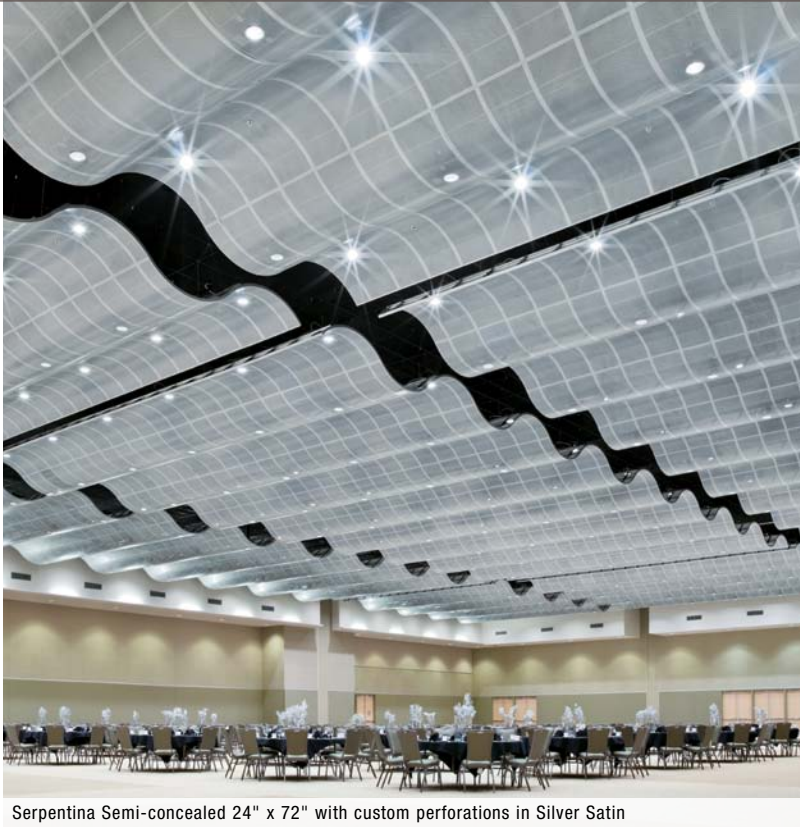


# SERPENTINA® Classic and Semi-Concealed Curved Clouds



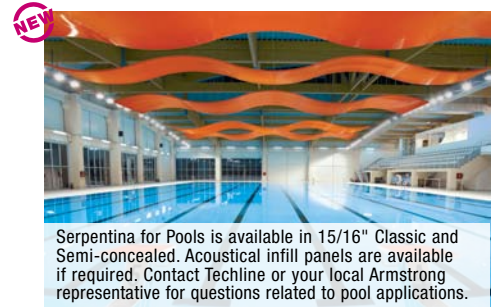
Serpentina Semi-concealed 24" x 72" with custom perforations in Silver Satin

## KEY SELECTION ATTRIBUTES

- More main beam options for maximum design flexibility; available in both "Hills" and "Valleys" with 15/16" or 9/16" suspension system
- XL®2 butt-cut cross tee end detail for a faster installation
- Armstrong standard colors plus four metallic paints; custom RAL colors available
- Extruded aluminum components and hot dipped galvanized steel with stainless steel clips provides maximum corrosion resistance
- 10-Year Limited System Warranty (1-Year Limited System Warranty for Pool Installations)

## TYPICAL APPLICATIONS

- Corridors and lobbies
- Conference rooms
- Reception areas
- Public access areas
- Airports, bus terminals, and train stations



Serpentina for Pools is available in 15/16" Classic and Semi-concealed. Acoustical infill panels are available if required. Contact Techline or your local Armstrong representative for questions related to pool applications.


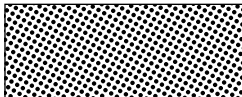
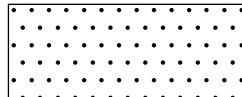

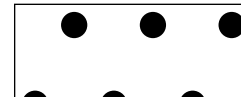
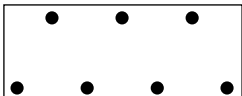
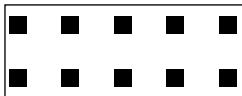

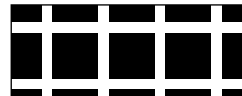
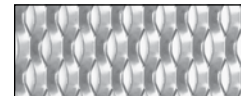
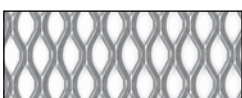
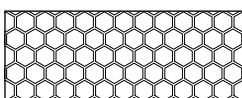
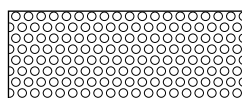
## COLOR SELECTION

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



†Diamond Louver and Diamond Sheer panels are available in Bright Clear Anodized only. NOTE: Custom colors available as special order.

