

The logo for KAPHS, featuring a stylized 'K' followed by the letters 'APHS' in a serif font.

MIDDLE EAST

STAINLESS-STEEL WOVEN WIRE MESH

# Architectural Wire Mesh.

*Woven mesh systems for façades, sunshades, ceilings and balustrades.*

# Contents

A complete guide to the KAPHS Architectural Wire Mesh range — concept, applications, finishes, fixing systems, the full 35-pattern library, featured projects and customisation.

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# A precision-engineered architectural surface.

KAPHS Architectural Wire Mesh delivers premium woven mesh façade systems for modern building design — engineered for performance and refined for aesthetics.

Available in 35 woven patterns across stainless steel, aluminium, brass, bronze and copper — for façades, sunshades, interior partitions, ceilings, balustrades and car-park screens.



HAVER & BOECKER



DIE MASCHINENFABRIK

MANUFACTURING PARTNER

**Haver & Boecker — manufacturer of architectural wire mesh.**

KAPHS has been the exclusive Middle East partner of Haver & Boecker since 2006.

# Light, structure and transparency in steel.

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## Engineered woven mesh

KAPHS Architectural Wire Mesh is a high-performance woven metal system, manufactured by Haver & Boecker from high-grade stainless steel and other architectural alloys. Available in 35 weave patterns, the range delivers light diffusion, transparency, ventilation and solar shading while maintaining long-term structural integrity.

Suited to façades, cladding, sunshades, balustrades and refined interior applications, KAPHS mesh systems give architects total design flexibility — combining engineering precision with material elegance.



# 03

# Applications

Where architectural wire mesh performs — façades, sunshades, interiors and more.

# Façades & Cladding

**Modern, high-impact exteriors with dynamic light and shadow.**

Architectural wire mesh is widely used in building façades and cladding systems to create transparent, ventilated exteriors. The woven structure allows natural ventilation and produces dynamic light and shadow effects, enhancing visual identity while reducing solar gain.

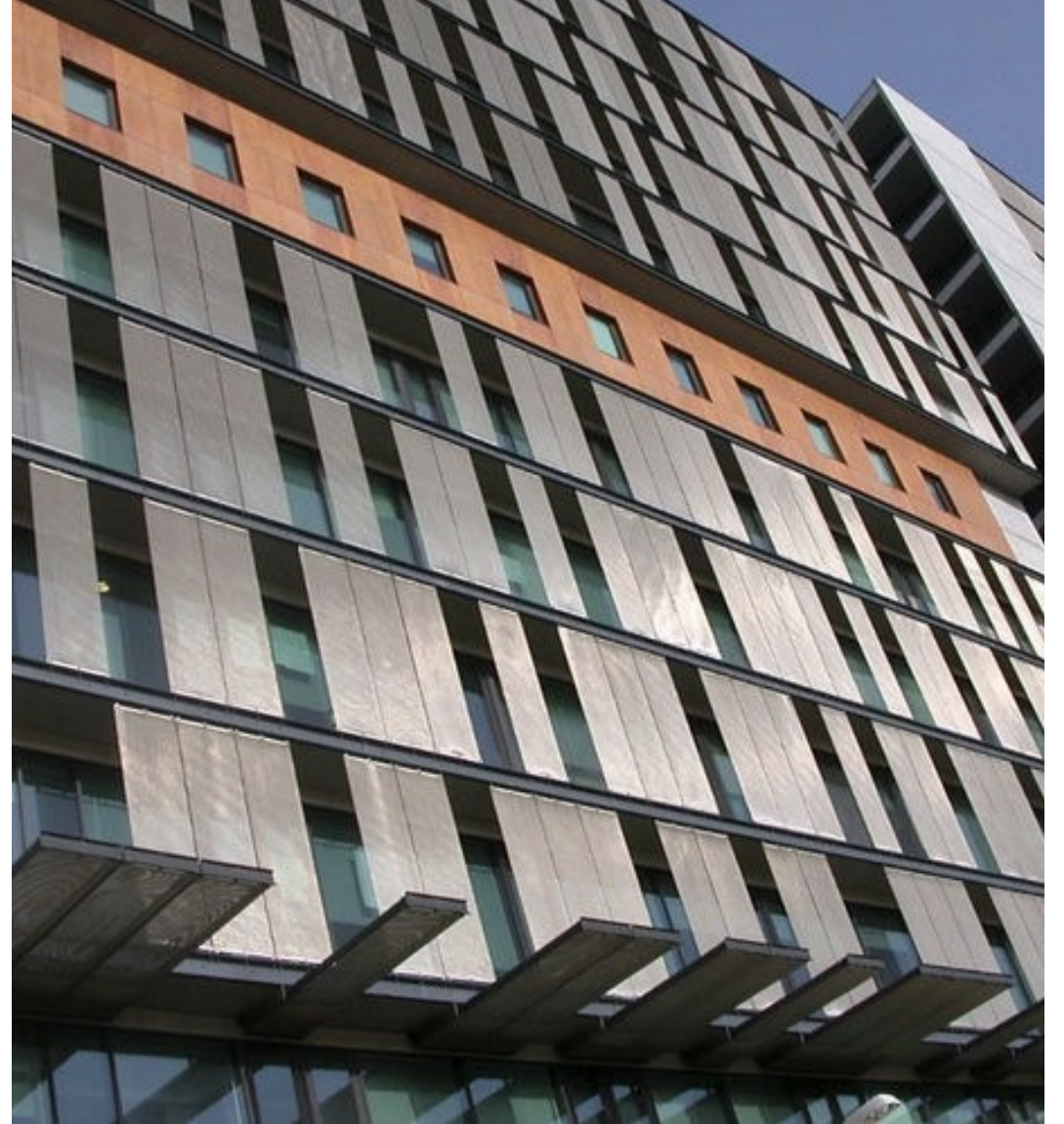


# Sunshades & Brise Soleil

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## Engineered solar shading without sacrificing daylight.

Tensioned mesh panels function as integrated brise soleil systems, regulating sunlight and reducing cooling loads while maintaining outward visibility. Open area and weave geometry are tuned per orientation to balance daylight and heat gain.



# Interior Partitions & Ceilings

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**Refined visual texture, light-permeable structure.**

Inside the building envelope, architectural mesh is specified for partitions, ceilings, wall cladding and decorative features. It delivers a level of transparency and material texture that is hard to achieve with conventional finishes.

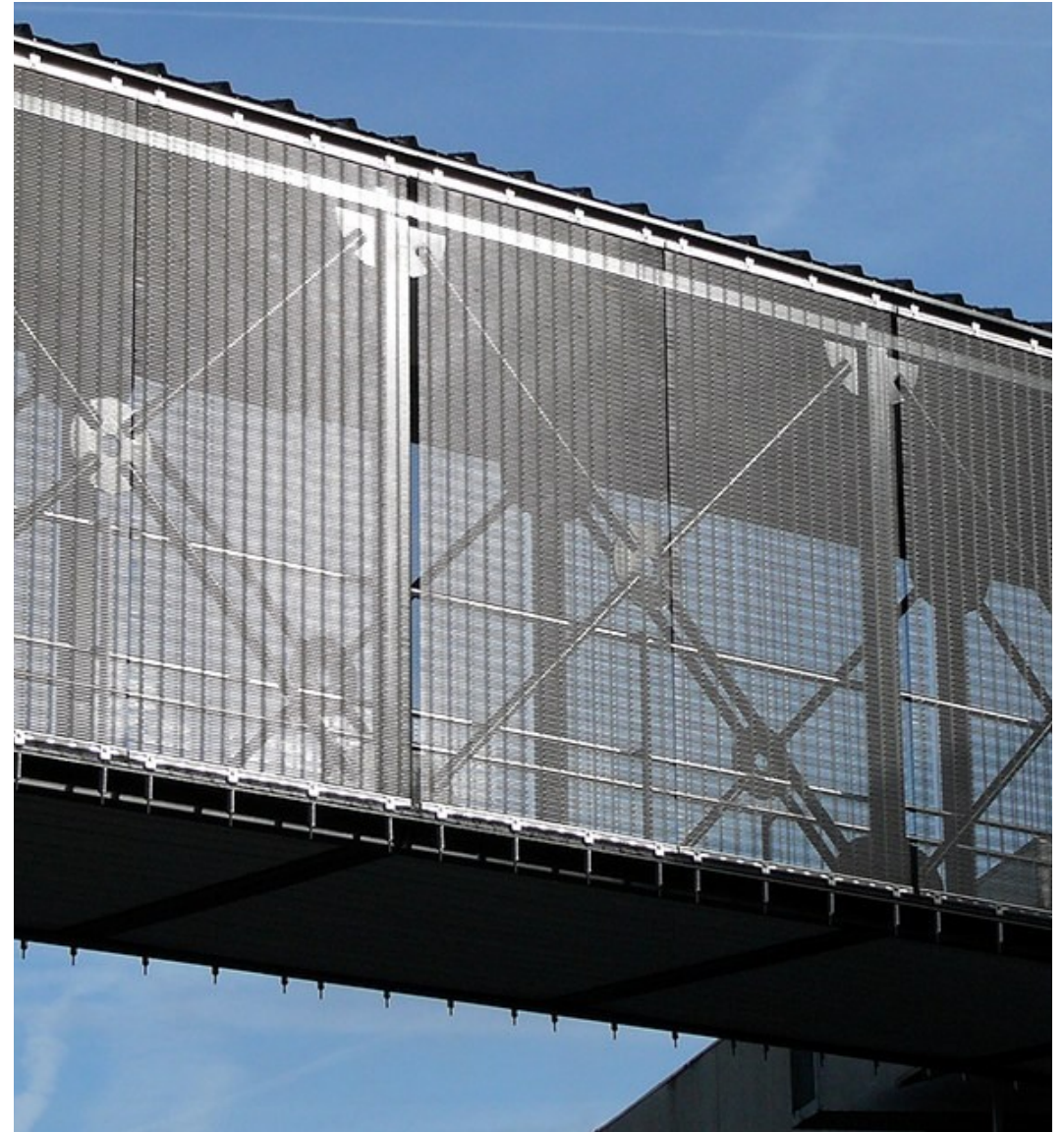


# Balustrades & Infill Panels

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## Code-compliant infill with visual openness.

Stainless steel mesh panels are used as infill in balustrades, stair guards, and atrium edges. The woven cable construction meets infill requirements without obstructing sightlines, while resisting impact and corrosion.



# Parking & Security Screens

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## Ventilation, code compliance, durable enclosure.

For multi-storey car parks, mesh façade panels provide the open-area ratio required by ventilation codes while elevating exterior architecture. The same mesh systems serve as durable, semi-transparent security and equipment screens.



# 04

# Finishes

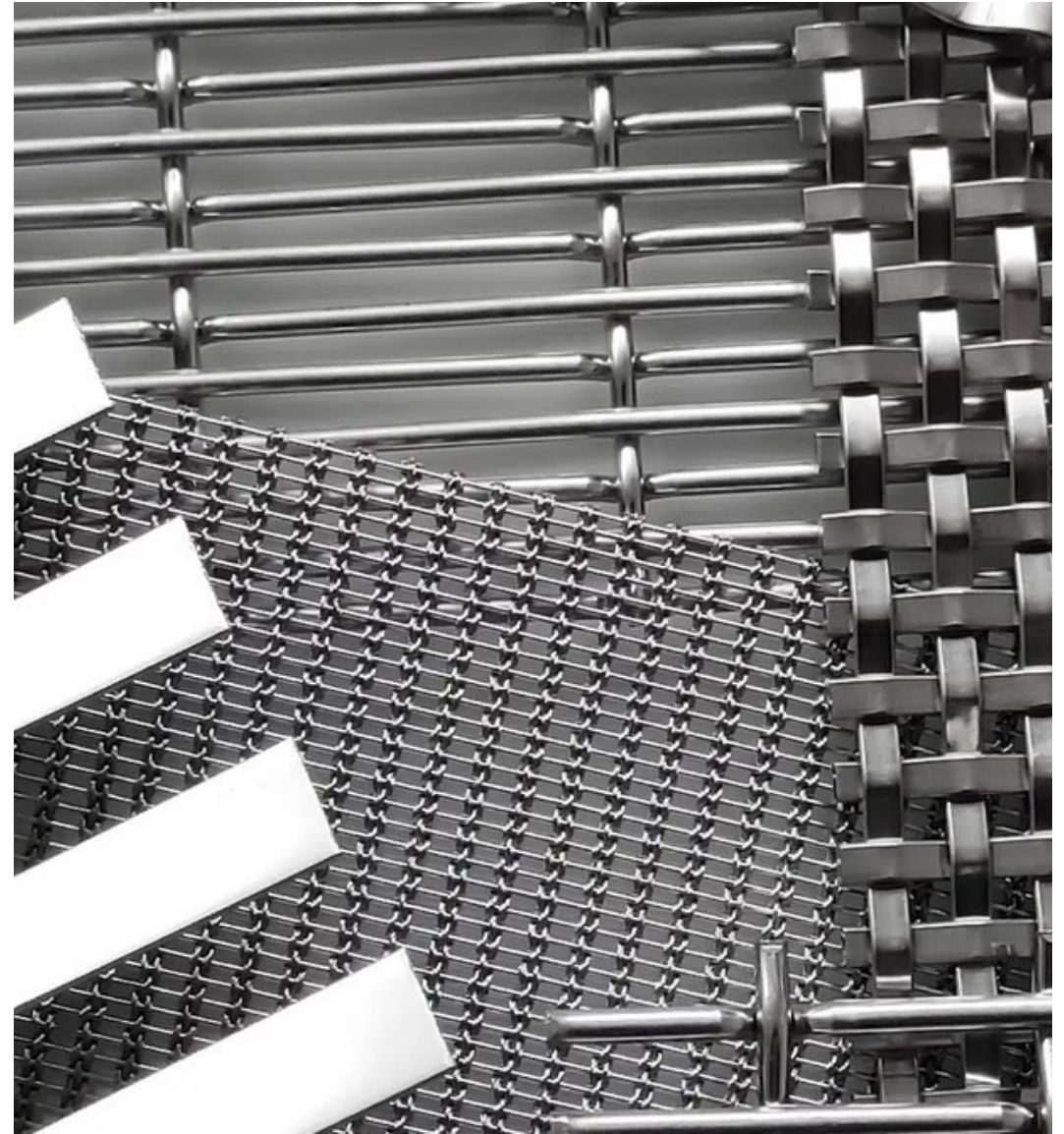
Surface treatments engineered for performance and design intent.

# Stainless Steel • Mill Finish

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## The raw character of architectural wire mesh.

The standard mill finish highlights the natural beauty of stainless steel — clean, untreated, with timeless industrial character. Excellent corrosion resistance and durability make it the default specification for façade and cladding work.



# PVD Coating

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**Rich metallic colour with long-term stability.**

Physical Vapor Deposition delivers metallic finishes — champagne, bronze, black, gold — with superior scratch resistance and colour stability. Ideal for premium architectural mesh systems where colour is a design driver.

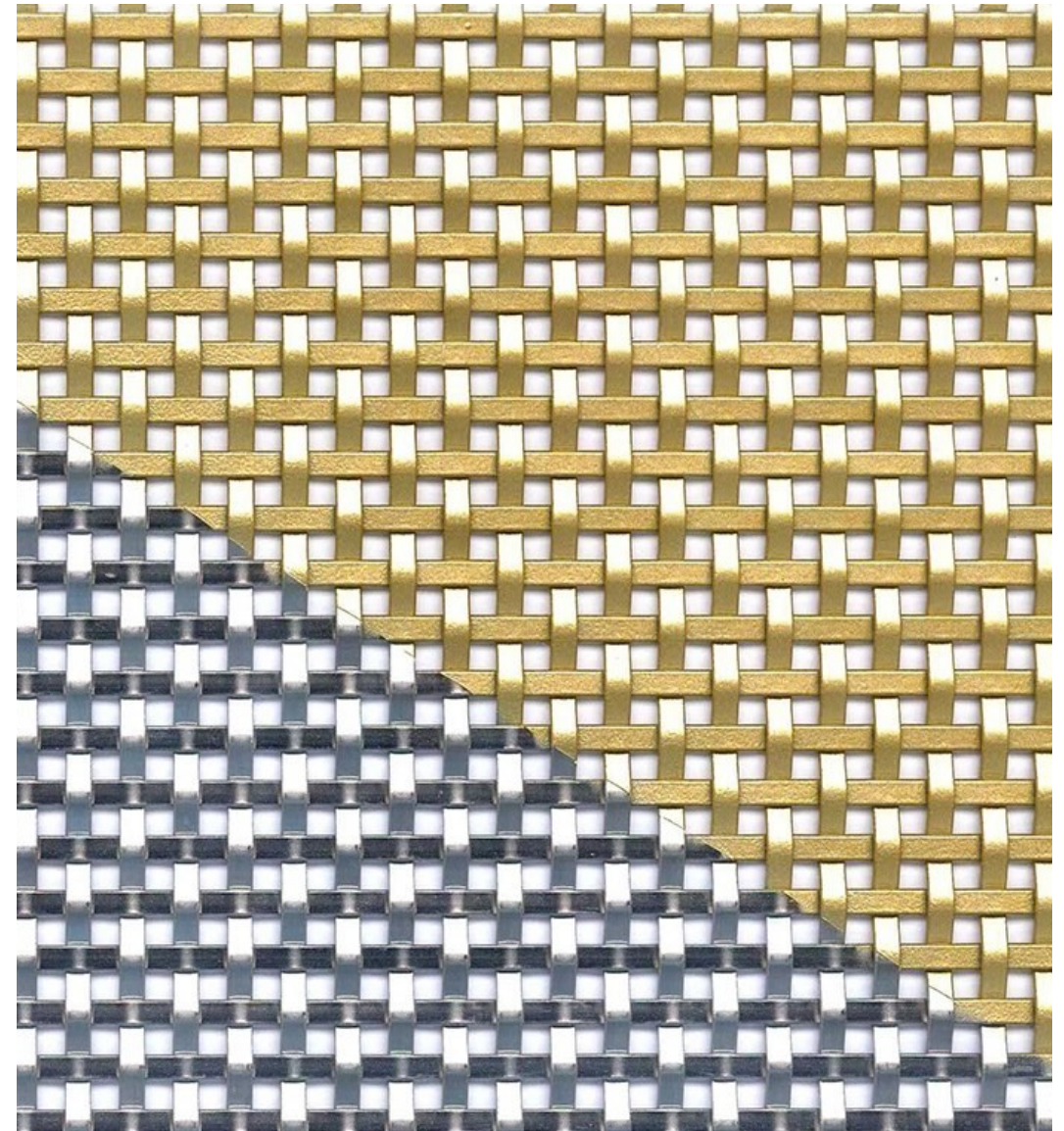


# Wet Paint Coating

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**Full RAL spectrum, matte to gloss.**

Wet paint systems offer the widest colour range and finish textures, from matte to high gloss. Specified where exact colour match or non-standard tones are required, with an additional protective layer over the substrate.



# 05

# Fixing Systems

Engineered tensioning and mounting for façade-scale installations.

# Top Mounting System

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**Suspended tension from the supporting structure.**

A flat tension profile with clevis screws suspends the mesh panel from the primary structure. Controlled tensioning at the top edge ensures the panel hangs cleanly and remains taut over time.



# Intermediate Mounting System

**For larger panels — concealed structural support.**

On larger panels, intermediate supports use discreet wire connectors anchored to a concealed tube behind the mesh. Structural integrity is maintained while the visible face remains uninterrupted — ideal for seamless façade lengths.



# Bottom Mounting System

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## Tensioned base with spring-loaded compliance.

The lower edge uses flat tension profiles with clevis screws and integrated spring elements. The spring allows the mesh to flex under wind load while maintaining consistent tension — essential for exterior installations.



