wirebelt®

THE TRUSTED METAL CONVEYOR BELT MANUFACTURER™

HONEYCOMB CONVEYOR BELTS

DURABLE & OPEN BELT DESIGN

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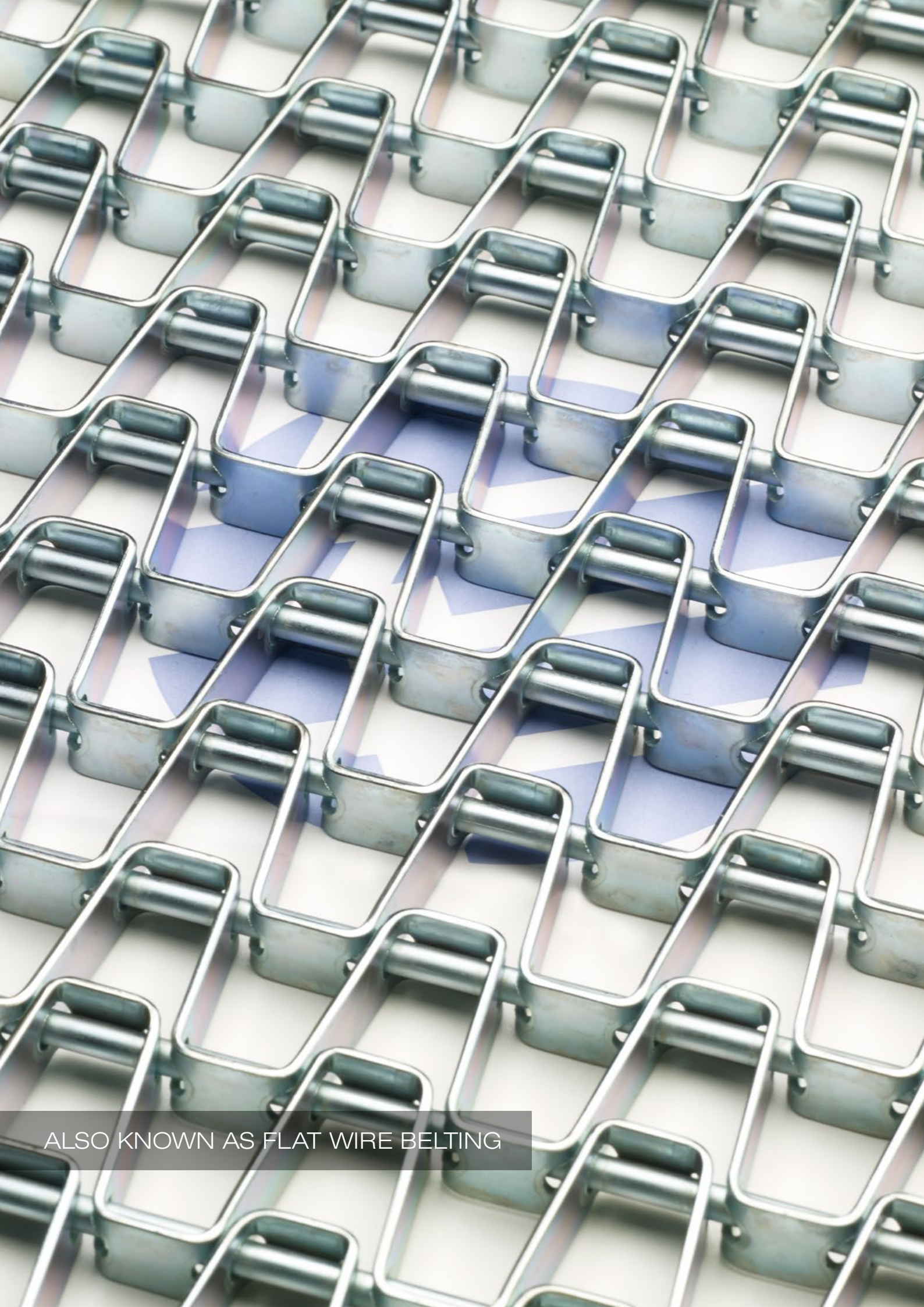

ALSO KNOWN AS FLAT WIRE BELTING

HONEYCOMB CONVEYOR BELTS

Honeycomb is an ideal choice for any application which requires both durability and an open belt design whilst maintaining a flat carrying surface. Its high strength-to-weight ratio also makes it an ideal choice for customers keen to improve their energy efficiency.

