



CEILING | SYSTEMS

METALWORKS™ Tin

Armstrong®



Cast a Reflection

Meld a classic look with modern performance.

Now, you can get an extra microperforated acoustical tin ceiling with a grid concealing 9/16" Tegular edge.

Bring the glamour back.

With 10 standard and 24 premium patterns in six reflective finishes, you can add a little eye candy to your next design.

Drive vintage to the very corners.

Use a variety of decorative filler panels or one of many stylish cornices to complement 2' x 4' Nail-up panels.



METALWORKS™ Tin

Edge Details



9/16" Lay-in (L9)
15/16" Lay-in (L5)
Nail-up (NU – 2' x 4' only)



9/16" Tegular (T9)



15/16" Tegular (T5)

On the cover: MetalWorks Tin 9/16" Tegular item 56003 Extra Microperforated in Copper with Lay-in Filler item 56009 Extra Microperforated in Copper on Suprafine® 9/16" Exposed Tee suspension system in Bronze; Lancaster Dispensing Company, Lancaster, PA



MetalWorks™ Tin Lay-in item 56008, Lay-in Filler item 56009, and Cornice item 56052 in Chrome with Prelude® XL® 15/16" suspension system in Silver Satin; TrustTexas Bank, SSB, Kyle, TX

Perforation Options



B1 (Unperforated)



B3 (Extra Microperforated)
Hole size: 0.7mm (.028")

Key Selection Attributes

- Industry's only:
 - Extra microperforated panels provide acoustics with minimal visual interruption
 - 9/16" Tegular panels reduce visibility of the suspension system
- Antique-type visuals with authentic details
- Variety of standard color and pattern options in 2' x 2' Lay-in and Tegular or 2' x 4' Nail-up sizes
- 2' x 2' 15/16" Lay-in coffer patterns available in three colors
- 18" x 18" Tin infill panels available for Metaphors® Coffers; for details, visit armstrong.com/metaphors
- Wide range of decorative accessories
- Coordinating Armstrong suspension system options
- Additional patterns, fillers and cornices available as premium options; for details, contact Architectural Specialties at 1 877 ARMSTRONG, select options 1-1-4

Typical Applications

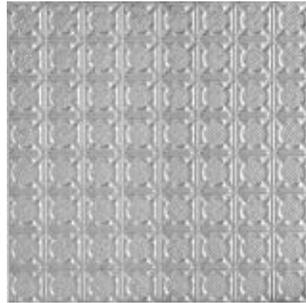
- Retail
- Restaurant
- Hospitality

METALWORKS™ Tin

Panels – Standard * 2' x 2' (Lay-in or Tegular) or 2' x 4' (Nail-up)



Item 56001



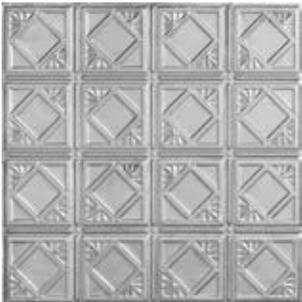
Item 56002



Item 56003



Item 56004



Item 56005



Item 56006



Item 56007



Item 56008

* Only items 56001, 56002, 56003, and 56004 are available with a Tegular edge detail.

NOTE: Panels are directional and must be installed in the same direction.

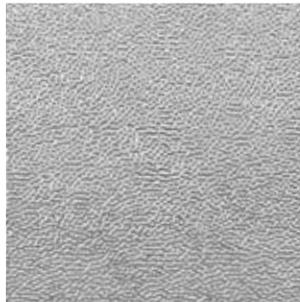
Coffers – Standard 2' x 2' (15/16" Lay-in only)



Item 6661



Item 6662



Item 56009

NOTE: Coffers items only available unperforated in White, Bare Steel, and Lacquered Steel finishes.

Borders/Fillers – Standard 2' x 2' (Lay-in only)

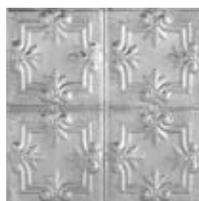
Finishes (Available on standard and premium patterns, coffers, fillers, and cornices)



White (TWH)



Bare Steel (TNA)*



Lacquered Steel (TLS)

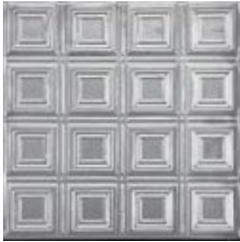


Copper (TCP)

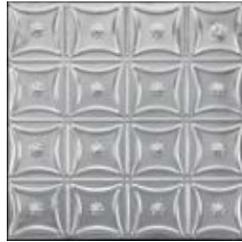
* Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These tiles are clear lacquered on both sides and come with plastic PVC to prevent scratching.

