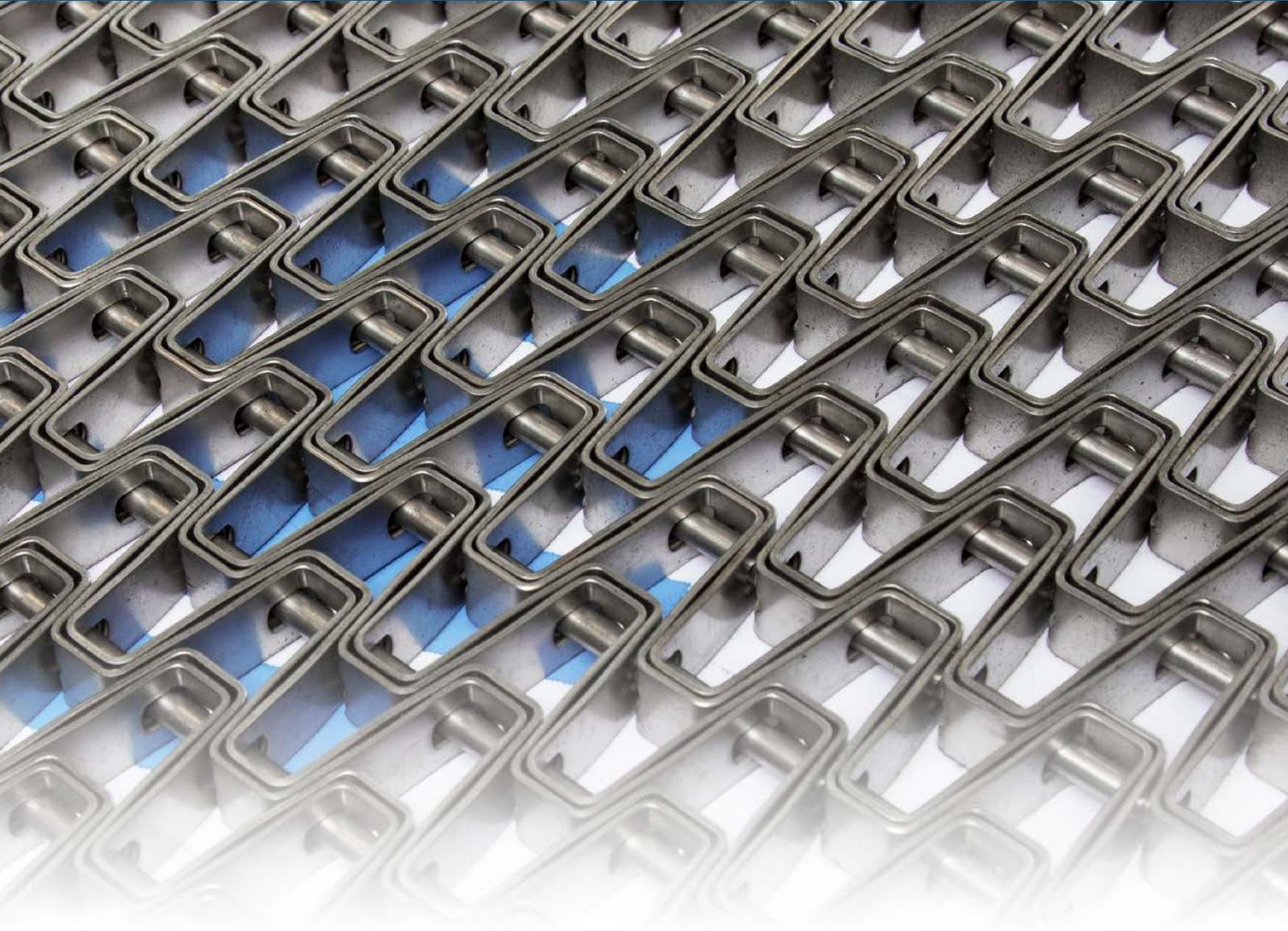




wirebelt®

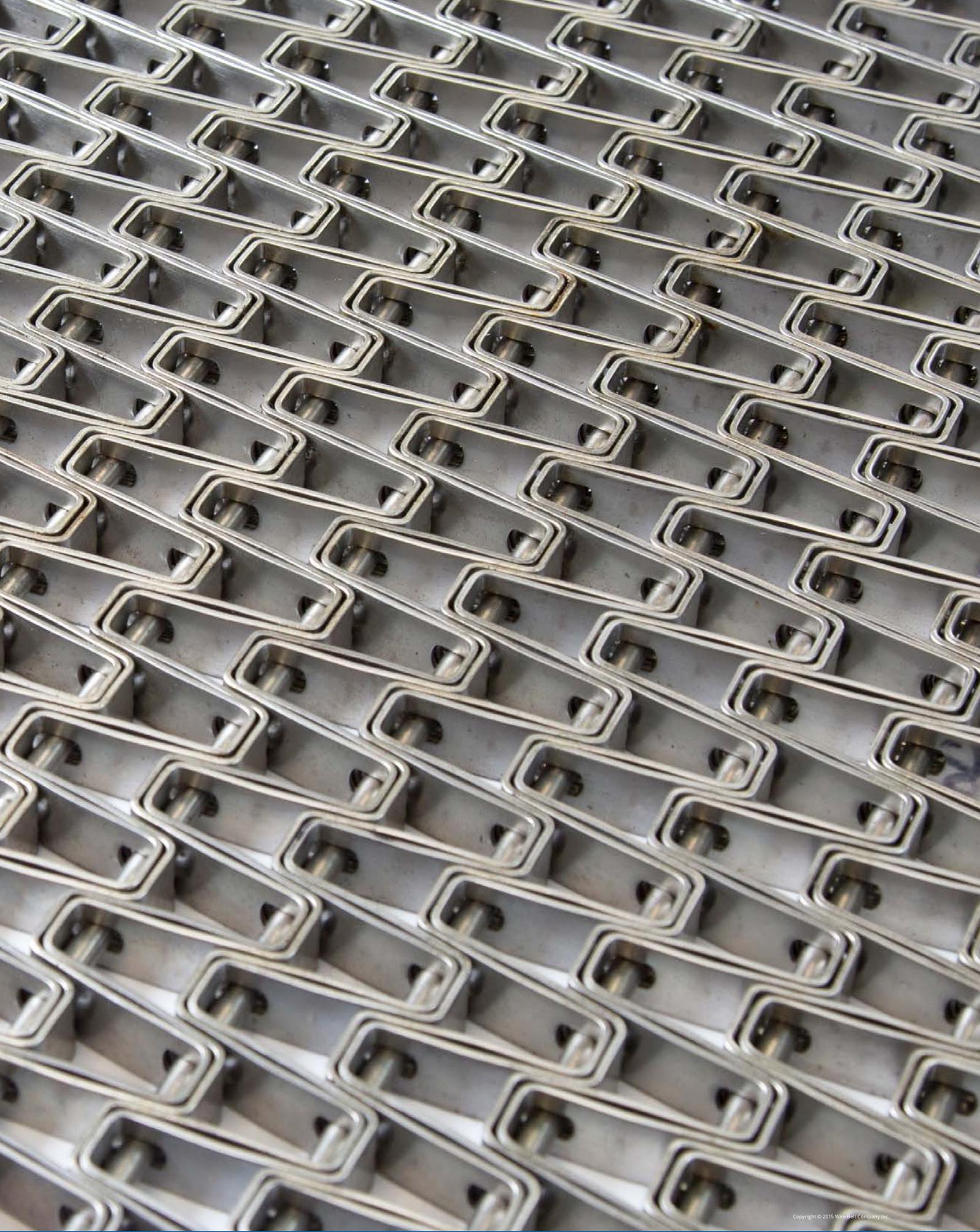
The Trusted Metal Conveyor Belt Manufacturer™



Duplex Honeycomb conveyor belts

A durable and open belt design

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Duplex Honeycomb conveyor belts

A durable and open belt design

Duplex Honeycomb is an ideal choice for any application which requires both durability and an open belt design, whilst maintaining a flat carrying surface. The Duplex arrangement of the castellated flat strip and increased cross rod size gives the belt high strength-to-weight ratio which makes it an ideal choice for customers having heavy loaded applications with a high demand for efficiency of operation.

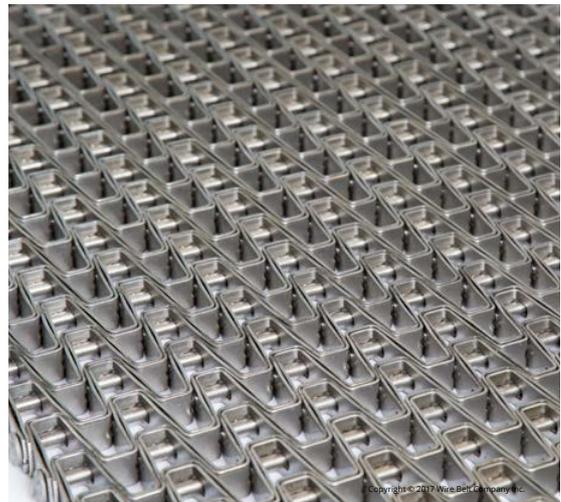
Advantages of Duplex Honeycomb include:

- 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

Duplex Honeycomb belting, also known throughout the industry as Duplex Flat Wire belting, is a straight-running belt with an extremely high strength-to-weight ratio. It is available in a single standard specification having a nominal aperture size of 21mm wide x 26mm long.

Duplex Honeycomb is constructed from twin sets of formed flat wire strips connected by cross rods running through the width of the mesh. The duplex arrangement of flat wire strips having a 22.23mm depth produces a very stable belt construction. The cross rods are finished at the edges with a welded washer or nut.

The belt has a very high strength rating and is positively driven by means of specially developed sprockets. The large open area with high strength makes this belt particularly suitable for processes such as the handling of castings or similar in both hot and ambient conditions.