# 06

# Featured Projects

Installed work across the Middle East — five flagship references.



# Dubai Hills Estate Business Park

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Dubai Hills Estate, UAE

APPLICATION

**Car Park Façade Screen**

INSTALLED

**Installed**

MESH SYSTEM

**EGLA-TWIN 4263**

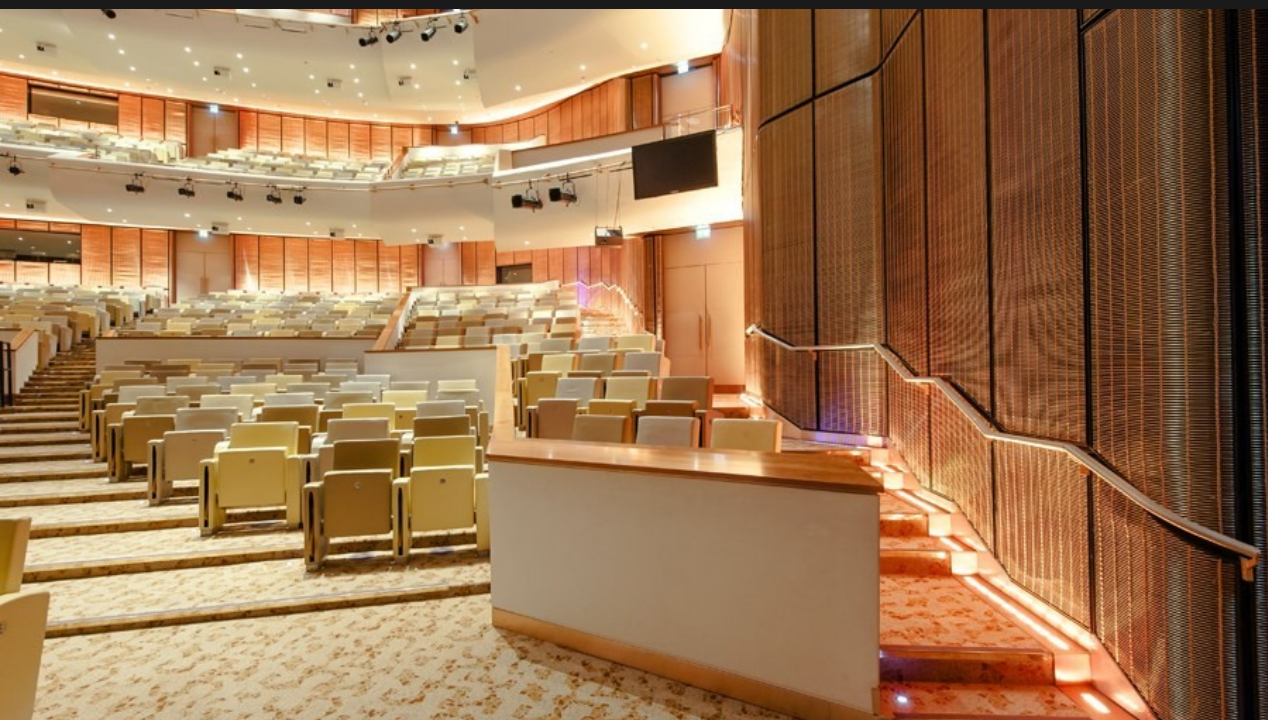
Four office buildings around a central multi-storey car park. EGLA-TWIN 4263 stainless steel mesh clads the car park façade — one smooth, light-reflective face combined with a 65% open mesh structure meets both the architect's visual brief and ventilation code. Panels up to 25 m long × 3 m wide fixed via tension profiles and clevis bolts.

CLIENT

Emaar

ARCHITECT

Design & Architecture Bureau (DAR)



# Qatar National Convention Centre

Doha, Qatar

APPLICATION

**Theatre Hall Cladding**

INSTALLED

**Installed**

MESH SYSTEM

**MULTI-BARRETTE 8123**

Bronze MULTI-BARRETTE 8123 wire mesh clads the walls of the Theatre Hall, with 6,000 m<sup>2</sup> of architectural mesh across ceilings and walls. Engineered for the theatre's acoustic requirements: clear-varnish coated, edge-canted, glued into black-coated aluminium frames — air-permeable and acoustically neutral while reading as a homogeneous bronze surface.

CLIENT

Qatar National Convention Centre

ARCHITECT

Arata Isozaki & Associates



# Aspire Tower

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**Doha, Qatar**

APPLICATION

**Torch Façade**

INSTALLED

**Installed**

MESH SYSTEM

**DOGLA-TRIO**

The 318 m tower — design landmark of the 2006 Asian Games — was sculpted into a torch using DOGLA-TRIO mesh elements. 3,452 panels totalling ~30,000 m<sup>2</sup>, with horizontal-wire clear openings tuned from 14–44 mm and open area graded from 72% to 85%. Continuous vertical wire groups run unbroken element-to-element across the full tower height; integrated LEDs deliver programmable colour effects.

CLIENT

The Sports City Project

ARCHITECT

AREP



# North East Car Park

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Doha, Qatar

APPLICATION

**Car Park Fall-Protection  
Cladding**

INSTALLED

**Installed**

MESH SYSTEM

**DOKA-BARRETTE 8915**

Architectural wire mesh clads the fall protection of the North East Car Park. KAPHS supplied 200 m<sup>2</sup> of ready-to-install DOKA-BARRETTE 8915 elements with edge-protection profiles — a durable, ventilated screen that meets the structural and visual requirements of a public parking facility.

CLIENT

Qatar Foundation

ARCHITECT

ARUP



# Mercedes-Benz Flagship Showroom

Dubai Design District (d3), UAE

APPLICATION

**Showroom Façade**

INSTALLED

**Installed**

MESH SYSTEM

**DOGLIA-TRIO 1033**

The Mercedes-Benz flagship showroom façade is wrapped in grey-painted DOGLIA-TRIO 1033 wire mesh. The sophisticated weave reads as a precise, luxurious surface that signals the brand identity, while delivering a balance of transparency and privacy — letting daylight filter through without compromising the showroom's polished exterior.

CLIENT

Gargash / Mercedes-Benz

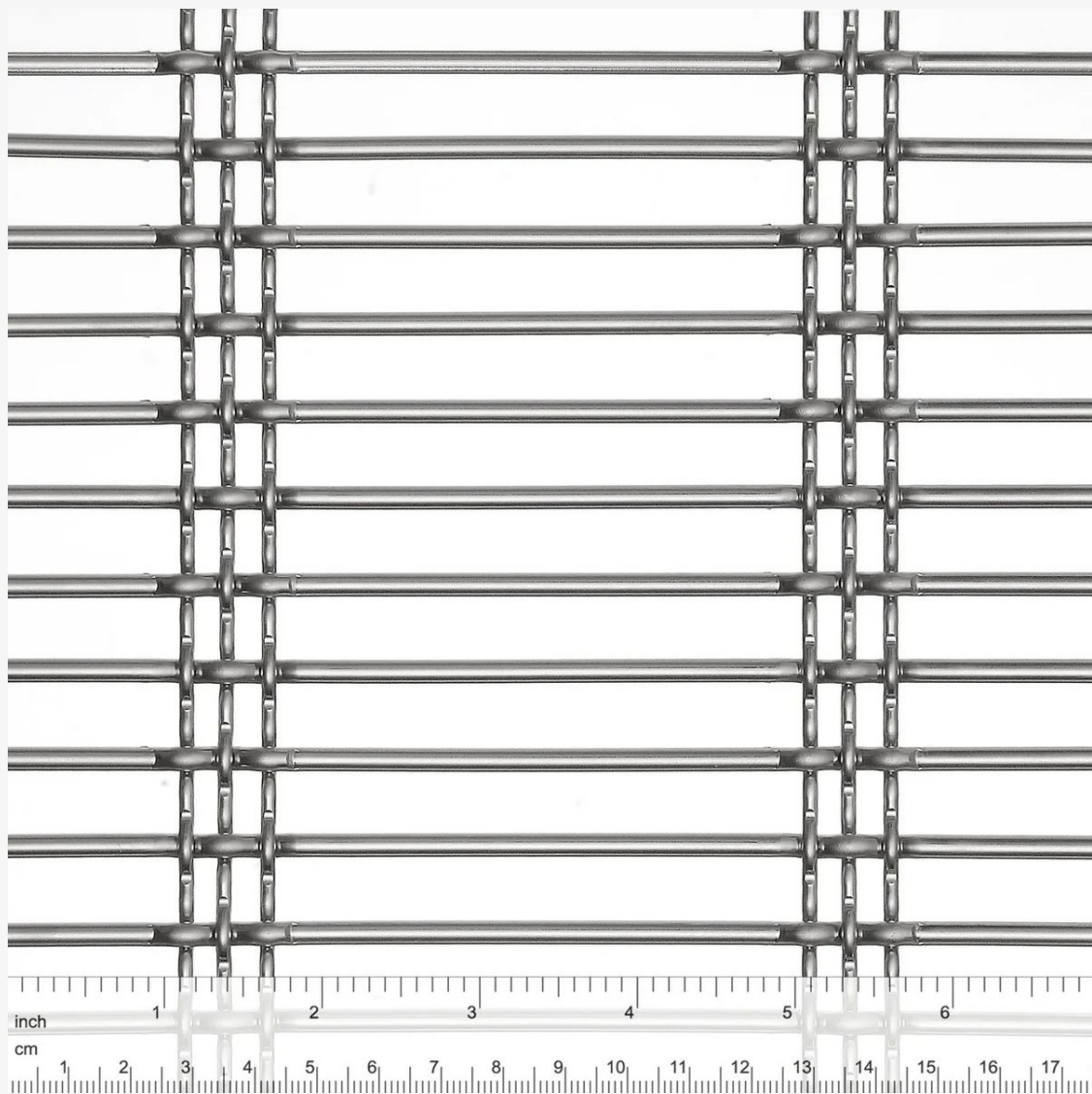
ARCHITECT

Binchy & Binchy

# 07

# Product Range

35 woven mesh patterns. From fine architectural textiles to wide-aperture façade weaves.