See MetalWorks Tin installation instructions (BPLA-297442) at armstrong.com/tin for more information.

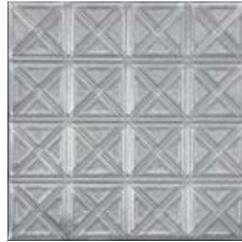
Panels – Premium 2' x 2' (Lay-in) or 2' x 4' (Nail-up only)



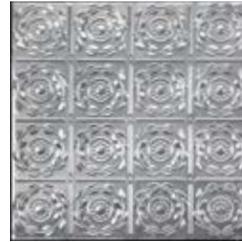
Item 6550



Item 6551



Item 6552



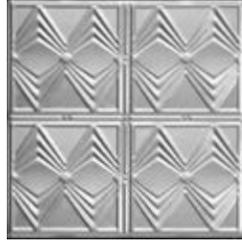
Item 6553



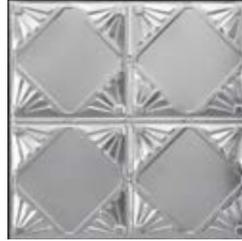
Item 6554



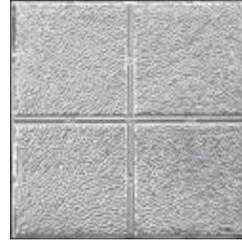
Item 6555



Item 6556



Item 6557



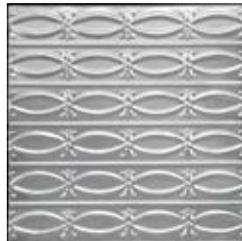
Item 6558



Item 6559



Item 6560



Item 6561



Item 6562



Item 6563



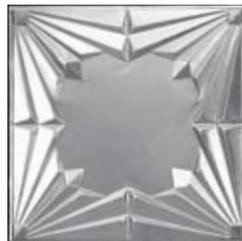
Item 6564



Item 6565



Item 6566



Item 6567



Item 6568



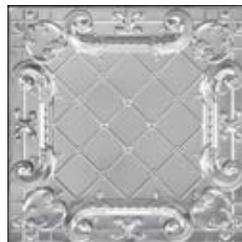
Item 6569



Item 6570



Item 6571



Item 6572



Item 6573

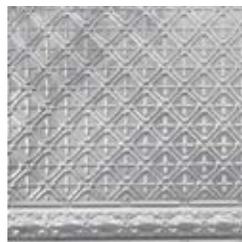
Fillers – Premium 2' x 4' (Nail-up only)



Item 6574
(with 2-1/2" molding)



Item 6575
(with 3" molding)



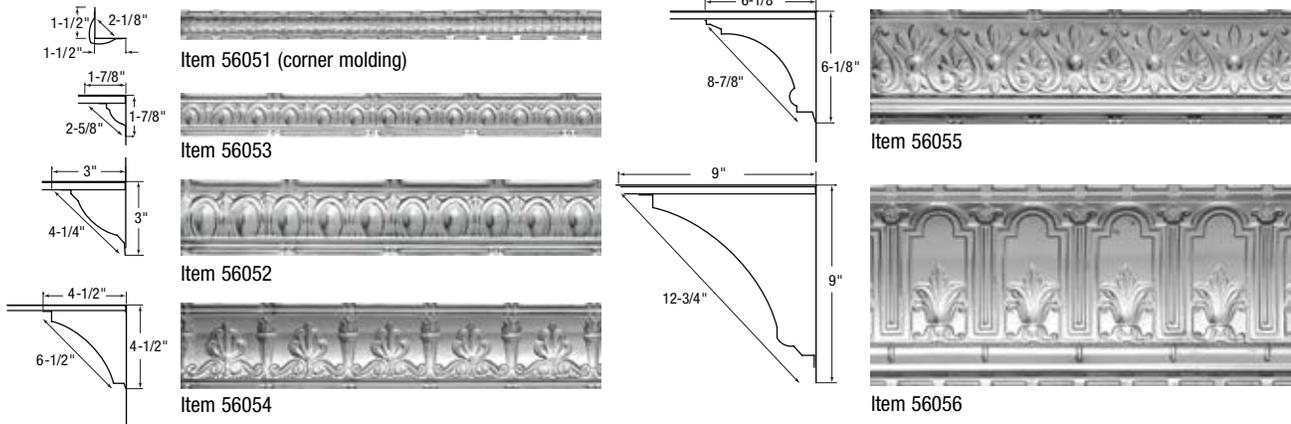
Item 6576
(with 4" molding)



