

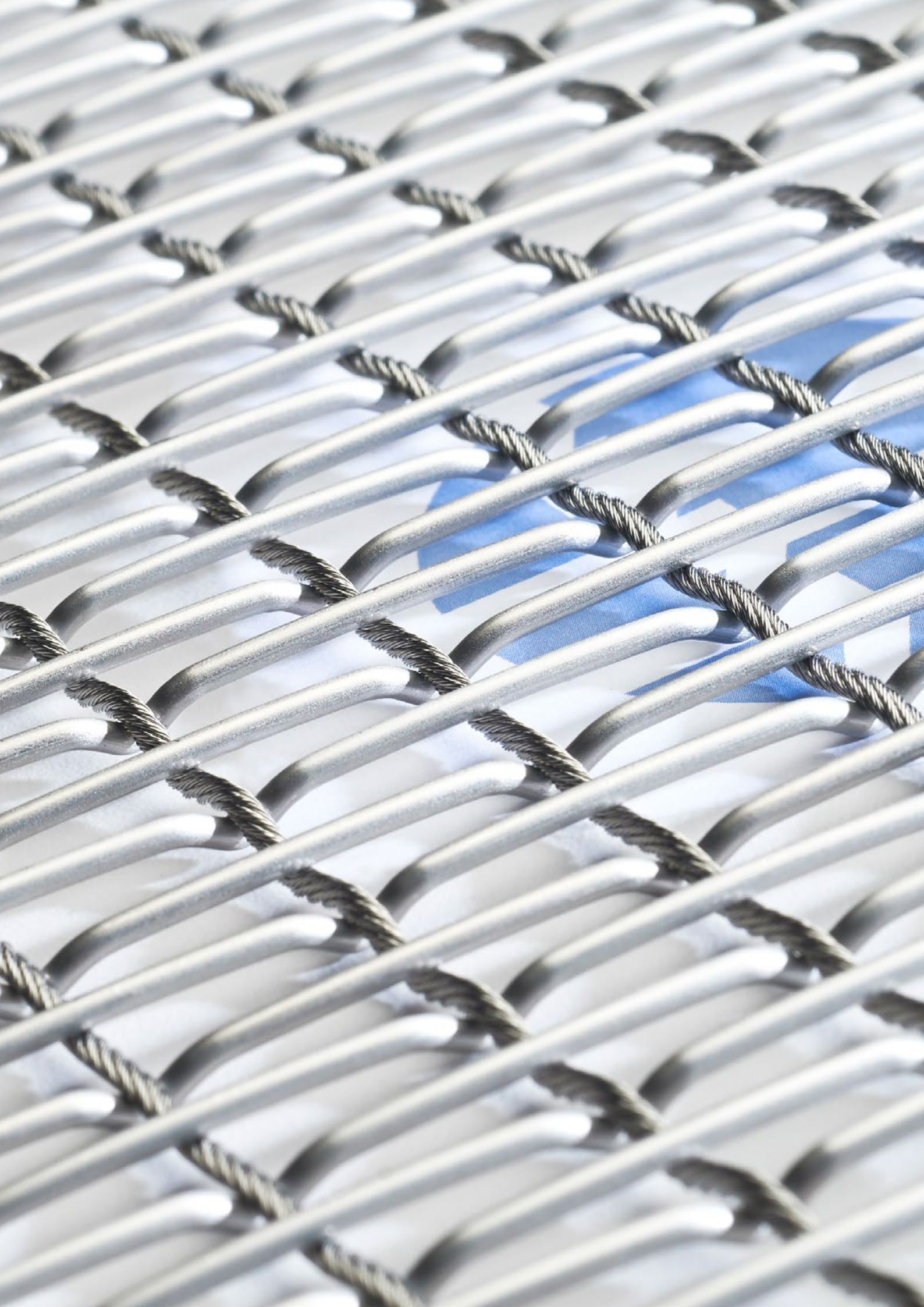
## SELF TRACKING **BELT**

A VERY VERSATILE BELT

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[WWW.WIREBELT.CO.UK](http://WWW.WIREBELT.CO.UK)