Typical Duplex Honeycomb Applications

Duplex 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.

- Freezing
- Blanching
- Dewatering
- Cooling
- Quenching
- Pasteurising
- Washing
- Degreasing
- Drying
- Industrial Ovens
- Heavy Duty Industry



DUPLEX HONEYCOMB CONVEYOR BELTS

Belt Specifications

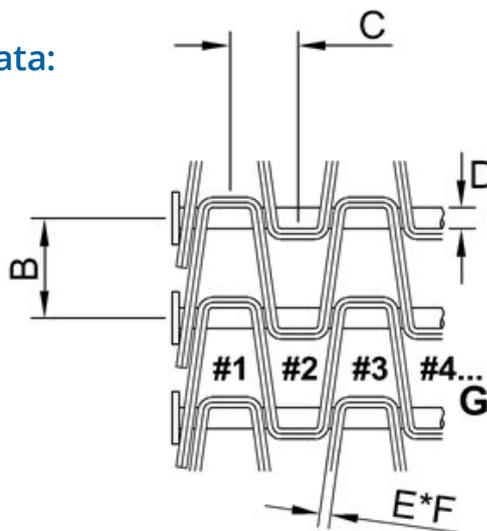
Duplex Honeycomb belt is available in a single specification as described below. The belt is available in incremental widths from 300mm to 1537mm wide. Please contact our Technical Sales Engineers with information regarding your application.

Belt Code:	IS 125
Specification:	38.1 - 25.78 (NOM) - 22.23 x 2/2.03 - 7.94
Minimum Width (A):	300mm
Maximum Width (A):	1537mm
Longitudinal Cross Rod Pitch (B):	38.1mm
Nominal Lateral Pitch (C):	25.78mm nominal
Cross Rod Dia (D):	7.94mm
Belt Thickness (E):	22.23mm
Flat Strip Thickness (F):	2 x 2.03mm
Selvedge Finish:	Welded washer /Threaded with welded nut
Nominal Open Area:	58%
Belt Weight:	48.5 Kg/m ²
Maximum Belt Pull:	Up to 13391 Kgf/mtr width*
Product Loading Capacity:	Up to 610 Kg/m ² **
Available Materials:	Mild Steel, Zinc Plated Mild Steel, St/Stl 1.4301 (304) alt. 1.4404 (316L)
Operating Temperature Range:	Sub Zero to +700°C

* Dependent upon operating temperature but can be exceeded if duplex sprockets, having twin rows of teeth, are used to drive in every drive space of the belt.

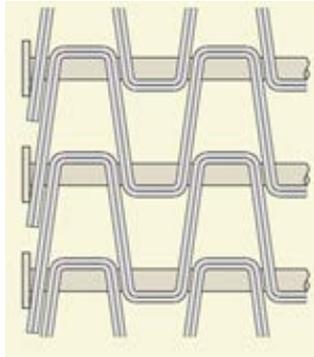
** Dependent upon material, operating temperature, belt support arrangement and conveyor length.

Duplex Honeycomb Belt Data:

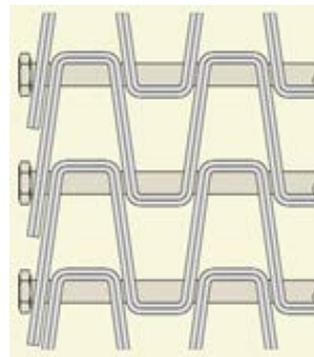


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Belt Edges:



Welded Washer



Welded Nut

Drive Components:

The drive sprockets are only available in the following sizes.

Sprocket Data:

No. of Teeth	P.C.D (mm)	Bore	
		Min (mm)	Max (mm)
26	313.97	44.45	152.4
30	362.08	44.45	203.2
34	410.18	44.45	254

Face width through bore: 40mm or 50mm

Materials Available:

Available material types include:

- Mild Steel
- Cast Iron
- St/Stl 1.4305 (303)

Sprocket Style:

a) Standard Simplex – single tooth row.

b) For very heavily loaded applications sprockets with twin rows of teeth (duplex) may be required. Check with Technical Sales with details of your application



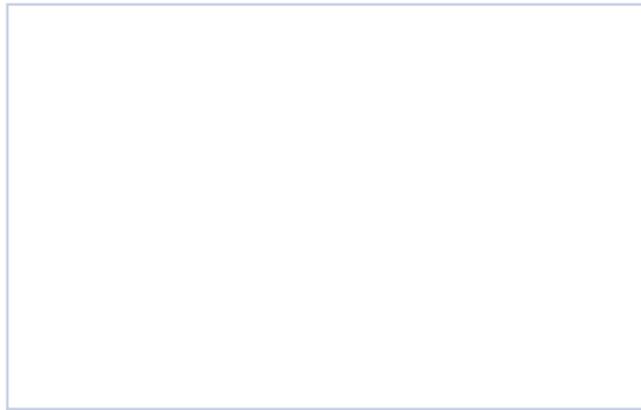
DUPLEX HONEYCOMB CONVEYOR BELTS

Notes:



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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