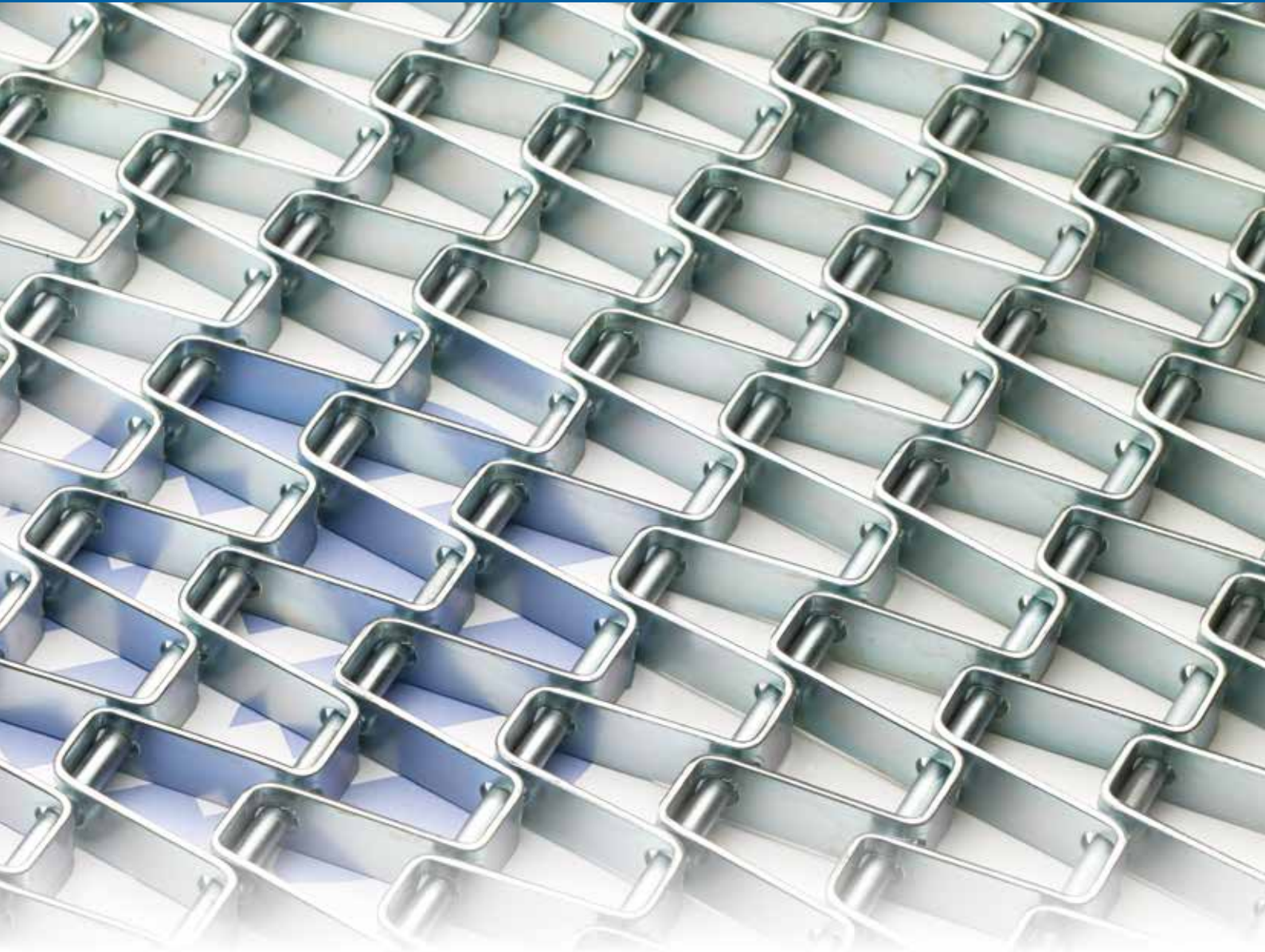




The Trusted Metal Conveyor Belt Manufacturer™



Honeycomb Conveyor Belts

Also known as Flat Wire belting

www.wirebelt.co.uk



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Honeycomb Conveyor Belts

Also known as Flat Wire belting

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.

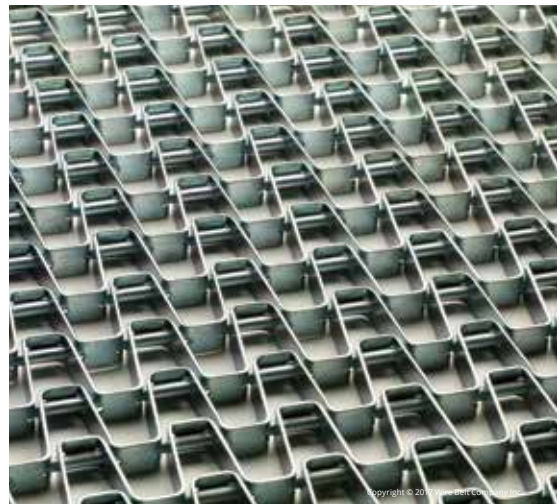
Advantages of Honeycomb include:

- Open mesh construction for quick drainage and free air circulation
- Flat carrying surface
- Easily cleaned
- Easily joined
- 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 and cooking.





Typical Honeycomb Applications

Honeycomb belt has many and varied uses, below is a list of typical applications. If you have an application that is not listed below, contact our Technical Sales Engineers to see if Honeycomb belts are right for your needs.

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



Pizza oven



Baking

HONEYCOMB CONVEYOR BELTS



Baking



Heating



Industrial



Canning

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	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

Individual Specifications

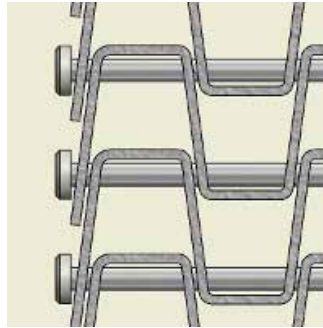
Apart from the standard sizes above we are able to provide custom built specifications and the table below gives the framework of availability. Please contact our Technical Sales team to discuss availability in detail as further restrictions do apply to flat strip section size required.

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

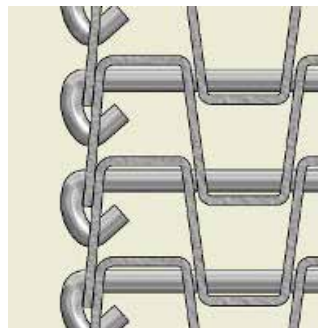
Materials Available

- 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 Materials:

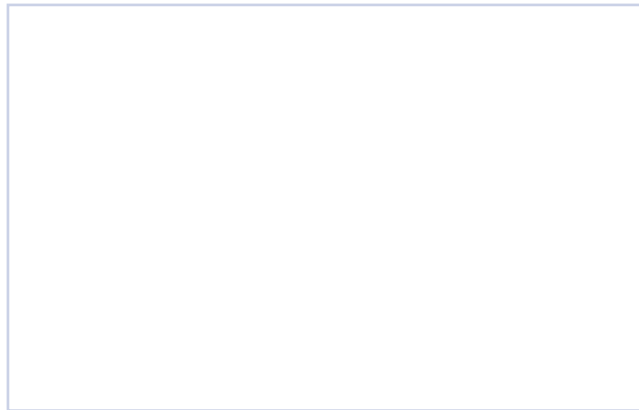
Available material types include:

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



The Trusted Metal Conveyor Belt Manufacturer™

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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

