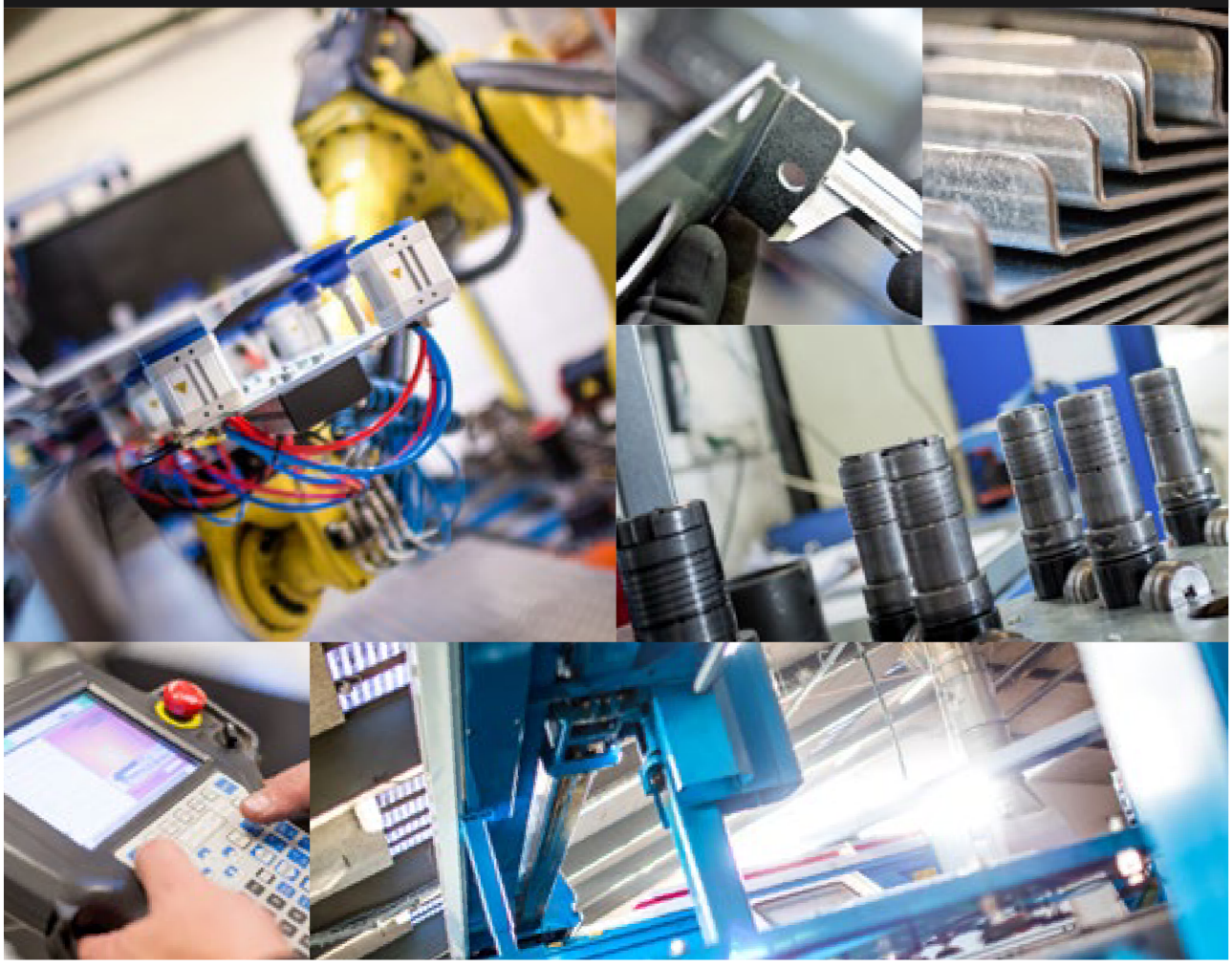
JEMA

PRODUCT CATALOGUE



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ENGINEERING → GRAIN HANDLING → TOGETHER

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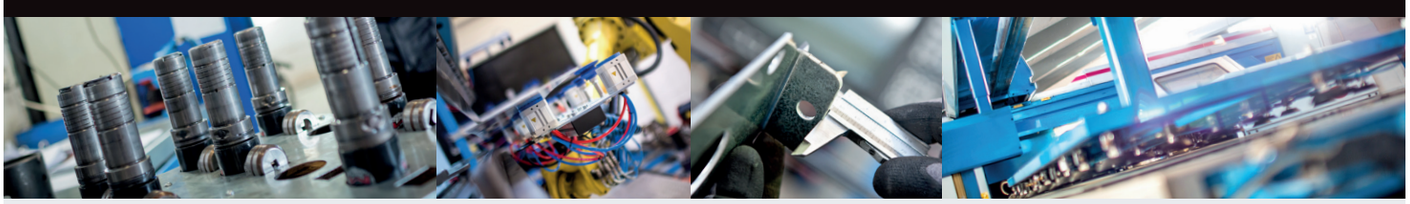
DRY PIT
SUSPENDED MODULAR GRAIN PIT



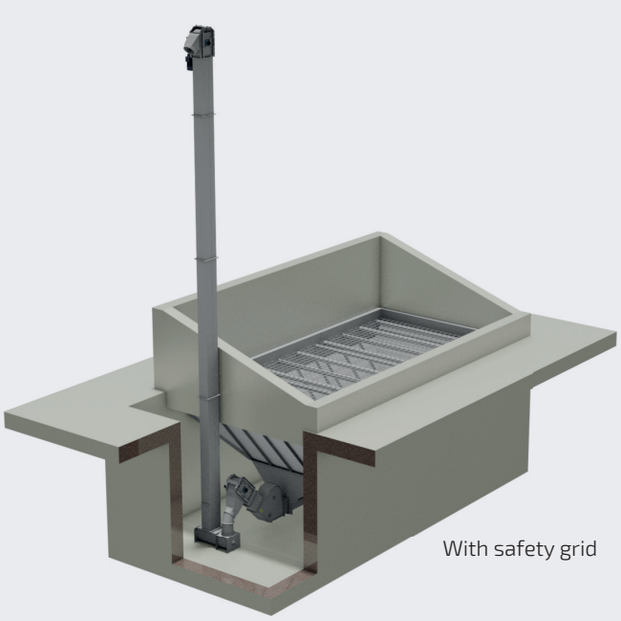
JEMA AGRO DRY PIT is a suspended modular grain pit, which has been developed in order to provide optimal conditions for servicing and avoiding water in the DRY PIT.

The steel pit must hang in a concrete pit with vertical sides, and it is produced in sections of galvanized steel plate, that are to be bolted together. The pit is produced in a version with safety grid and a drive-over version. The DRY PIT has a standard width of 3 m, and is available in 3 depths. It can be delivered in lengths from 3 meters.

- Easy service access
- Simple assembly
- Optimal protection against water
- Is to be fitted suspended in a vertical concrete pit
- Easy and economical transport, as the DRY PIT can be packed on pallets
- No horizontal areas where grain and feedstuff can remain
- Designed in modular sections, made of 3-4 mm galvanized steel plates
- Fits with JEMA AGRO T45, T49, T57 chain conveyors and T50, T51, T52, BC400 belt conveyors
- Vehicular grating is modular built in 0,5 x 2,0 m. and
- 0,5 x 1,0 m. sections
- The walk-over version is supplied with 100x100x8 mm safety grid

DRY PIT®

Drive-over



With safety grid

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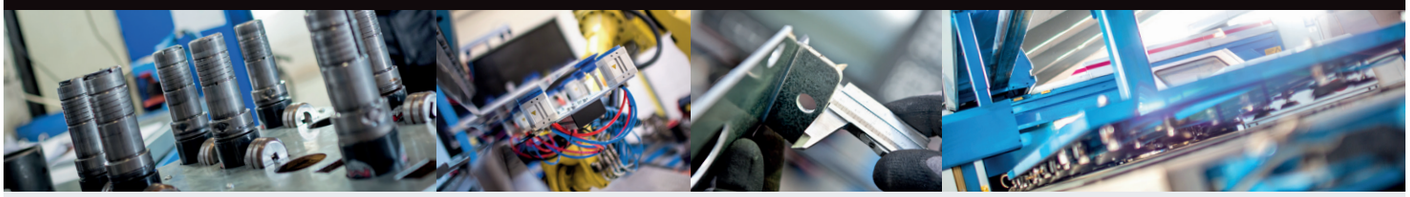
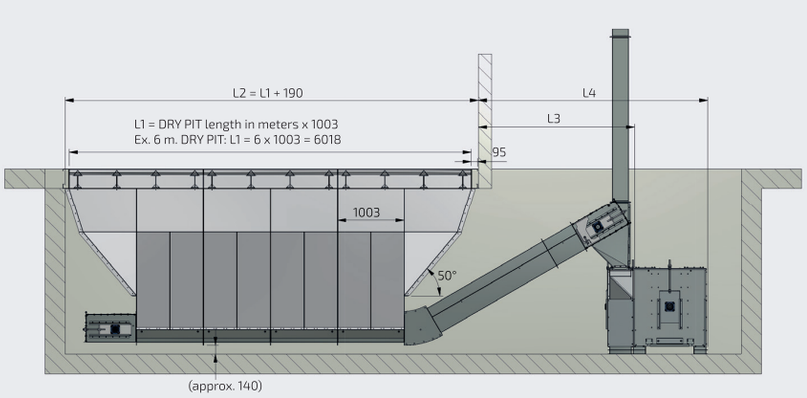
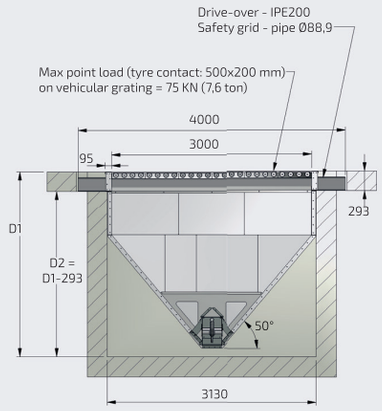
DRY PIT
SUSPENDED MODULAR GRAIN PIT





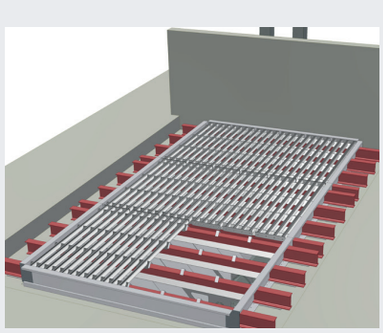


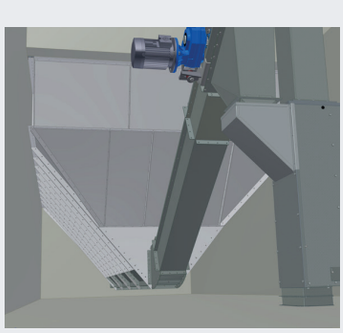
The measurements are the same for safety grid and drive-over version.

Dimensions / Technical specifications

Grain pit type	Capacities by steel pit Length x width						Depth (D measurement) by conveyor type		
	3x3 m	4x3 m	5x3 m	6x3 m	7x3 m	8x3 m	T57	T49	T45
DRY PIT 1	8,70 m³	12,70 m³	16,70 m³	20,70 m³	24,70 m³	28,70 m³	2,33 m	2,40 m	2,53 m
DRY PIT 2	12,25 m³	17,50 m³	22,75 m³	28,00 m³	33,25 m³	38,50 m³	2,73 m	2,79 m	2,93 m
DRY PIT 3	16,05 m³	22,50 m³	28,95 m³	35,40 m³	41,85 m³	48,30 m³	3,15 m	3,22 m	3,36 m

	L3	L4
DRY PIT - T45 - T40 with flex elevator boot	0,62 m	1,07 m
DRY PIT - T45 - T53	1,24 m	1,92 m
DRY PIT - T49 - T54	2,37 m	3,43 m
DRY PIT - T57 - T55	2,37 m	3,43 m





DRY PIT®

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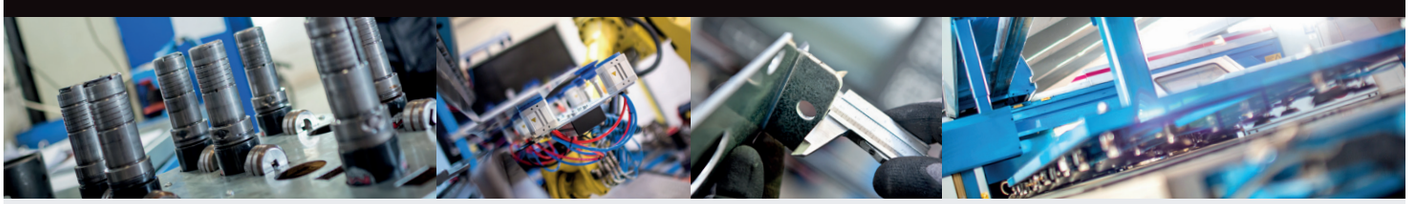
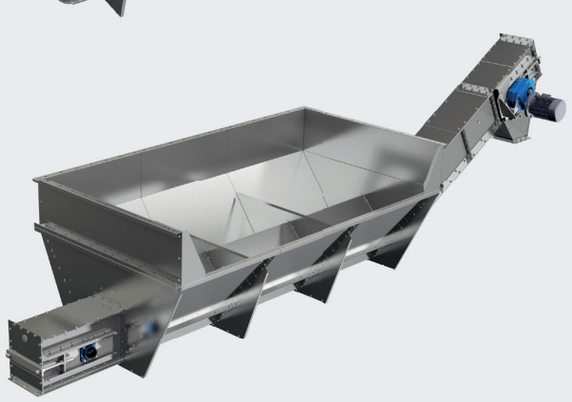
TIPPING HOPPER



The JEMA AGRO tipping hopper is designed for the purpose of giving optimal conditions for maintenance, and in order to avoid ground water in the grain.

With a JEMA tipping hopper placed on the ground, or placed in a concrete pit, you can tip grain in to the tipping hopper and transport it automatically to the transport system. The tipping hopper can be fitted on JEMA intake conveyors and JEMA inlet augers for chain elevator.