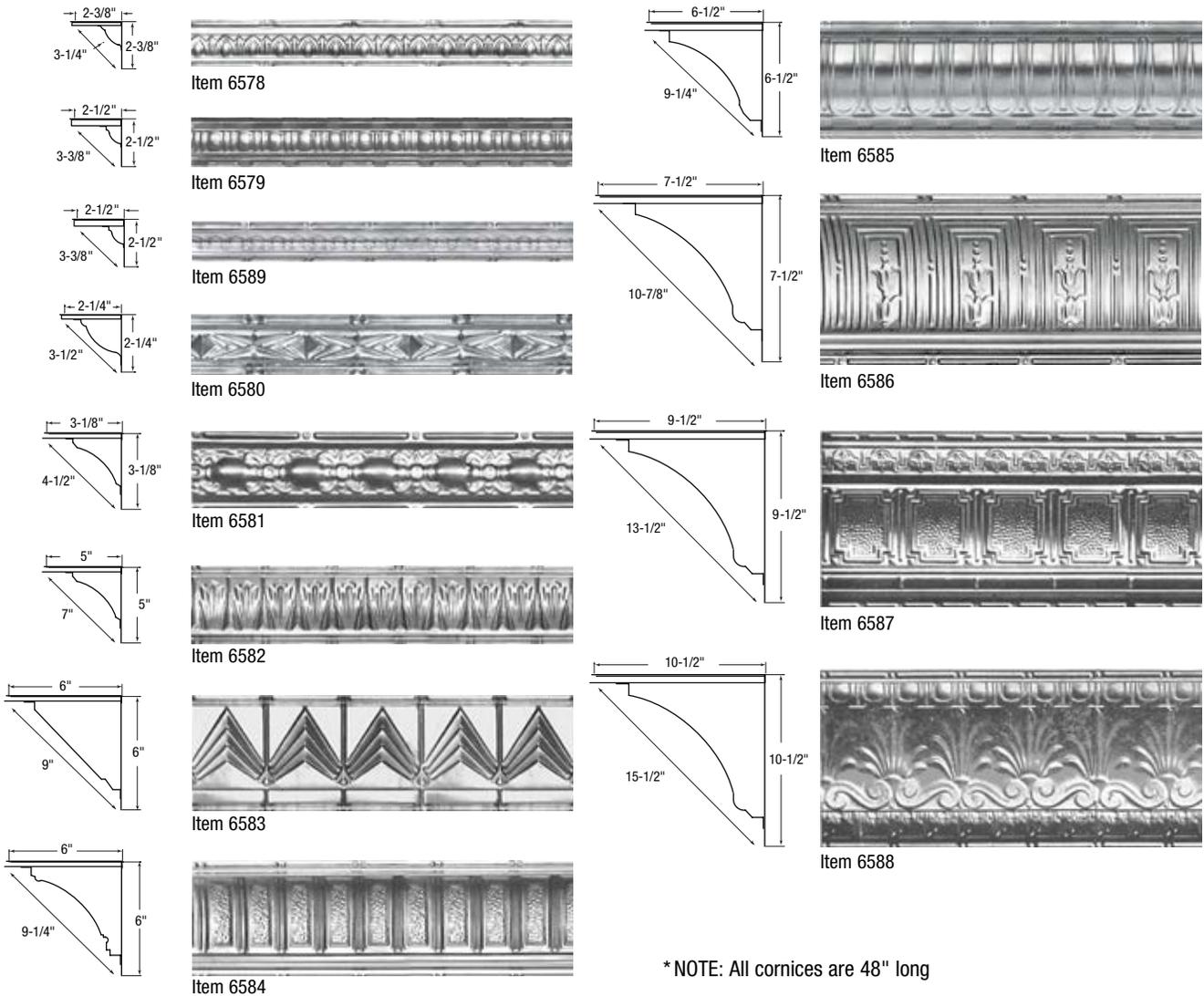
Item 6577

For more information and to order premium patterns, fillers, and cornices, please contact the Architectural Specialties team at 1 877 ARMSTRONG, select options 1-1-4

Cornices – Standard (Nail-up only)*



Cornices – Premium (Nail-up only)*



* NOTE: All cornices are 48" long



Nail-up item 56004 In Copper



Coffers Lay-in Item 5662 In Lacquered Steel



Nail-up item 56005 In Copper

MetalWorks™ Tin 15/16" Tegular item 56007
Extra Microperforated in Lacquered Steel;
The Burger Garage, Long Island City, NY

ideas reality



Before: Mineral Fiber Ceiling

Case Study

Project: The Burger Garage

Location: Long Island City, NY

Product: MetalWorks™ Tin Ceiling

Challenge: When owners Jim and Adam Pileski purchased an old Chinese/Italian restaurant, they knew they wanted to transform it into a high-quality burgers and fries establishment. They also knew they wanted to transform the look of the space from a traditional, but very outdated, ambiance to that of a vintage garage, thereby giving the space a whole new personality while keeping in sync with its location in a semi-industrial area.