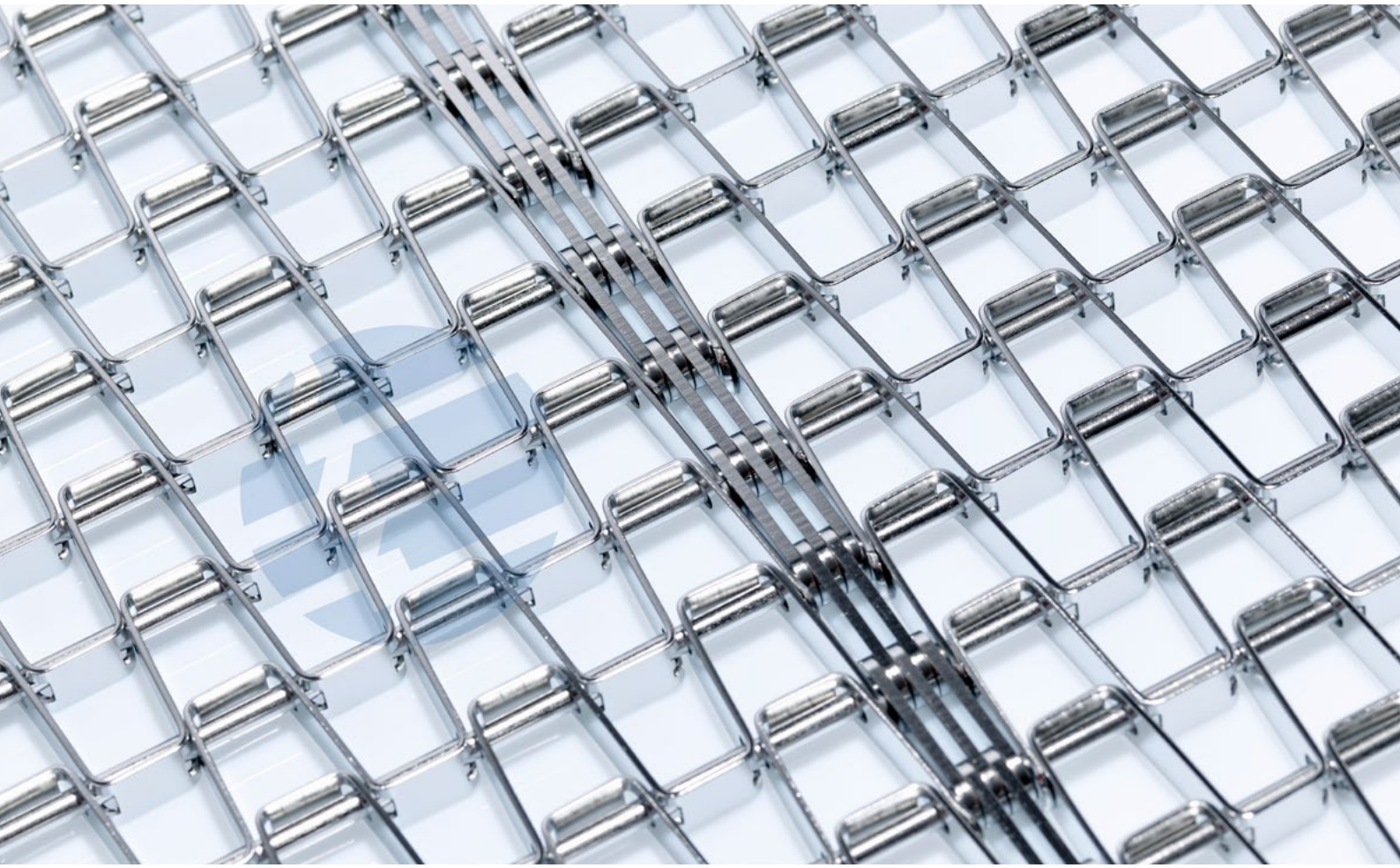
ADVANTAGES

- Open mesh construction for quick drainage and free air circulation
- Flat carrying surface
- Easy to clean
- Easy to join
- Economical
- High strength to weight ratio
- Positive sprocket drive

Honeycomb belting, also known throughout the industry as Flat Wire belting, is a straight-running belt with an extremely high strength-to-weight ratio. It is available in a wide variety of aperture configurations to suit applications as diverse as casting, baking, drainage, and packaging.

Honeycomb is constructed from formed flat wire strips connected by cross rods running through the width of the mesh. The rods are finished with either welded button edges or hooked edges.

It is a strong, lightweight, positively driven belt. A large open area makes this belt particularly suitable for processes such as washing, drying, cooling, cooking.



HONEYCOMB CONVEYOR BELTS

TYPICAL APPLICATIONS

- Transport
- Cooking
- Heating
- Drying
- Cooling
- Drainage
- Freezing
- Baking
- Washing
- Weed Clearing
- Turf Cutting
- Breading
- Packaging
- Sorting
- Recycling
- Elevating
- De-Elevating
- Loading
- Harvesting
- Canning
- Pastuerisation
- Painting
- Assembly
- Proofing

AVAILABLE BELT SPECIFICATIONS

Honeycomb belt is available in a wide range of specifications. The examples listed in the following tables are the most common. Belts can be up to 5 metres wide, alternative specifications are available, please contact our Technical Sales Engineers for information.

