

METAL CONVEYOR BELTS FOR HIGH TEMPERATURE APPLICATIONS

Costacurta manufactures metal conveyor belts made of wires for continuous process heat treatments furnaces operating up to 1150 °C (2100 °F).

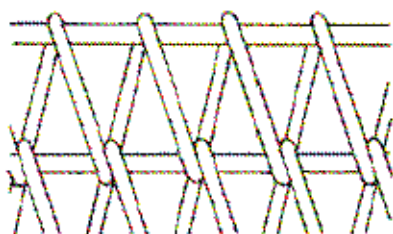
The applications of these conveyor belts, mainly in the metallurgical and automotive industries, are:

- Hardening
- Annealing
- Normalising
- Sintering
- Brazing
- Carburizing
- etc.

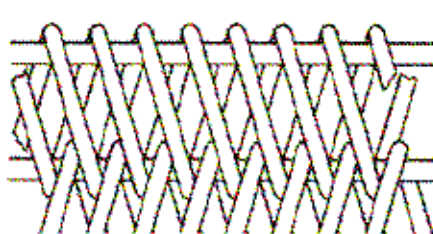
MATERIAL OF CONSTRUCTION FOR CONVEYOR BELTS		
DESIGNATION	PHYSICAL PROPERTIES	
	Specific Gravity @ 20°C	Max. allowable Temperature
S.S. 25/20 AISI 314	7.98 Kg/dm ³	1150 °C
Ni-Cr 37/18	7.95 Kg/dm ³	1150 °C
Ni-Cr 37/18 Cb	7.95 Kg/dm ³	1150 °C
Ni-Cr 80-20	8.4 Kg/dm ³	1150 °C
Inconel 601	8.51 Kg/dm ³	1150 °C
Inconel 600	8.44 Kg/dm ³	1150 °C

- Costacurta manufactures different types of belts for heat treatments:

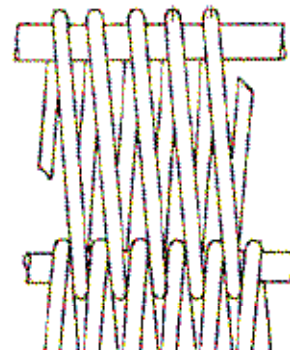
VICO-MC



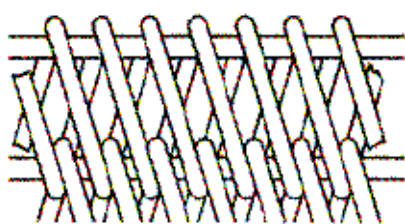
VICO-AD



VICO-TU



VICO-CD



VICO-MP



VICO-MB



Costacurta S.p.A.-VICO

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Capitale Sociale € 2.500.000,00 L.v.

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Società soggetta all'attività di
direzione e coordinamento di
PM Finanziaria S.p.A.

VICO-TU®

METAL CONVEYOR BELTS FOR HIGH TEMPERATURE

This type of belt consist of closely-wound alternating right and left hand wire spirals connected together by straight connector wires.

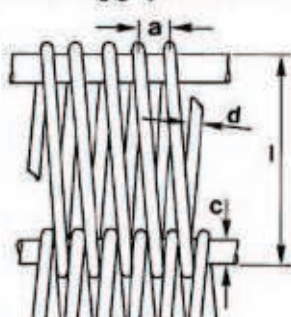
Most common selvages on the VICO-TU® belts are:

W = Welded selvages

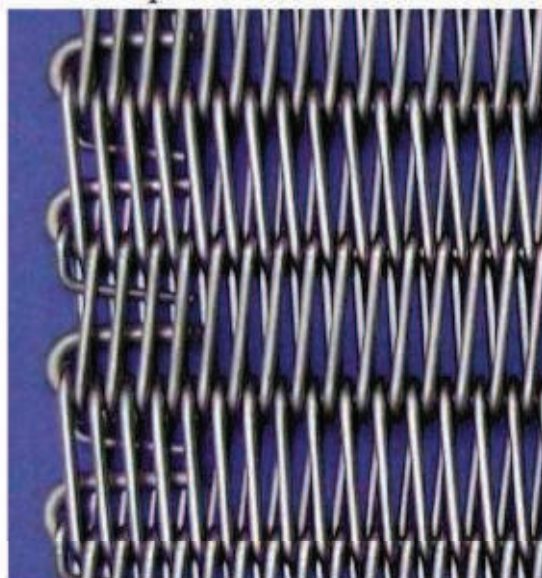
L = Ladder selvages

K = Knuckled selvages

Costacurta can supply belts to meet any particular specification or needs of the client.



	FROM	TO
a = Spiral wire pitch (mm)	1,7	16
l = Internal spiral wire spacing (mm)	5,5	65
d = Spiral wire diameter (mm)	0,6	6,5
c = Connectors wire diameter (mm)	1	7



Picture 1: VICO-TU-K-75-380-32-50-R

ADVANTAGES:

- A flat and uniform surface of the belts due to flat spirals that reduces the elongation caused by thermal expansion.
- A longer turn of wire at both spiral ends so to reduce the tensions that may cause breakage at the edges of the belt (see picture 1).
- An increase of belt average lifetime
- Competitive prices

For any further information you may require, please see our metal conveyor belt catalogue.

Our technical department is at your disposal to evaluate specific belt features and any special requirements.

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