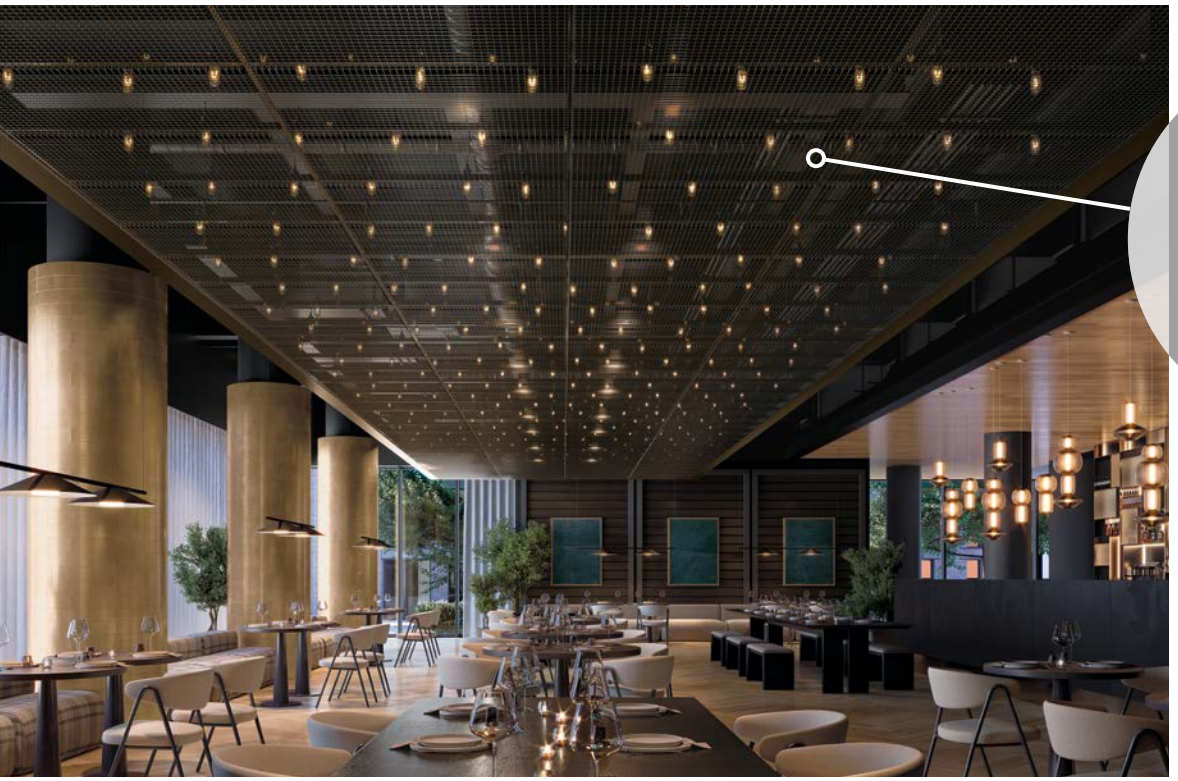
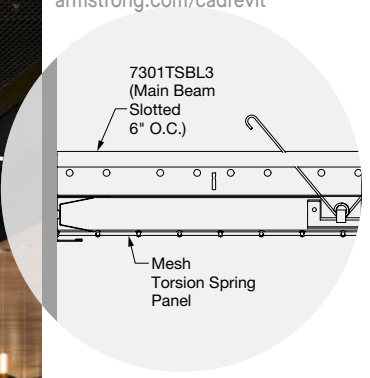
# METALWORKS™ Mesh Torsion Spring



CAD/Revit® drawings at:
armstrong.com/cadrevit




MetalWorks Mesh Torsion Spring 1 Cell woven panels in Shimmer Ore; Móz™ Column Covers Engraving Mason in Light Chestnut;
MetalWorks Linear Synchro 8" panels in La Jolla Oak Metalworks Linear Classics panels 6" in Espresso

**MetalWorks™ Mesh Torsion Spring panels offer an industrial look with minimized grid visibility and 100% swing-down accessibility.**

## KEY SELECTION ATTRIBUTES

- Popular torsion spring installation method now standard in 24" × 24" and 24" × 48" woven mesh
- Slotted grid torsion spring installation minimizes grid visibility by hiding the grid above the panel face
- Woven patterns offer over 75% open area, enabling sprinklers to be installed above the panel face, minimizing disruption of the ceiling plan with MEP
- CleanAssure™ family of products–includes disinfectable panels, suspension systems, and trim
- Black acoustical infill panels provide high sound absorption and help conceal elements in the plenum
- For custom options contact ASQuote@armstrong.com
- This product can be adjusted to comply with Build America, Buy America (BABA) requirements. Modifications to pricing and lead times may apply. Contact your local sales representative for additional information.

## MESH FINISHES

Due to printing limitations, shade may vary from actual product.

### Standard Powder Coated



White (WH) | Silver Grey (SG) | Nickel Chrome (NC) | Gun Metal Grey (MY) | Black (BL) | Bronze (BZ) | Copper (CP)

### Custom Powder Coated



Custom Colors Available

### Textured Metallic Powder-Coated Finishes



Shimmer Brass | Shimmer Gold | Shimmer Ore | Shimmer Rust

NOTE: Available through ASQUOTE

NOTE: Accessories and clips (such as BERC2 clip) can be specified to color match the suspension system.

## COORDINATING SUSPENSION SYSTEM COLORS



Black (BL3)
360° Painted

Mesh patterns leave suspension system visible. When mill-finish steel is not a desired look, request 360-painted grid.