07 / PRODUCT RANGE / 01 OF 35

# DOGLA-TRIO

1011



OPEN AREA

**~66%**

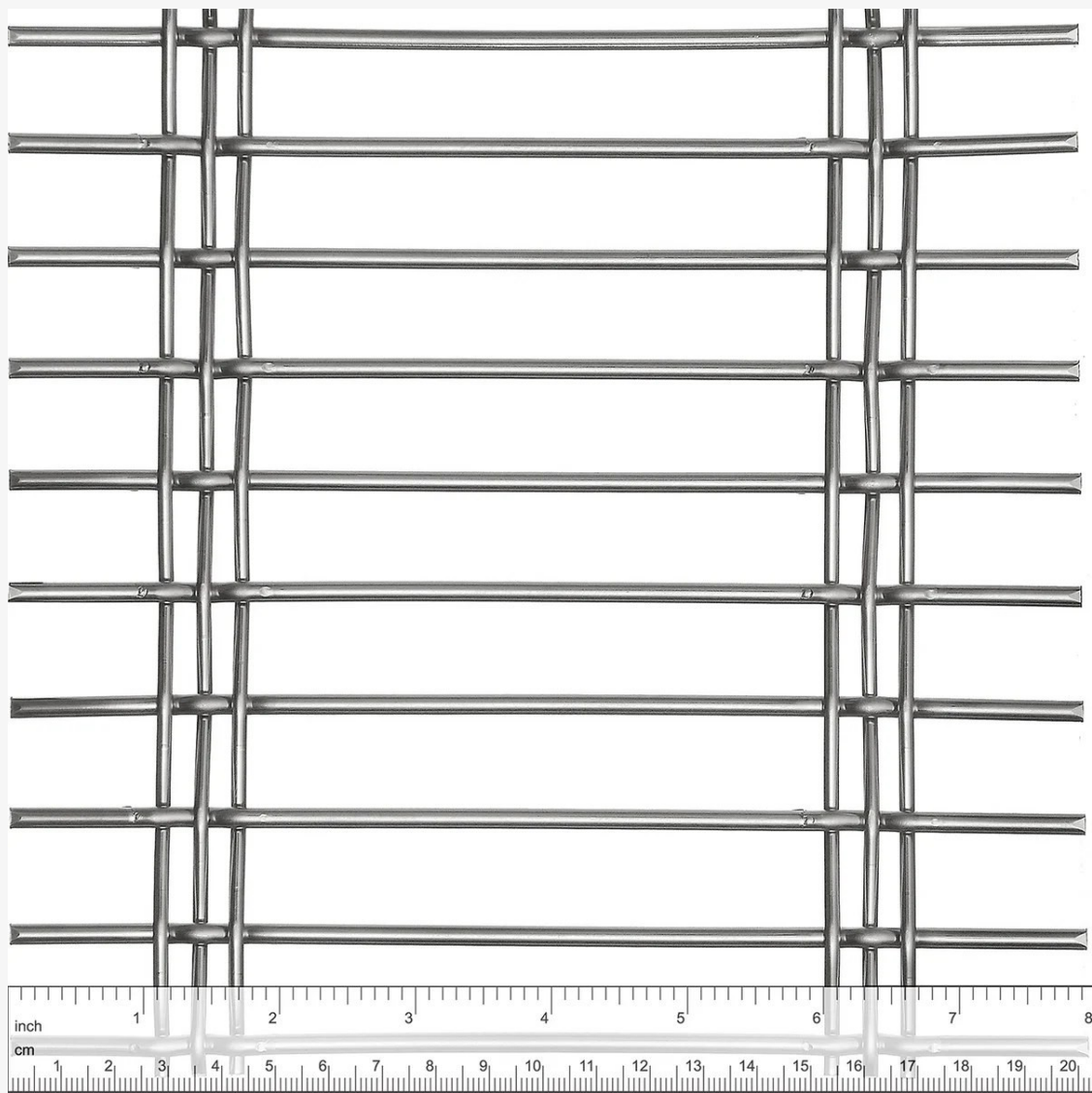
WEIGHT

**~8,5 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 02 OF 35

# DOGLA-TRIO

1030



OPEN AREA

~75%

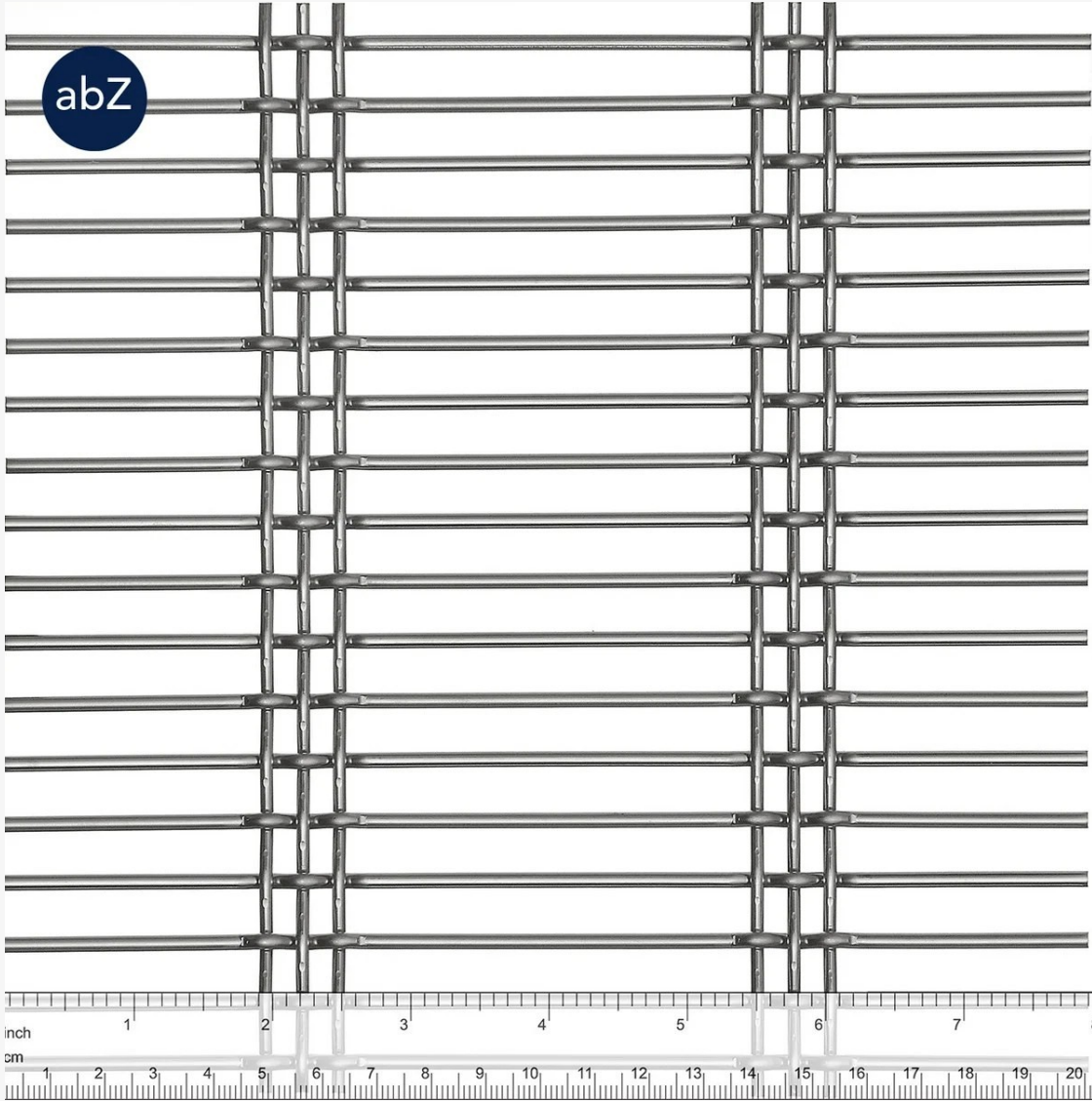
WEIGHT

~6,2 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 03 OF 35

# DOGLA-TRIO

1033

OPEN AREA

~67%

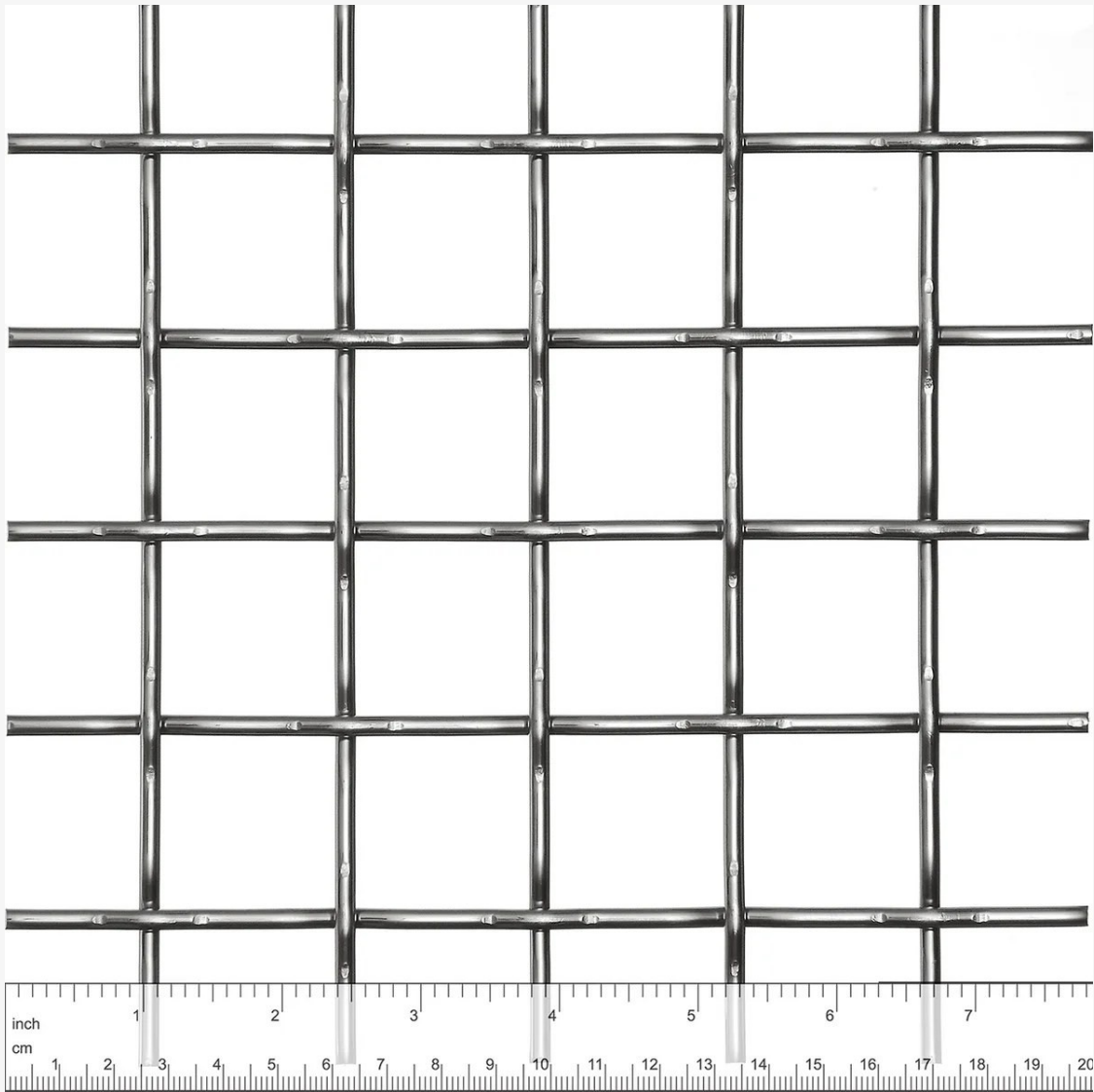
WEIGHT

~6,5 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 04 OF 35

# DOKA-MONO

1591



OPEN AREA

~79%

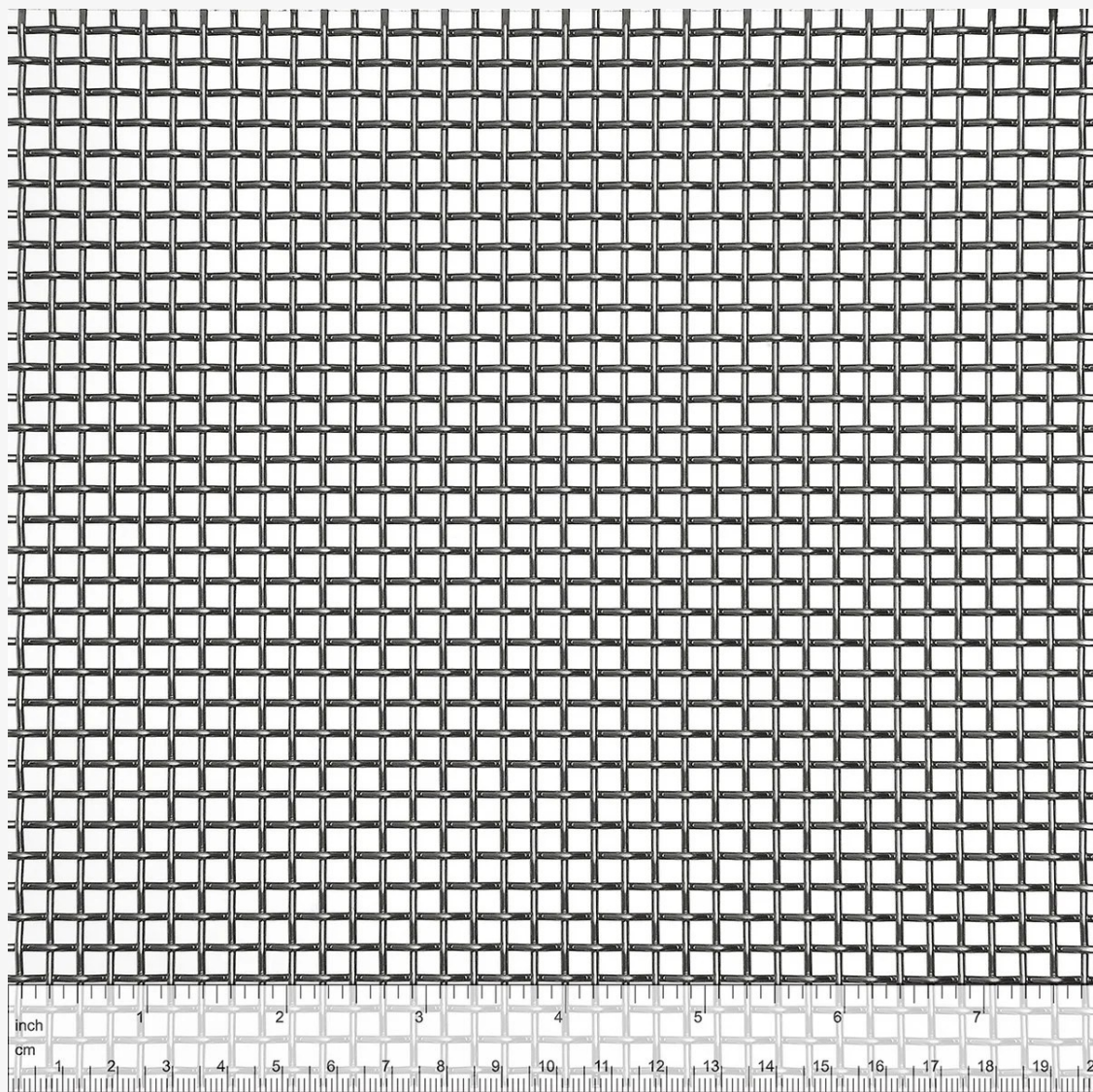
WEIGHT

~5,9 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 05 OF 35

# DOKA-MONO

1601



OPEN AREA

**~51%**

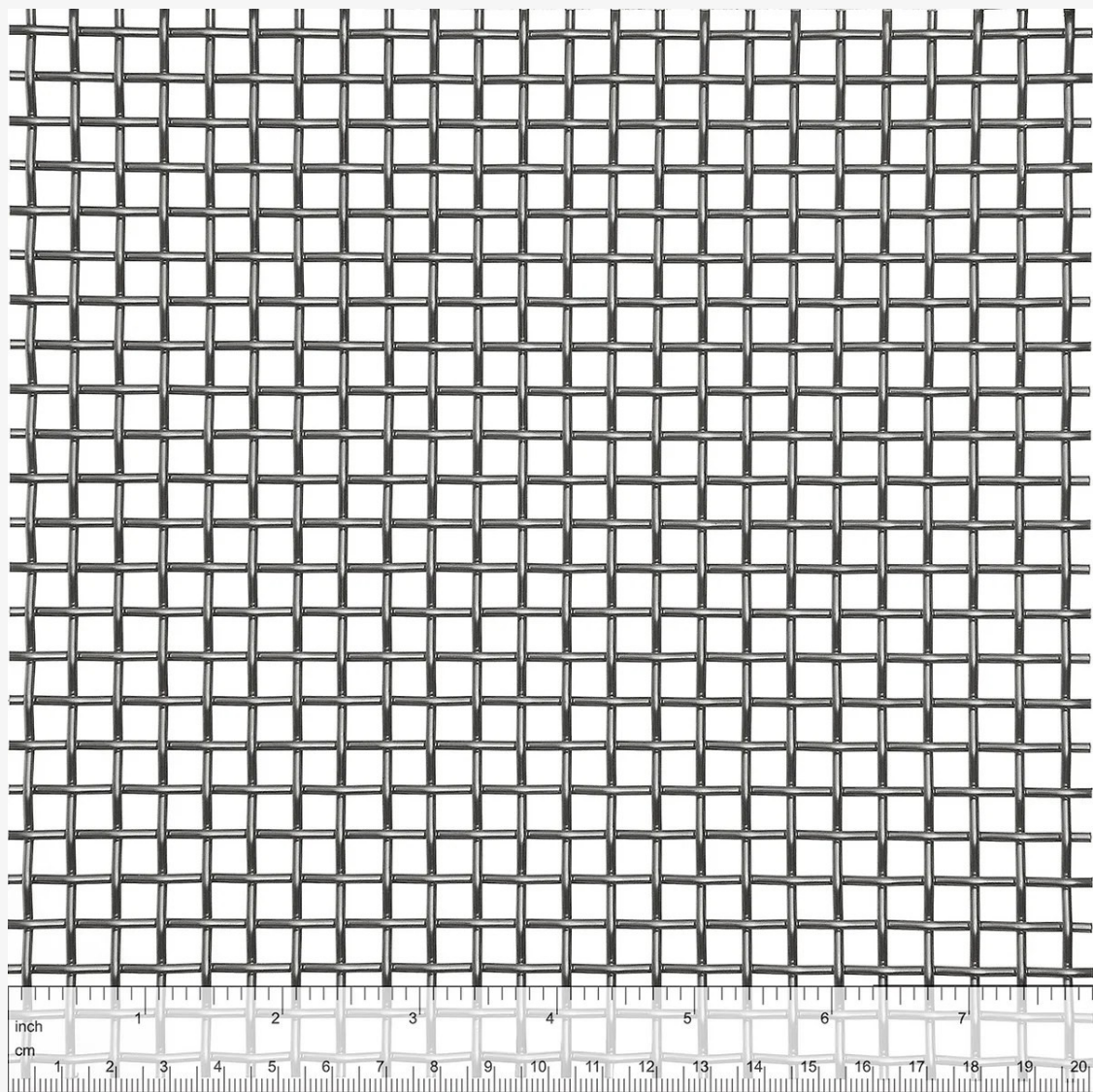
WEIGHT

**~6,0 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 06 OF 35

# DOKA-MONO

1851



OPEN AREA

**~58%**

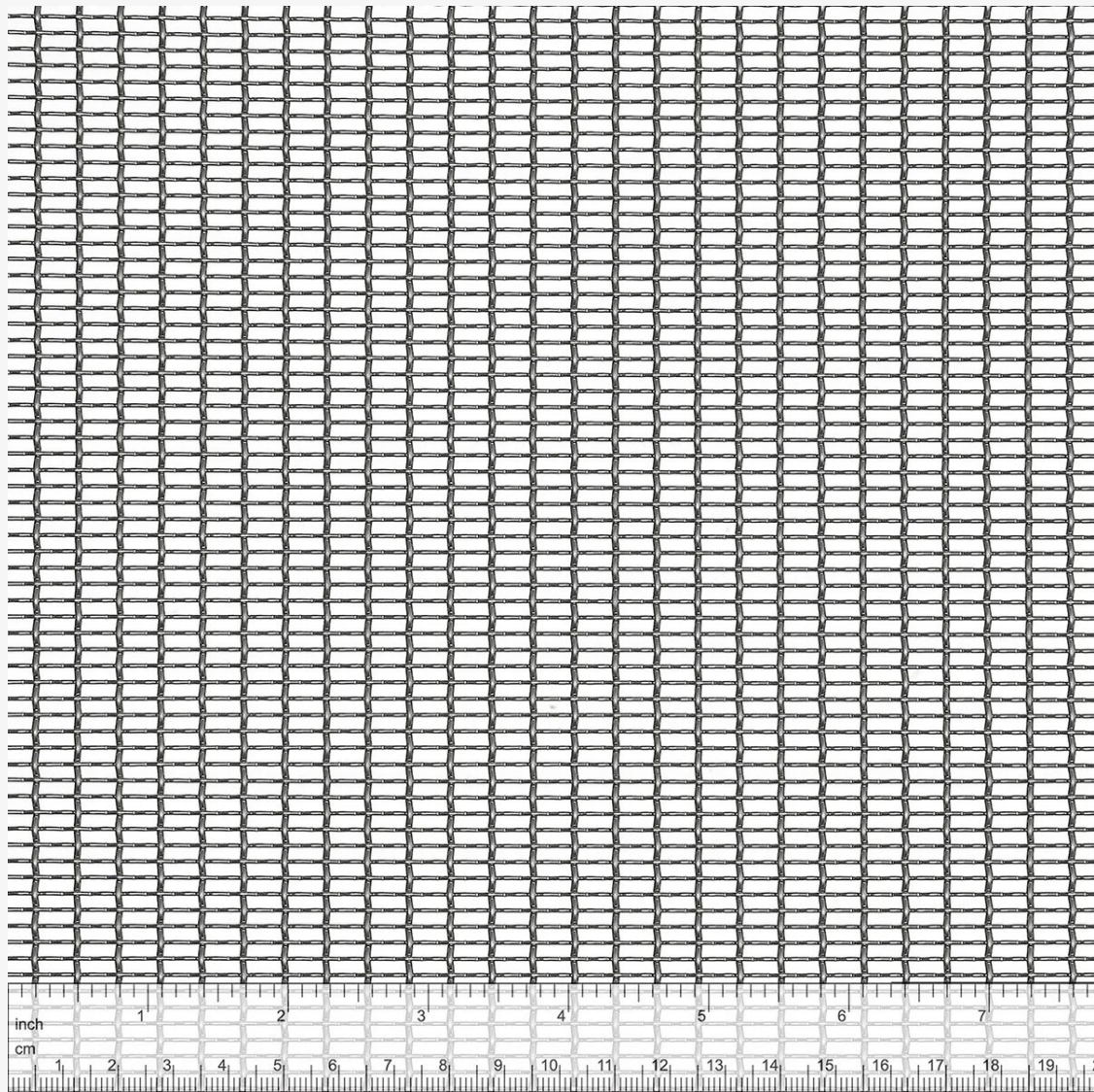
WEIGHT

**~6,1 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 07 OF 35

# DOKAWELL-MONO

3001



OPEN AREA

**~56%**

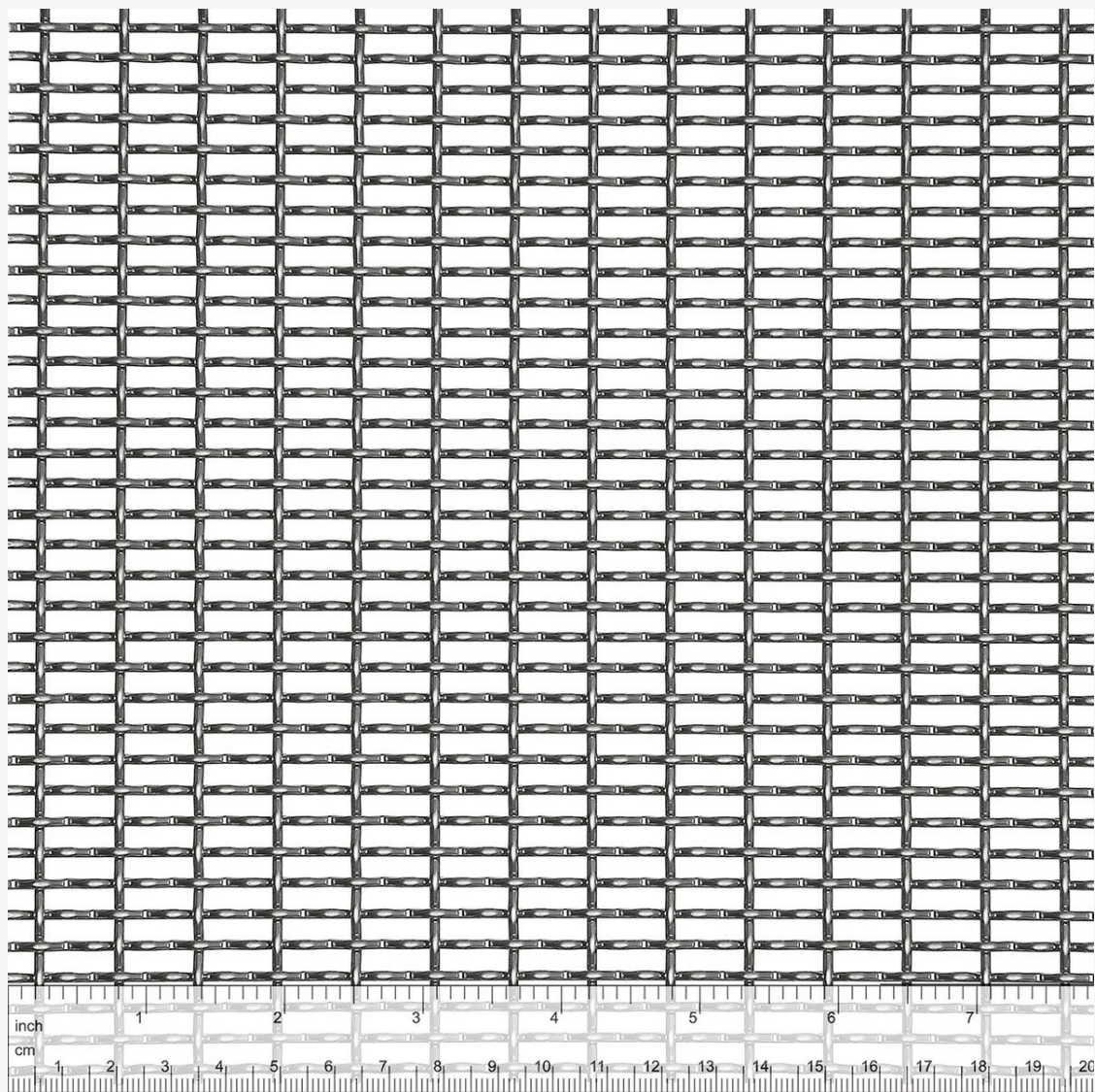
WEIGHT