## PERFORATION OPTIONS

 UPA Unperforated	 R042 Perfs: 3/64" Dia. @ 1/8" O.C. Open area: 11% No border	 R062 Perfs: 1/16" Dia. @ 1/4" O.C. Open area: 6% No border	 **R250 Perfs: 1/4" Dia. @ 0.32" O.C. Open area: 58% Nominal 3/4" border	 ***R375 Perfs: 3/8" Dia. @ 1-1/8" O.C. Open area: 9% Nominal 3/4" border
 ***R188 Perfs: 3/16" Dia. @ 1" O.C. Open area: 4% Nominal 3/4" border	 S250 Perfs: 1/4" x 1/4" @ 3/4" O.C. Open area: 11% Nominal 3/4" border	 ***S375 Perfs: 3/8" x 3/8" @ 1-1/8" O.C. Open area: 11% Nominal 3/4" border	 **S500 Perfs: 1/2" x 1/2" @ 5/8" O.C. Open area: 64% Nominal 3/4" border	 1/**Diamond Louver Open area: 22% No border
 1/**Diamond Sheer Open area: 52% No border	 ****H250 Perfs: 1/4" width @ .281 Staggered Open area: 79% Nominal 3/4" border	 **R125 Perfs: 1/8" Dia. @ 3/16" O.C. Open area: 41% Nominal 3/4" border	<p>* Available in Bright Clear Anodized only. Available as standard 24" x 24" lay-in panels.</p> <p>** Laminated acoustical fleece is not available for use in Pool Applications or on Perforated Panels R125, S500, R250, Diamond Sheer, and Diamond Louver due to open cell percentage. For acoustical correction in pool installations specify 24" x 24" poly bags.</p> <p>*** Tech Black, Fine Fissured™ panels laminated to the back of Serpentina perforated metal panels provide a matching visual for flat areas adjacent to or within a Serpentina ceiling. Available for R188, R375, and S375.</p> <p>**** H250 Perforation meets NFPA guidelines for sprinkler systems.</p>	

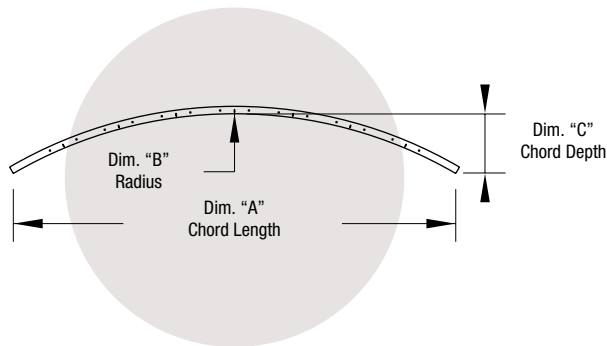
# SERPENTINA® Classic and Semi-concealed Curved Clouds

## SERPENTINA SUSPENSION SYSTEM

### Serpentina Main Beams and Curved Perimeter Trim

Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
10075	7.5	9' 11-15/16"	76' 4-3/4"	0' 2-3/4"
1015	15	9' 11-13/16"	38' 2-3/8"	0' 3-15/16"
10225	22.5	9' 11-1/4"	25' 5-9/16"	0' 5-7/8"
1030	30	9' 10-5/8"	19' 1-3/16"	0' 7-3/16"
10375	37.5	9' 9-7/8"	15' 3-5/16"	0' 9-3/4"
1045	45	9' 7-11/16"	12' 8-13/16"	0 11-3/8"
10525	52.5	9' 7-7/8"	10' 10-15/16"	1' 1-1/2"
1060	60	9' 6-9/16"	9' 6-9/16"	1' 3-5/8"
1075	75	9' 3-5/8"	7' 7-11/16"	1' 7-7/16"
1090	90	9' 0"	6' 4-3/8"	1' 10-11/16"
8075	7.5	7' 11-15/16"	61' 1-3/8"	0' 1-9/16"
815	15	7' 11-3/4"	30' 6-11/16"	0' 3-18"
8225	22.5	7' 11-3/8"	20' 2-7/8"	0' 4-3/4"
830	30	7' 10-7/8"	15' 3-3/8"	0' 6-1/4"
8375	37.5	7' 10-5/16"	12' 2-11/16"	0' 7-3/4"
845	45	7' 9-3/8"	10' 2-1/4"	0' 9-7/16"
8525	52.5	7' 8-11/16"	8' 8-3/4"	0' 10-13/16"
860	60	7' 7-5/16"	7' 7-11/16"	1' 0-7/16"
875	75	7' 5-5/16"	6' 1-5/16"	1' 3-3/16"
890	90	7' 2-7/16"	5' 1-1/8"	1' 6-1/8"
6075	7.5	5' 11-15/16"	45' 5-1/16"	0' 1-3/16"
615	15	5' 11-13/16"	22' 11"	0' 2-3/8"