TechLine 877 276-7876
armstrong.com/mesh

Armstrong® World Industries

# METALWORKS™ Mesh Torsion Spring

**RECYCLED CONTENT**
UP TO **85%**

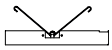
**LEED V5**

| | | | |
|---|---|---|---|
| COMMON MATERIALS FRAMEWORK | | Climate Health | EPD |
| Human Health | Declare Label | Ecosystem Health | EPD |
| | HPD | | |
| | 3rd Party CDPH | Circular Economy | ✓ |
| OCCUPANT EXPERIENCE | | Acoustics | ✓ |

## VISUAL SELECTION

## PERFORMANCE

Dots represent high level of performance.

| | Item No.◆ | Description | Panel Dimensions W × L × H (Inches) | % Open Area | Fire Rating | CleanAssure™ Disinfectable Panels: Fog | Spray | Wipe |
|---|---|---|---|---|---|---|---|---|
| METALWORKS™ Mesh Torsion Spring Interior Panels Square 15/16"  | **5433W24L24D01_ _** | 1Cell | 24 × 24 × 1-7/16" | 76% | Class A | • | • | • |
| | **5433W24L48D01_ _** | 1Cell | 24 × 48 × 1-7/16" | 76% | Class A | • | • | • |
| | **5433W24L24D02_ _** | 2Cell | 24 × 24 × 1-7/16" | 82% | Class A | • | • | • |
| | **5433W24L48D02_ _** | 2Cell | 24 × 48 × 1-7/16" | 82% | Class A | • | • | • |

## ACOUSTICAL INFORMATION

Patterns with similar open area will achieve similar acoustic results.

| % Open Area | Infill Panel Item No. | Dimensions | NRC |
|---|---|---|---|
| **76% & 82% Open Area**  | **5823** | 24" × 24" | 0.65 • |
| | **1713BL** | 24" × 24" | 0.70 • |
| | **2820BK** | 24" × 24" | 0.80 • |
| | **2821BK** | 24" × 48" | 0.80 • |

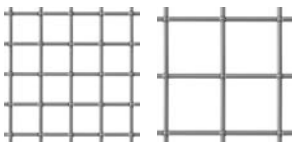
## WOVEN DETAIL



◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 5433W24L24D01 S 9).

## WOVEN WIRE (1:6 scale shown)

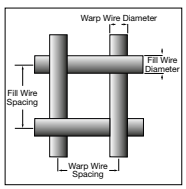
Square Weave



**1Cell (D01)**
Item 5433
Spacing: 0.86" × 0.86"
Wire Diameter: 0.11"
% Open Area: 76%

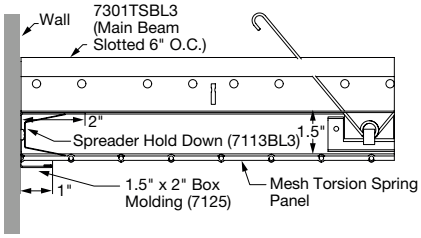
**2Cell (D02)**
Item 5433
Spacing: 1.52" × 1.52"
Wire Diameter: 0.135"
% Open Area: 82%

Wire Key




## INTERIOR WALL PERIMETER DETAILS

**Installation Detail** – Wall Perimeter




## SUSPENSION SYSTEM & ACCESSORIES

| Item No. | Description | Color | Dimensions (Inches) Nominal W × L × H | Pieces/Carton |
|---|---|---|---|---|
| **7301TSBL3** | Prelude® XL® 12' HD Main Beam – Slotted | BL3 | 15/16 × 144 × 1-11/16" | 20 |
| **XL8320BL3** | Prelude XL 2' Cross Tee | BL3 | 15/16 × 24 × 1-11/16" | 60 |
| **7125BL3** | Box Molding | BL3 | 2 × 96 × 1-1/2" | 10 |
| **7113BL3** | Spreader Hold-Down | BL3 | 1 × 10-5/8 × 1" | 40 |

NOTE: Axiom® Classic Trim is recommended for cloud configurations.

## PHYSICAL DATA

**Material**
Cold-rolled steel.

**Surface Finish**
All panels are available in a range of standard and custom, factory-applied, powder-coated finishes.

**Fire Performance**
Class A: ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

All MetalWorks Mesh panels are non-combustible.

As with other architectural features located at the ceiling, Mesh panels may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling the heat from a fire either toward or away from the device.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

**Acoustics Considerations**
NRC-tested using infill panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

**Design Considerations**
Panels align best when installed next to panels of the same size. Reveal between panels can vary.

Black 360° grid minimizes grid visibility. Axiom trim colors coordinate but are not an exact match.

Minimal deflection is expected as panels increase in size. It is possible to see up to 1/2" deflection.

**VOC Emissions**
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017. This standard is the guideline for low emissions in LEED®, WELL Building Standard™, Living Building Challenge® (LBC), CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

**Installation Considerations**
For custom design assistance contact ASQuote@armstrong.com

Use caution and wear appropriate hand and eye protection when installing or cutting these metal panels. Refer to Installation Instructions BPLA-293095 at armstrong.com/metalworks for details and cutting recommendations.

**Cleaning and Disinfecting**
Cleaning and CDC-approved disinfecting options available on armstrong.com/cleaning

**Warranty**
Details at armstrong.com/warranty

**Weight/Panel (Bulk Packed)**
5433W24L24D01 – 6.8 lbs/pc
5433W24L48D01 – 12 lbs/pc
5433W24L24D02 – 5.6 lbs/pc
5433W24L48D02 – 9.8 lbs/pc

**Minimum Order Quantity**
500 SF



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armstrong.com/mesh

BPCS-6695-1026

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