**~3,2 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 08 OF 35

# DOKAWELL-MONO

3381



OPEN AREA

**~55%**

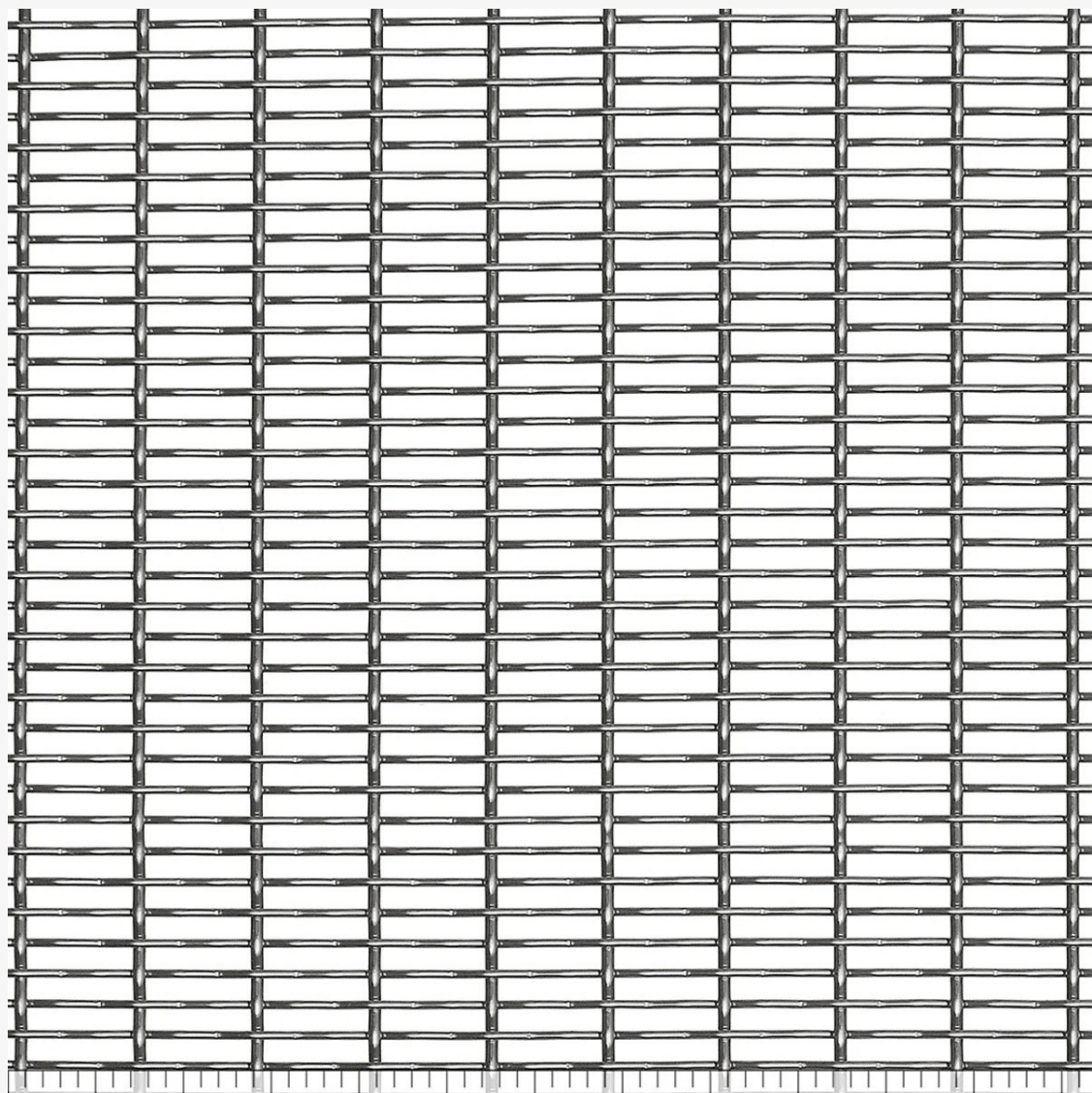
WEIGHT

**~6,4 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 09 OF 35

# DOKAWELL-MONO

3571



OPEN AREA

**~60%**

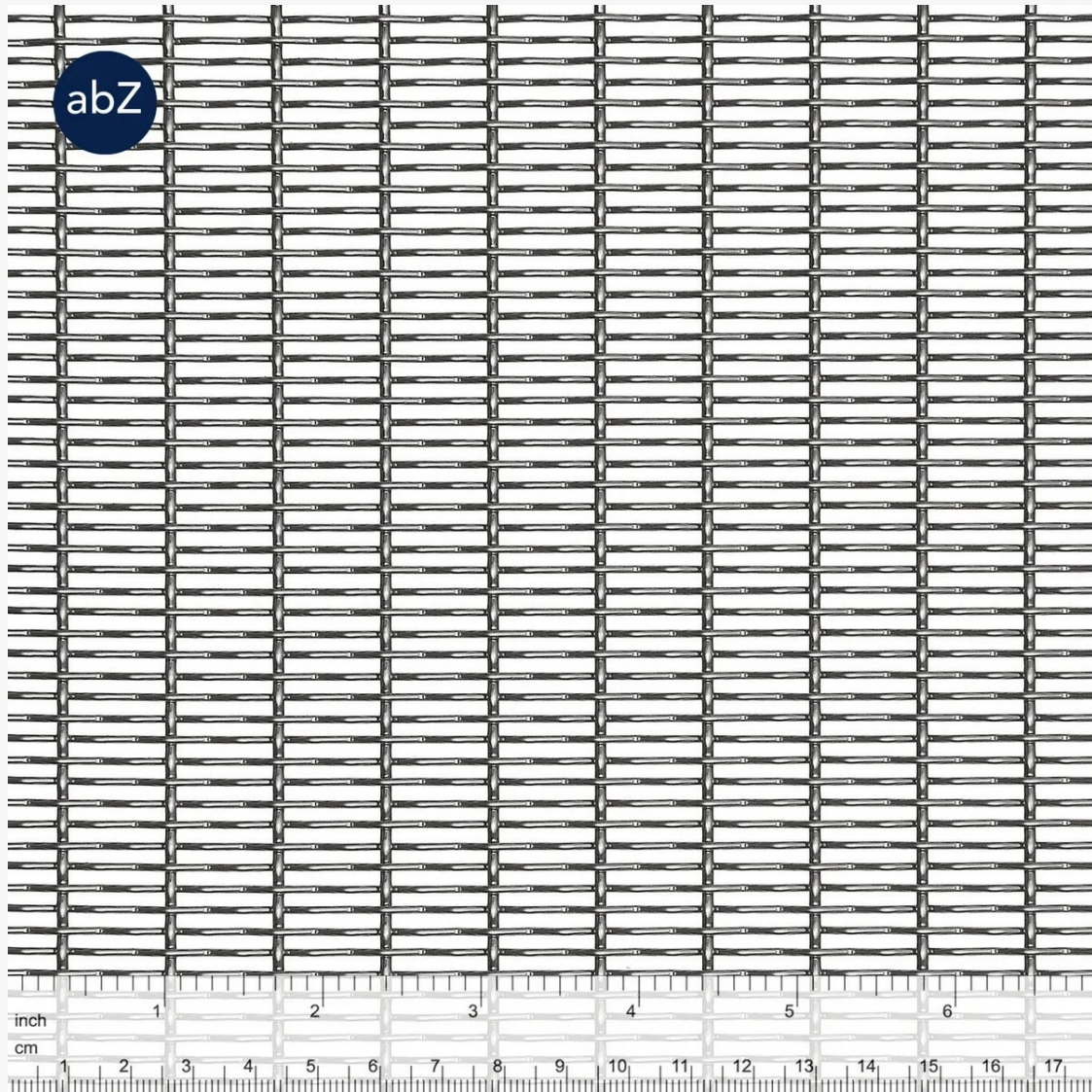
WEIGHT

**~4,5 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 10 OF 35

# DOKAWELL-MONO

3601

OPEN AREA

~52%

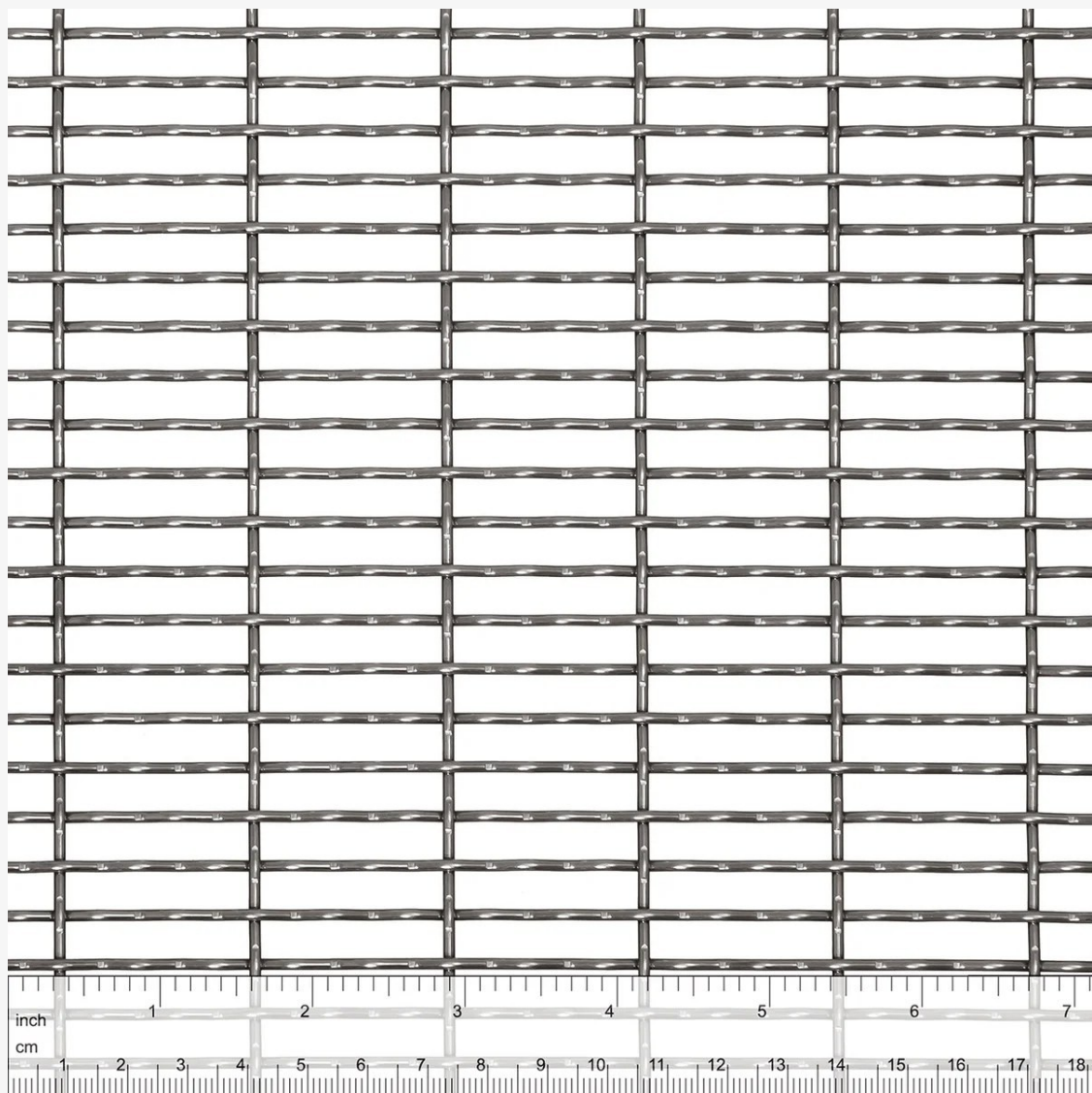
WEIGHT

~5,3 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 11 OF 35

# DOKAWELL-MONO

3691



OPEN AREA

~70%

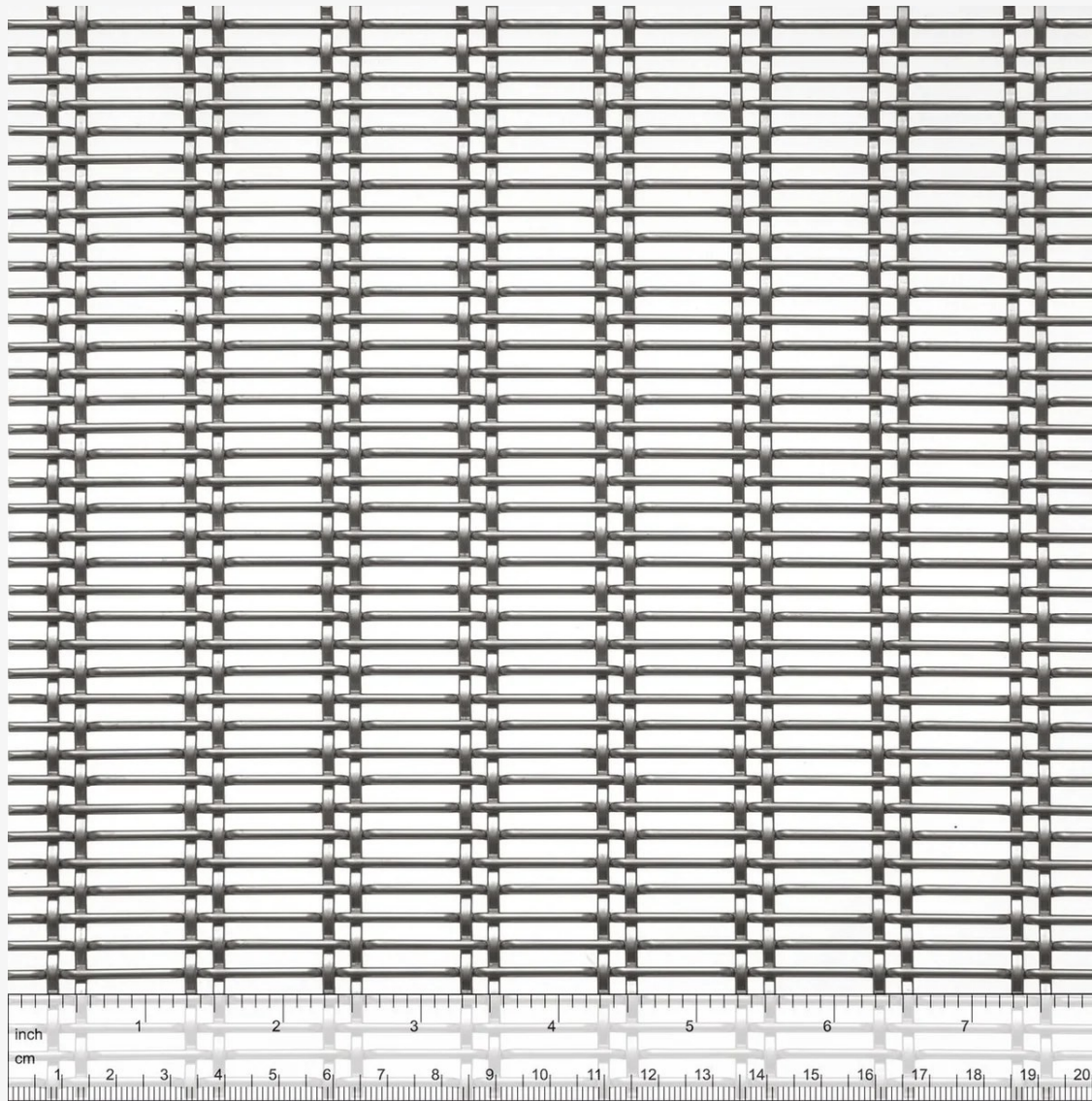
WEIGHT

~4,2 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 12 OF 35

# EGLA-DUO

4222

OPEN AREA

**~46%**

WEIGHT

**~7,4 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 13 OF 35

# EGLA-DUO

4262

OPEN AREA

~52%

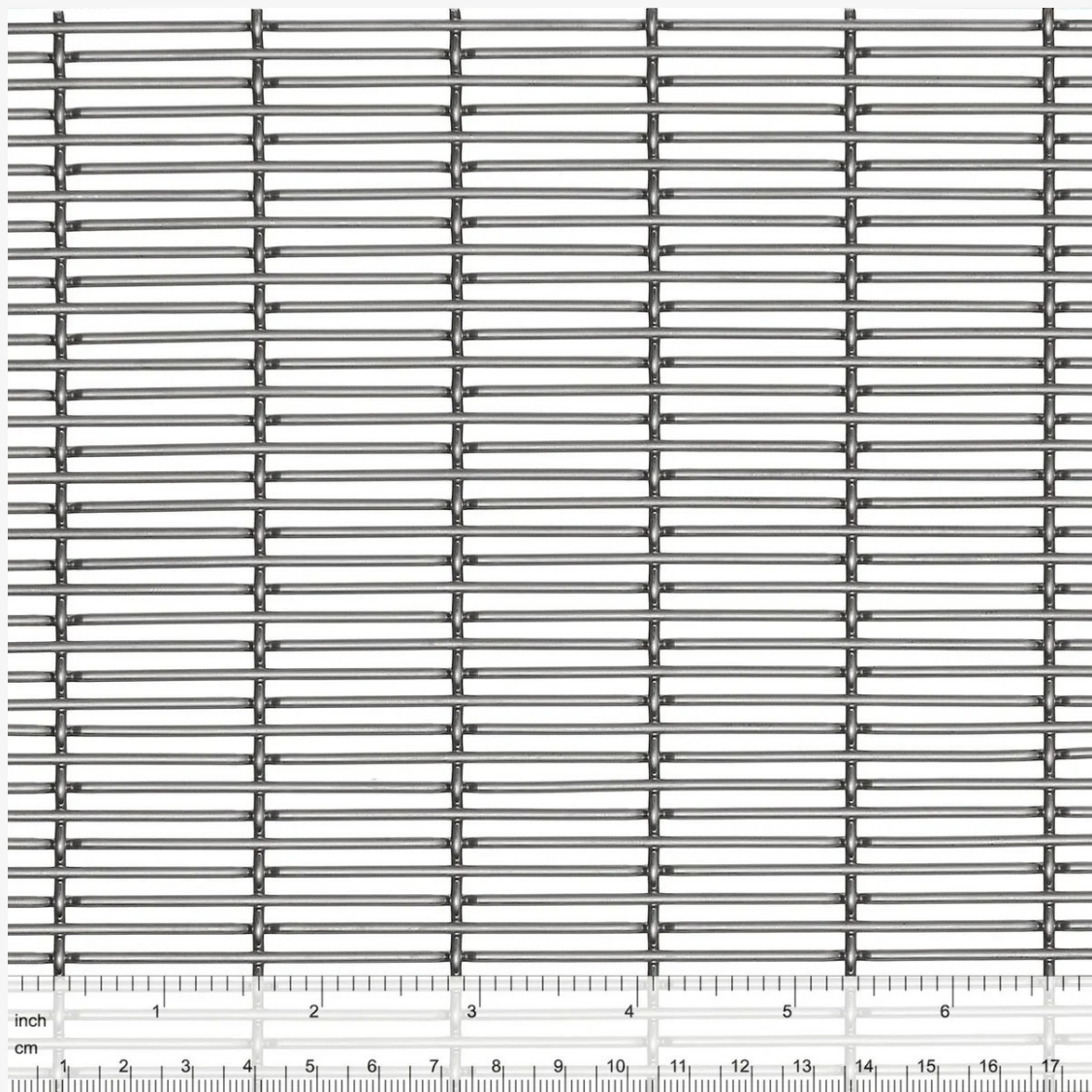
WEIGHT

~6,6 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 14 OF 35

# EGLA-MONO

4391



OPEN AREA

**~52%**

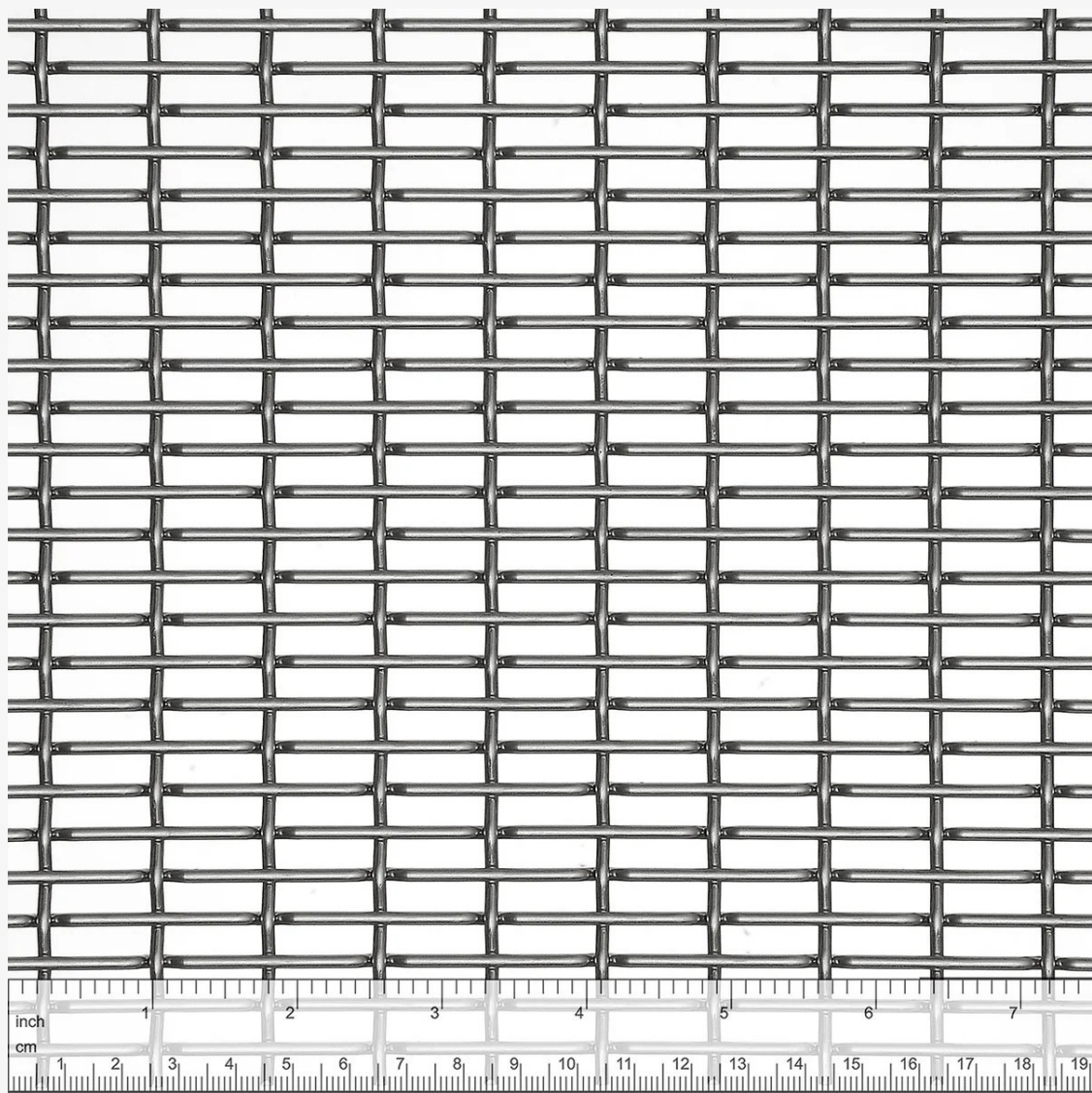
WEIGHT

**~6,6 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 15 OF 35

# EGLA-MONO

4631