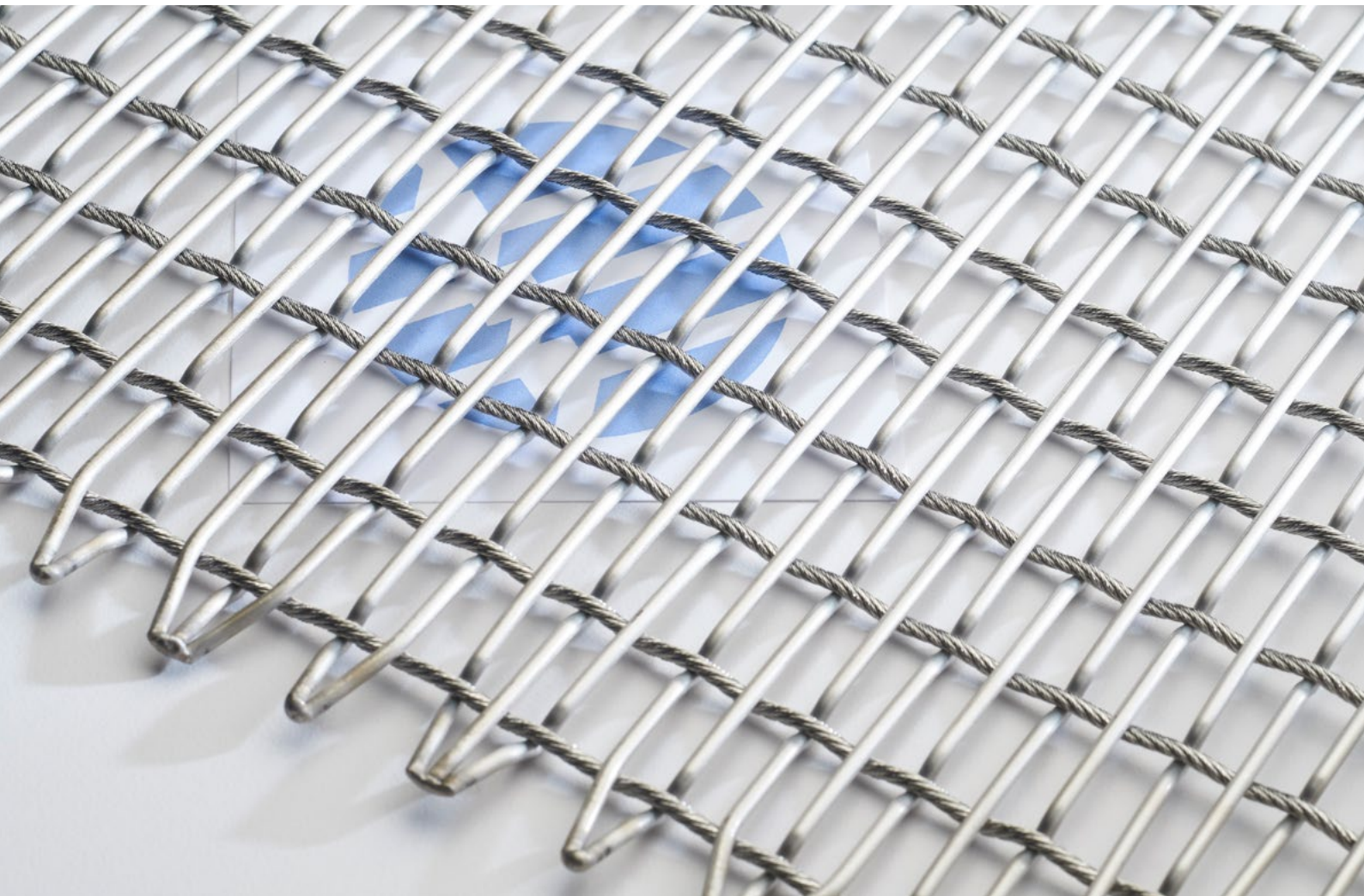
# SELF TRACKING BELT

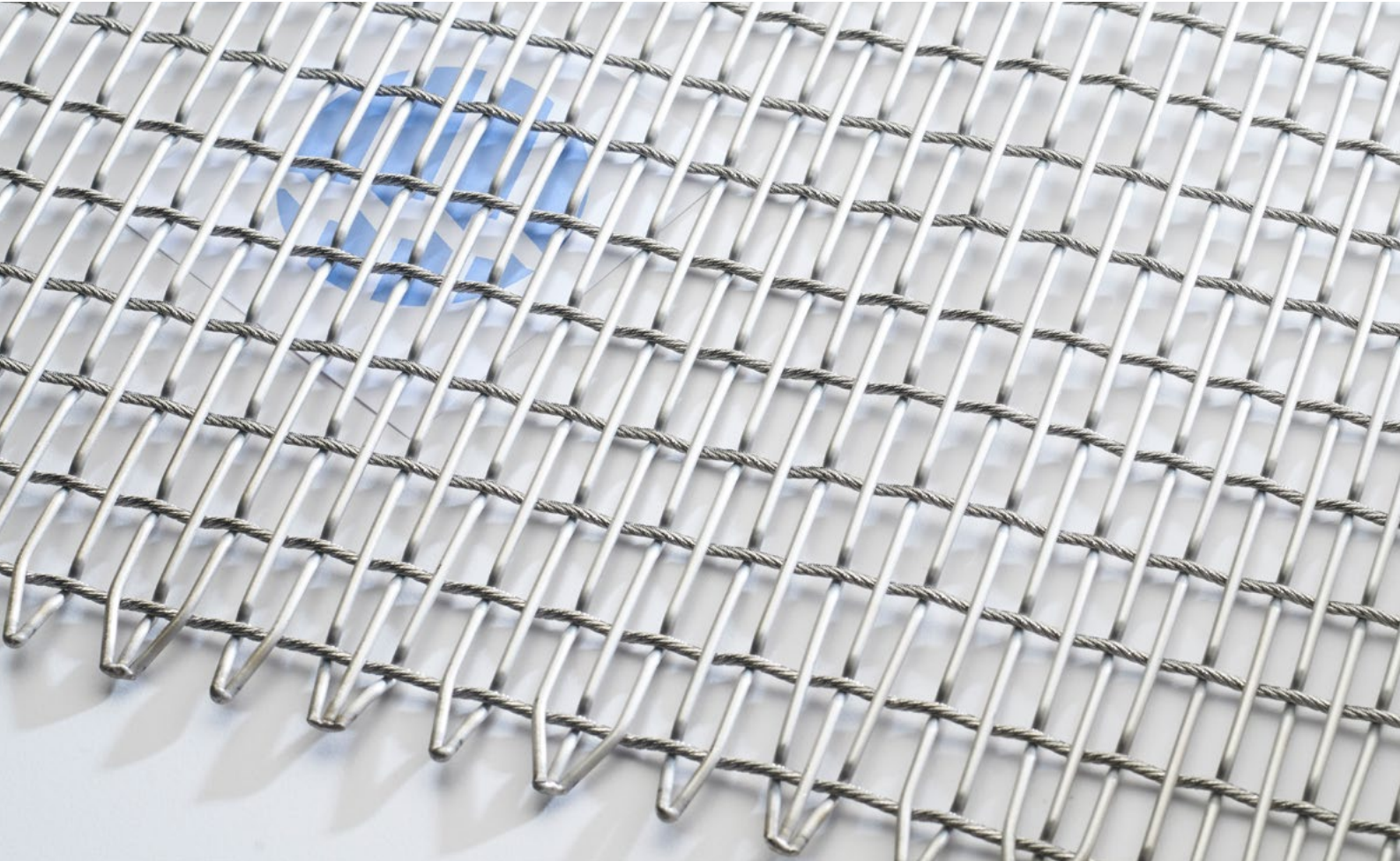
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This type of belting is used in a wide variety of industries, including food and pharmaceuticals, chemicals, plastics, and polymers.

## ADVANTAGES

- Self-Tracking: the belt does not need any tracking or steering device as this is built into the design of the belt itself.
- No stretching: the longitudinal wires are made from pretensioned cables; therefore, the stretching of the belt is reduced even under high tensioning.
- No wear: the more sensitive cable wires do not touch the rollers; they are safely located in the V-shaped sections of the solid cross wires.
- High Flexibility: the flexibility of the cable in the running direction considerably improves the resistance to metal fatigue, even at high speed on small diameter pulleys.





## SELF TRACKING BELT

### TYPICAL APPLICATIONS

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Self Tracking 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 Self Tracking Belt is the right belt for your needs.