EUROPEAN STANDARD				
	Cross Rod Pitch (mm)	Nominal Lateral Pitch (mm)	Flat Strip (mm)	Cross Rod (mm)
ES001*	13.7	14.6	10x1	3
ES 003	26.2	15.55	12x1.2	4
ES 004	27.4	15.7	9.5x1.25	3
ES 006	27.4	24.7	9.5x1.25	3
ES 012	28.6	15	9.5x1.25	3
ES 013	28.6	26.25	9.5x1.25	3
ES 015	28.4	22.5	15x1.2	4

*Available button edge (welded washer) only

IMPERIAL STANDARD				
	Cross Rod Pitch (mm)	Nominal Lateral Pitch (mm)	Flat Strip (mm)	Cross Rod (mm)
IS 101A*	12.85	14.48	9.5x1.2	3
IS 101B*	13.72	14.48	9.5x1.2	3
IS 101C*	14.22	15.46	9.5x1.2	3
IS 102A	28.58	15.46	9.5x1.2	3
IS 102B	27.53	15.22	9.5x1.2	3
IS 102C	26.97	15.22	9.5x1.2	3
IS 103	28.58	26.19	9.5x1.2	3
IS 104	26.97	17.78	12.7x1.6	4.9
IS 105	26.97	25.4	12.7x1.6	4.9
IS 106	28.58	25.4	15.9x1.6	4.9
IS 107	38.1	38.1	15.9x1.6	4.9
IS 108	50.8	50.8	15.9x1.6	4.9
IS 109	76.2	76.2	15.9x1.6	4.9

*Available button edge (welded washer) only

Apart from the standard sizes above we are able to provide custom built specifications and the table below gives the framework of availability. Please contact our Technical Sales team to discuss availability in detail as further restrictions do apply to flat strip section size required.

INDIVIDUAL SPECIFICATIONS				
	Cross Rod Pitch		Edge Type	
Cross Rod Dia. (mm)	from (mm)	to (mm)	Welded	Clinched
3.00	12.7	30.0	•	
4.00	13.7	29.0	•	•
5.00	25.0	28.0	•	•

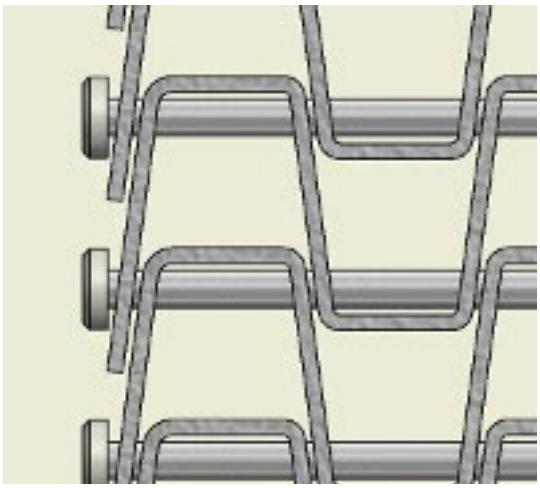
HONEYCOMB CONVEYOR BELTS

MATERIALS AVAILABLE

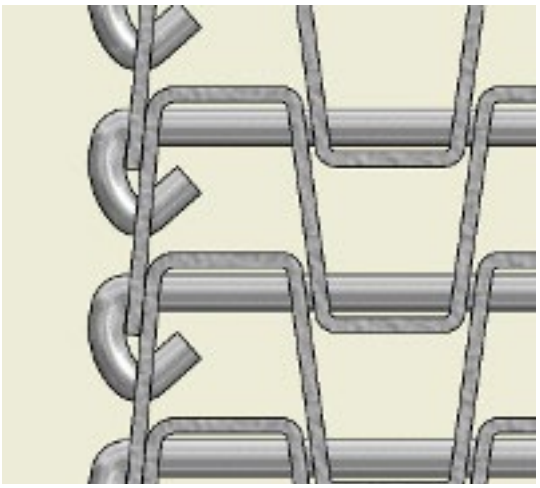
- Stainless Steel 1.4301 (304)
- Stainless Steel 1.4401 (316)
- Stainless Steel 1.4541 (321)**
- Stainless Steel 1.4828**
- Mild Steel
- Galvanised Mild Steel

** Limited specifications available.

BELT EDGES



Welded Button Edge



Clinched Edge

DRIVE COMPONENTS

When choosing the most appropriate sprocket material for your application, it is important to look at the conditions under which the belt will operate. Conditions such as abrasion, corrosion, high/low temperature variations, surrounding temperature, type of process performed, etc. all have an impact on sprocket selection.

SPROCKET MATERIAL

Available material types include:

- 'Oilon' (Polyamide Cast Nylon 6 – lubricated) FDA approved.
- PA6G (Polyamide Cast Nylon 6) FDA approved.
- Stainless Steel
- Mild Steel
- Cast Iron

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Distributed by:

Our policy is one of continuous improvement and we reserve the right to change specifications at any time and without notice, or modify these to suit manufacturing processes.

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