OPEN AREA

~58%

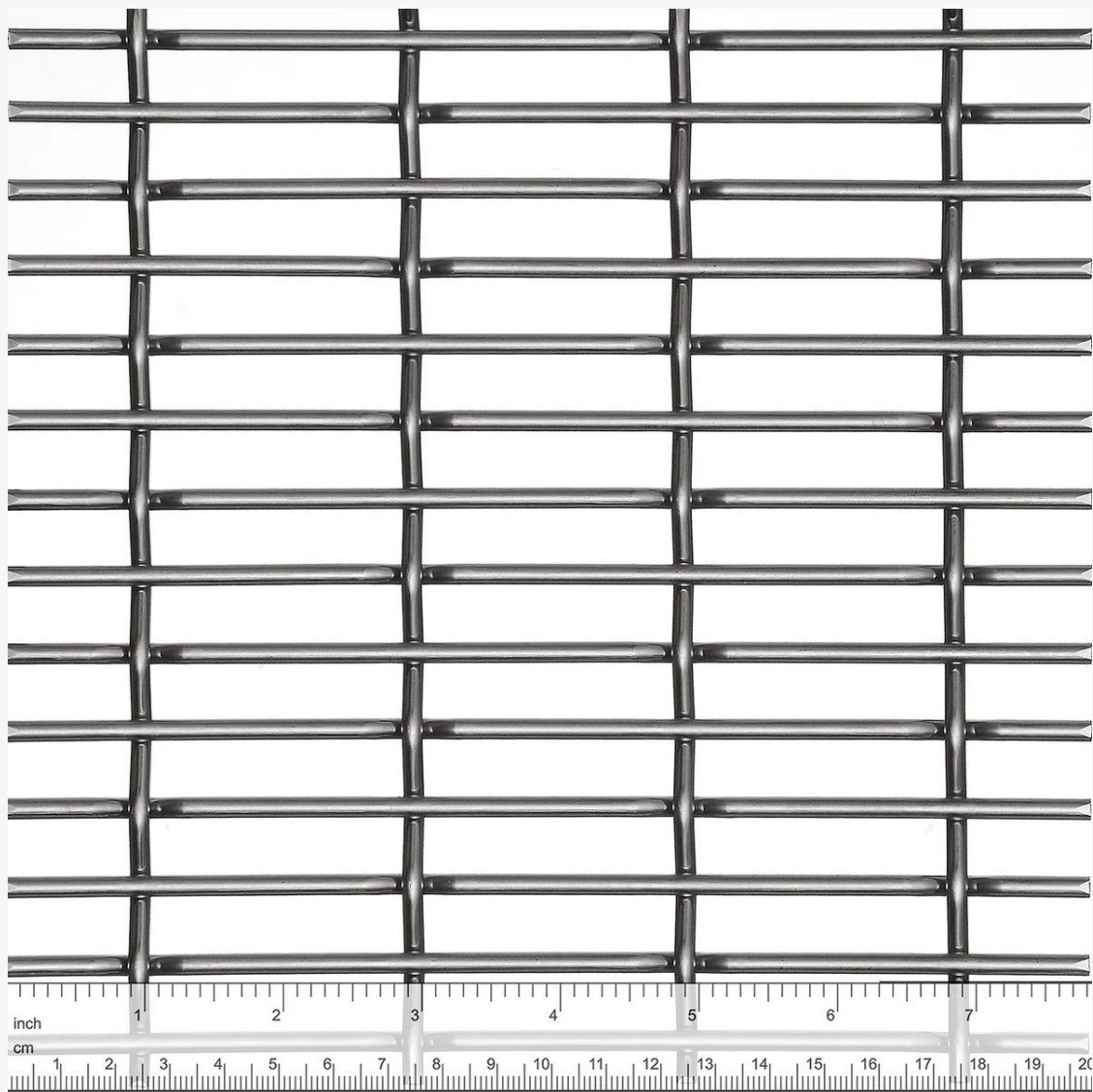
WEIGHT

~7,3 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 16 OF 35

# EGLA-MONO

4741

OPEN AREA

~66%

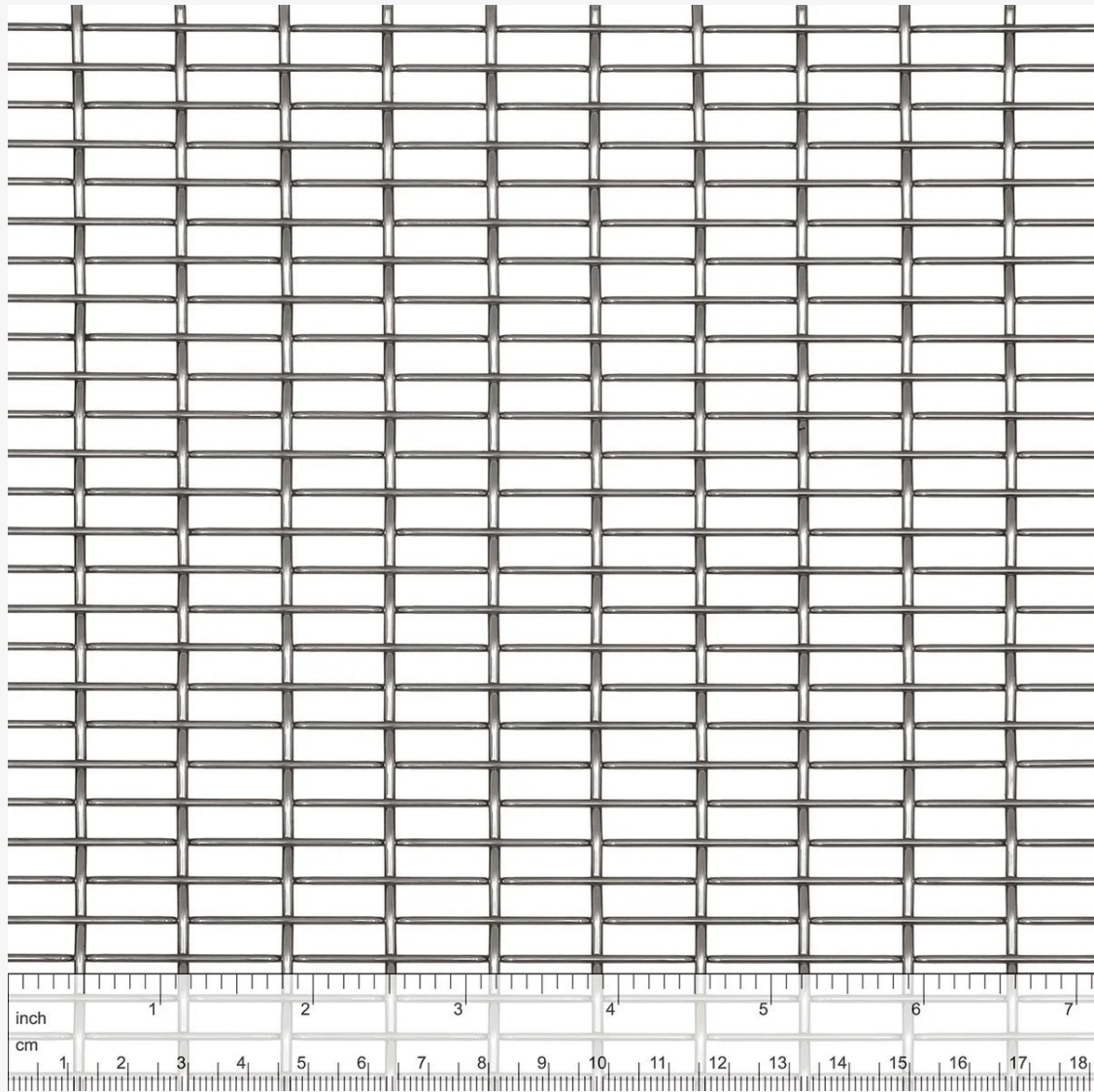
WEIGHT

~8,7 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 17 OF 35

# EGLA-MONO

4832

OPEN AREA

~69%

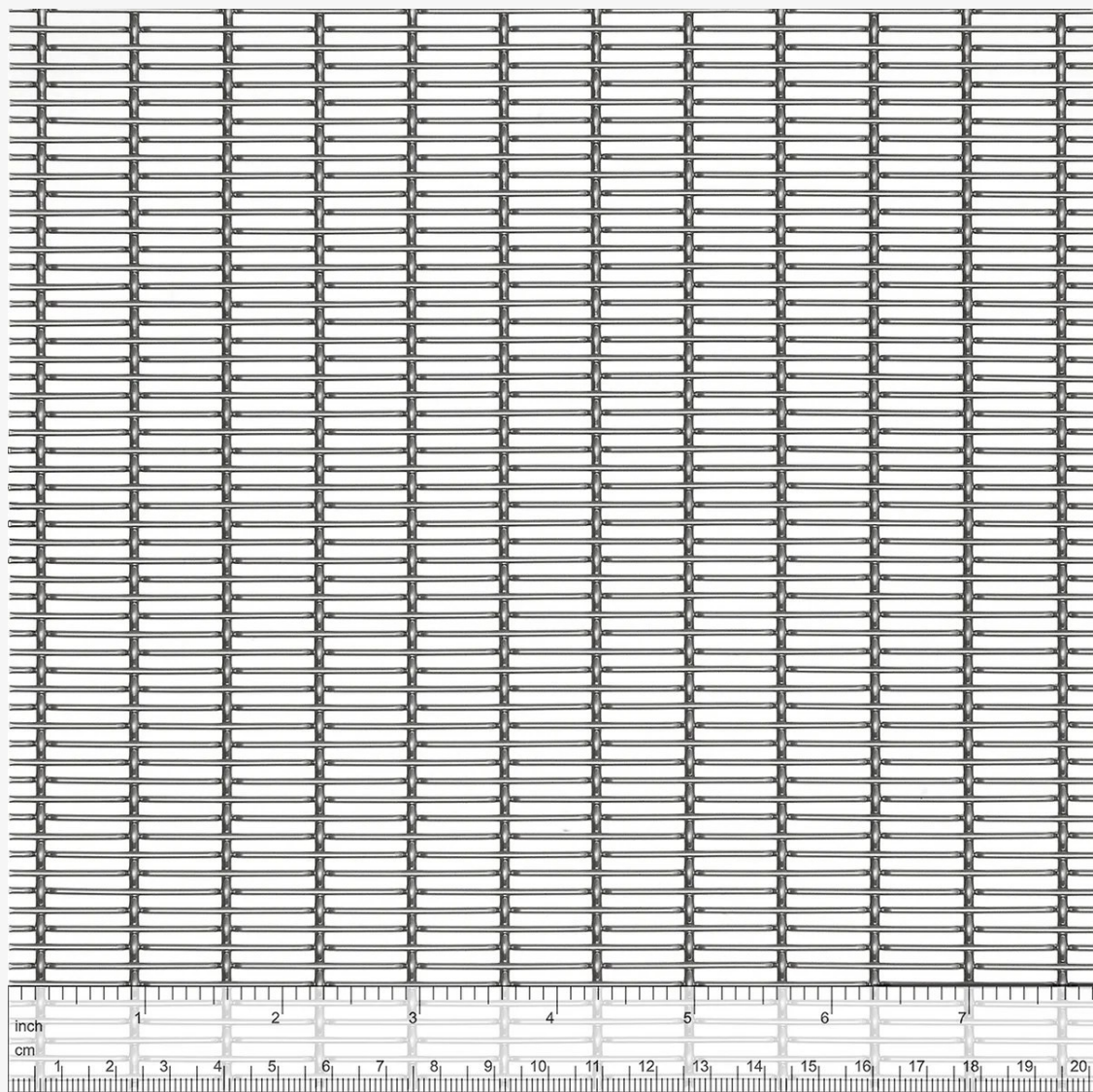
WEIGHT

~3,4 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 18 OF 35

# EGLA-MONO

4881



OPEN AREA

**~52%**

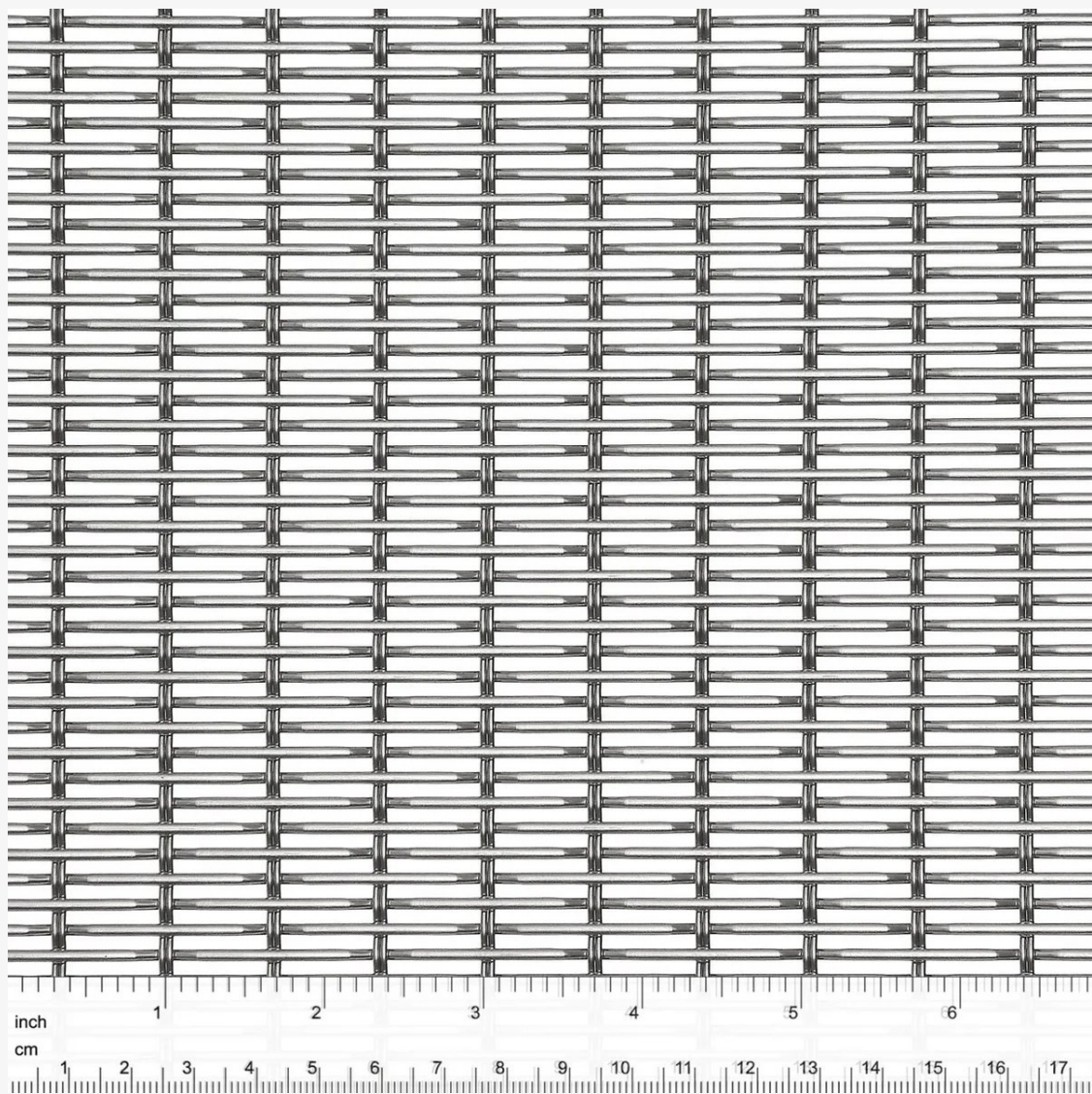
WEIGHT

**~5,2 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 19 OF 35

# EGLA-TWIN

4223



OPEN AREA

**~43%**

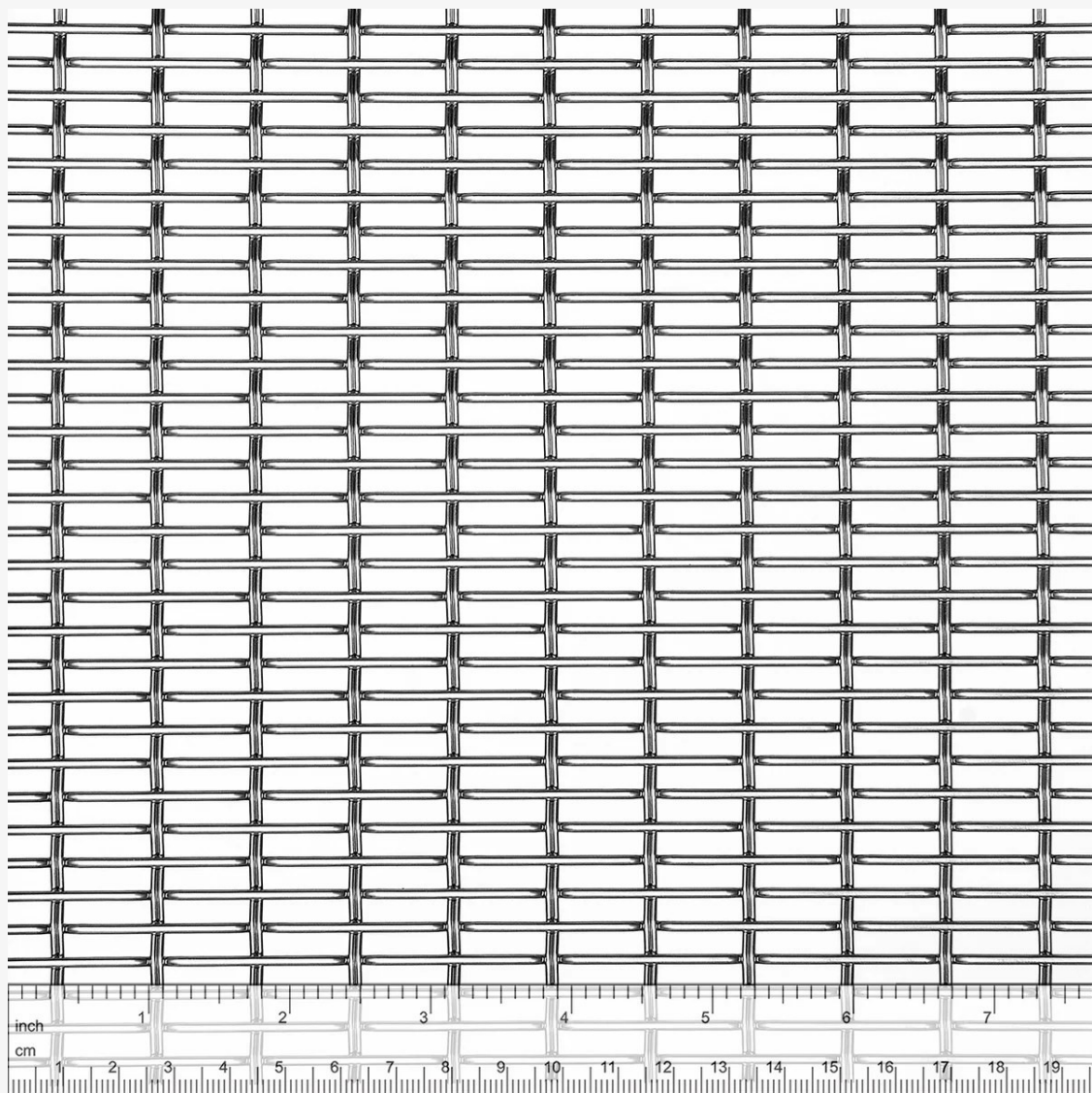
WEIGHT

**~7,2 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 20 OF 35

# EGLA-TWIN

4243



OPEN AREA

**~57%**

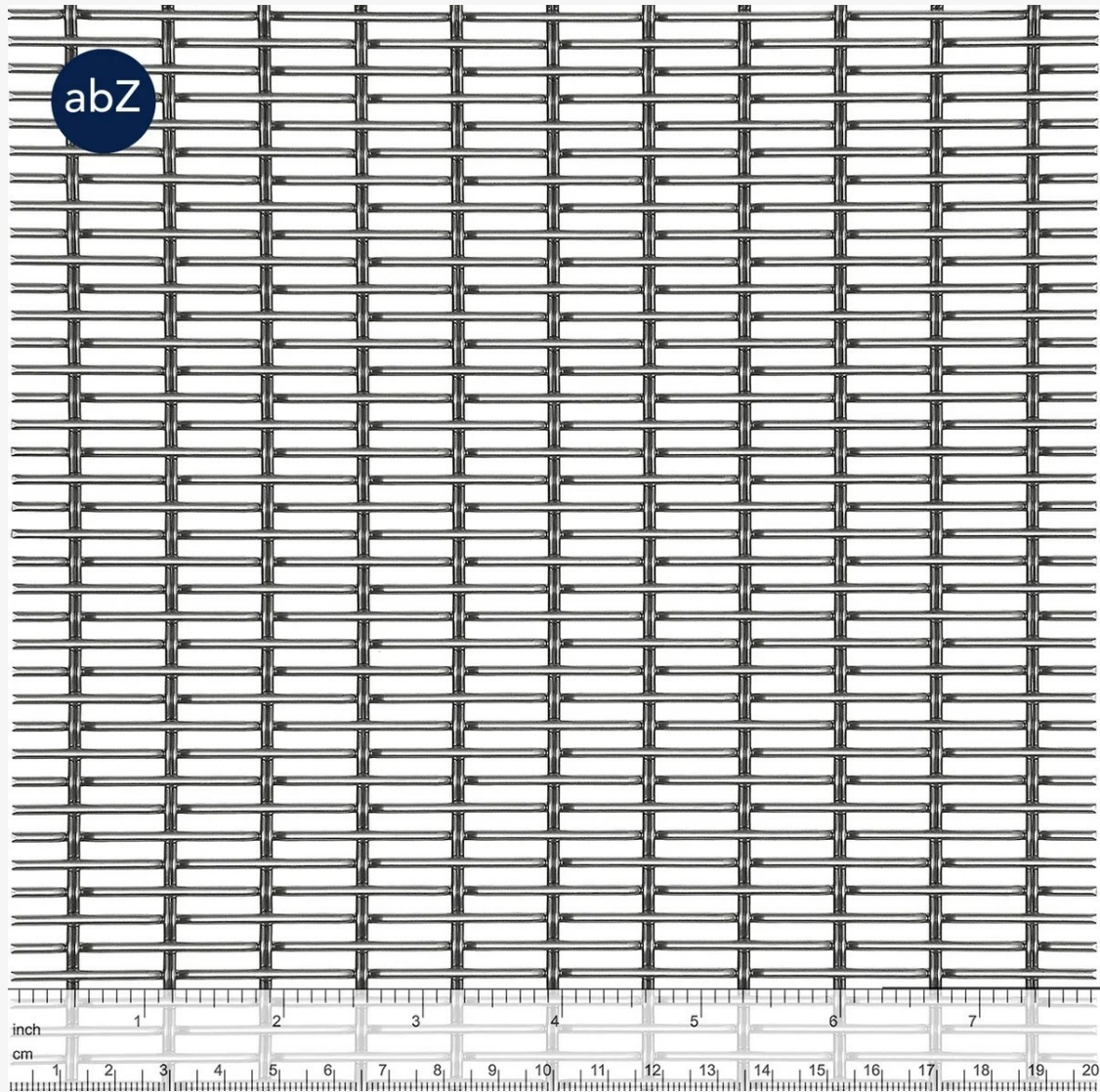
WEIGHT

**~5,4 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 21 OF 35

# EGLA-TWIN

4253

OPEN AREA

**~51%**

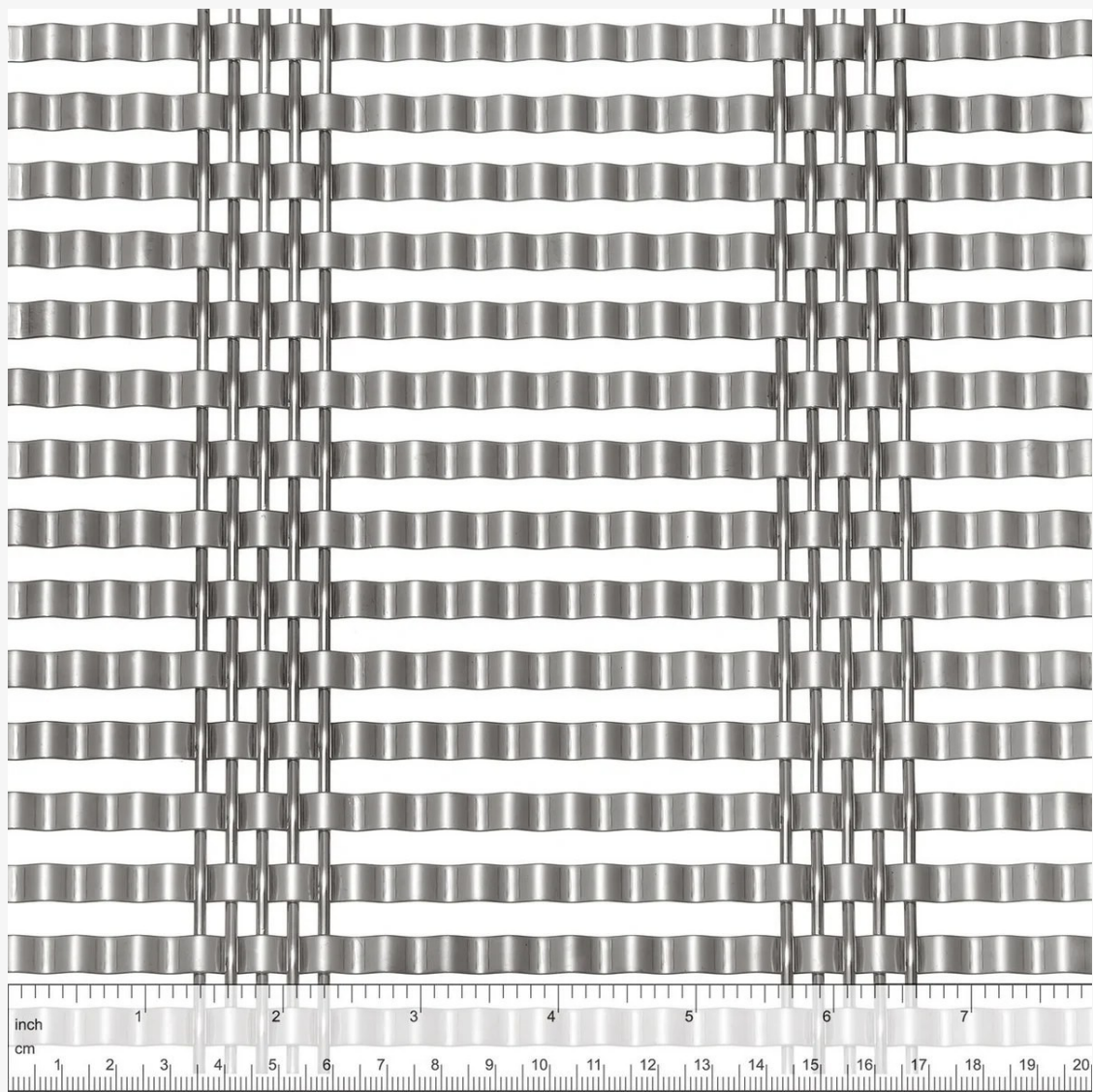
WEIGHT

**~6,0 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 22 OF 35

# LARGO-NOVA

2032



OPEN AREA

