

TC SERIES Chain conveyors



METALMONT

HANDLING INNOVATION

TC SERIES

CHAIN CONVEYORS

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

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

RANGE from 40 to 250 t/h - higher flow rates available on request

AVAILABLE VERSIONS

- normal
- for pit with side product inlet
- double case
- reversible
- single inclination / double inclination
- telescopic





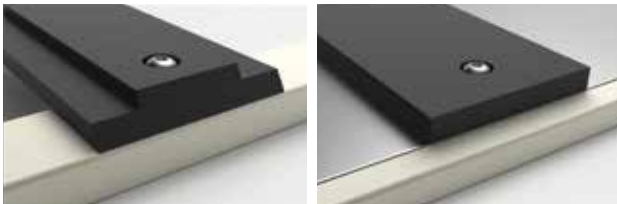
1 HEAD

- Orthogonal gearmotor with protective guard
- Anti-clogging sensor
- Inspection porthole



2 SCRAPER CHAIN

- Special steel DIN8165 folded links scraping chain complete with hardened steel bushings and pins
- High density polyethylene scraping blades in sufficient quantity to ensure complete emptying of the conveyor
- Recovery buckets (optional)



3 SLIDING BLOCKS

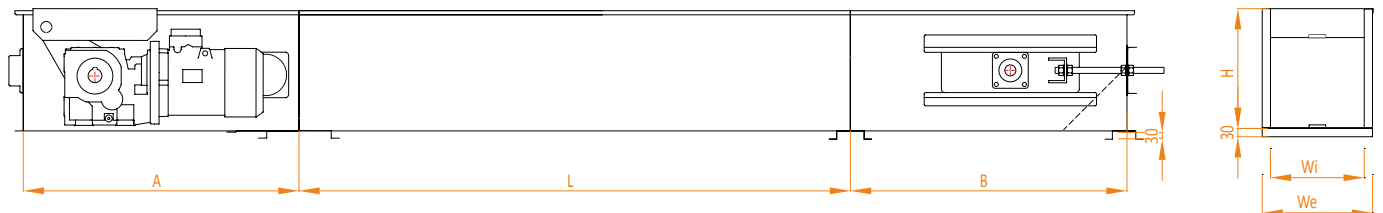
- Case formed by bolted elements, carefully designed for quick and easy assembly
- Galvanised sheet steel chain intermediate support
- High density polyethylene chain sliding block (lower and upper).



4 IDLER ELEMENT

- Smooth idler wheel
- High resistance steel idler shaft
- Double screw chain tensioner
- Tensioning slide with self-aligning ball bearings and supports
- High density polyethylene chain sliding block

MODEL	U.M.	TC-040	TC-060	TC-120	TC-150	TC-200	TC-250
Flow rate*	t/h	40	60	120	150	200	250
Chain speed	m/s	0,55	0,60	0,60	0,60	0,60	0,60
Chain pitch	mm	100	125	125	125	150	150
A - Towing element length (head)	mm	1.000	1.000	1.000 / 1.500	1.000 / 1.500	1.500	1.500
B - Idler element length (tail end)	mm	1.000	1.000	1.000	1.000	1.000	1.000
H - Case height	mm	364,5	434,5	434,5	434,5	556,0	636,0
We - Case external width	mm	230	300	400	500	500	500
Wi - Case internal width	mm	170	240	340	430	430	430
Side thickness	mm	3	3	3	3	3	4
Bottom thickness	mm	3	3	3	4	4	4
Chain sliding block thickness	mm	10	10	10	10	10	10
Cover thickness	mm	1,5	1,5	1,5	2,0	2,0	2,0
L - Intermediate element length	mm	500 / 1.000 / 2.000 / 3.000					
Chain sliding block material		polyethylene					



*Flow rate referred to p.s. wheat 0.78 t/m³; RH 15%; impurities: 2%. Horizontal machine.

TOWING ELEMENT

- Toothed towing wheel.
- High resistance steel towing shaft.
- Supports with ball bearings shielded and lubricated with high-performing grease
- High density polyethylene chain sliding block (lower and upper)