Solution: Working with the owners, architect John Artuso completely gutted the space and created an interior design based around a retro garage look, including the use of old service station signs, gas pumps, hanging lamps, old tires, and classic 50's seating.

As part of the new design, he also replaced the existing traditional acoustical ceiling with a MetalWorks Tin ceiling from Armstrong in a lacquered steel finish. MetalWorks Tin ceilings are offered in eight standard decorative patterns, 24 special order patterns, and five standard finishes, including lacquered steel, bare steel, chrome (plated), copper (plated), and white.

"The introduction of the pressed tin look in the ceiling was a perfect complement to the industrial look the owners wanted," Artuso states. "Plus, the look and feel of metal was in line with everything else in the space."

After: MetalWorks Tin 15/16" Tegular item 56007
Extra Microperforated in Lacquered Steel



The 2' x 2' Tegular ceiling panels are installed in a 15/16" suspension system in a coordinating color. The combination of the panel reveal edge and the grid color diminishes the overall visibility of the suspension system.

To enhance acoustics in the space, the panels are extra microperforated. The perforations are only 7mm in diameter, which makes them virtually invisible, but when backed with an acoustical fiberglass infill, the panels achieve a Noise Reduction Coefficient (NRC) of 0.85, meaning they absorb 85% of the sound that strikes them.

METALWORKS™ Tin

smooth texture

Recycled Content: 25-54%

armstrong.com/greengenie

LEED® Credits

| | | | | | |
|--------------------|------------|------------------|-----------------|---------------------|------------------|
| Energy | Waste Mgmt | Recycled Content | Local Materials | Renewable Materials | Daylight & Views |
| | ✓ | ✓ | ✓ | | |
| Location Dependent | | | | | |

LEED for Schools

| | |
|-----------|----------------------|
| Acoustics | Low Emitting or CHPS |
| ✓ | ✓ |

Colors

| | |
|------------------|-----------------------|
| White (TWH) | Lacquered Steel (TLS) |
| Bare Steel (TNA) | Copper (TCP) |

Visual Selection

Performance Selection

Dots represent highest level of performance.

| Edge Profile | Item Number* | Dimensions | Acoustics NRC | Fire Rating | Light Reflect (White Only) | Durable | | |
|---|--------------|--|----------------------|-------------|-------------------------------|-------------|---|---|
| METALWORKS Tin Unperforated | | | | | | | | |
| | 56001B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56002B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56003B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56004B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56005B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56006B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56007B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56008B1_ | 2' x 2' 2' x 4' (Nail-up) | — | Class A | 0.77 | • | • | • |
| | 56009B1_ | 2' x 2' 2' x 4' (Nail-up option custom item 6577) | — | Class A | 0.77 | • | • | • |
| | 6661B1L5_ | 2' x 2' Coffers | — | Class A | 0.77 | • | • | • |
| | 6662B1L5_ | 2' x 2' Coffers | — | Class A | 0.77 | • | • | • |
| METALWORKS Tin Extra Microperforated (with optional fiberglass infill) | | | | | | | | |
| | 56001B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56002B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56003B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56004B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56005B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56006B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56007B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56008B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |
| | 56009B3_ | 2' x 2' | 0.25 0.85* | Class A | 0.77 | • | • | • |

* When specifying or ordering, include the appropriate 2-letter edge detail and 3-letter color suffix with the item number. For example: 56001B1L9TNA is item 56001 Unperforated 9/16" Lay-in Bare Steel.
For Coffers items, include 3-letter color suffix only (TWH, TNA, TLS).