**~40%**

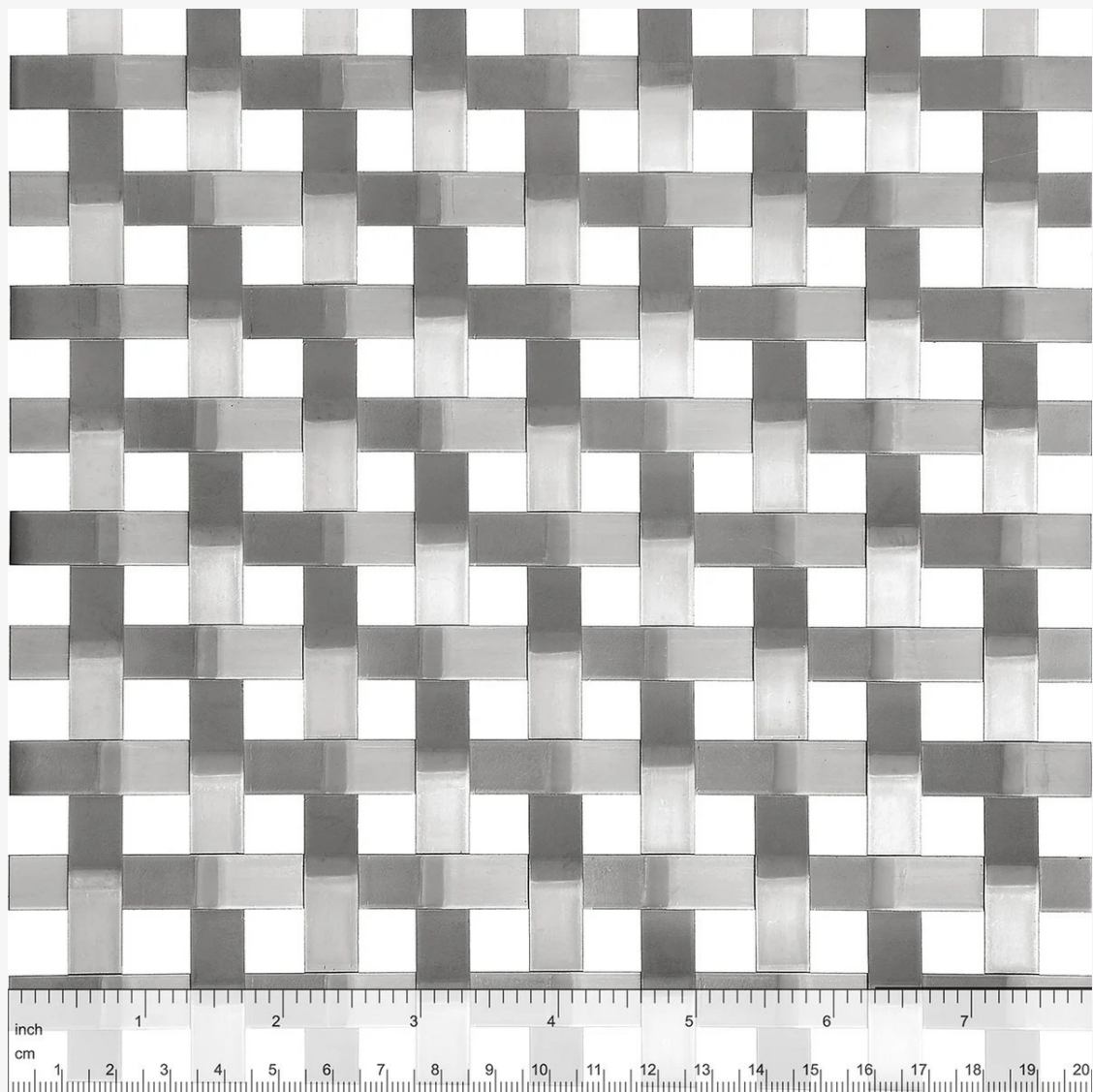
WEIGHT

**~6,6 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 23 OF 35

# LARGO-PLENUS

2022



OPEN AREA

~25%

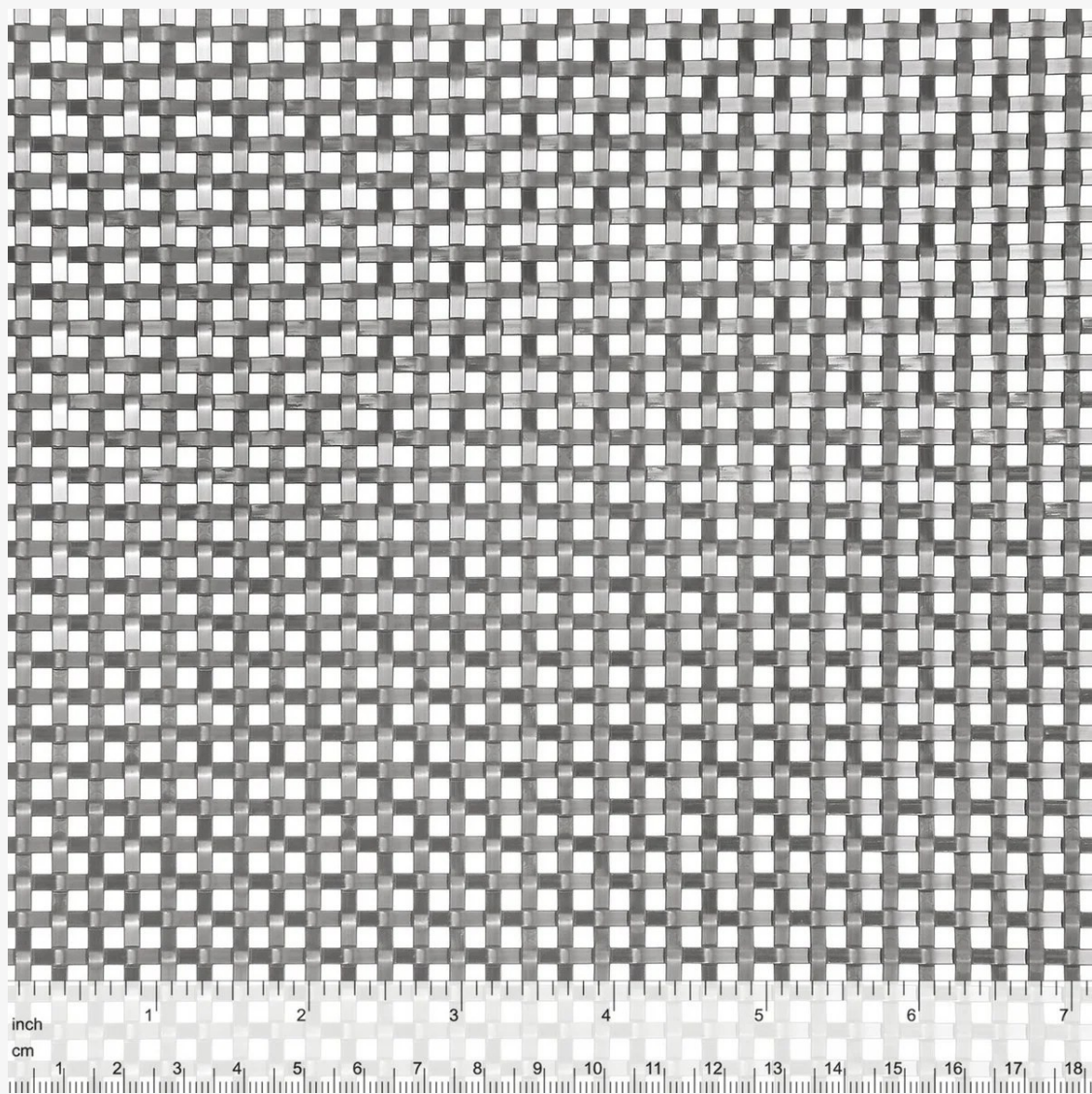
WEIGHT

~8,1 kg/m<sup>2</sup>

MAX. WIDTH

—

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 24 OF 35

# LARGO-PLENUS

2027

OPEN AREA

~25%

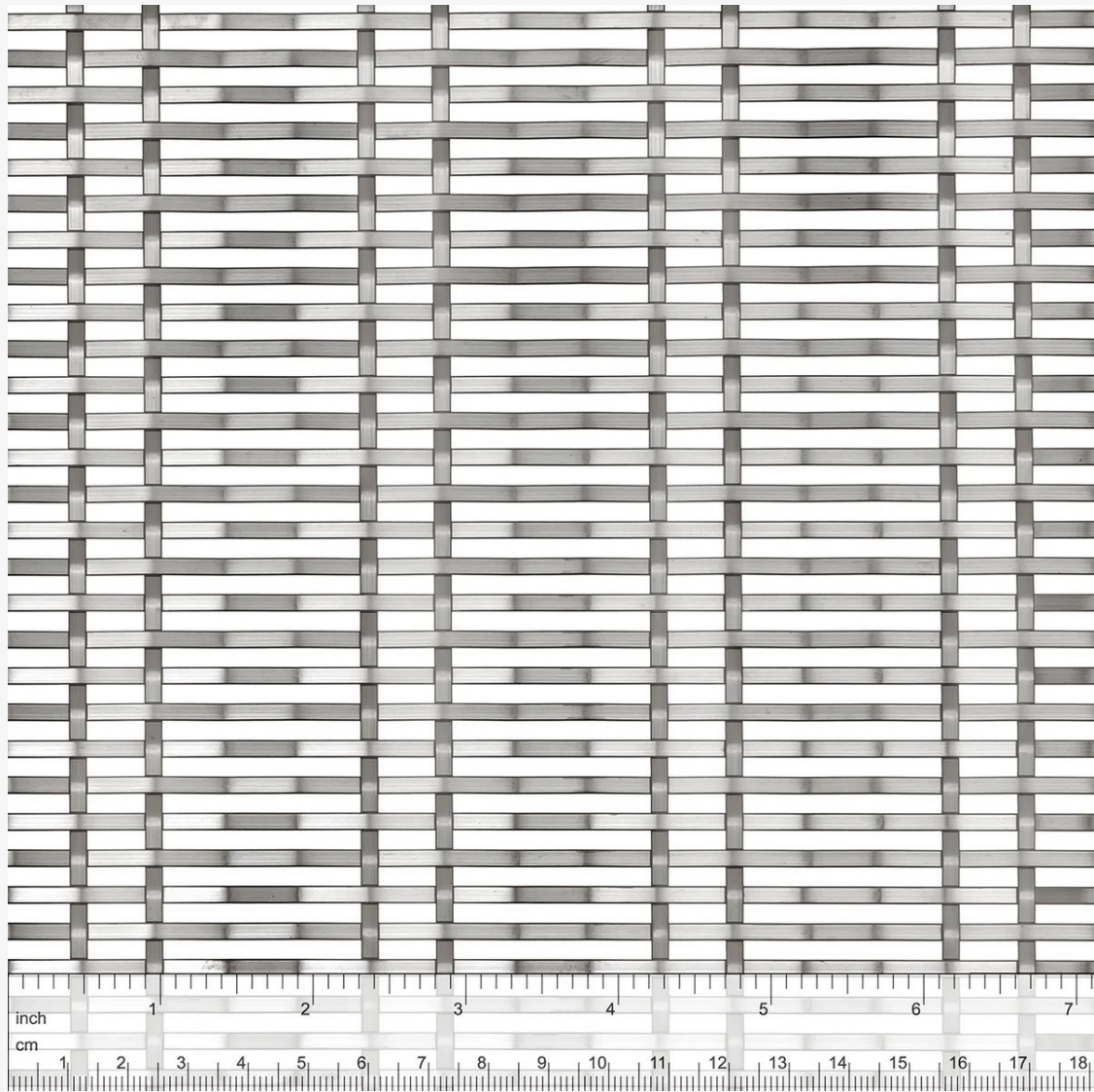
WEIGHT

~8,1 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 25 OF 35

# LARGO-PLENUS

2047

OPEN AREA

**~43%**

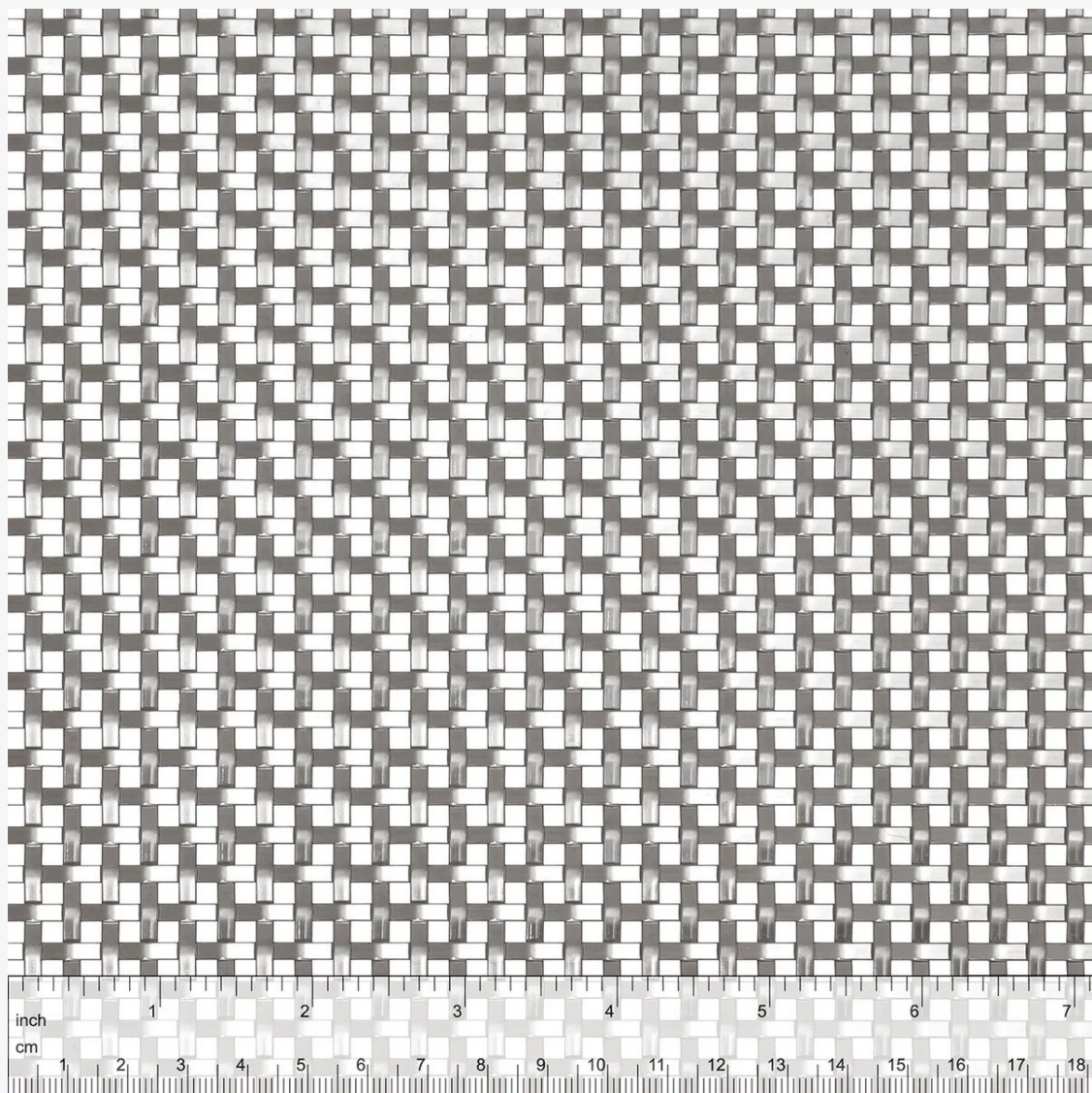
WEIGHT

**~5,1 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 26 OF 35

# LARGO-PLENUS

2127



OPEN AREA

**~28%**

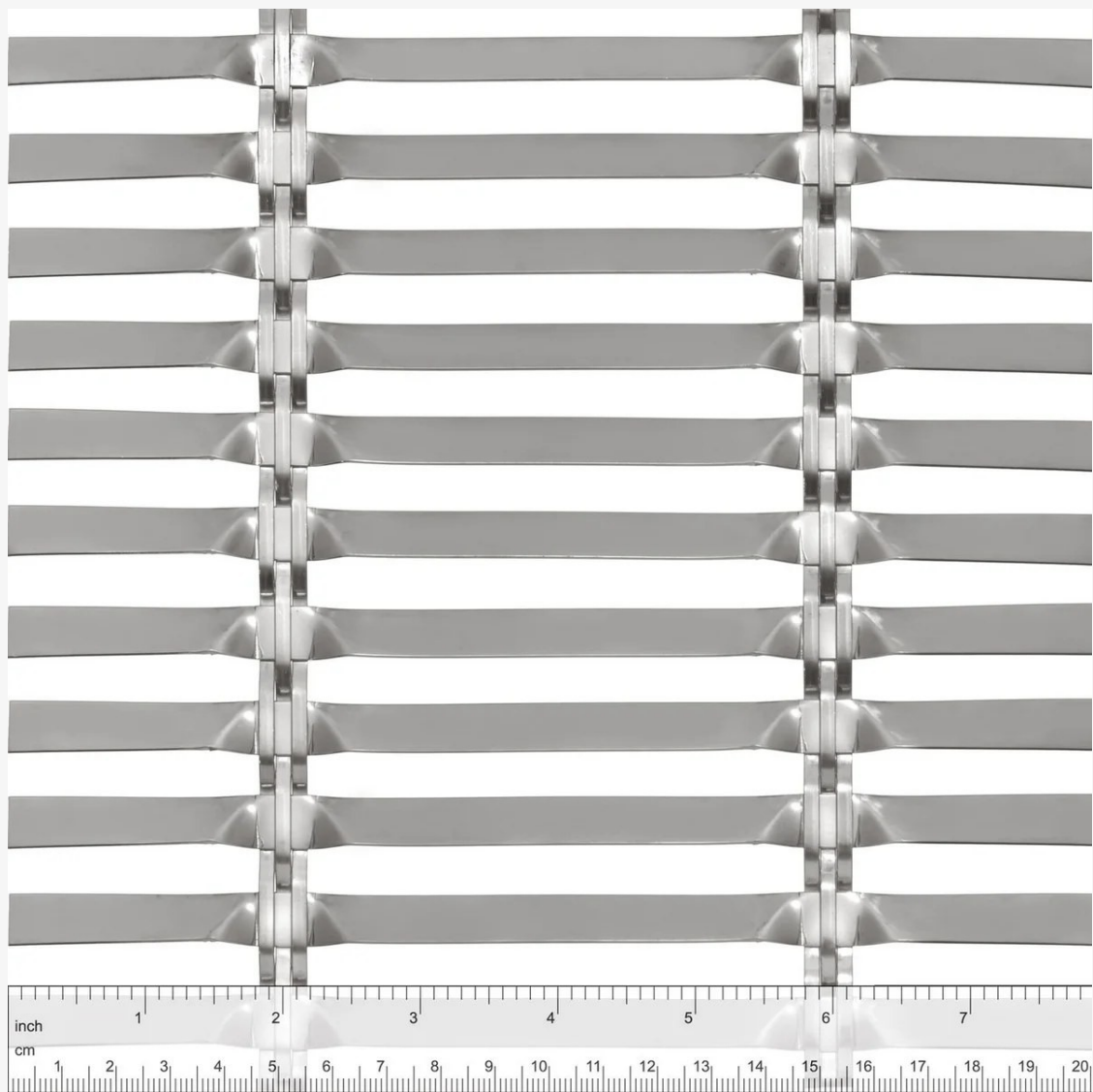
WEIGHT

**~7,45 kg/m<sup>2</sup>**

MAX. WIDTH

**~3,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 27 OF 35

# LARGO-TWIST

2045



OPEN AREA

~35%

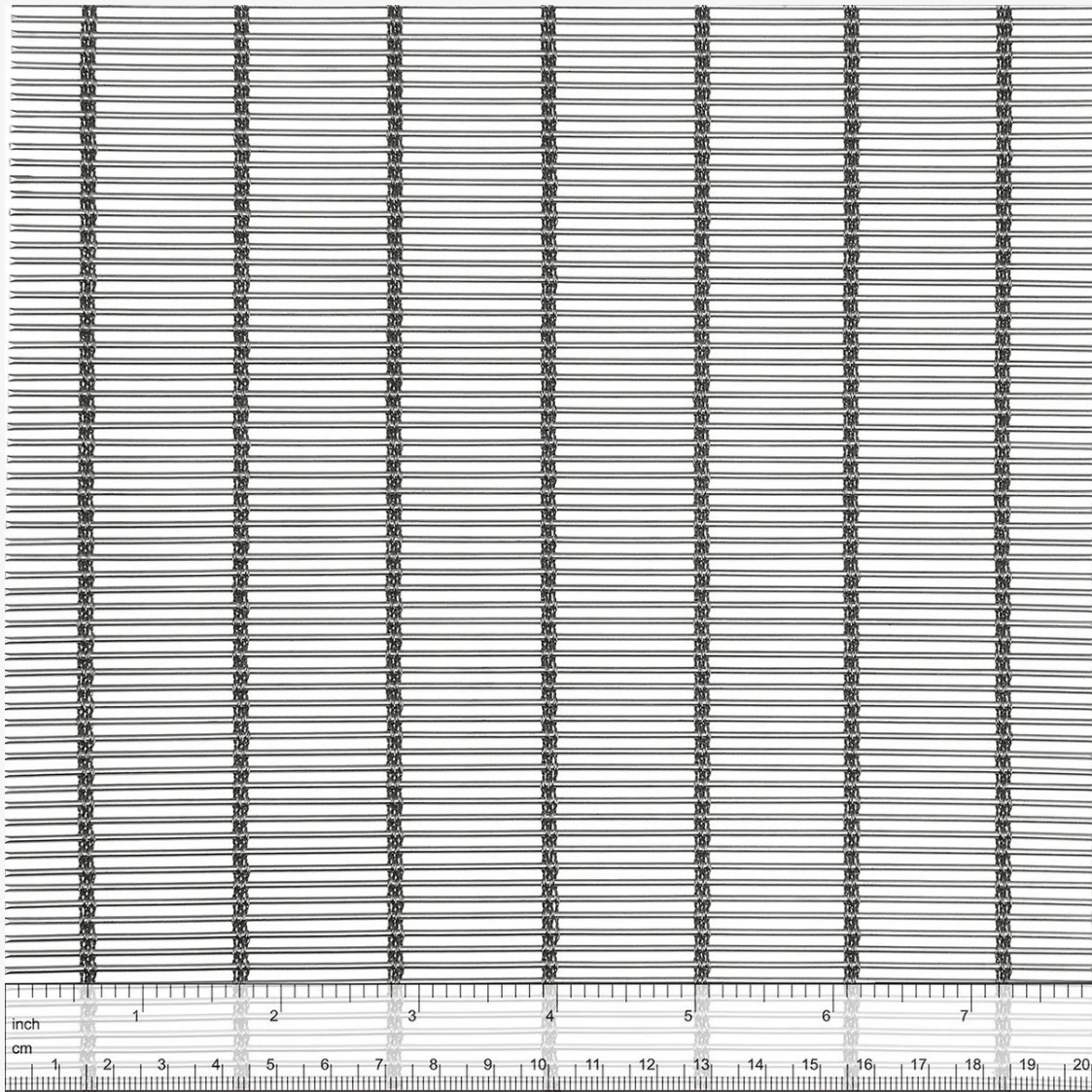
WEIGHT

~5,5 kg/m<sup>2</sup>

MAX. WIDTH

~3,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 28 OF 35

# MULTI-BARRETTE

8106



OPEN AREA

~45%

WEIGHT

~5,2 kg/m<sup>2</sup>

MAX. WIDTH