- Easy maintenance
- Easy fitting
- Easy and economical transport, as the tipping hopper is disassembled on pallets
- No horizontal surfaces where old material can build up
- Modularly built in sections with 1,5 mm galvanized steel
- Fits the JEMA AGRO T44, T45, T49, T57 intake conveyors and T20/40 intake augers.
- Tarpaulin and rolling rods
- Side extensions for larger content



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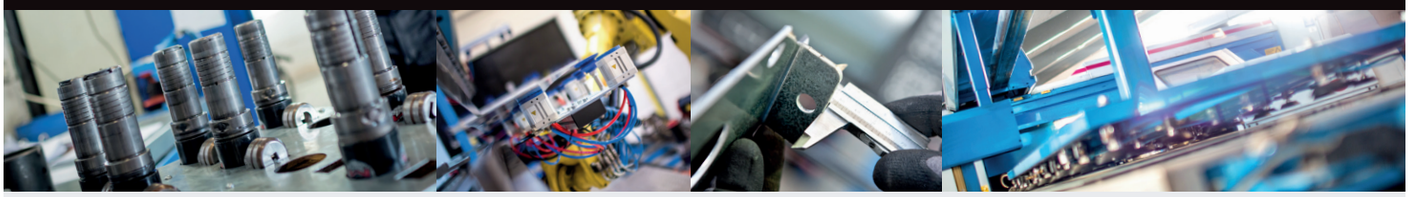
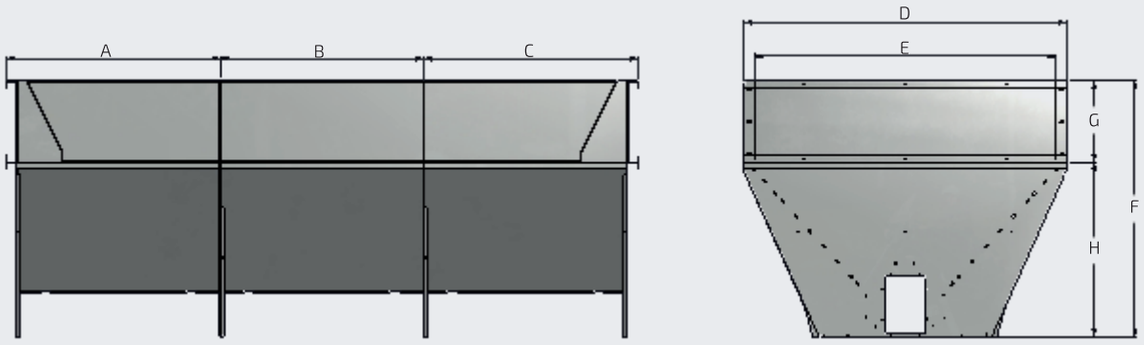
TIPPING HOPPER





Dimensions:

A	B	C	D	E	F	G	H
1055	1002	1055	1590	1486	1258	400	858

Technical specifications:

Content of the tipping hopper without extension plates									
Length	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
Ø135 / T44	1,1 m^3	1,6 m^3	2,1 m^3	2,6 m^3	3,1 m^3	3,6 m^3	4,1 m^3	4,6 m^3	5,1 m^3
T45	1,2 m^3	1,7 m^3	2,2 m^3	2,7 m^3	3,2 m^3	3,7 m^3	4,2 m^3	4,7 m^3	5,2 m^3
T49 / T57	1,3 m^3	1,9 m^3	2,5 m^3	3,1 m^3	3,7 m^3	4,3 m^3	4,9 m^3	5,5 m^3	6,1 m^3

Content of the tipping hopper with extension plates									
Length	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
Ø135 / T44	2,3 m^3	3,4 m^3	4,5 m^3	5,6 m^3	6,7 m^3	7,8 m^3	8,9 m^3	10,0 m^3	11,1 m^3
T45	2,4 m^3	3,5 m^3	4,6 m^3	5,7 m^3	6,8 m^3	7,9 m^3	9,0 m^3	10,1 m^3	11,2 m^3
T49 / T57	2,5 m^3	3,6 m^3	4,7 m^3	5,8 m^3	6,9 m^3	8,0 m^3	9,1 m^3	10,2 m^3	11,3 m^3

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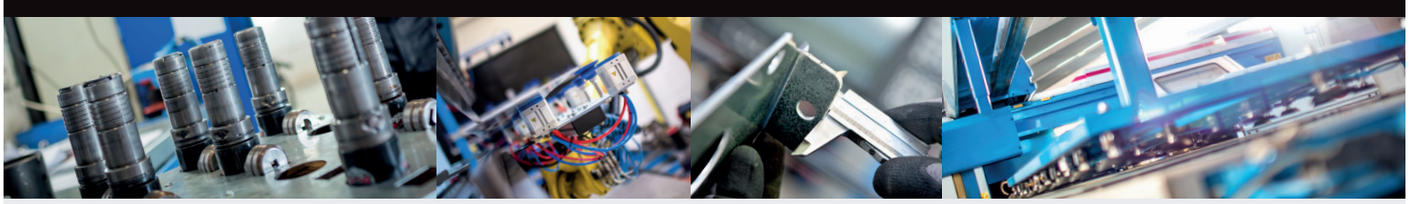
CHAIN ELEVATOR
TYPE T20 / T40



Chain elevator type T20/T40 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

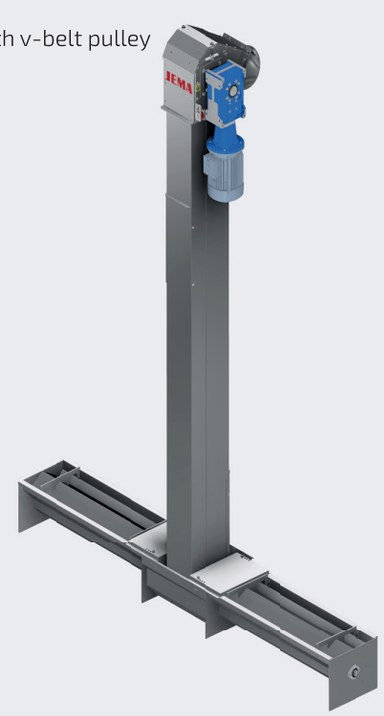
The JEMA AGRO chain elevator is made in galvanised material, which makes it particularly suitable for outdoor applications. It is characterised by large capacity despite its small external dimensions and ensures effective utilisation of the overall height since the outlet is positioned very high. The T20/T40 chain elevator is designed for transportation of grain, granulates, and other bulk goods. A quality roller chain fitted with rubber carriers ensures that all material transport is conducted quietly, safely, and effectively. The chain elevator can combine vertical and horizontal transport by using side augers in troughs or a 45° or 90° bend. As regards capacity, the elevator is designed for lifting materials from a JEMA Dry Pit to storage or to a JEMA chain conveyor/belt conveyor.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet piece
- Rubber carriers
- Extension 2,5 m with inspection cover
- Elevator boot
- Trough under elevator
- Impellors
- Drive station with tensioner

Accessories:

- Cover for geared motor
- Outlet hopper 90°
- Auger in trough Ø135/Ø180
- Elevator boot, closed
- Flex elevator boot (45°-90°)
- Inlet for flex elevator boot
- Extension with 45° inlet
- Extension with tilting inlet
- Inspection cover with 45° inlet
- Side inlet for flex elevator boot, 45t/h from one side
- Separate drive for auger
- Hopper
- Motor with v-belt pulley



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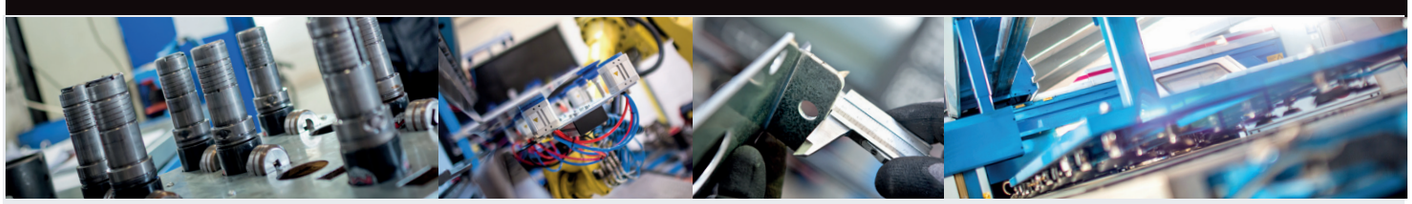
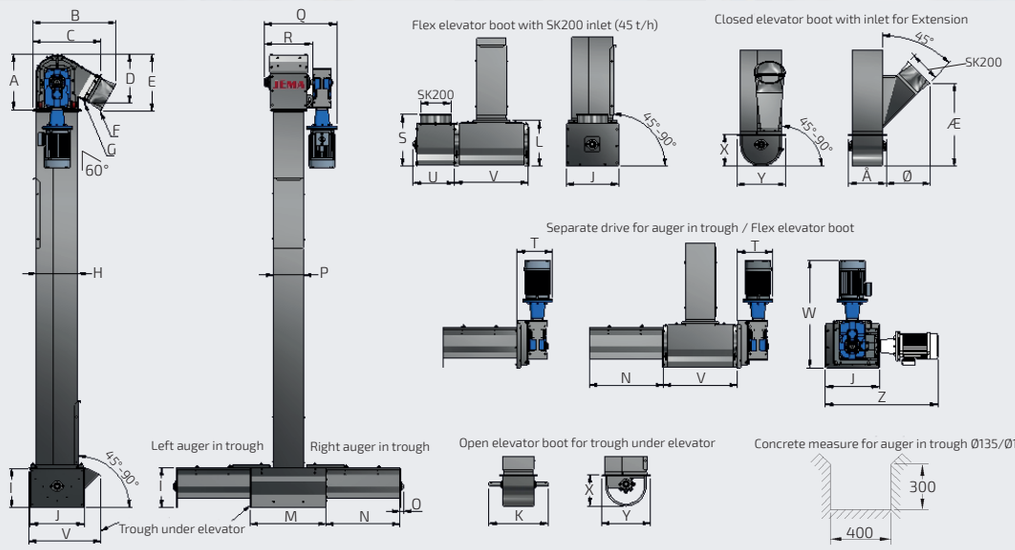
CHAIN ELEVATOR
TYPE T20 / T40





Dimensions T20/T40:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
T20	374	581	459	329	386	OK160	180x180	279	270	365	335	310	520	500/1000/2000
T40	374	560	459	329	386	SK200	180x180	279	270	365	400	310	520	500/1000/2000

	O	P	Q	R	S	T	U	V	W	X	Y	Z	Æ	Ø	Å
T20	25	135	452	262	347	264	280	505	798	215	330	835	554	297	188
T40	25	200	517	327	347	264	280	505	798	215	330	835	554	297	253

Technical specifications:

	T20	T40
Capacity based on 750 kg/m³ (wheat) t/h	25 t/h	45 t/h
Capacity m³/h	33 m³/h	60 m³/h
Rotation speed	280 RPM	280 RPM
Chain speed	1,71 m/s	1,71 m/s
Pitch on chain	41,4 mm	41,4 mm
Tensile strength (Dynamic)	min. 17,8 kN	min. 17,8 kN
Carrier, material	Rubber	Rubber
Plate thickness, drive station	3 mm	3 mm
Plate thickness, extension	2/1,5 mm	2/1,5 mm
Plate thickness, auger in trough	1,5 mm	1,5 mm
Plate thickness, elevator boot	3 mm	3 mm

Capacity for auger in trough (From one side)	
Ø135 - S60	13 t/h / 17,3 m³/h
Ø135 - S90	17 t/h / 22,7 m³/h
Ø135 - S120	22 t/h /29,3 m³/h
Ø180 - S160	45 t/h / 60,0 m³/h

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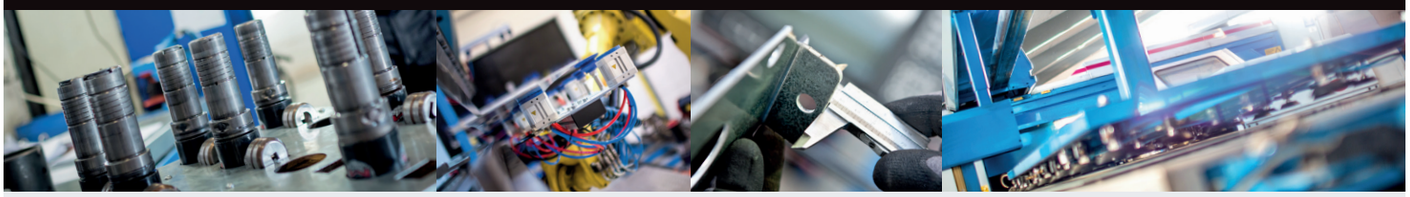
CHAIN ELEVATOR WITH BEND
TYPE T20 / T40



Chain elevator type T20/T40 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

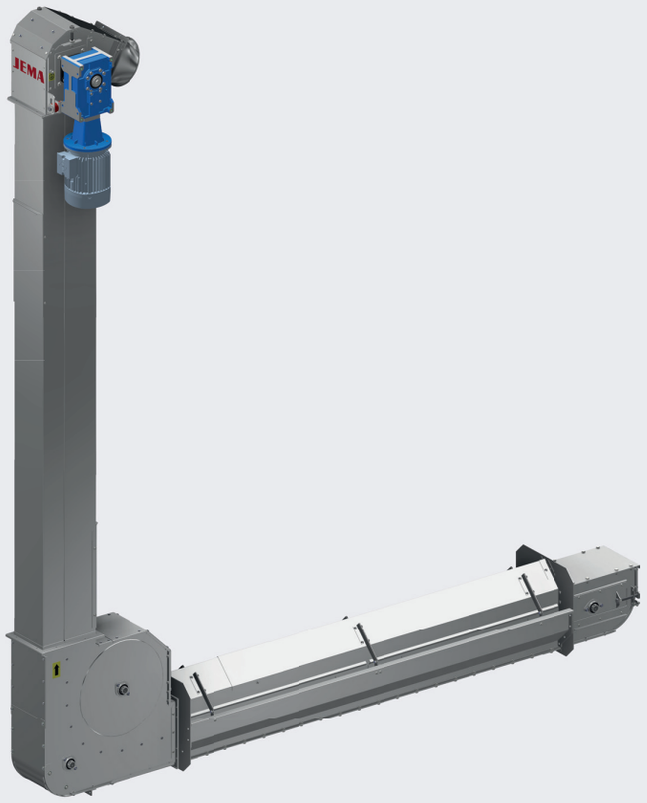
The JEMA AGRO chain elevator is made in galvanised material, which makes it particularly suitable for outdoor applications. It is characterised by large capacity despite its small external dimensions and ensures effective utilisation of the overall height since the outlet is positioned very high. The T20/T40 chain elevator is designed for transportation of grain, granulates, and other bulk goods. A quality roller chain fitted with rubber carriers ensures that all material transport is conducted quietly, safely, and effectively. The chain elevator combine vertical and horizontal transport by using 90° bend. As regards capacity, the elevator is designed for lifting materials from a JEMA Dry Pit to storage or to a JEMA chain conveyor/belt conveyor.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet piece
- Bend 90°
- Inlet trough
- Tightening section
- Rubber carriers
- Extension 2,5 m with inspection cover
- Drive station with tensioner

Accessories:

- Cover for geared motor
- Inlet for horizontal closed extension
- Motor with v-belt pulley