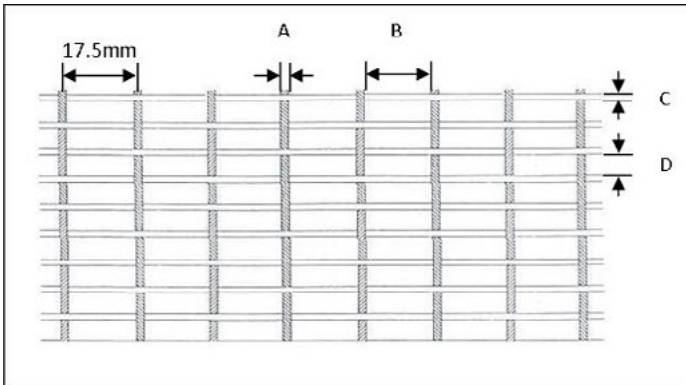
- Transport
- Cooking
- Heating
- Drying
- Cooling
- Drainage
- Frying
- Baking
- Curing
- Elevating
- De-Elevating



# SELF TRACKING BELT

## BELT DATA

### BELT MESH CONSTRUCTION



A – Warp Cable

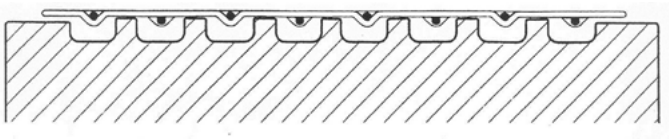
B – Warp Gap

C – Weft Wire

D – Weft Gap

Self-Tracking belt is constructed with weft (cross) wire strands, having 'V' forms on the underside of the belt. These forms secure the warp cables (running longitudinally) in place and engage with grooves, in the end rollers, to give the belt its self-tracking characteristic.

### WIDTH AVAILABILITY



Self-Tracking belt (STB) is available in widths up to 3,000mm; open areas from 0% to nearly 70% are possible. With a flat surface and minimal opening between wires possible, it is particularly suitable for small and delicate products.

## AVAILABLE BELT SPECIFICATIONS

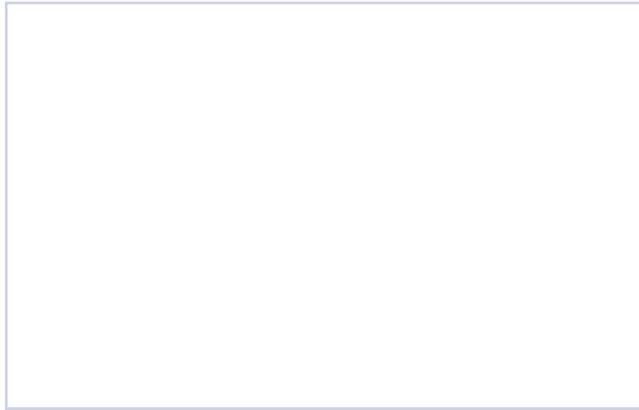
Warp Cable Diameter (mm)	Warp Gap (mm)	Weft Wire Diameter (mm)	Weft Gap (mm)	Open Area (%)	Belt Weight (kg/m <sup>2</sup> )
2.0	15.5	1.5	0.0	0	10.5
2.0	15.5	1.5	0.2	10	9.4
2.0	15.5	1.5	0.4	19	8.5
2.0	15.5	1.5	0.6	25	7.8
2.0	15.5	1.5	0.8	31	7.2
2.0	15.5	1.5	1.0	35	6.7
2.0	15.5	1.5	1.2	39	6.3
2.0	15.5	1.5	1.5	44	5.7
2.0	15.5	1.5	1.8	48	5.3
2.0	15.5	1.5	2.0	51	5.0
2.0	15.5	1.5	2.5	55	4.5
2.0	15.5	1.5	3.0	59	4.1
2.0	15.5	1.5	5.0	68	3.1
2.0	15.5	2.0	2.0	44	7.6
2.0	15.5	2.0	3.0	53	6.0
2.0	15.5	2.0	5.0	63	4.6
2.0	15.5	2.0	6.0	66	4.1
2.8	14.7	2.0	5.0	60	5.4
2.8	14.7	2.0	8.0	67	4.3
2.8	14.7	2.5	6.0	59	6.4
2.8	14.7	2.5	8.0	64	5.6
2.8	14.7	2.5	10.0	67	4.9

## BELT MATERIALS AVAILABLE

Self-Tracking Belt is supplied in 316SS (1.4401) stainless steel as standard, but other grades are available on request.



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.

