

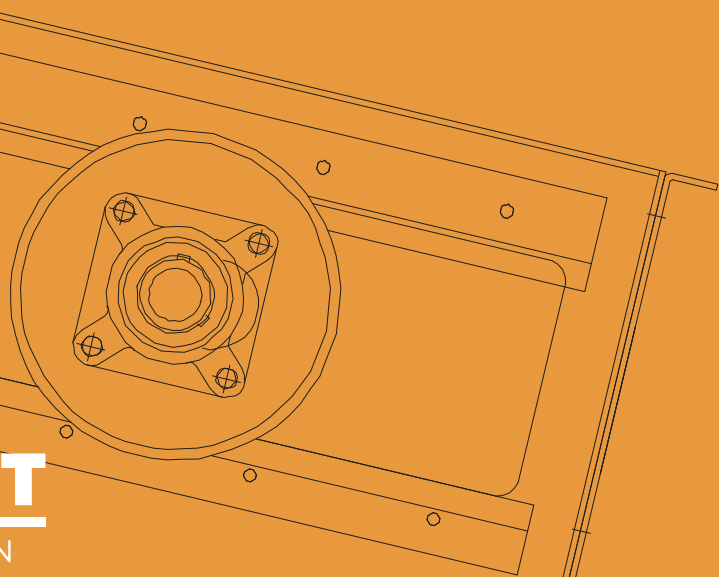
# TN SERIES Conveyor belt

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**METALMONT**

HANDLING INNOVATION

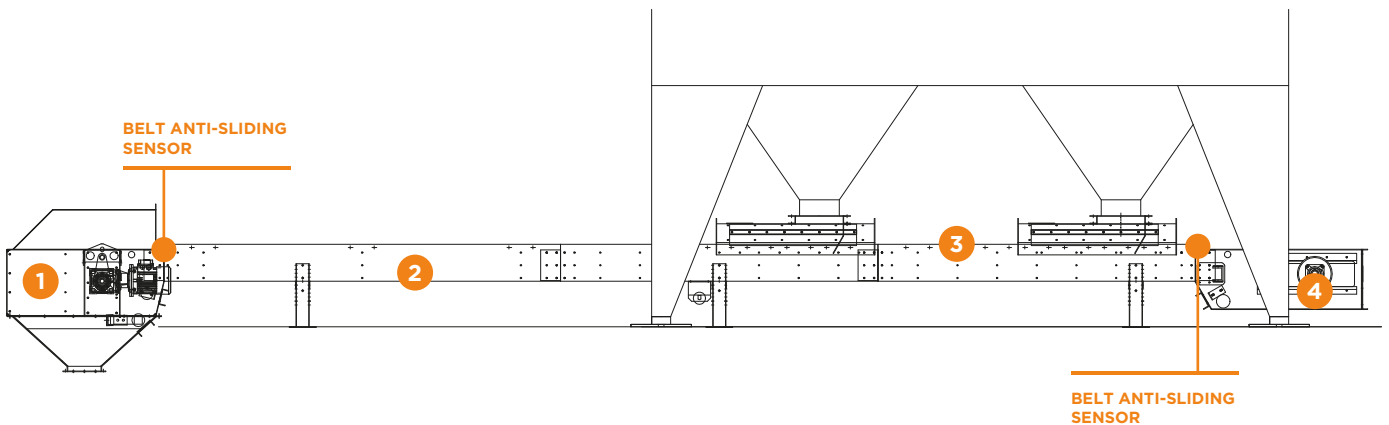


# TN SERIES CONVEYOR BELT

Reliable performance, construction quality,  
easy assembly: the perfect solution

Ideal for handling cereals, oilseeds and legumes through horizontal or slightly tilted paths, the Metalmont TN series belt conveyors are designed to ensure the best performance even in the most difficult working conditions, minimise maintenance costs and total operating costs.

**RANGE** from 120 to 200 t/h - higher flow rates available on request



### 1 TOWING ELEMENT (HEAD)

- Rubberised driving pulley in steel discs
- High resistance steel towing shaft
- Supports with shielded ball bearings
- Gearmotor with direct coupling to the towing shaft

### 3 INTERMEDIATE ELEMENTS

- Case formed by bolted elements, carefully designed for quick and easy assembly
- 2 or 3 inclined rollers in the upper part where the conveyor belt conveys the material
- One horizontal roller every 3 meters in the conveyor belt return section
- Vertical containment rollers
- Possible counterweight tensioner

### 2 CONVEYOR BELT

- Belt with anti-abrasive, anti-oil, antistatic, high temperature resistant covers
- Belt central section formed by 2 or more polyamide-polyester cloths with high specific resistance and reduced elongation
- Possible tripper for material discharge, with rope control

### 4 IDLER ELEMENT (TAIL END)

- Idler pulley in steel discs
- High resistance steel idler shaft
- Double screw chain tensioner
- Tensioning slide with shielded ball bearings and supports