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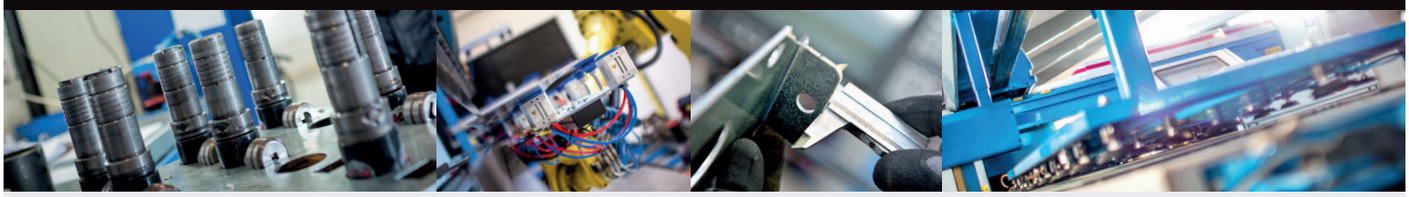
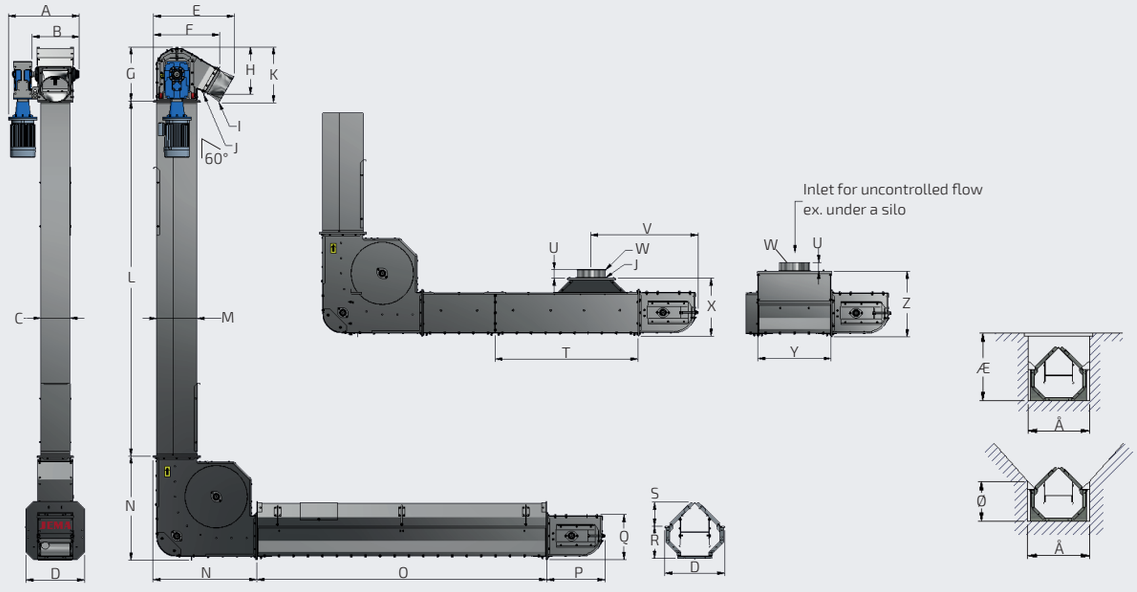
CHAIN ELEVATOR WITH BEND

TYPE T20 / T40





Dimensions T20/T40:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
T20	452	262	135	347	581	459	374	329	OK160	180x180	386	2460/1960/960/500/250/125	279	720
T40	517	327	200	412	560	459	374	329	SK200	180x180	386	2460/1960/960/500/250/125	279	720

	O	P	Q	R	S	T	U	V	W	X	Y	Z	Æ	Ø	Å
T20	2000/1000/500	415	312	236	150	2000/1000/500/250	60	742	SK200	406	500	455	430	300	400
T40	2000/1000/500	415	312	236	166	2000/1000/500/250	60	742	SK200	406	500	455	470	300	460

Technical specifications:

	T20	T40
Capacity based on 750 kg/m³ (wheat) t/h	25 t/h	45 t/h
Capacity m³/h	33 m³/h	60 m³/h
Rotation speed	280 RPM	280 RPM
Chain speed	1,71 m/s	1,71 m/s
Pitch on chain	41,4 mm	41,4 mm
Tensile strength(Dynamic)	min. 17,8 kN	min. 17,8 kN
Carrier, material	Rubber	Rubber
Plate thickness, drive station	3 mm	3 mm
Plate thickness, extensions	2/1,5 mm	2/1,5 mm
Plate thickness, inlet trough	2/1,5 mm	2/1,5 mm
Plate thickness, elevator boot/ tightening section	3/1,5 mm	3/1,5 mm

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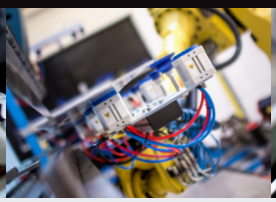
INTAKE CONVEYOR
TYPE T44 / T45

Intake conveyor type T44/T45 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO intake conveyor is made in galvanised material, which makes it particularly suitable for outdoor applications. The intake conveyor is available in a horizontal design or with a 45° bend. It works effectively in both versions and has low power consumption in relation to its capacity.

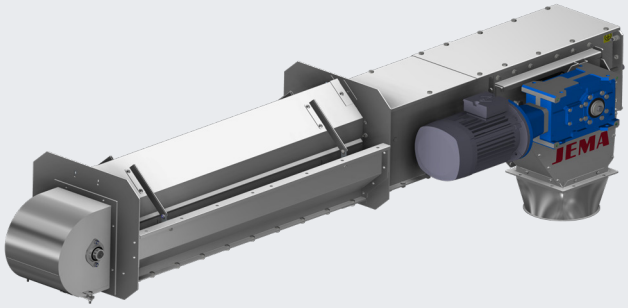
The T44/T45 intake conveyor is designed for industrial transport of grain, granulates, and other bulk goods. A quality roller chain fitted with rubber carriers ensures that all material transport is conducted quietly, safely, and effectively. The capacity can be controlled by adjusting the side plates in the inlet through. As regards capacity, the intake conveyor is designed for transporting materials from a JEMA Dry Pit to a JEMA chain elevator or a JEMA bucket elevator.

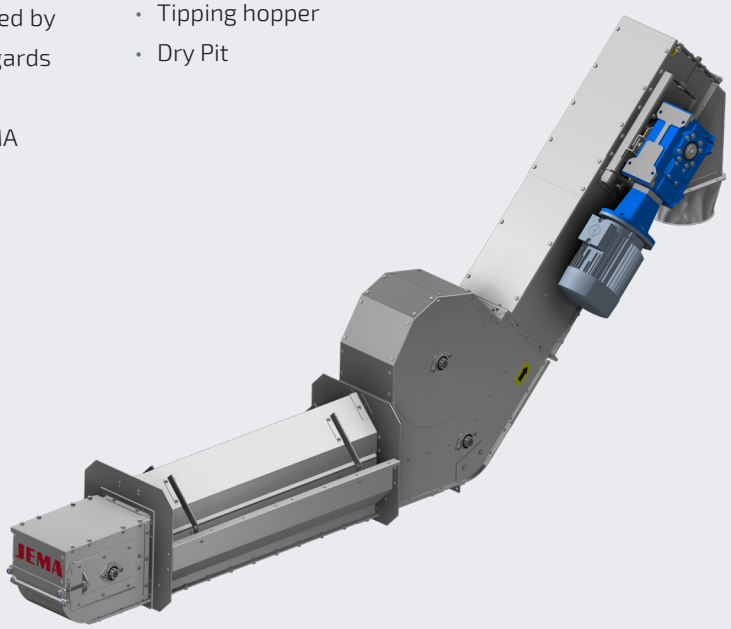
Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper 90°
- Rubber carriers
- Elevator boot/ tightening section
- Drive station with tensioner
- Inspection cover in elevator boot/ tightening section
- Adjustable plates in the inlet troughs

Accessories:

- Bend 45°
- Outlet hopper 45°
- Hopper with cover for 0,5 m inlet trough
- Cover for geared motor
- Tipping hopper
- Dry Pit





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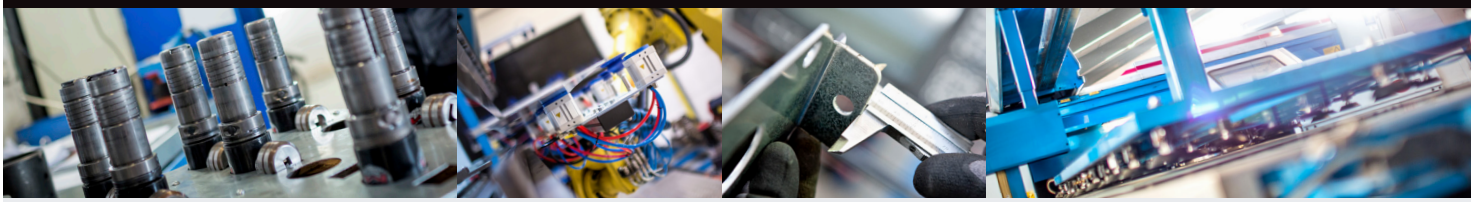
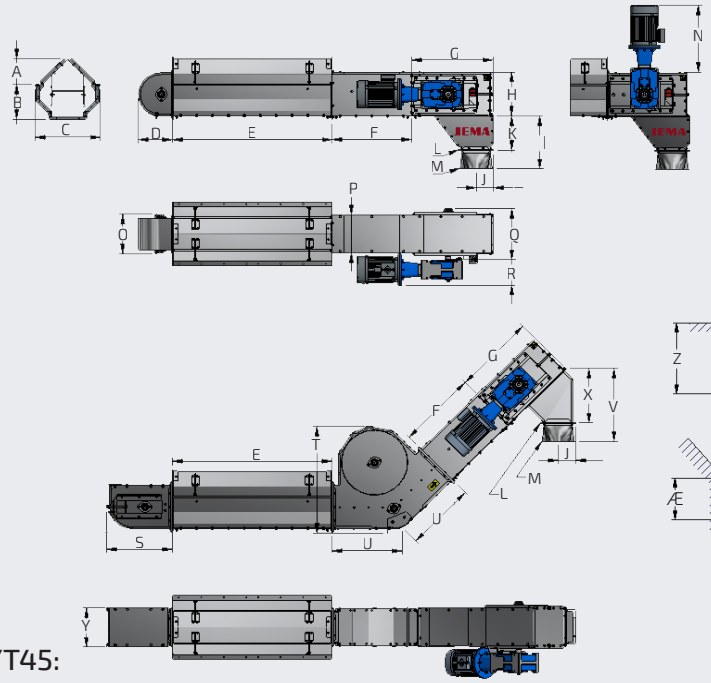
INTAKE CONVEYOR
TYPE T44 / T45





Dimensions T44/T45:

	A	B	C	D	E	F	G	H	I	J	K	L
T44	150	233	350	215	500/1000/2000	250/500/1000/2000	515	284	340	112	220	180x180
T45	165	233	415	215	500/1000/2000	250/500/1000/2000	515	284	340	112	220	180x180

	M	N	O	P	Q	R	S	T	U	V	X	Y	Z	Æ	Ø
T44	SK200	510	190	180	264	190	415	688	441	494	374	190	430	300	400
T45	SK200	510	255	245	329	190	415	688	441	470	350	255	470	300	460

Technical specifications:

	T44	T45
Capacity based on 750 kg/m³ (wheat) t/h	30 t/h	60 t/h
Capacity m³/h	40 m³/h	80 m³/h
Rotation speed	180 RPM	180 RPM
Chain speed	1,1 m/s	1,1 m/s
Pitch on chain.	41,4 mm	41,4 mm
Tensile strength(Dynamic)	min. 17,8 kN	min. 17,8 kN
Carrier, material	Rubber	Rubber
Plate thickness, drive station	3 mm	3 mm
Plate thickness, boot/ tightening section	3/1,5 mm	3/1,5 mm
Plate thickness, extension	2/1,5 mm	2/1,5 mm

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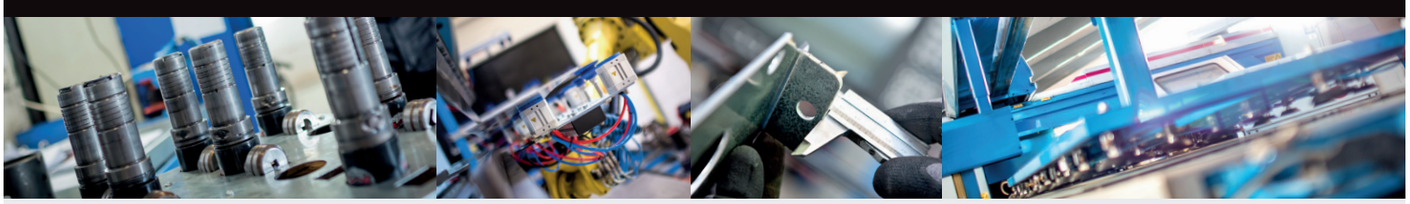
INTAKE CONVEYOR
TYPE T49 / T57



Intake conveyor type T49/T57 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO intake conveyor is made in strong galvanised material, which makes it particularly suitable for outdoor applications. The intake conveyor is available in a horizontal design or with a 30° bend. It works effectively in both versions and has low power consumption in relation to its capacity.

The intake conveyor T49/T57 is designed for industrial transport of grain, granulates, and other bulk goods. A steel chain fitted with synthetic carriers ensures that all material transport is conducted quietly, safely, and effectively. The capacity can be regulated steplessly from full capacity down to approx. 40% of capacity. As regards capacity, the intake converyor is designed for transporting materials from a JEMA Dry Pit to a JEMA bucket elevator.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper for drive station
- Plastic carriers will be delivered mounted from JEMA
- Tightening possibilities in both drive station and tightening section
- Inspection cover in drive station / tightening section
- Cleaning hatch in drive station/ tightening section
- Adjustable plates in the inlet troughs

Accessories:

- Bend 30°
- Outlet hopper 30°
- Blockits sensor
- Tipping hopper
- Dry Pit
- Cover for geared motor
- Adjustable endplate in tightening section for keeping it clean
- PEHD 1000 bottom

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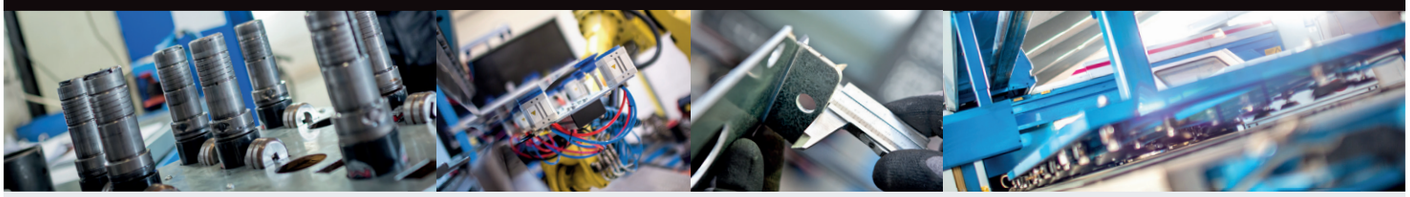
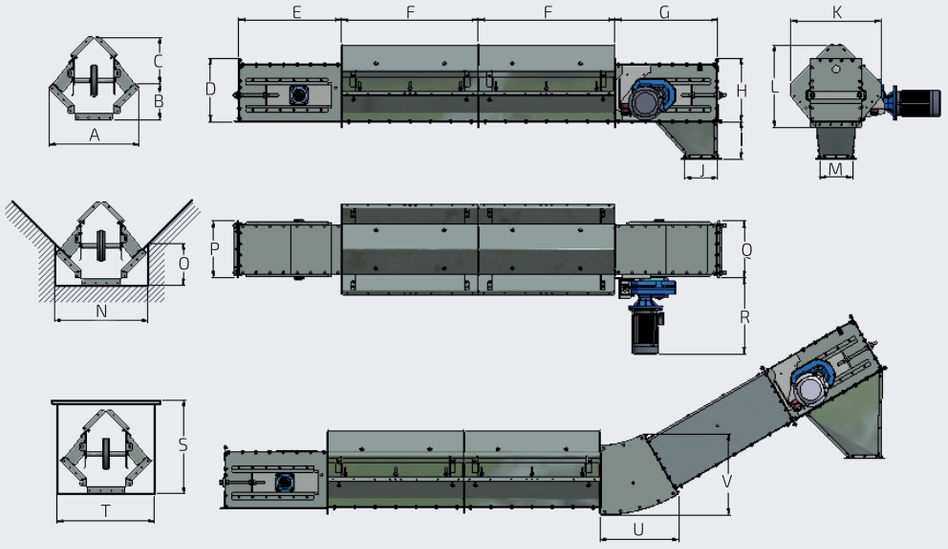
INTAKE CONVEYOR
TYPE T49 / T57