~2,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 29 OF 35

# MULTI-BARRETTE

8123

OPEN AREA

~64%

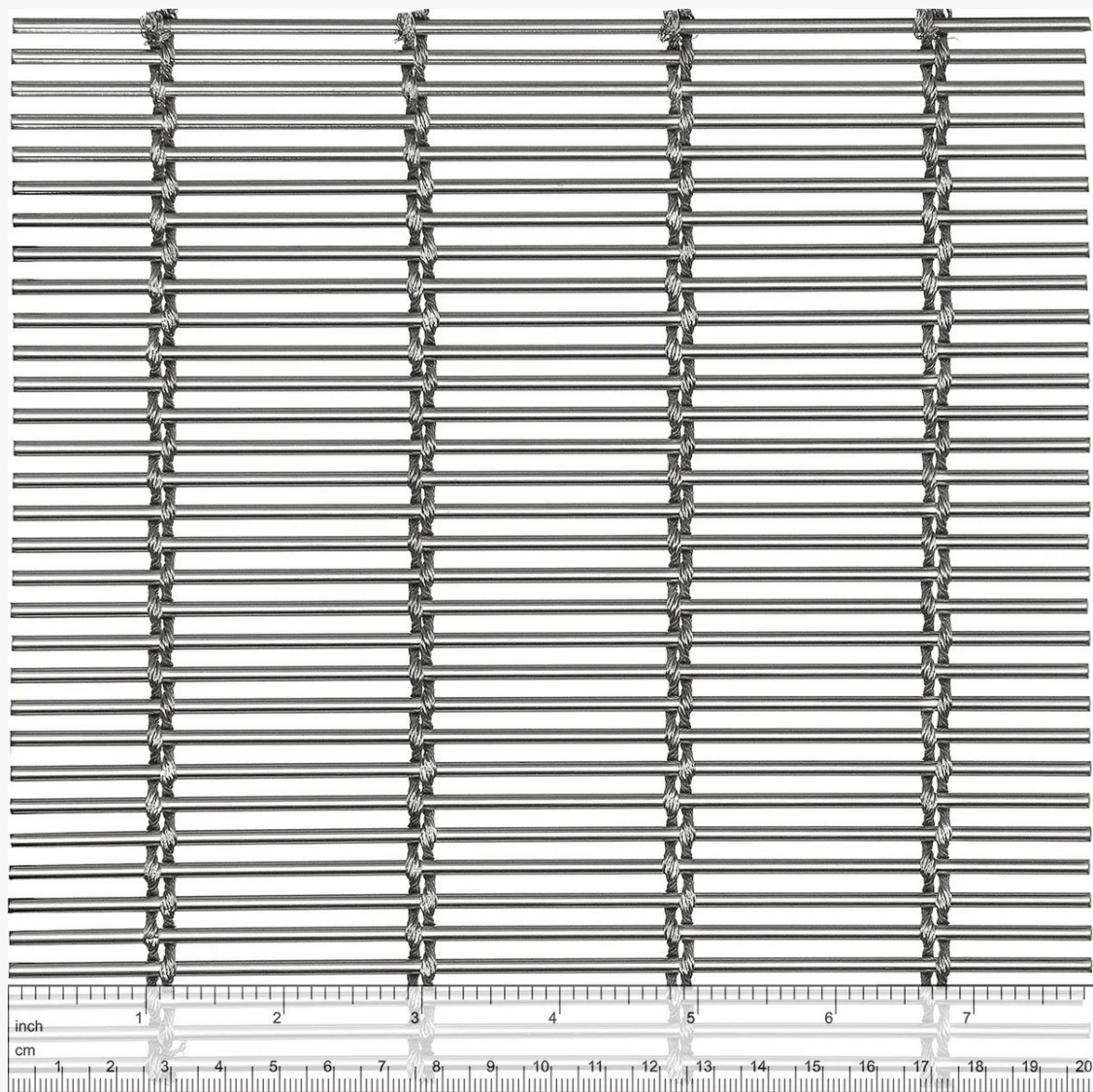
WEIGHT

~6,6 kg/m<sup>2</sup>

MAX. WIDTH

~4,0 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 30 OF 35

# MULTI-BARRETTE

8130



OPEN AREA

**~46%**

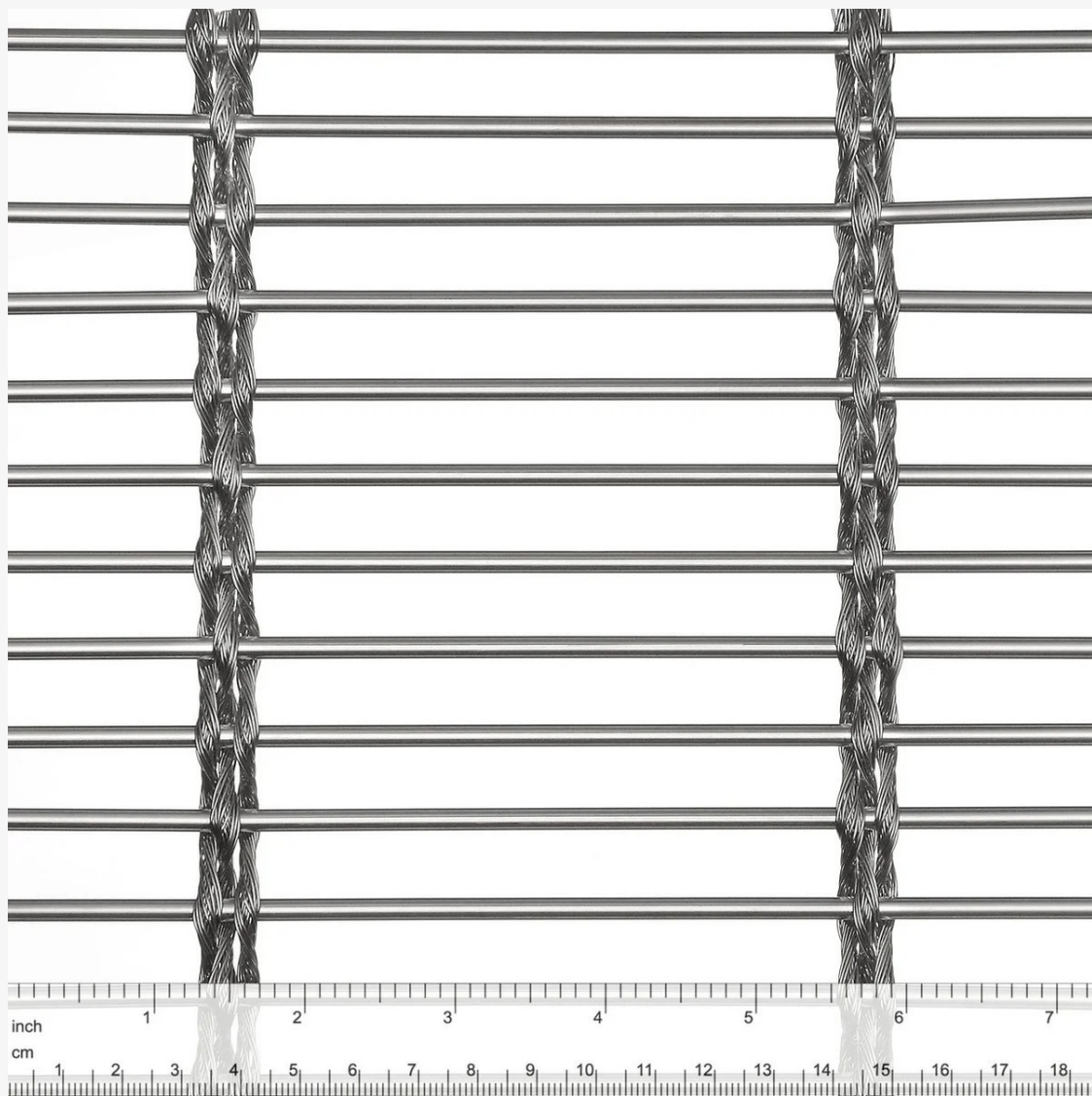
WEIGHT

**~10,2 kg/m<sup>2</sup>**

MAX. WIDTH

**~4,0 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 31 OF 35

# MULTI-BARRETTE

8301



OPEN AREA

~66%

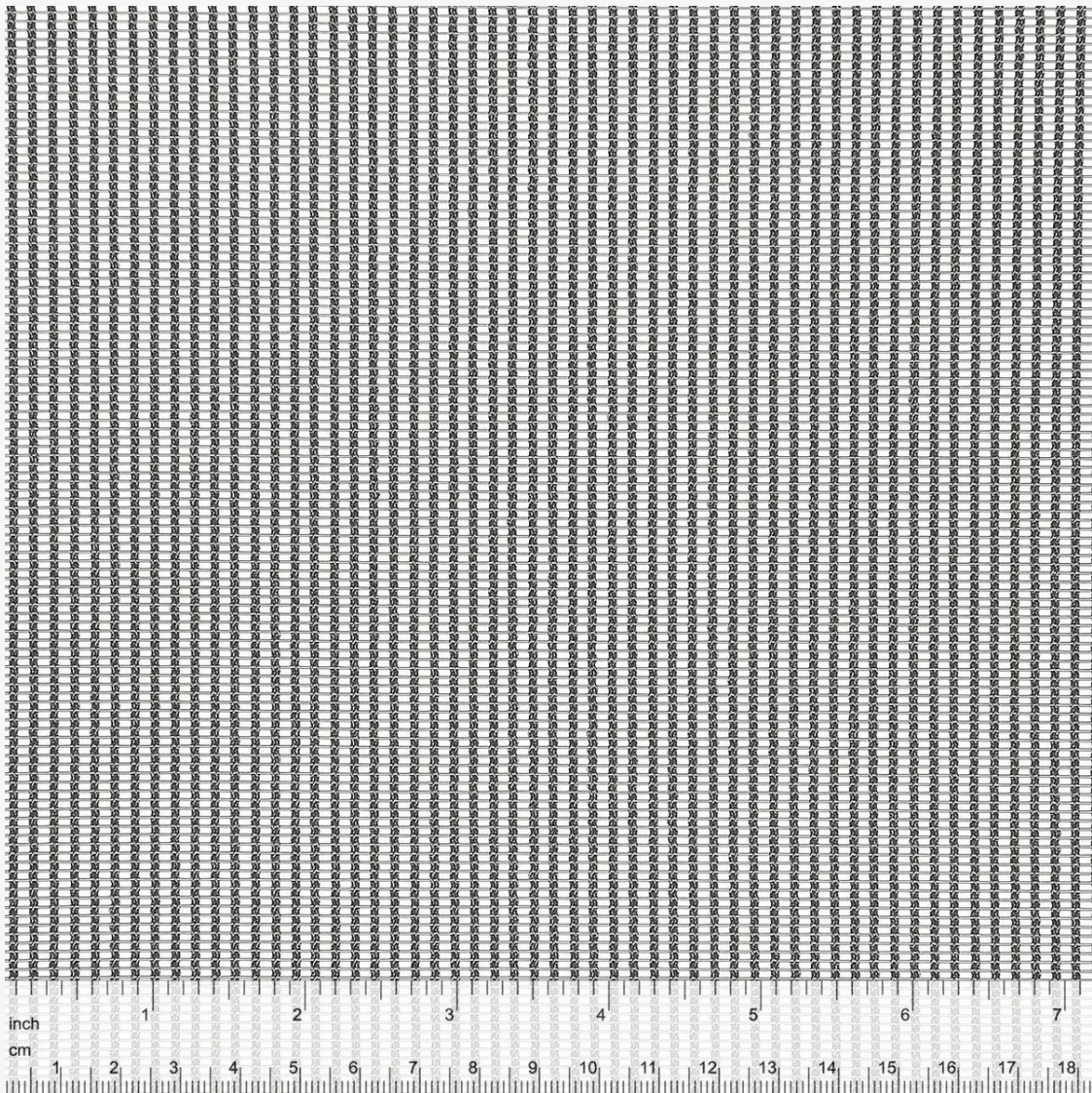
WEIGHT

~8,0 kg/m<sup>2</sup>

MAX. WIDTH

~4,0 m

Stainless steel woven mesh · multilingual H&B spec basis



# MINIFLEX

8135

OPEN AREA

~37%

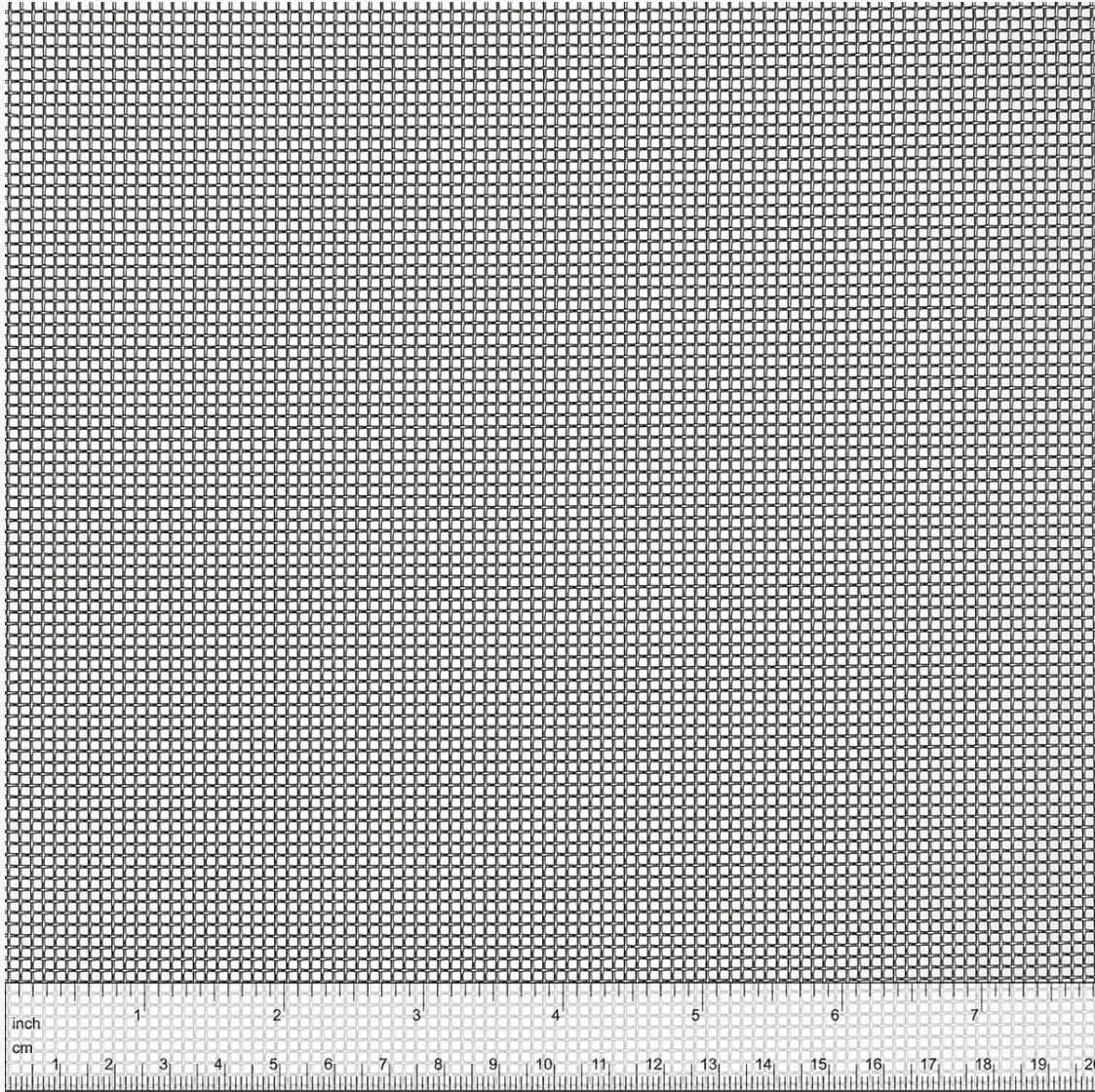
WEIGHT

~2,1 kg/m<sup>2</sup>

MAX. WIDTH

~1,8 m

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 33 OF 35

# DETENTION

7016



OPEN AREA

**~44%**

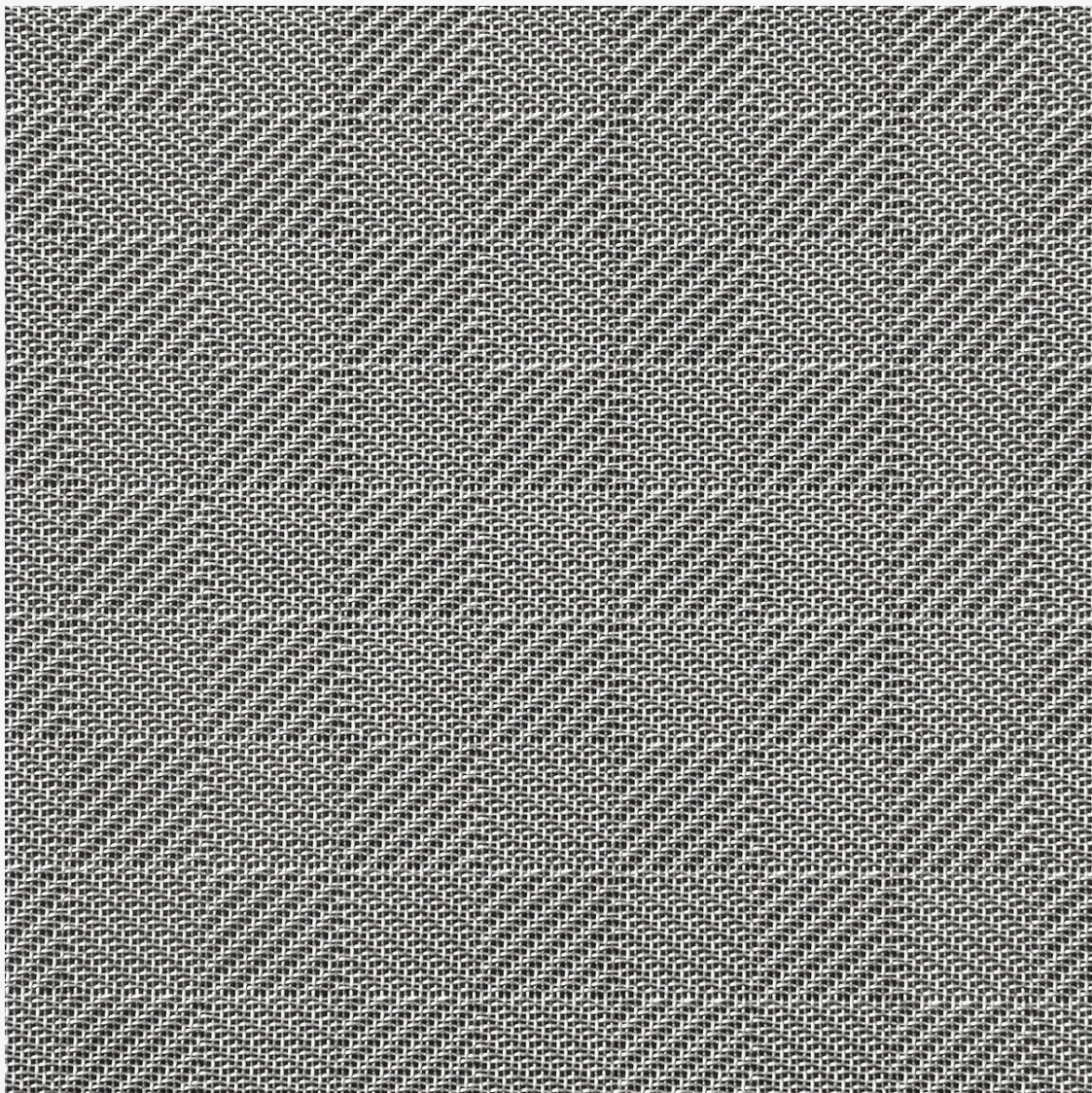
WEIGHT

**~3,0 kg/m<sup>2</sup>**

MAX. WIDTH

**~1,5 m**

Stainless steel woven mesh · multilingual H&B spec basis



07 / PRODUCT RANGE / 34 OF 35

# CHESS

6013



OPEN AREA

**~31%**

WEIGHT

