



KEPLERWEBER®





INSTITUTIONAL

MORE THAN 80 YEARS CONTRIBUTING TO OUR CUSTOMERS' GROWTH.

Founded in 1925, in the city of Panambi/Brazil, and focused on the agribusiness since its creation, Kepler Weber is specialized in developing complete storage solutions. Kepler Weber offers an agile and integrated structure, which allows us to annually process 100,000 tons of steel to serve an array of customers like trading companies and cooperatives, or even small and big businesses. The company is widely recognized for the development of agribusiness in Brazil and, acting as an exporter since 1973, is the current Latin-American leader in the segment.

Our strong investment in technology, the maximum quality of consumables and the development of tailor-made projects are features that confirm Kepler Weber's commitment of always contributing to its customer's growth.



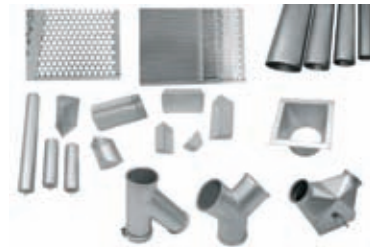


KW Support

Our multiservice support system aims at fulfilling our customers' every after sale need in Brazil or abroad. In order to keep the highest quality and performance standards for Kepler Weber equipment, the KW Support offers services like Technical Assistance, Original Spare Parts and Technical Training.

Original Parts

Original parts for Kepler Weber equipment are available for purchase through KW Support or in any of our many resellers in Brazilian territory, or through our international sales agents.



Technical Assistance

A specialized technical team is at the complete service of Kepler Weber's customers for answering questions, running technical checks, and offering solutions. Technical visits are also offered in order to carry out preventive and corrective maintenance services and to provide overhauls, improvements, updates, and expansion of the customer's system.

Technical Training

Our Technical Training Program takes Kepler Weber professionals with theoretical and practical expertise of grain transport, cleaning, drying and storage techniques, to the client's facilities, where they teach courses of equipment operation and maintenance.



Kepler Weber offers complete solutions for grain's conveyance: agricultural bucket elevators, screw conveyors, chain conveyors and belt conveyors. They are manufactured under the following standards:

- Preserve the integrity of the conveyed product;
- Energy saving with low level of noise emission and environmental friendly;
- Safety operation;
- Durability and quality of constructive material;
- Easy to assembly, operate and maintain;
- Operational reliability and flexibility;
- Efficient conveyance with high performance.

CONVEYORS

EA – AGRICULTURAL ELEVATORS

The Kepler Weber line of Agricultural Elevators is used for vertical conveyance of bulk grains and bran. The main features of KW bucket elevators are efficiency, reliability and economy. The elevator structure is self supported and available in a modular standardized line. Produced using galvanized steel plates, allow their installation in both internal and external environments having no particle emissions.





Elevator's Head

All the heads are equipped with a platform that has guardrails, baseboard, and a hatch, which allows maintenance and access to the gearmotor drive systems. The outlet is coated with a steel plate highly resistant to wear. In the EA-5 model the steel plate is replaced by UHMW Polyethylene.



Elevator's trunk

The trunks are made with galvanized steel and their structure is fixed through a TOX point technology, which allows better sealing and a longer service life.

Thickness (mm)						
Trunk	Bucket Elevator Model					
	EA-0	EA-1	EA-2	EA-3	EA-4	EA-5
Standard	1.55	1.55	1.95	1.95	2.7	2.7
With window	1.95	1.95	2.25	2.7	2.7	2.7
Reinforced	-	-	2.7	2.7	-	-
Flange frame angles	38.1 x 3.17	38.1 x 3.17	38.1 x 4.76	38.1 x 4.76	38.1 x 4.76	50.8 x 6.35

Elevator's Foot

The elevator's foot are built of galvanized steel plates and designed with a cage-type pulley, roller bearings with greaser points and windows for cleaning and maintenance. The entrance of cereal is made from highly resistant and easily replaceable steel plates.

The pulley-shaft set is mounted on a stretching system with two screws, making it possible to adjust the belt simply and quickly. The grain inlet can be performed by any side of the foot, which ensures greater versatility to the layout. When used for rice conveyance it comes with a special entrance in order to fill up the buckets better allowing maximum conveyance possibilities.



Technical Details

- High density Polyethylene buckets, resistant to corrosion, impact and abrasion, with anti-static and non-toxic composition;
- Flat action pulleys for models EA-0 and EA-1 and rubber action pulleys for models EA-2, EA-3, EA-4 e EA-5;
- Rocker arm breaks for motors up to 30 HP;
- Integrated anti-recoil brake connected to the gearbox for motor over 30 HP;
- Intermediary access platform in every 8 meters for the EA-5 model;
- Available optional items: Self-cleaning footing, Anti-explosion windows and Belts coated against chemicals, vegetable oils and temperatures of up to 60°C.

<i>Model</i>	<i>Capacity (0.75 mt/m³)</i>		<i>Maximum Height (m)</i>	<i>Speed (m/s)</i>	<i>Bucket/m</i>
	<i>mt/h</i>	<i>m³/h</i>			
EA-0	15	20.0	32.73	2.50	7.4
EA-1	30	40.0	38.1	2.70	6.5
	40	53.3			8.4
EA-2	60	80.0	50.47	2.90	6.4
	80	106.7			8.3
EA-3	100	133.3	50.67	2.95	3.8
	120	160.0			4.6
	150	200.0	49.67		5.8
	200	266.7	40.67		7.5
EA-4	240	320.0	50.71	2.95	7.2
EA-4HF	300	400.0	48.71	3.00	12.3
EA-5	300	400.0	55.83	3.00	4.2
	400	533.3			5.4



TRUA SCREW CONVEYOR

Practical and economic conveyance system for short and medium distances. Built in galvanized plates, its main feature is the ability to be used in interior and exterior installations with no environmental contamination. Steel helicoids, highly resistant to wear, assembled through modules connections to guarantee a fast assembly process.