Dimensions T49/T57:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
T49	670	260	340	464	753	1000	753	464	275	240	670	605	240	690
T57	780	260	340	464	753	1000	753	464	275	300	780	660	300	800

	O	P	Q	R 3,0 kW	R 4,0 kW	R 5,5 kW	R 7,5 kW	R 11 kW	R 15 kW	S	T	U	V
T49	310	400	414	550	585	620	650	730	780	680	690	580	595
T57	310	510	524	550	585	620	650	730	780	740	800	580	595

Technical specifications:

	T49	T57
Capacity based on 750 kg/m³ (wheat) t/h	105 t/h	150 t/h
Capacity m³/h	140 m³/h	200 m³/h
Rotation speed	45/60 RPM	45/60 RPM
Chain speed	0,79/0,99 m/s	0,79/0,99 m/s
Pitch on chain	125 mm	125 mm
Tensile strength	118 kN	118 kN
Carrier, material	PEHD 1000	PEHD 1000
Sprocket wheel, teeth	8 pcs	8 pcs
Plate thickness, drive station	3 mm	3 mm
Plate thickness, tightening section	3 mm	3 mm
Plate thickness, extension	3 mm	3 mm

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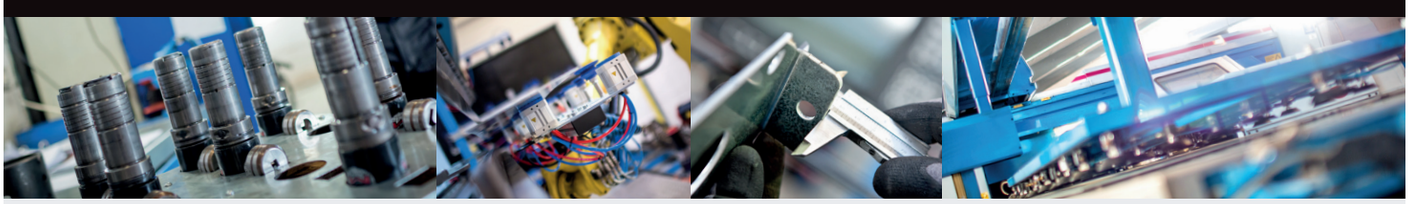
INTAKE CONVEYOR
TYPE C300



Intake conveyor type C300 is made of standard elements which, through combination, can easily be fitted into any conveying installation.

The JEMA AGRO intake conveyor is made of strong galvanised material, which makes it particularly suitable for outdoor applications. The intake conveyor has low power consumption in relation to its capacity.

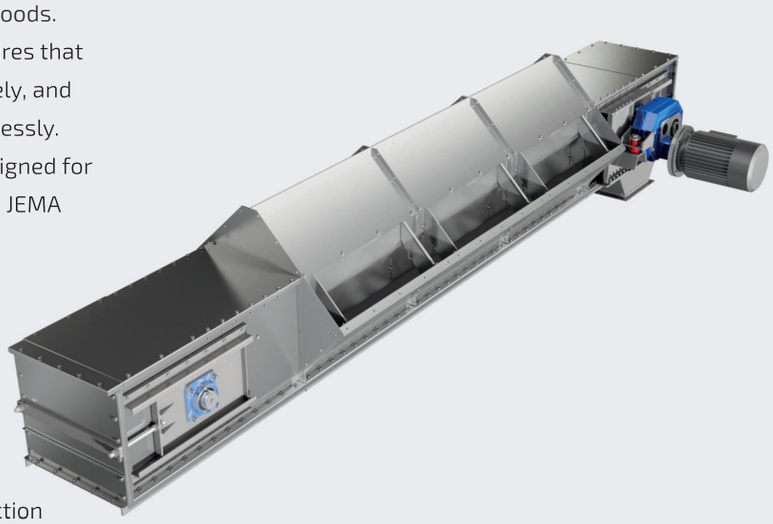
The intake conveyor C300 is designed for industrial transport of grain, granulates, and other bulk goods. A steel chain fitted with synthetic carriers ensures that all material transport is conducted quietly, safely, and effectively. The capacity can be regulated steplessly. Regarding capacity, the intake converyor is designed for transporting materials from a JEMA Dry Pit to a JEMA bucket elevator.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper for drive station
- PEHD carriers
- Cleaning hatch in drive station/ tightening section
- Tightening possibilities in both drive station and tightening section
- Inspection cover in drive station / tightening section
- Adjustable plates in the inlet troughs

Accessories:

- Adjustable endplate in tightening section for keeping it clean
- Cover for geared motor
- Blockits sensor
- DRY PIT



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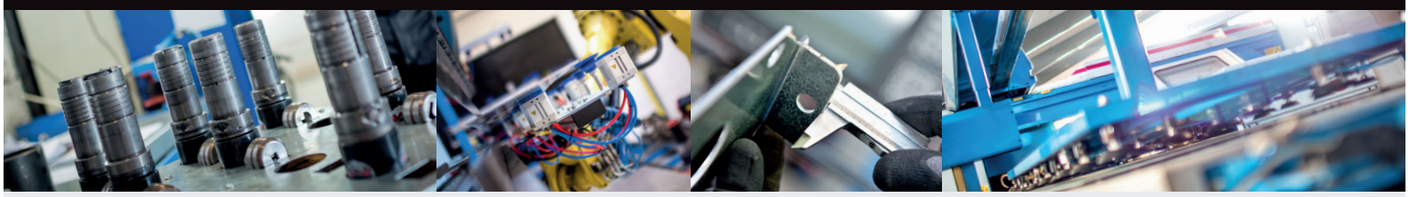
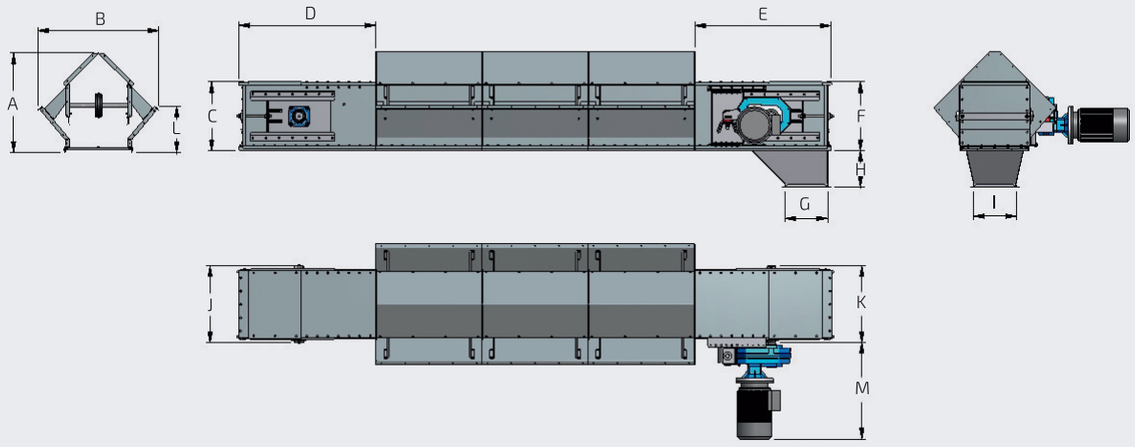
INTAKE CONVEYOR
TYPE C300





Dimensions C300 Intake conveyor:

	A	B	C	D	E	F	G	H	I
C300	935	1145	650	1290	1290	650	400	345	400

	J	K	L	M 7,5 kW	M 11 kW	M 15 kW
C300	720	720	430	800	830	882

Technical specifications:

	C300
Capacity based on 750 kg/m³ (wheat) t/h	225 t/h
Capacity m³/h	300 m³/h
Rotation speed	22 RPM
Chain speed	0,55 m/s
Pitch on chain	125 mm
Tensile strength	118 kN
Carrier, material	PEHD 1000
Sprocket wheel, teeth	12 pcs
Plate thickness, drive station top/side/bottom	2/4/5 mm
Plate thickness, tightening section top/side/bottom	2/4/5 mm
Plate thickness, extension top/side/bottom	2/3/5 mm

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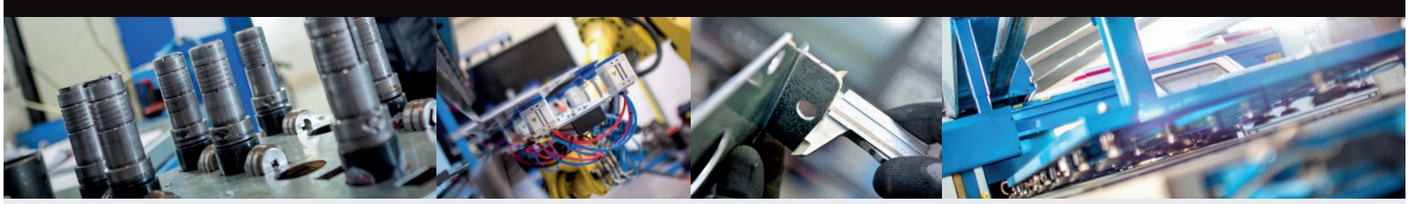
BUCKET ELEVATOR

TYPE T53 / T54 / T55



Bucket elevator type T53/T54/T55 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO bucket elevator is made in galvanised steel, which makes it particularly suitable for outdoor applications. All three types work efficiently and have low power consumption in relation to their capacity. We have designed them to be stable in tall versions and to be capable of running continuously for many hours. The bucket elevator is designed for industrial transport of grain, granulates, and other bulk goods. As regards capacity, the elevator is designed for lifting materials from a JEMA intake conveyor to a JEMA chain conveyor. The upward and downward side of the bucket elevator can be fed with the same capacity.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Wear plate in elevator head
- Removable elevator top
- Self cleaning drive/ tightening drum
- Tightening function in elevator boot
- Cleaning hatch in elevator boot
- Elevator feet
- Inlet piece 90°
- Elevator extension with inspection cover and sight glass
- Back stop
- Speed control monitor
- Antistatic belt with steel bucket
- Anti-return flow

Accessories:

- Cover for geared motor
- Inlet piece 45° and 3-way inlet
- 2-way switch 45°/90°, transition pieces and pipe
- Inlet shutter
- Aspiration socket
- Misalignment sensor
- Explosion outlet
- Oil resistant belt
- Extra feet
- Service platform, ladder, and resting platform

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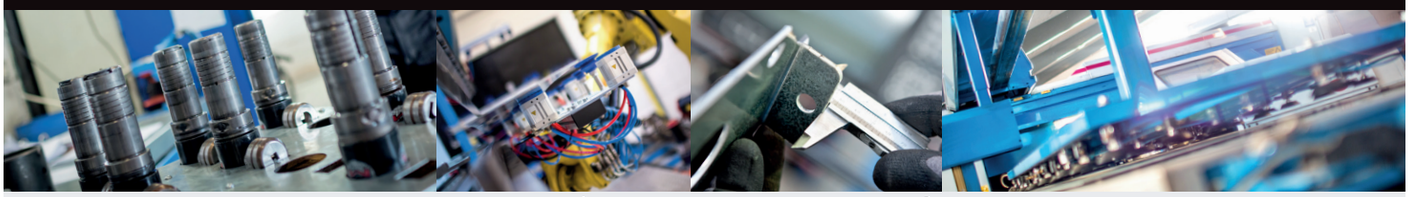
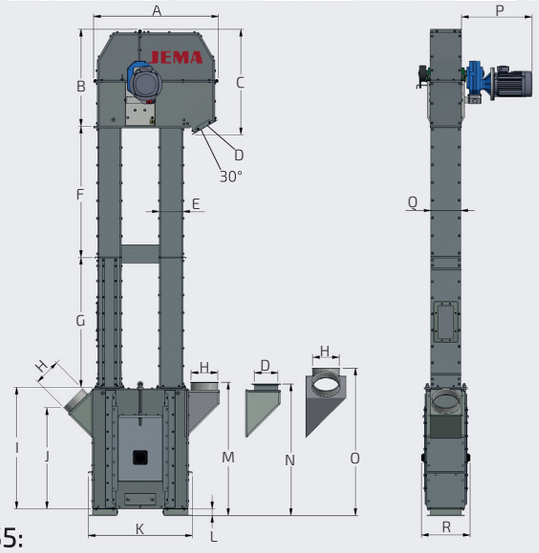
BUCKET ELEVATOR
TYPE T53 / T54 / T55





Dimensions T53/T54/T55:

	A	B	C	D	E	F	G	H	I	J	K
T53	953	740	907	180x180	180	2460/2000/1000/500/250	1000	SK200	979	821	792
T54	1368	1069	1291	240x240	240	2460/2000/1000/500/250	1000	SK250	1231	1030	1162
T55	1417	1069	1361	300x300	240	2460/2000/1000/500/250	1000	SK300	1231	1000	1162

	L	M	N	O	P 2,2 kW	P 3 kW	P 4 kW	P 5,5 kW	P 7,5 kW	P 11 kW	P 15 kW	Q	R
T53	51	1016	958-1075	1123	500	555	595	635				228	370
T54	56	1260	1200-1352	1488		625	675	715	790	835		304	463
T55	56	1260	1200-1352	1540		625	675	715	790	835	955	368	523

Technical specifications:

	T53	T54	T55
Capacity based on 750 kg/m³ (wheat) t/h	30/60 t/h	105 t/h	150 t/h
Capacity m³/h	40/80 m³/h	140 m³/h	200 m³/h
Rotation speed/ belt speed	223/3,5 RPM	142/3,7 RPM	142/3,7 RPM
Drum diameter	Ø300 mm	Ø500 mm	Ø500 mm
Bucket/m. belt	6/10 pcs.	8,5 pcs.	7 pcs.
Bucket volume, horizontal/max	0,5/0,68 L	0,9/1,29 L	2,4/3,08 L
Material thickness, buckets	1,5 mm	1,5 mm	2,0 mm
Belt width	150 mm	200 mm	280 mm
Belt type/standard	EP500/4	EP500/4	EP500/4
Plate thickness, head/boot	2,0 mm	3,0 mm	3,0 mm
Plate thickness, extension	1,5 mm	1,5 mm	2,0 mm

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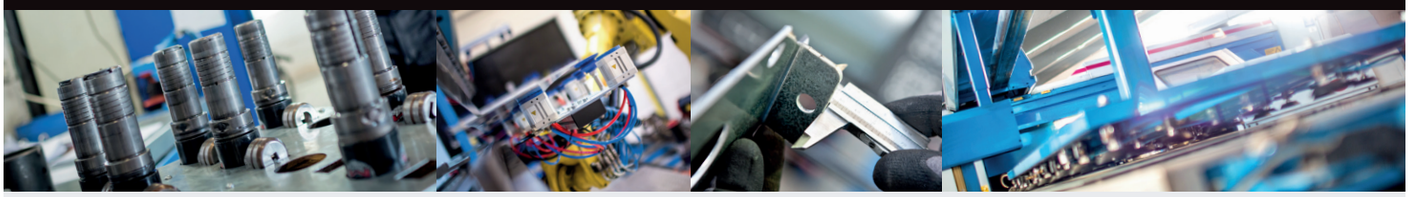
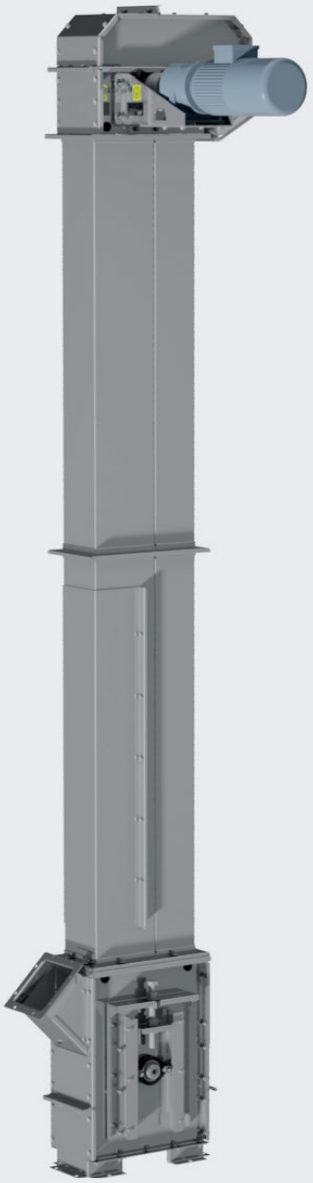
BUCKET ELEVATOR
TYPE E11



Bucket elevator type E11 is built in standard elements and can easily be fitted into industrial plants and feed mills.

