SILOS SPAIN

TECHNICAL DATASHEET 2024

TBI | Industrial Belt Conveyor

The **Industrial Belt Conveyor TBI** has been design to bear the most demanding grain handling and transport conditions. Their construction with S350GD quality and Z-600 coated galvanized steel means they are extremely durable and allows them to work with a wide range of grains, seeds, legumes and pellets.



Head section



Intermediate section



Tail section



Tail-Intermediate section

GENERAL CHARACTERISTICS	
• Low energy use compared to other conveyor types	• Max. slope for smooth belt 15º, depending on material
• Large transport cross-section	• Ribbed belt from 15º inclination
• Suitable for fragile products	• Heavy-duty large diameter rollers for longer working life
• Low noise when in use	• Rollers suited to the climatic conditions for greater durability
• With a protective cover	• Tightener section with outer bearings

STANDARD EQUIPMENT
• One loading station per belt
• Belt cleaning scraper
• Detachable cover along the whole length
• Outlet hopper
• Vulcanized driving drum
• Squirrel cage tensioning drum
• Height adjustable legs up to 1.5m
• Flaps at the entrance
• Inspection hatch in the head
• Guide rollers with welded metallic lid
• Return rollers and cleaning rollers

OPTIONAL EQUIPMENT
• Rotation sensor
• Belt slippage sensor
• Bearing temperature sensor for head and tightener section
• Sail-type roller to centre the belt
• Skirts along the whole belt
• Safety sliding cover
• Dust aspiration
• Closed underneath
• Adjustable legs for heights above 1.5m
• Reversible belt
• Antiflame and greaseproof belt





MODEL	CODE	Throughput (T/h)	Throughput (m^3/h)	Speed (m/s)	Rollers position	Belt width (mm)
TBI 40	TB01/40	40	53,33	1,2	V	500
TBI 60	TB01/60	60	80,00	1,5	V	500
TBI 80	TB01/80	80	106,67	2	V	500
TBI 100	TB02/100	100	133,33	1,5	V	650
TBI 120	TB02/120	120	160,00	1,7	V	650
TBI 150	TB02/150	150	200,00	2	V	650
TBI 180	TB04/180	180	240,00	2,5	V	650
TBI 200	TB04/200	200	266,67	1,45	U	800
TBI 250	TB04/250	250	333,33	1,9	U	800
TBI 300	TB04/300	300	400,00	2,3	U	800
TBI 400	TB05/400	400	533,33	1,8	U	1000
TBI 500	TB06/500	500	666,67	1,5	U	1200
TBI 600	TB06/600	600	800,00	1,9	U	1200
TBI 800	TB06/800	800	1066,67	2,5	U	1200
TBI 1000	TB07/1000	1000	1333,33	2,3	U	1400

The specified values have been established using a material with a density of 0.75 T/m^3 as a reference.
The data show above are theoretical and may vary depending on the material and drive system selected.

Dimensions (mm)

MODEL	A	B	C	D	E	F	G	H	I	J
TB01	715	655	256	220	3600	3000	310	660	800	500
TB02	750	655	340	270	3600	3000	305	730	900	500
TB04	700	780	420	350	3565	3000	300	1000	1100	650
TB05	1500	1030	450	500	4500	3000	440	1185	1350	680
TB06	1600	1230	500	600	4500	3400	530	1440	1620	800
TB07	1600	1090	605	800	4600	3400	445	1665	1820	840

The dimensions specified are subject to change without prior notice.





