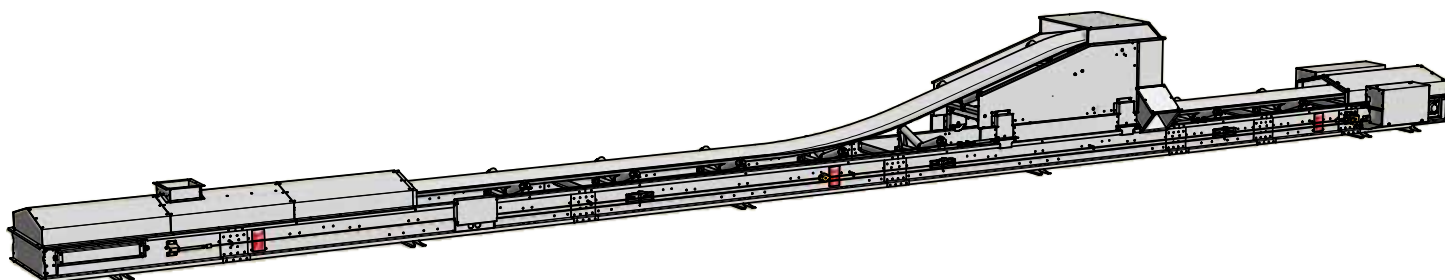


Our machines are designed for outdoor use. We only use galvanised steel plate, and join the parts by means of clamp riveting and bolting in order to keep the surface layer intact. Edges are bent down, joints and seams overlap and many parts are embossed in order to prevent water penetration. The most exposed joints are also sealed with rubber strips or silicone. The products in the I-LINE are designed for plants with continuous operation all year round.



BTI

The BTI belt conveyor is designed for horizontal grain conveying and is adapted in terms of capacity depending on where in the system it is used. BTI is energy efficient for long conveying distances, has a self-supporting length of 6 metres and can be operated in reverse. Loading unit, enclosure for end outlet including outlet hopper and motor-driven discharge tripper with 2-way valve are some of the fixings.

STANDARD EQUIPMENT:

- › Drive end with adjustable drive pulley rubberised for motors greater than 3 kW, speed monitor on snub idler and cover
- › Bevel gear unit motor
- › Tail end with tensioning screws or counterweight tension for long conveyors (steel cable and counterweight not included), adjustable tail pulley, plough scraper and cover
- › Antistatic conveyor belt
- › Adjustable carrying idler set and return idler set
- › Adjustable tracking idler set for the return section, included at machine length ≥ 20 metres and then one more for every additional 20 metres.
- › Permanently lubricated carrying idlers/return idlers/tracking idlers
- › Support feet

ACCESSORIES:

- › Loading unit with slider bed, skirting strips, gable, cover and inlet flange
- › Discharge tripper electric motor driven (steel cable purchased separately), inductive limit switches (2 pcs) and a 2-way valve (manual or electric motor driven).
- › Steel cable for driving discharge tripper
- › Limit switch (for extra stop)
- › Enclosure for end outlet with outlet hopper
- › Diagonal brace (extra for outdoor assembly) one for every 3 metres of conveyor
- › Oil resistant conveyor belt
- › Cable operated emergency stop
- › Cover



Loading unit.



Tail end.