JEMA AGRO bucket elevator is made of galvanized steel and designed for industrial use and thus a very large number of operating hours. The bucket elevator is designed for the transport of bulk goods, meal feed, grains and granules. E11 elevator can optionally be fed in either up going side or down going side. The capacity is the same.



Standard equipment:

- Foot geared motor with back stop
- Wear plate in elevator head
- Removable elevator top
- Tightening function in elevator boot
- Cleaning hatch in elevator boot
- Elevator feet
- Inlet piece 45°
- Elevator extension with inspection cover
- Speed control monitor
- Antistatic belt with plastic elevator buckets

Accessories:

- Transition pieces and pipe
- Extra inlet
- Inlet shutter
- Inlet 45° for inlet shutter
- Aspiration socket
- Misalignment sensor
- Extra feet
- Inlet for auger
- Service platform, ladder, and resting platform

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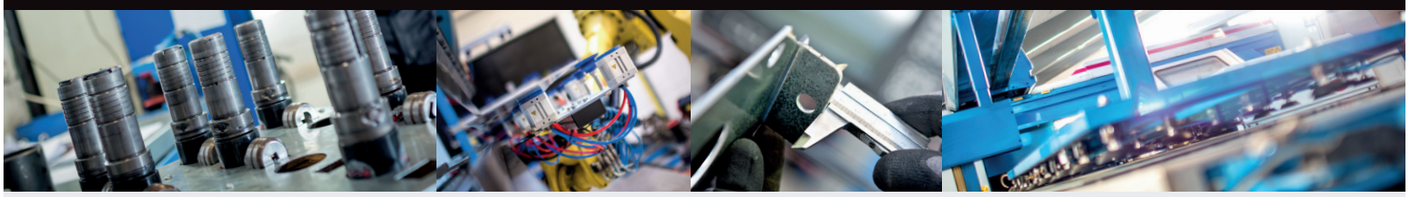
ENGINEERING GRAIN HANDLING TOGETHER

BUCKET ELEVATOR
TYPE E11

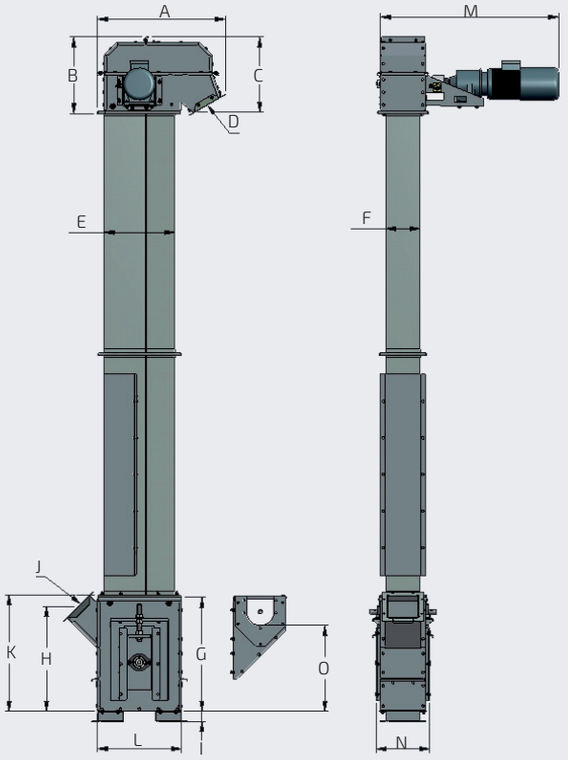


Dimensions E11 Bucket elevator:

	A	B	C	D	E
E11	510	305	300	125x125	278

	F	G	H	I	J
E11	135	450	420	40	125x125

	K	L	M	N	O
E11	460	335	705	215	340



Technical specifications:

	E11
Capacity based on 750 kg/m³ (wheat) t/h	5,25 t/h
Capacity m³/h	7 m³/h
Rotation speed	415 RPM
Belt speed	2,17 m/s
Drum diameter	Ø100 mm
Bucket/m. belt	10 pcs
Bucket volume, horizontal/max	0,06/0,16 Liters
Material thickness, buckets	1,0 mm
Belt width	100 mm
Belt type	EP400/3
Plate thickness, head	2/3 mm
Plate thickness, boot	2/3 mm
Plate thickness, extension	1,5 mm
Max height	10 m

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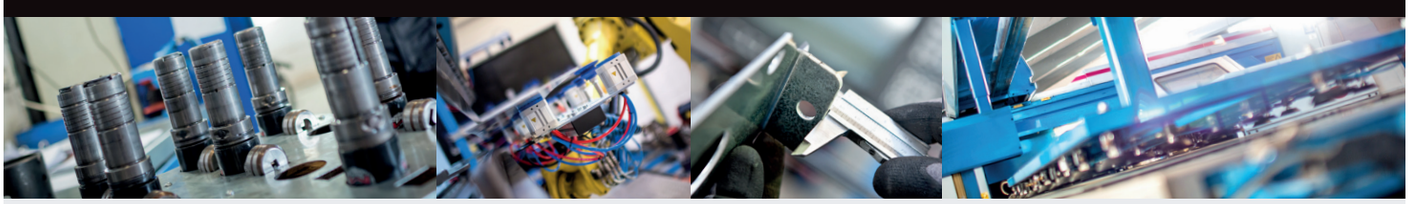
BUCKET ELEVATOR
TYPE E300



The Bucket elevator type E300 is made of standard elements which, through combination, can easily be fitted into any conveying installation.

The JEMA AGRO bucket elevator is made of galvanised steel, which makes it particularly suitable for outdoor applications. It works effectively and has low power consumption in relation to its capacity. We have designed the machine to be stable in tall versions and to be capable of running continuously for many hours. The bucket elevator is designed for industrial transport of grain, granulates, and other bulk goods. Regarding capacity, the elevator is designed for lifting materials from a JEMA intake conveyor to a JEMA chain conveyor. The upward and downward side of the bucket elevator can be fed with the same capacity.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Wear plate in elevator head
- Removable elevator top
- Self cleaning drive/ tightening drum
- Tightening function in elevator boot
- Cleaning hatch in elevator boot
- Elevator feet
- Inlet piece 90°
- Elevator extension with inspection cover
- Back stop
- Speed control monitor
- Antistatic belt with steel bucket

Accessories:

- Cover for geared motor
- Inlet piece 45° and 3-way inlet
- 2-way switch 45°/90°, transition pieces and pipe
- Inlet shutter
- Aspiration socket
- Misalignment sensor
- Explosion outlet
- Oil resistant belt
- Extra feet
- Service platform, ladder, and resting platform

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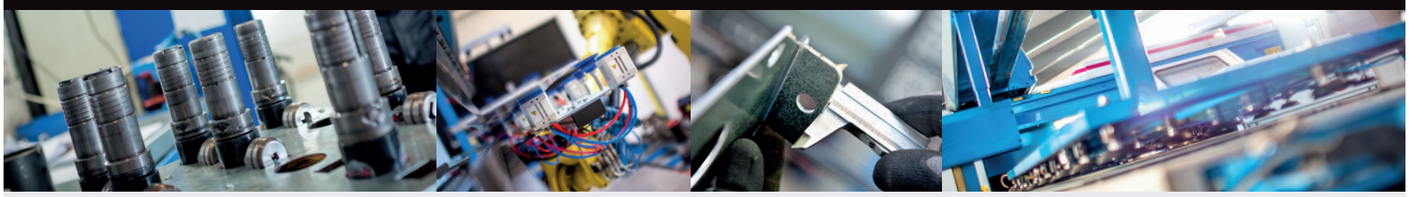
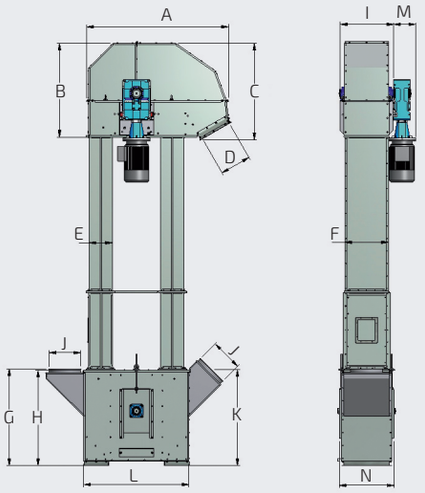
BUCKET ELEVATOR
TYPE E300





Dimensions E300 Bucket elevator:

	A	B	C	D	E	F	G	H	I	J
E300	1820	1200	1250	400x400	300	558	1235	1230	675	Ø400

	K	L	M 7,5 kW	M 11 kW	M 15 kW	M 18,5 kW	M 22 kW	M 30 kW	N
E300	1250	1350	300	300	300	300	350	350	705

Technical specifications:

	E300
Capacity based on 750 kg/m³ (wheat) t/h	225 t/h
Capacity m³/h	300 m³/h
Rotation speed	112 RPM
Belt speed	3,75 m/s
Drum diameter	Ø640
Bucket with belt	6 pcs
Bucket volume, horizontal/max	5,86/7,6 liters
Material thickness, buckets	2,5 mm
Belt width	400 mm
Belt type/standard	EP630/5
Plate thickness, head	4/3 mm
Plate thickness, boot	4/3 mm
Plate thickness, extension	2 mm

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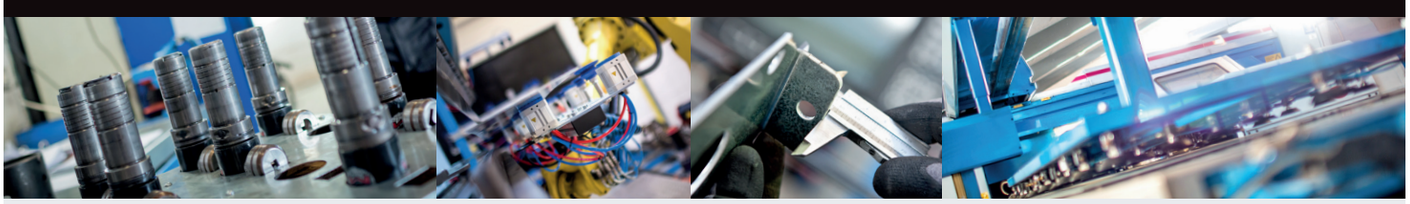
BELT CONVEYOR
TYPE T50 / T51 / T52



Belt conveyor type T50/T51/T52 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO belt conveyor is manufactured in galvanised steel and designed in a light and easy-to-assemble modular system. All 3 types are constructed with rollers. They have a low noise level, and have in relation to their capacity a low power consumption.

The belt conveyor can transport materials in both directions. There is also a possibility for transport at an upward angle of up to 30° using carriers, however, with reduced capacity. The belt conveyor is designed for industrial purpose, and it is suitable for gentle transport of most materials.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- EP-belt
- Support rollers each 0,5 m
- Returning rollers each 2,0 m
- Shielding for drive station /tightening section
- Tightening in both drive station and tightening section

Accessories:

- Inlet hoppers
- Outlet skirts/outlet hoppers
- Cover for top/bottom
- Speed control monitor
- Moveable tripper carriage
- Drive winch for tripper carriage
- Belt with vulcanised v-carriers
- Runners for adjustable support fittings
- Belt guide rollers
- Belt scraper internal
- Belt scraper external
- Side extensions
- Oil resistant belt
- Outlet deviser

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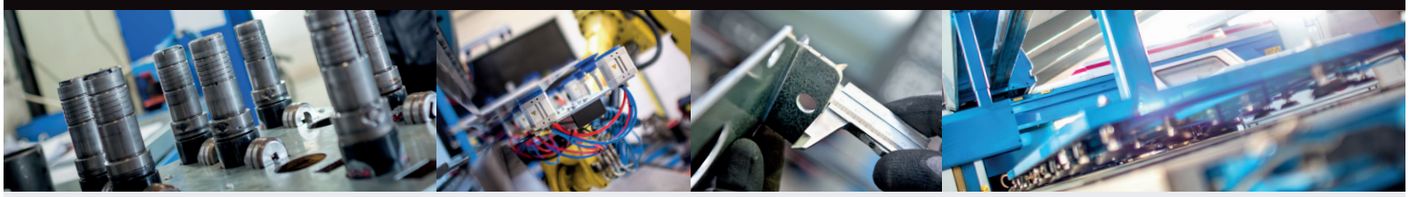
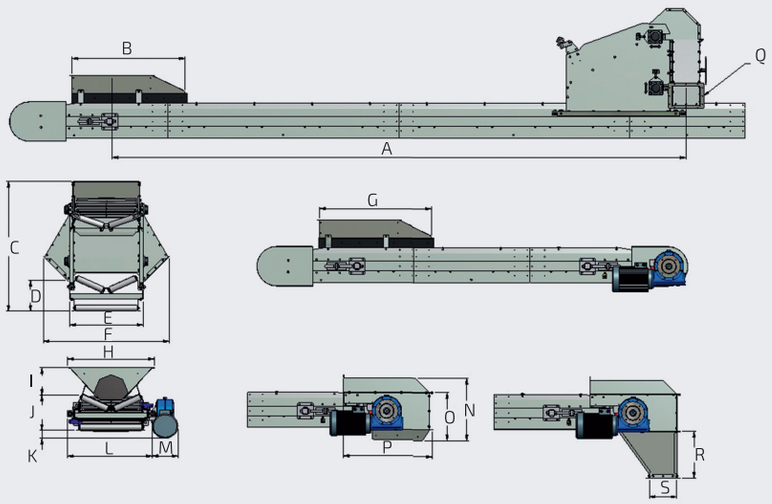
BELT CONVEYOR
TYPE T50 / T51 / T52





Dimensions T50/T51/T52:

	A	B	C	D	E	F	G	H	I
T50	Min. 5000	1000	955	320	535	1000	1000	650	215
T51	Min. 5000	1000	1150	300	635	1100	1000	750	215
T52	Min. 5000	1150	1225	300	785	1330	1150	900	215