All dimensions are nominal

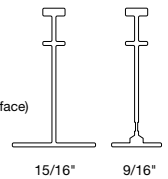
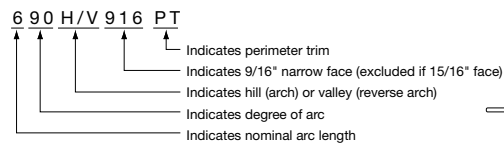


Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
6225	22.5	5' 11-9/16"	15' 3-3/8"	0' 3-9/16"
630	30	5' 10-5/8"	11' 5-1/2"	0' 4-9/16"
6375	37.5	5' 10-3/4"	9' 2"	0' 5-13/16"
645	45	5' 10-1/8"	7' 7-11/16"	0' 7-1/16"
6525	52.5	5' 9-1/2"	6' 6-9/16"	0' 8-1/8"
660	60	5' 4-1/2"	5' 8-3/4"	0' 9-5/16"
675	75	5' 7"	4' 7"	0' 11-3/8"
690	90	5' 4-1/2"	3' 9-13/16"	1' 1-1/16"
4075	7.5	3' 11-15/16"	30' 6-5/8"	0' 0-13/16"
415	15	3' 11-7/8"	15' 3-3/8"	0' 1-9/16"
4225	22.5	3' 11-11/16"	10' 2-1/4"	0' 2-5/16"
430	30	3' 11-3/8"	7' 7-11/16"	0' 3-1/8"
4375	37.5	3' 11-1/8"	6' 1-3/8"	0' 3-7/8"
445	45	3' 10-3/4"	5' 1-1/8"	0' 4-5/8"
4525	52.5	3' 10-5/16"	4' 4-3/8"	0' 4-5/8"
460	60	3' 9-7/8"	3' 9-13/16"	0' 6-1/16"
475	75	3' 8-1/2"	3' 0-5/8"	0' 7-1/2"
490	90	3' 7-1/4"	2' 6-9/16"	0' 8-13/16"

### Perimeter Trim

Item No.	Arc	Dim. "A"	Dim. "B"	Dim. "C"
4STR	N/A	N/A	N/A	N/A
6STR	N/A	N/A	N/A	N/A
8STR	N/A	N/A	N/A	N/A
10STR	N/A	N/A	N/A	N/A

For additional information and accessories, see brochure CS-3960.  
CAD drawings available on [armstrong.com/serpentina](http://armstrong.com/serpentina)



Serpentina main beams are identified by arc length. For example, a 690 hill main beam has a 5' 4-1/2" chord length and will occupy 5' 4-1/2" of ceiling area.

NOTE: 9/16" suspension uses 24" x 24" panels only, and is not available for pool applications.

For help with custom colors, perforations, or sizes, contact Serpentina customer service at 1 800 840 8521.

### PHYSICAL DATA

#### Material

Extruded aluminum curved main beams and hot dipped galvanized steel Prelude® or Suprafine® cross tees Pool applications receive aluminum Prelude cross tees with stainless steel clips.

#### Main Beam Load Test Data

Hanger Spacing (Lbs/LF)  
(Applies to straight 15/16" face sections only)  
42" – 18.66      48" – 10.80

#### Cross Tee/Main Beam Interface

Flush Fit

#### End Detail

Staked-on clip

#### Panel Sizes

24" x 48" and 24" x 72" semi-concealed metal panel options; 24" x 24", 24" x 48", and 24" x 72" lay-in panel options (select panel types perforated and unperforated).

#### Design Considerations

9/16" suspension systems use 24" x 24" panels only. (9/16" suspension systems are not available for pool applications).

#### Seismic Requirements

Refer to ASCE 7-10 for seismic requirements.

#### Acoustical Options

By adding optional poly-bagged fiberglass or laminated fleece backing, you can achieve a greater acoustical performance in your design. No ASTM test exists for curved configurations. See page 101 for infill options.

#### Fire Performance

Metal: Class A