## DATA SHEET

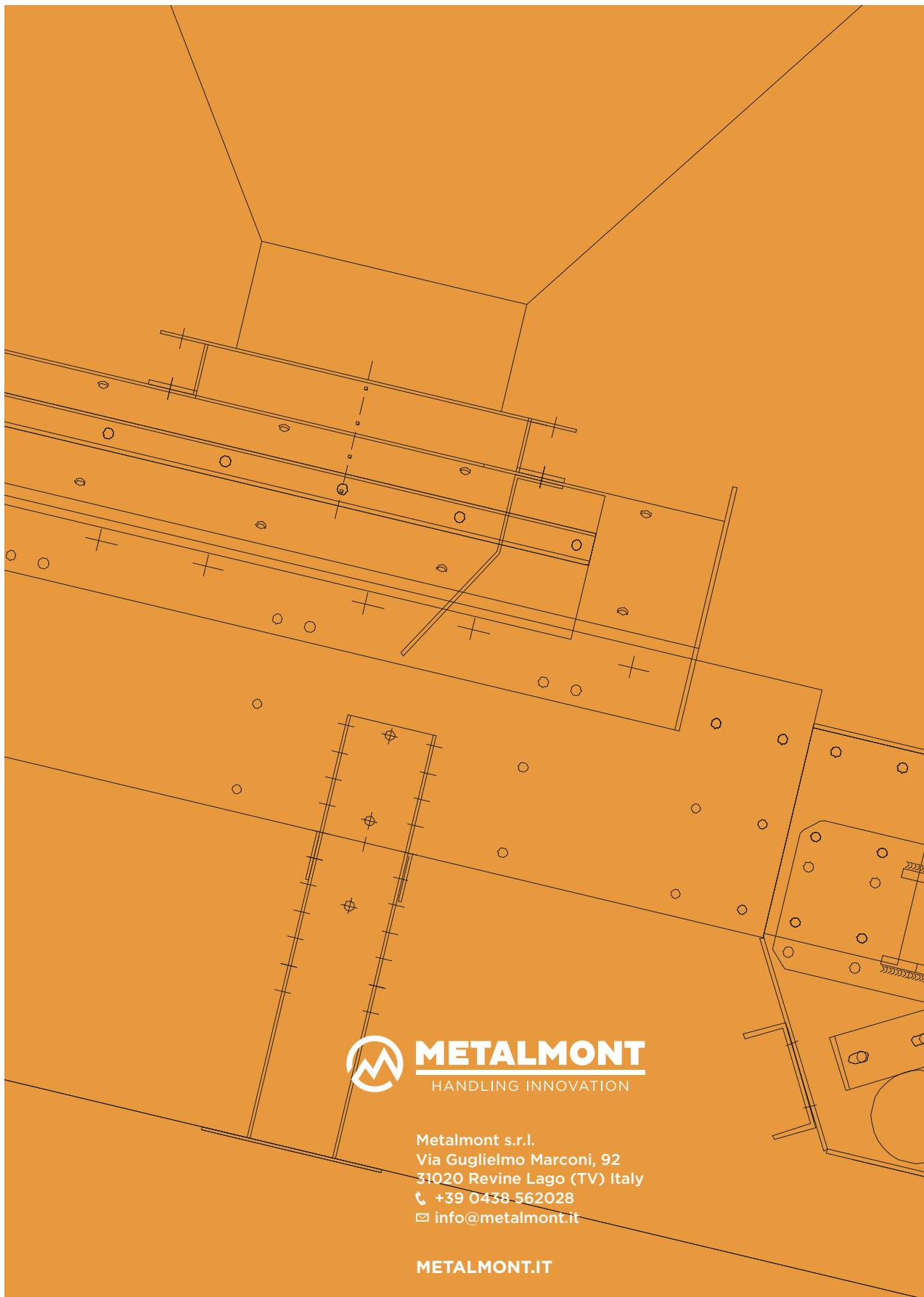
MODEL	U.M.	TN-450	TN-650
Flow rate*	t/h	120	200
Belt speed	m/s	2,3	2,3
Number of rollers / meter in the delivery section for conveyor belt support	n	2	3
Conveyor belt roller diameter	mm	76	89
Conveyor belt width	mm	450	650
Internal width	mm	655	905
Head length	mm	1.000	1.250
Tail end length	mm	1.000	1.250
Inlet/outlet flange dimensions	mm	300 x 300	350 x 350
Minimum distance for loading	mm	1.500	1.800
Head product outlet distance	mm	2.500	3.000
Discharge carriage height	mm	710	1.150
Towing pulley diameter (head)	mm	340	340
idler pulley diameter (foot)	mm	219	219
Maximum length	m	120	160

\*Flow rate referred to p.s. wheat 0.78 t/m<sup>3</sup>; RH 15%; max impurities: 2%. Horizontal machine.

## ACCESSORIES AND DEVICES

MODEL	TN-450	TN-650
Temperature sensor on head and tail end	○	○
Speed control sensor on tail end	○	○
Loading hopper	○	○
Discharge hopper	○	○
Conveyor cover	○	○
Support feet	○	○
Painted or stainless steel execution	○	○
Belt anti-sliding sensor	○	○
Suitable for use in ATEX 22, according to the customer classification	○	○

- - Standard
- - Optional



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Metalmont s.r.l.  
Via Guglielmo Marconi, 92  
31020 Revine Lago (TV) Italy  
☎ +39 0438 562028  
✉ info@metalmont.it

**METALMONT.IT**