	J	K	L	M	N	O	P	Q	R	S
T50	300	70	650	200	540	415	780	240 x 240	400	240 x 240
T51	300	70	750	200	540	415	780	240 x 240	400	240 x 240
T52	300	70	900	200	540	415	780	300 x 300	400	300 x 300

Technical specifications:

	T50	T51	T52
Capacity based on 750 kg/m³ (wheat) t/h	60 t/h	105 t/h	150 t/h
Capacity m³/h	80 m³/h	140 m³/h	200 m³/h
Rotation speed	150 RPM	150 RPM	150 RPM
Belt speed	2,3 m/s	2,3 m/s	2,3 m/s
Drum diameter	Ø300 mm	Ø300 mm	Ø300 mm
Belt width	400 mm	500 mm	650 mm
Belt type	EP250/2	EP250/2	EP250/2
Plate thickness, drive station/ tightening section	2/3 mm	2/3 mm	2/3 mm
Plate thickness, extension	2/3 mm	2/3 mm	2/3 mm

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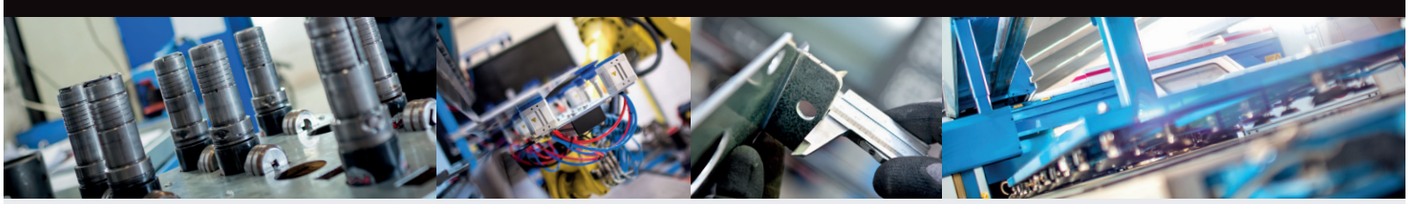
BELT CONVEYOR
TYPE BC400



Belt conveyor type BC400 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO belt conveyor is manufactured in galvanized steel and designed in a light and easy-to-assemble modular system. Type BC400 is designed with guide rollers. The belt conveyor is quiet, and has low power consumption in relation to its capacity.

The belt conveyor can transport materials in both directions. There is also the possibility for transport at an upward angle of up to 30° using carriers, however, with reduced capacity. The belt conveyor is designed for industrial purpose, and it is suitable for gentle transport of most materials.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- EP-belt
- Support rollers each 0,5 m
- Returning rollers each 2,0 m
- Shielding for drive station/tightening section
- Tightening in both drive station and tightening section

Accessories:

- Inlet hoppers
- Outlet skirts/outlet hoppers
- Cover for top/bottom
- Speed control monitor
- Moveable tripper carriage
- Drive winch for moving the tripper carriage
- Belt with vulcanised v-carriers
- Belt guide rollers
- Belt scraper external
- Belt scraper internal
- Side extensions
- Oil resistant belt
- Outlet deviser

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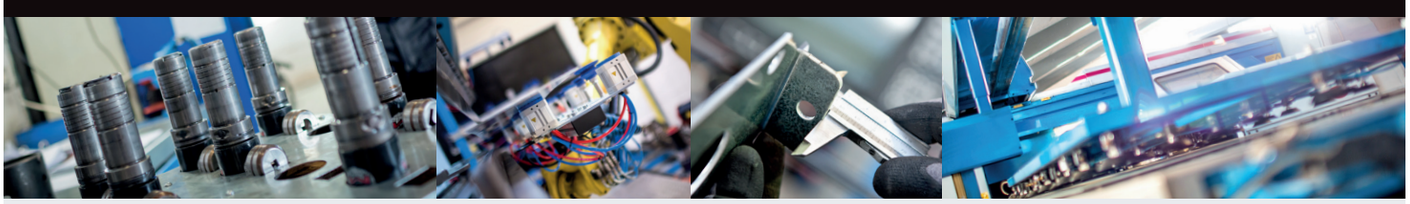
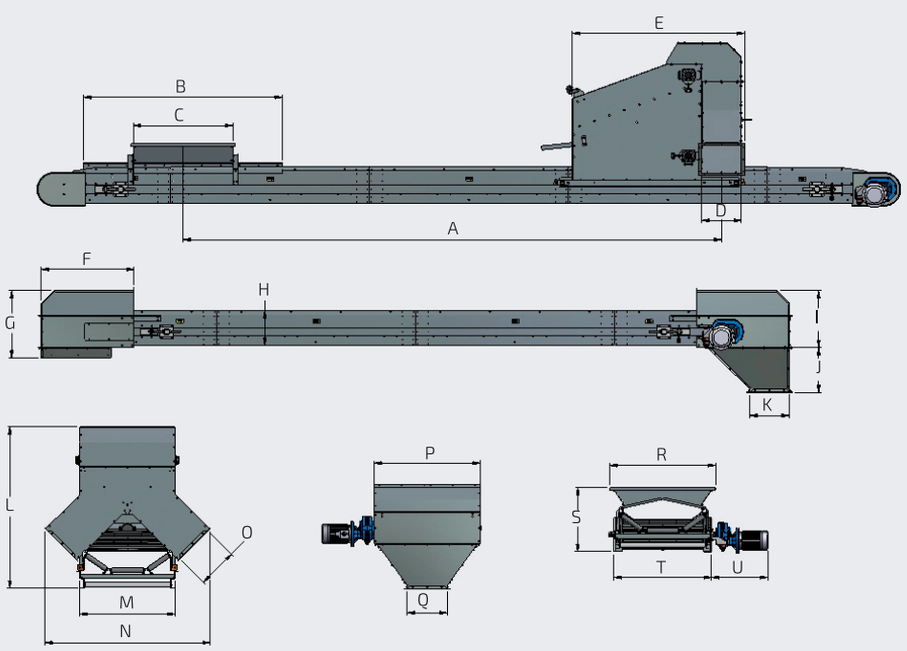
BELT CONVEYOR
TYPE BC400





Dimensions BC400:

	A	B	C	D	E	F	G	H	I	J	K
BC400	Min. 11000	2000	1000	400 x 400	1730	935	680	360	572	450	400 x 400

	L	M	N	O	P	Q	R	S	T	U
BC400	1630	960	1666	400 x 400	1070	400 x 400	1065	645	982	690

Technical specifications:

	BC400
Capacity based on 750 kg/m³ (wheat) t/h	300 t/h
Capacity m³/h	400 m³/h
Rotation speed	150 RPM
Belt speed	2,3 m/s
Drum diameter	Ø300 mm
Belt width	800 mm
Belt type	EP250/2
Plate thickness, drive station/ tightening section	2/3 mm
Plate thickness, extension	2/3 mm

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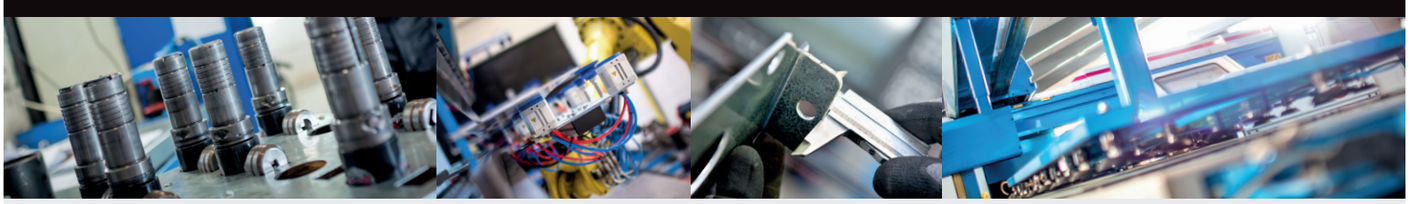
CHAIN CONVEYOR
TYPE T44 / T45



Chain conveyor type T44/T45 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO chain conveyor is made in galvanised material, which makes it particularly suitable for outdoor applications. The chain conveyor T44/T45 is designed for industrial transport of grain, granulates, and other bulk goods. A quality roller chain fitted with rubber carriers ensures that all material transport is conducted quietly, safely, and effectively.

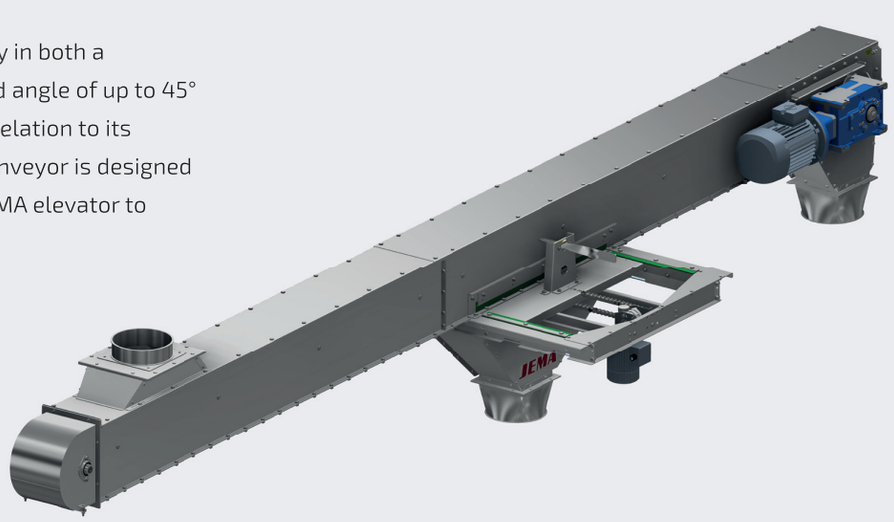
The chain conveyor works effectively in both a horizontal position and at an upward angle of up to 45° and has low power consumption in relation to its capacity. As regards capacity, the conveyor is designed for transporting materials from a JEMA elevator to storage or to a JEMA belt conveyor.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper 90°
- Rubber carriers
- Elevator boot/ tightening section
- Drive station with tensioner
- Inspection cover in elevator boot/ tightening section
- Inlet

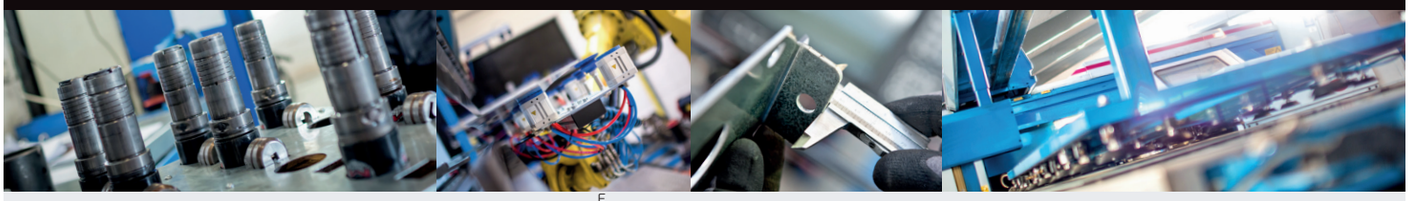
Accessories:

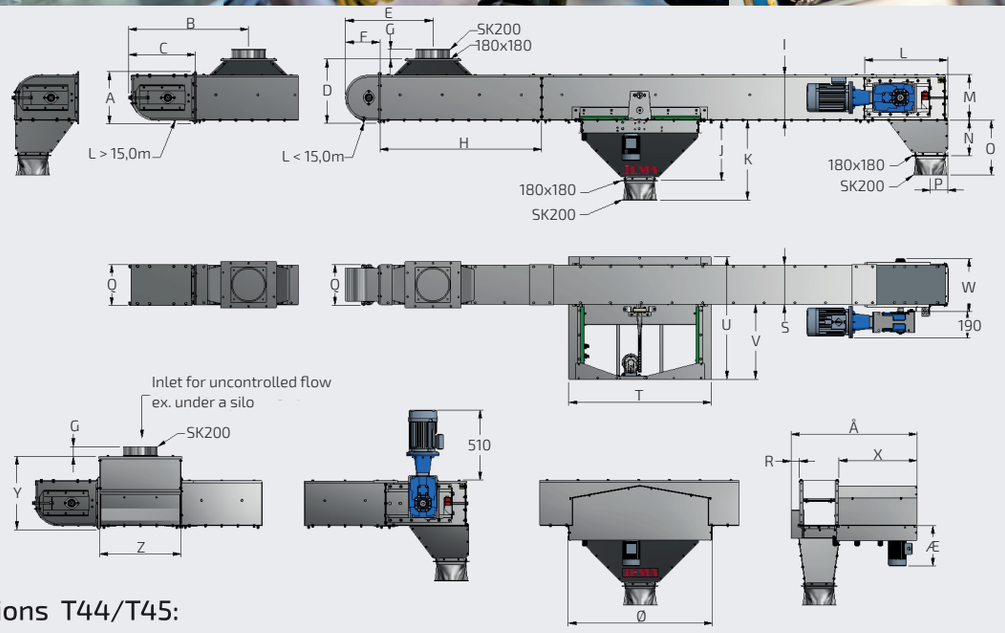
- Intermediate outlet
- Cover for intermediate outlet
- Outlet hopper for intermediate outlet
- Shutter for drive station/ tightening section
- Cover for geared motor
- Wire suspension
- Speed control monitor
- PEHD 1000 bottom



JEMA
ENGINEERING → GRAIN HANDLING → TOGETHER

CHAIN CONVEYOR
TYPE T44 / T45





Dimensions T44/T45:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
T44	325	742	415	398	542	215	60	2000/1000/500/250	279	374	494	515	284	220
T45	325	742	415	398	542	215	60	2000/1000/500/250	279	374	494	515	284	220

	O	P	Q	R	S	T	U	V	W	X	Y	Z	Æ	Ø	Å
T44	340	112	190	51	180	886	758	463	264	484	455	500	260	897	714
T45	340	112	255	51	245	886	758	463	329	484	455	500	260	897	779

Technical specifications:

	T44	T45
Capacity based on 750 kg/m³ (wheat) t/h	30 t/h	60 t/h
Capacity m³/h	40 m³/h	80 m³/h
Rotation speed	180 RPM	180 RPM
Chain speed	1,1 m/s	1,1 m/s
Pitch on chain	41,4 mm	41,4 mm
Tensile strength (Dynamic)	min. 17,8 kN	min. 17,8kN
Carrier, material	Rubber	Rubber
Plate thickness, drive station	3 mm	3 mm
Plate thickness, boot/ tightening section	3/1,5 mm	3/1,5 mm
Plate thickness extension	2/1,5 mm	2/1,5 mm

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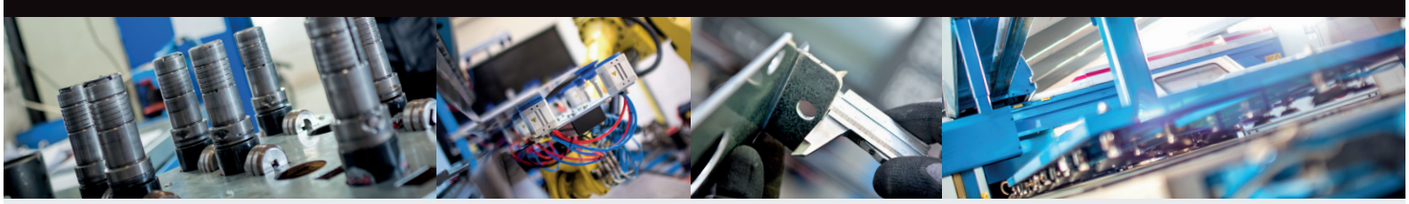
CHAIN CONVEYOR
TYPE T49 / T57



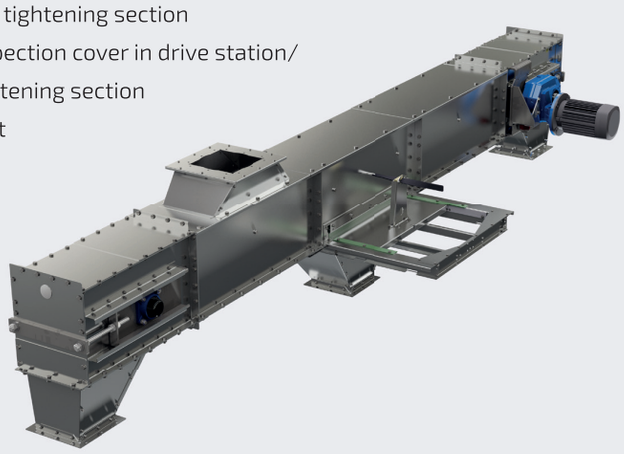
Chain conveyor type T49/T57 is made up of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO chain conveyor is made in strong galvanised material, which makes it particularly suitable for outdoor applications. The chain conveyor T49/T57 is designed for industrial transport of grain, granulates, and other bulk goods. A steel chain fitted with synthetic carriers ensures that all material transport is conducted quietly, safely, and effectively.