Technical Details

- U-shaped gutter with cover and dust-free seals;
- Designed to be installed with up to 25° inclination angle;
- Gearmotor drive drive;
- The gutter's cover is bolted to improve operation safety;
- Can have intermediary inlets and outlets;
- Speed may be reduced for special products.

Model	Helicoid Diameter (mm)	Capacity (0.75mt/m ³)		Rotation (rpm)	Pitch (mm)	Maximum Length (m)
		(mt/h)	(m ³ /h)			
TRUA160	160	12	16	180	160	52.5
TRUA 200	200	20	26.7	160	200	43.5
TRUA 250	250	40	53.3	160	250	46.5
TRUA 315	315	75	100	140	315	33.0
TRUA 400	400	120	160	125	400	20.0
TRUA 500	500	200	266.7	110	500	19.0





TCRA CHAIN CONVEYOR

Efficient and versatile, these conveyors are ideal for short and medium distance. Made of galvanized plates with bolted joints and sealed cover, which allow operation in interior and exterior installations with no environmental contamination. The chain is made out of L-shaped flat steel profile highly resistant to wear, guaranteeing high performance.



Technical Details

- Can be installed with up to 14° inclination angle;
- Gearmotor drive drive;
- Inferior rails and return guides of UHMW Polyethylene: high durability, low noises and less chain wear;
- One-piece drive wheel that guarantees more strength to the system;
- Mechanism requires less lubrication points, allowing long-period operations with reduced maintenance;
- Body covers are bolted to improve operation safety;
- Articulated lid at the driving module, acting as a safety device against clogging;
- Optional double-body design for conveyance in both directions.

Model	Capacity (0.75 mt/m ³)		Maximum Length (m)	Speed (m/s)	Rotation (rpm)
	mt/h	m ³ /h			
TCRA - 160	60	80.0	100	0.69	44
TCRA - 200	90	120.0	100	0.69	44
TCRA - 250	120	160.0	84	0.69	44
TCRA - 280	150	200.0	71	0.69	44
TCRA - 315	200	266.7	90	0.72	36
TCRA - 400	300	400.0	67	0.72	36



CT BELT CONVEYOR

A practical and economic conveyance option for short, medium and long distances, which preserves the integrity of the product. May be loaded through different inlets and accessories allow unload flexibility. Galvanized steel structure provides longer service life to the system.



Technical Details

- Can be installed with up to 8° inclination;
- Gearmotor drive drive;
- The conveyor body is designed with steel rollers assembled on shielded bearings and a fixed axle on uniformly spaced racks;
- Dynamically balanced drums;
- Equipped with top and bottom guide rollers.



Accessories

Mobile tripper

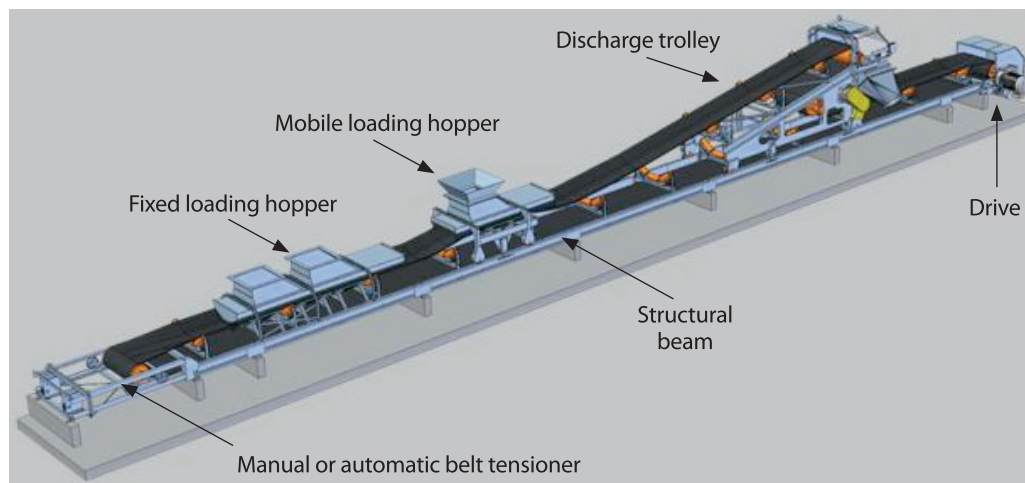
Guide the product's flow allowing side discharge at any point from the belt.

Continuous hopper

Designed to control and guide the product's flow allowing a controlled, leakage-free loading of the belt.

Covering plates

Made of galvanized steel plates to protect the system and the product against the weather conditions.



Model	Capacity (0.75mt/m ³)		Maximum Length (m)	Speed (m/s)	Inclination of loading rollers
	mt/h	m ³ /h			
CT - 12"	30	40	150	2.50	20°
CT - 16"	60	80	150	3.14	20°
CT - 20"	120	160	150	3.14	20°
CT - 24"	200	267	150	3.14	30°
CT - 30"	300	400	150	2.45	35°
CT - 30"	400	533	150	3.25	35°





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