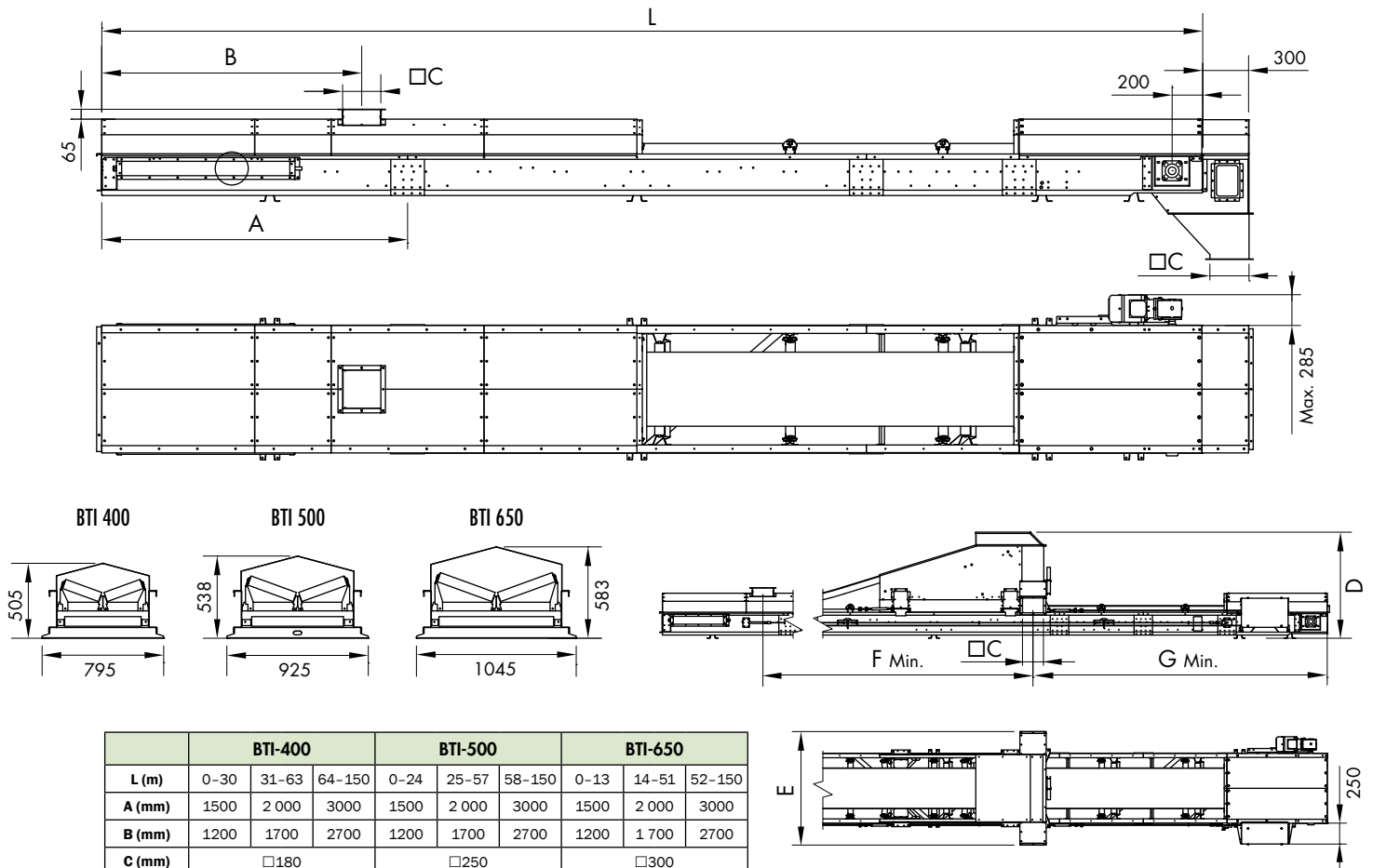
Carrying idler set.



Discharge tripper.

**THE
LEADING
COMPANY**

BTI DIMENSIONAL DRAWING



	BTI-400			BTI-500			BTI-650		
L (m)	0-30	31-63	64-150	0-24	25-57	58-150	0-13	14-51	52-150
A (mm)	1500	2 000	3000	1500	2 000	3000	1500	2 000	3000
B (mm)	1200	1700	2700	1200	1700	2700	1200	1 700	2700
C (mm)	□180			□250			□300		
D (mm)	1130			1270			1400		
E (mm)	1130			1360			1570		
	1,5 kW	2,2-4,0 kW		1,5-2,2 kW	3,0-5,5 kW		1,5-5,5 kW	7,5 kW	
F Min. (m)	7	9		7	8		8,5	9,5	
G Min. (m)	1,8			1,8			1,8		

All drawings are available in CAD format.

BTI BELT CONVEYOR

BTI BELT CONVEYOR			BTI 400		BTI 500		BTI 650	
			40 t/h	60 t/h	80 t/h	100 t/h	120 t/h	150 t/h
Capacity for 750 kg/m³	t/h		43-47	65-67	85-94	108-112	128-141	153-169
Capacity	m³/h		57-63	87-89	113-125	144-149	171-188	204-225
Speed	rpm		126-149	194-209	161-178	194-209	126-149	161-178
Belt speed	m/s		1,56-1,72	2,36-2,44	1,86-2,06	2,36-2,44	1,56-1,72	1,86-2,06
Belt width	mm		400		500		650	
Self supporting length	m				6			
Belt type			EP250/2 3+1,5 Y					
Connection loading unit/outlet hopper/two-way valve discharge tripper	mm		□180		□250		□300	
ATEX class (standard equipment)			II OD/OD *					

* Higher class as option at extra cost.

