description	Catalog Number	Rockfon Material Number	Length	Material
Hold Down Insert for 2.5" channel - 1" Panels	60.00.033	249638	11"	Aluminum
Hold Down Insert for 2.5" channel - 1" Panels	60.00.034	249679	22"	Aluminum
Hold Down Insert for Exterior UL 696 - 1.5" panels	60.00.041	258344	22"	Aluminum

Acoustical Pads – Black Vinyl Wrapped

Description	Catalog Number	Rockfon Reference Number
2' x 2' - 1" x 1#	58.01.059.008	250505
2' x 4' - 1" x 1#	58.01.061.008	250507
2' x 2' 1.5" x 1#	58.01.064.008	250509
2' x 4'- 1.5" x 1#	58.01.063.008	250508

Other Accessories

Infinity Attachment Clip

448.9xx

Sized per Project

Perimeter Clip

1499.00

#251952

Wire Grid Spacer

60.00.021

#250526
for use with
Acoustical Pad

Seismic Perimeter Clip

1496.00

#250374

Rockfon® Spanair® Torsion Spring Panels

Material

0.040" Aluminum

Fire Performance

Surface burning characteristics:
UL723 (ASTM E84) Flame Spread Index: 0
Smoke Developed Index (UL Labeled): 0

Environment

Up to 85% recycled content
100% locally recyclable

Hygiene

Metal provides no sustenance
to microorganisms

Cleaning

Damp cloth

Warranty

1-Year Limited Product Warranty
See rockfon.com