**~3,2 kg/m<sup>2</sup>**

MAX. WIDTH

**~1,5 m**

Stainless steel woven mesh · multilingual H&B spec basis

# ALTERNA

6012

OPEN AREA

~34%

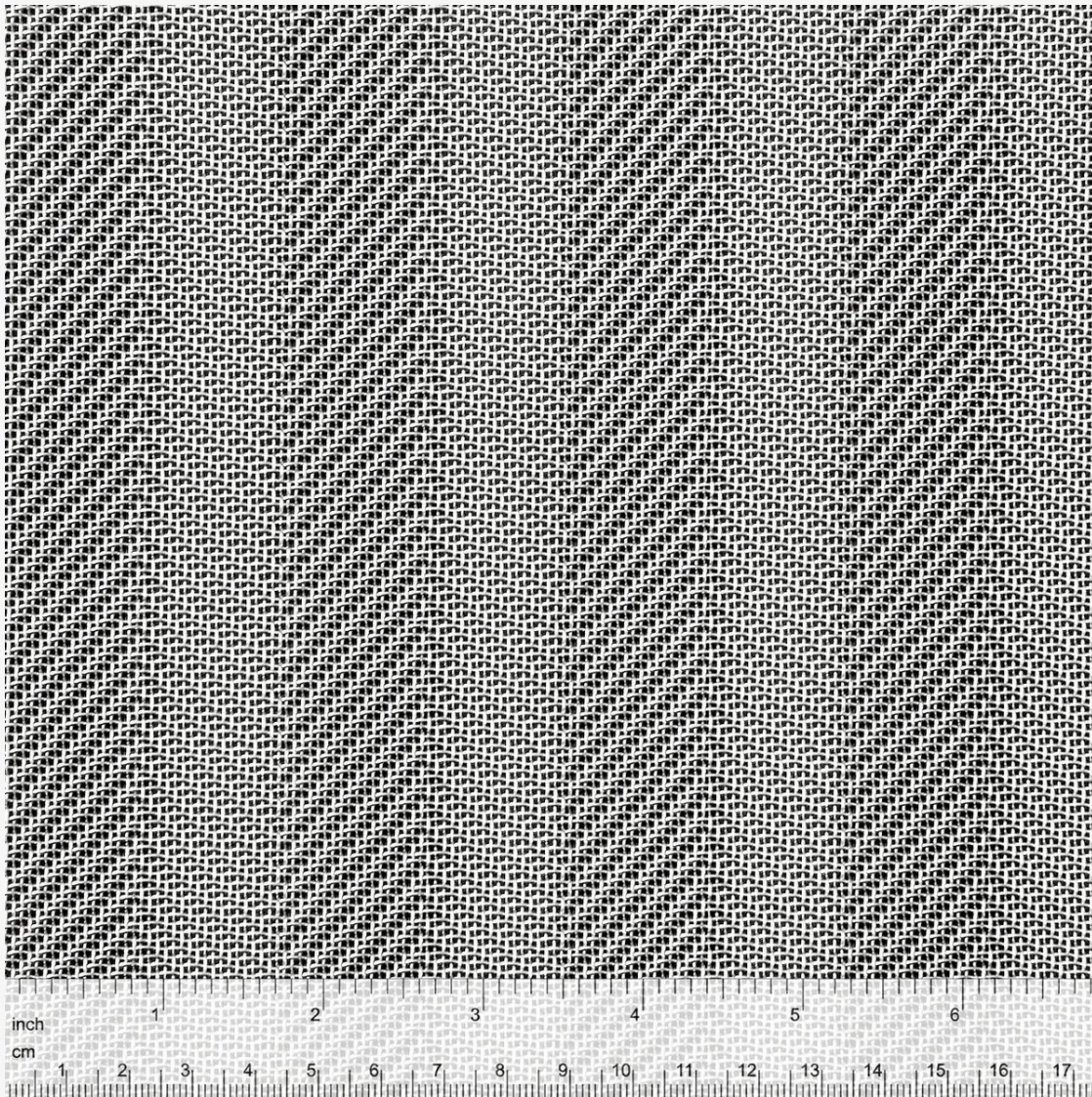
WEIGHT

~3,0 kg/m<sup>2</sup>

MAX. WIDTH

~1,5 m

Stainless steel woven mesh · multilingual H&B spec basis



# Specified to project.

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Every KAPHS wire mesh pattern is engineered to project — alloy, panel size, finish and fixing system selected against design intent, structural conditions and exposure.

## Materials

- 
- Stainless 316 / 316L
  - Stainless 304
  - Aluminium (anodised)
  - Brass / Bronze
  - Copper
  - Coated mild steel

## Mesh formats

- 
- Plain weave
  - Twill / spiral
  - Cable systems
  - Crimped / decorative
  - Custom geometry

## Panel sizes

- 
- Standard up to ~3.0 m wide
  - Up to 4.0 m on select weaves
  - Cut-to-size
  - Pre-tensioned panels

## Finishes

- 
- Mill (untreated)
  - PVD metallic coating
  - Anodised aluminium
  - Wet paint (RAL)



MIDDLE EAST

GET IN TOUCH

# Let's specify your next façade.

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