ACCESSORIES AND DEVICES

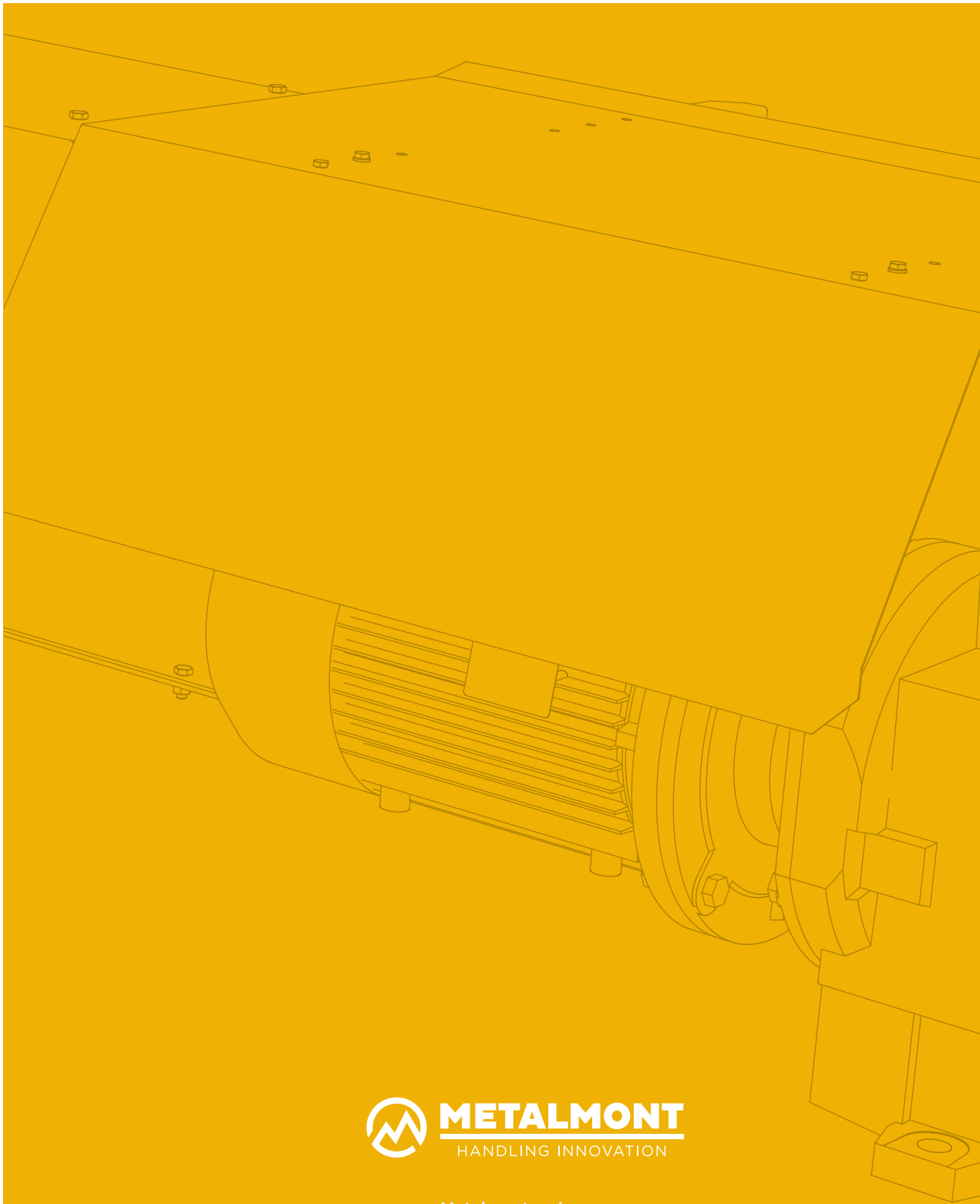
MODEL	TC-040	TC-060	TC-120	TC-150	TC-200	TC-250
Support temperature sensor on head and tail end	○	○	○	○	○	○
Anti-clogging sensor on the head	●	●	●	●	●	●
Hot-dip galvanising of the intermediate elements	○ ¹	○ ¹	○ ¹	○ ¹	○ ¹	○ ¹
Hot-dip galvanising of head and tail end	○ ²	○ ²	○ ²	○ ²	○ ²	○ ²
Painted or stainless steel execution	○	○	○	○	○	○
High density polyethylene bottom coating	○	○	○	○	○	○
Speed control sensor on tail end	●	●	●	●	●	●
Porthole for visual inspection on the head	●	●	●	●	●	●
Recovery buckets	○	○	○	○	○	○
Chain cleaning brushes	○	○	○	○	○	○
Servo-ventilation on motor	○	○	○	○	○	○
Reversible foot	○	○	○	○	○	○
Double case	○	○	○	○	○	○
Suitable for use in ATEX 22, according to the customer classification	○	○	○	○	○	○
Extensions and supports of various sizes	○	○	○	○	○	○
Dampers for product discharge. Manual, motorised or pneumatic drive	○	○	○	○	○	○
Forged chain	○	○	○	○	○	○
Hardox sliding blocks	○	○	○	○	○	○

● - *Standard*

○ - *Optional*

○¹ - Standard surface finish: pre-galvanised sheet steel Z275.

○² - Standard surface finish of head and tail end: hot-dip galvanised tensioning block and sides.
Bottom and cover in pre-galvanised sheet steel Z275.



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