* NRC 0.85 with optional fiberglass infill (#8200100) when using Lay-in or Tegular panels (not applicable for Nail-up)

NOTE: Field painting extra microperforated panels will affect acoustical performance

Item Numbering Key

| Step 1: Choose a Pattern (Item #) | Step 2: Choose a Perforation (2-digit suffix) | Step 3: Choose an Edge detail (2-digit suffix) | Step 4: Choose a Color (3-digit suffix) |
|-----------------------------------|---|---|--|
| <input type="checkbox"/> 56001 | <input type="checkbox"/> B1 = Unperforated | <input type="checkbox"/> L9 = Lay-in 9/16" | <input type="checkbox"/> TWH = White |
| <input type="checkbox"/> 56002 | <input type="checkbox"/> B3 = Extra Microperforated | <input type="checkbox"/> L5 = Lay-in 15/16" | <input type="checkbox"/> TCP = Copper |
| <input type="checkbox"/> 56003 | | <input type="checkbox"/> T9 = Tegular 9/16" | <input type="checkbox"/> TNA = Bare Steel |
| <input type="checkbox"/> 56004 | | <input type="checkbox"/> T5 = Tegular 15/16" | <input type="checkbox"/> TLS = Lacquered Steel |
| <input type="checkbox"/> 56005 | | <input type="checkbox"/> NU = Nail-up (2' x 4') | |
| <input type="checkbox"/> 56006 | | | |
| <input type="checkbox"/> 56007 | | | |
| <input type="checkbox"/> 56008 | | | |
| <input type="checkbox"/> 56009 | | | |

Example: 56001 B1 L9 TWH

METALWORKS™ Tin

smooth texture

Colors

| | |
|------------------|-----------------------|
| White (TWH) | Lacquered Steel (TLS) |
| Bare Steel (TNA) | Copper (TCP) |

Coordinating Suspension System Colors Due to printing limitations, shade may vary from actual product.

MetalWorks Tin Color

| | | | |
|-------------|--------------|---|---|
| White (TWH) | Copper (TCP) | Bare Steel (TNA) Lacquered Steel (TLS) | Bare Steel (TNA) Lacquered Steel (TLS) |
|-------------|--------------|---|---|

Suspension System Color

| | | | |
|---|---|---|---|
| White (WH) | Bronze (BZ) | Silver Satin (SA) | Gun Metal Grey (MY) |
|  |  |  |  |

Accessories

| Item Number | Description | Dimensions | Color | Pieces/Carton* |
|-------------|---|-----------------------|-----------|----------------|
| 56051__*_ | Cornice | 1-1/2" x 2-1/8" x 48" | See above | – |
| 56052__ | Cornice | 3" x 3" x 48" | See above | – |
| 56053__ | Cornice | 1-7/8" x 1-7/8" x 48" | See above | – |
| 56054__ | Cornice | 4-1/2" x 4-1/2" x 48" | See above | – |
| 56055__ | Cornice | 6-1/8" x 6-1/8" x 48" | See above | – |
| 56056__ | Cornice | 9" x 9" x 48" | See above | – |
| 5600__ | Conehead Nails (installs up to 200 SF per carton) | 1-1/4" | See above | – |
| 5600HDC | Hold Down Clips | – | – | 1000 pcs/ctn |
| 8200100 | Fiberglass Infill Panel | 2' x 2' x 1" | Black | 12 |

- * When specifying or ordering, include the appropriate 3-letter color suffix with the item number (56051TWH).
- * Pieces per carton will vary based on order size.

Physical Data

Material

Steel – thickness .010"
For Copper panels:
Aluminum – thickness .020"

Surface Finish

Copper plated
Bare Steel – unfinished
White – factory-applied powder-coated finish
Lacquered Steel – factory-applied lacquered finish

Fire Performance

ASTM E84 surface burning characteristics.
Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Class A per IBC.

ASTM E1264 Classification

Fire Class – Class A
Unperforated steel ceiling panels –
Type XX, Pattern J, Z
Perforated steel ceiling panels –
Type XX, Pattern C, J, Z

Design Consideration

As a result of the strain put on panels when they are embossed, you may find it necessary to use hold down clips (item 5600HDC) to keep the panels flat in the suspension system. Due to the natural characteristics of Lay-in and Tegular edges on this tin product, panels may not lay flush.

MetalWorks Tin panels are produced from steel or aluminum and are designed to emulate an antique-type visual. Periodic “wrinkles” or dents may cause panels to appear not to be flat; these characteristics add to the antique effect and are not considered manufacturing defects.

Bare Steel is unfinished and must be field painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For customers who desire the look of natural steel, the Lacquered Steel finish is recommended. These tiles are clear lacquered on both sides and come with plastic PVC to prevent scratching.

See armstrong.com/tin for more details.

Backloading Recommendation

Contact TechLine for specific information

Weight; Square Feet/Carton

Steel – 0.45 lbs/SF; Coffers – 0.52 lbs/SF
Aluminum – 0.38 lbs/SF

Warranty

One (1) year limited warranty.
Details: armstrong.com/warranty

Recommended Suspension System

9/16" SUPRAFINE® XL®
15/16" PRELUDE® XL



TechLine™ / 1 877 ARMSTRONG
1 877 276 7876
armstrong.com/tin
BPCS-3982-714

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