The chain conveyor works effectively in both a horizontal position and at an upward angle of up to 30° and has low power consumption in relation to its capacity. As regards capacity, the elevator is designed for transporting materials from a JEMA bucket elevator to storage or to a JEMA belt conveyor.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper for drive station/ tightening section
- Plastic carriers will be delivered mounted from JEMA.
- Cleaning hatch in drive station/ tightening section
- Tightening possibilities in both drive station and tightening section
- Inspection cover in drive station/ tightening section
- Inlet



Accessories:

- Intermediate outlet
- Outlet hopper for intermediate outlet
- Outlet hopper 30°
- Shutter for drive station/ tightening section
- Adjustable endplate in tightening section for keeping it clean
- Cover for geared motor
- Cover for intermediate outlet
- Wire suspension
- Blockits sensor
- PEHD 1000 bottom

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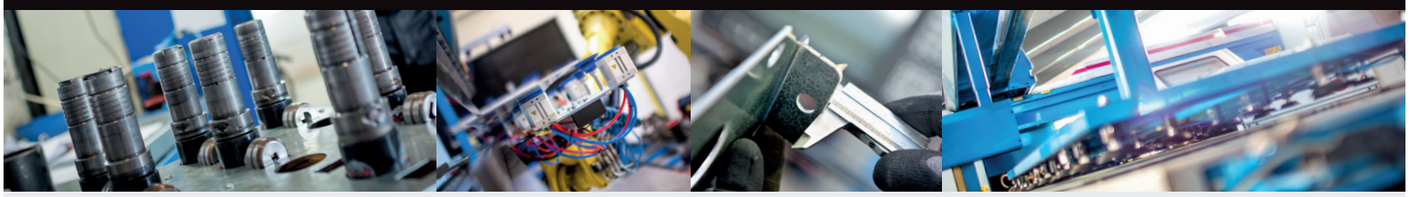
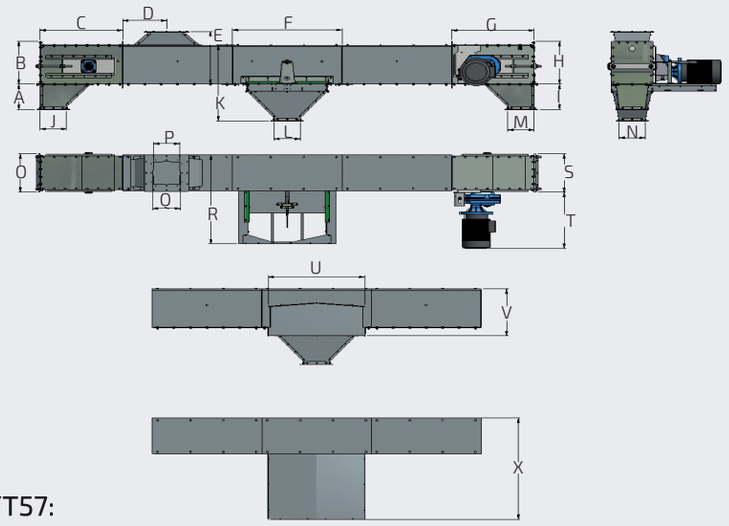
ENGINEERING GRAIN HANDLING TOGETHER

CHAIN CONVEYOR
TYPE T49 / T57





Dimensions T49/T57:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
T49	275	464	753	400	570	1000	753	464	275	240	820	240	240	240
T57	275	464	753	425	570	1000	753	464	275	300	820	300	300	300

	O	P	Q	R	S	T 3,0 kW	T 4,0 kW	T 5,5 kW	T 7,5 kW	T 11 kW	T 15 kW	U	V	X
T49	414	240x240	Ø250	960	414	550	585	620	650	730	780	880	510	1095
T57	524	300x300	Ø300	1070	524	550	585	620	650	730	780	880	510	1205

Technical specifications:

	T49	T57
Capacity based on 750 kg/m³ (wheat) t/h	105 t/h	150 t/h
Capacity m³/h	140 m³/h	200 m³/h
Rotation speed	45/60 RPM	45/60 RPM
Chain speed	0,79/0,99 m/s	0,79/0,99 m/s
Pitch on chain	125 mm	125 mm
Tensile strength	118 kN	118 kN
Carrier, materials	PEHD 1000	PEHD 1000
Sprocket wheel, teeth	8 pcs	8 pcs
Plate thickness, drive station	3 mm	3 mm
Plate thickness, tightening section	3 mm	3 mm
Plate thickness, extension	3/1,5 mm	3/1,5 mm

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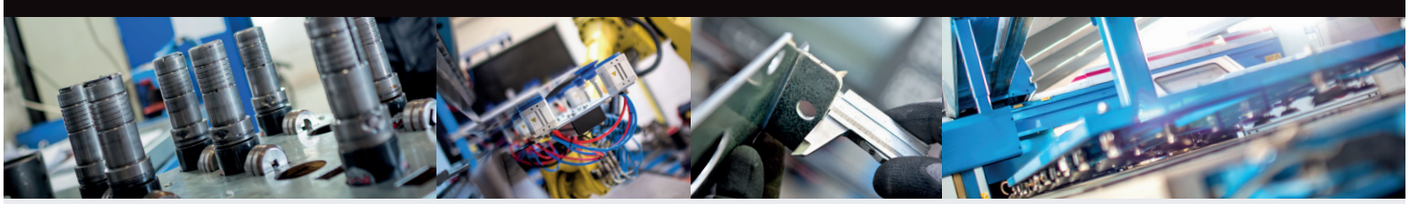
CHAIN CONVEYOR
TYPE C300



Chain conveyor type T49/T57 is made of standard elements which,through combination, can easily be fitted into any conveying installation.

The JEMA AGRO chain conveyor is made of strong galvanised material, which makes it particularly suitable for outdoor applications.The chain conveyor C300 is designed for industrial transport of grain, granulates, and other bulk goods. A steel chain fitted with synthetic carriers ensures that all material transport is conducted quietly, safely, and effectively.

The chain conveyor works effectively in both horizontal position and at an upward angle of up to 5° and has low power consumption in relation to its capacity. Regarding capacity, the elevator is designed for transporting materials from a JEMA bucket elevator to storage or to a JEMA belt conveyor.

Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Outlet hopper for drive station/ tightening section
- PEHD carriers
- Cleaning hatch in drive station/ tightening section
- Tightening possibilities in both drive station and tightening section
- Inspection cover in drive station / tightening section
- Inlet piece

Accessories:

- Intermediate outlet
- Outlet hopper for intermediate outlet
- Adjustable endplate in tightening section for keeping it clean
- Inlet piece for inspection cover
- Cover for geared motor
- Cover for intermediate outlet
- Blockits sensor

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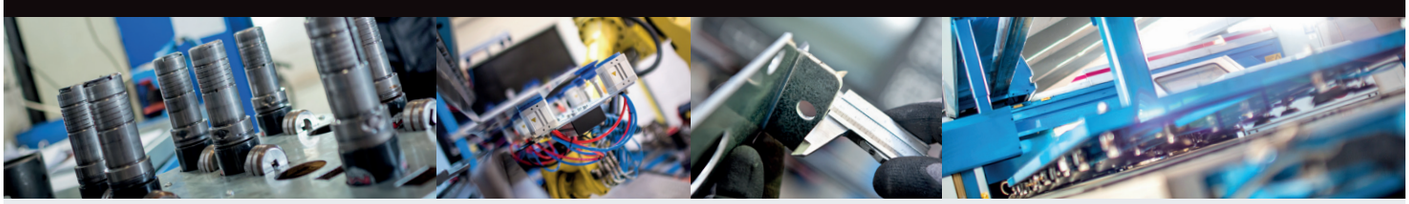
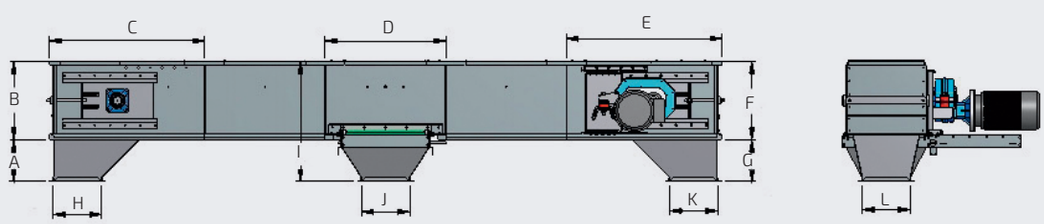
ENGINEERING GRAIN HANDLING TOGETHER

CHAIN CONVEYOR
TYPE C300





Dimensions C300 Chain conveyor:

	A	B	C	D	E	F	G	H	I
C300	345	650	1290	1000	1290	650	345	400	990

	J	K	L	M	N	O	P 7,5 kW	P 11 kW	P 15 kW
C300	400	400	400	720	1480	720	800	830	882

Technical specifications:

	C300
Capacity based on 750 kg/m³ (wheat) t/h	225 t/h
Capacity m³/h	300 m³/h
Rotation speed	22 RMP
Chain speed	0,55 m/s
Pitch on chain	125 mm
Tensile strength	118 kN
Carrier, materials	PEHD 1000
Sprocket wheel, teeth	12 pcs
Plate thickness, drive station top/side/bottom	2/4/5 mm
Plate thickness, tightening section top/side/bottom	2/4/5 mm
Plate thickness, extension top/side/bottom	2/3/5 mm

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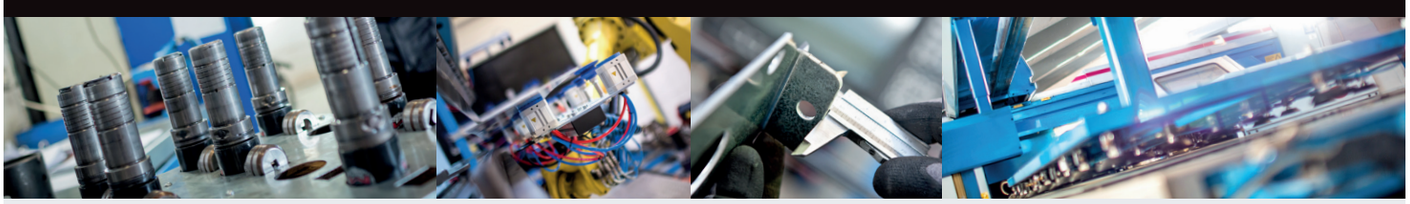
DISTRIBUTION AUGER
TYPE T32



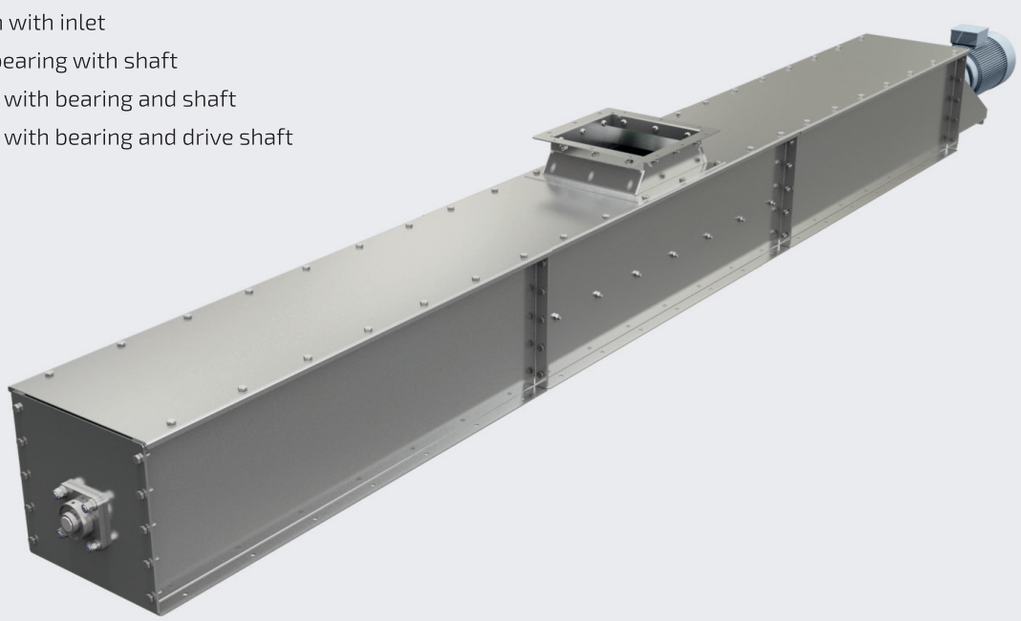
The JEMA AGRO leveling auger is consisting of standard elements that can be combined to fit any transport system.

The T32 distribution auger is made of galvanized steel, and is designed in an easily fitted modular system. It has a low noise level, and has in relation to its capacity a low power consumption. The T32 distribution auger is designed for transport of grain and other bulk material.

The distribution auger is designed for filling material in to indoor silos. The capacity of the distribution auger is adjusted so that the capacity corresponds with the capacity of a JEMA chain and flight conveyor.

Standard equipment:

- Foot geared motor
- Motor console
- Auger (right)
- Extension with inlet
- Support bearing with shaft
- End plate with bearing and shaft
- End plate with bearing and drive shaft



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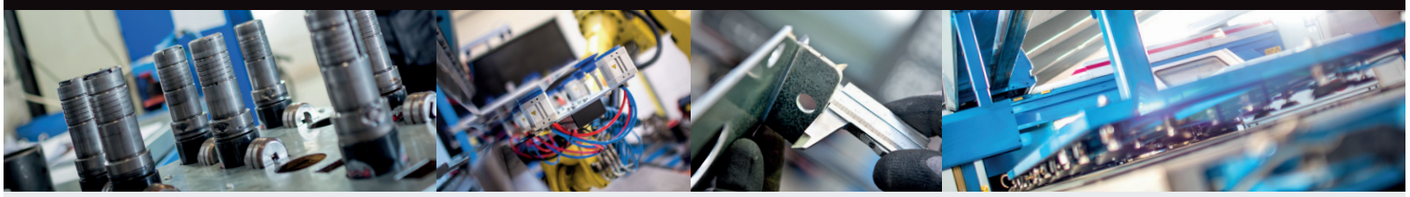
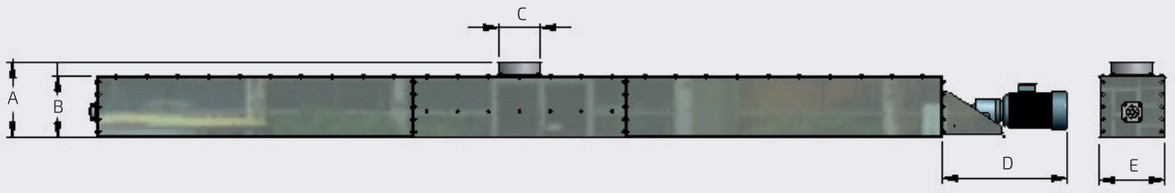
DISTRIBUTION AUGER
TYPE T32





Dimensions T32:

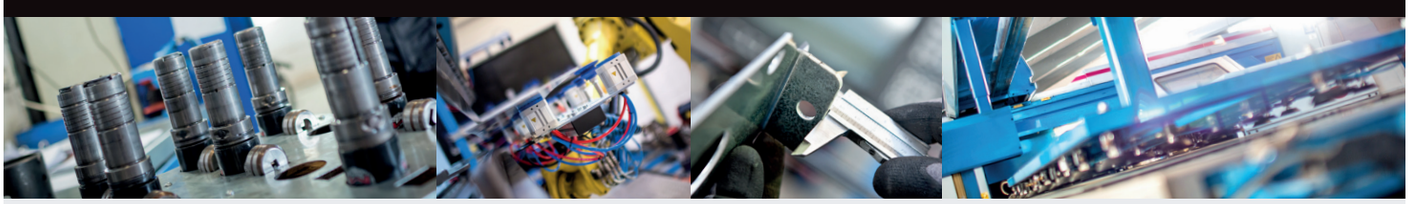
	A	B	C	D	E
T32 45t/h	365	305	Ø200	610	330
T32 105 t/h	385	305	240 x 240	610	330

Technical specifications:

	T32
Capacity by 750 kg/m³ (wheat) t/h	45 / 105 t/h
Capacity m³/h	60 - 140 m³/h
Rotation speed	250 / 405 RPM
Diameter of the auger	Ø180
Distance between the auger threads	S160
Steel thickness, drive station	4 mm
Steel thickness, extension	2 mm

JEMA
ENGINEERING GRAIN HANDLING TOGETHER

DISTRIBUTION AUGER
TYPE T37



The JEMA AGRO leveling auger is a simple solution for distribution of grain. It has a low noise level, and in relation to its capacity, it has a low power consumption.

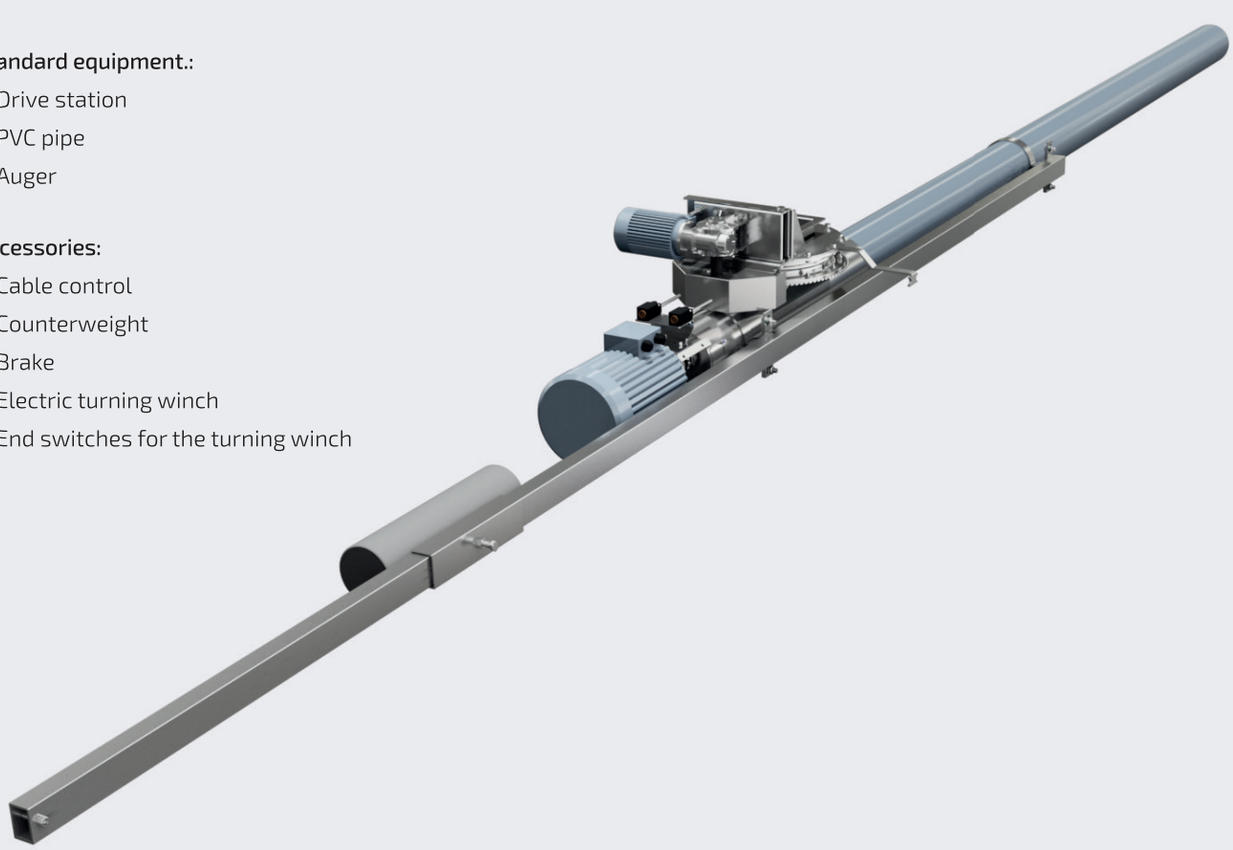
The T37 distribution auger is designed for transport of grain and other bulk material. The distribution auger can be used in spaces with limited height. It is fitted on the outlet of a JEMA T19V belt conveyor. From that position the auger can turn 300° and it can as such be used for filling indoor silos and bays. Furthermore the T37 distribution auger is handy for filling of flat floor storages. When fitted on a JEMA T19V belt conveyor, it can distribute grain evenly over the entire surface (within its reach). This can be done by equipping the distribution auger with a turning winch and electric control.

Standard equipment.:

- Drive station
- PVC pipe
- Auger

Accessories:

- Cable control
- Counterweight
- Brake
- Electric turning winch
- End switches for the turning winch



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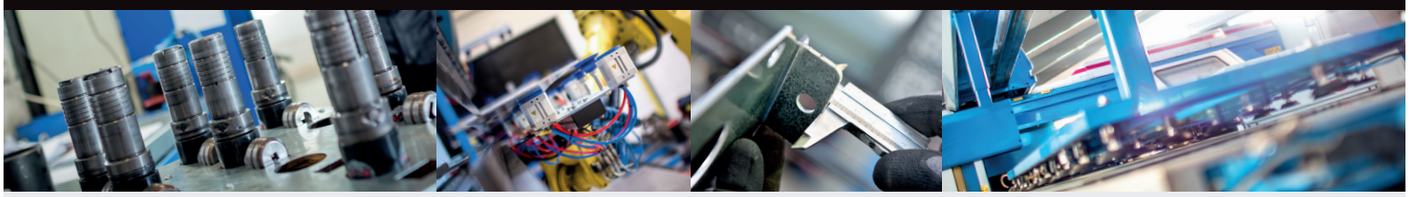
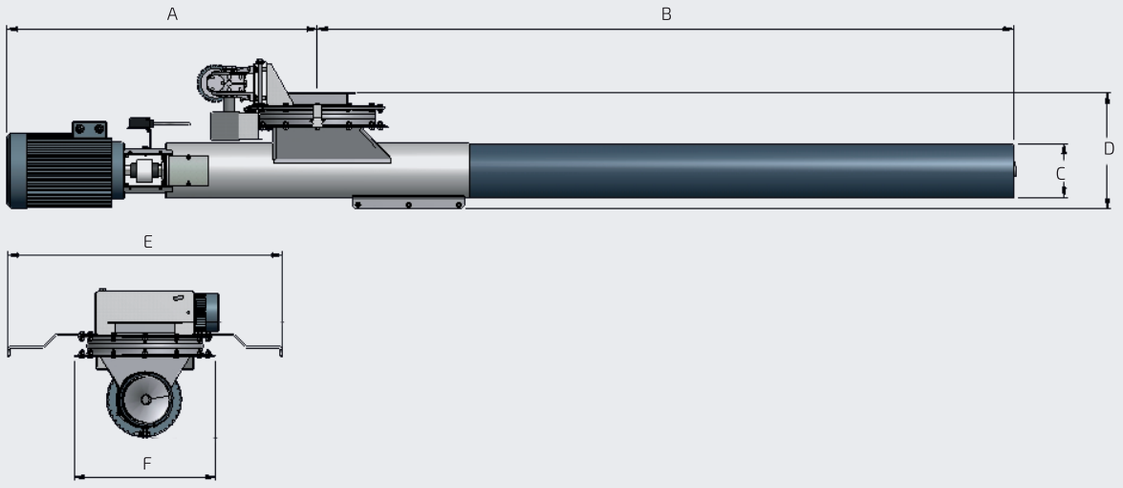
DISTRIBUTION AUGER
TYPE T37





Dimensions T37:

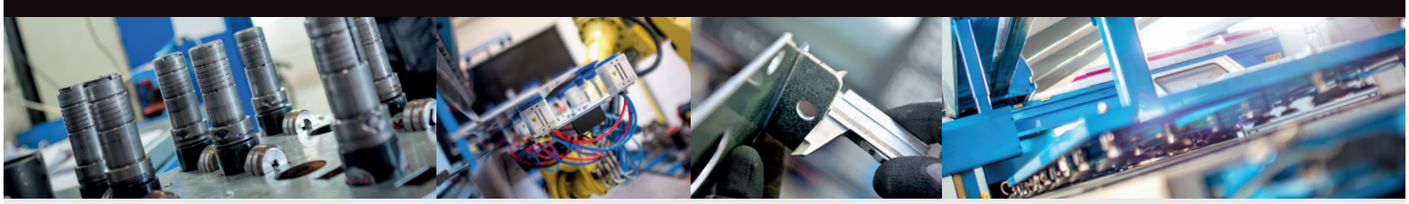
	A	B	C	D	E	F
T37	875	2000/3000/4000	Ø160	350	820	425

Technical specifications:

	T37
Capacity by 750 kg/m³ (wheat) t/h	45 t/h
Capacity m³/h	60 m³/h
Rotation speed	750 RPM
Diameter of the auger	Ø135
Distance between the auger threads	S125
Steel thickness, drive station	3-5 mm

JEMA
ENGINEERING GRAIN HANDLING TOGETHER

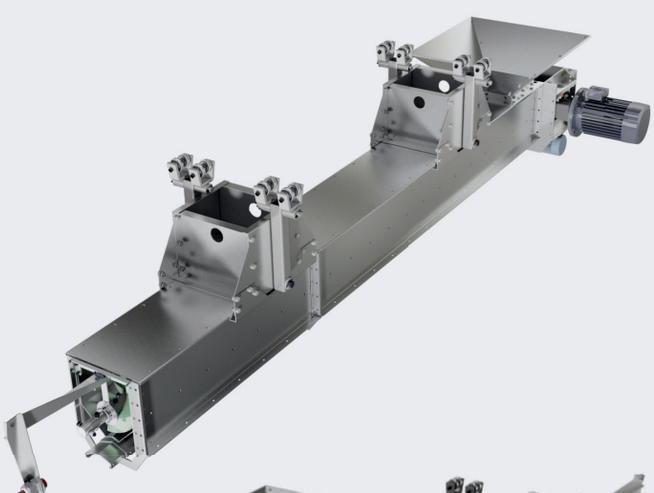
LEVELING AUGER
TYP T56

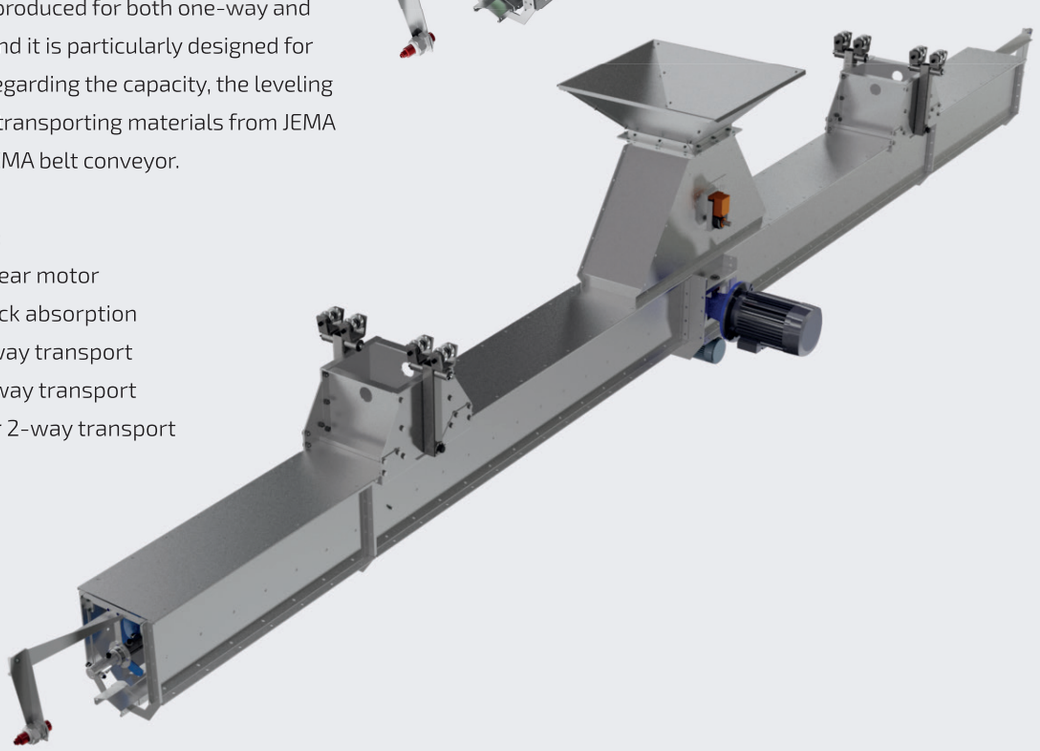


Leveling auger type T56 is made of standard elements which, when correctly combined, can easily be fitted into any conveying installation.

The JEMA AGRO leveling auger is manufactured in galvanized steel and designed in a light and easy-to-assemble modular system. The leveling auger is quiet, and has low power consumption in relation to its capacity. The leveling auger is designed for transportation of grain, granulates and other bulk goods.

The leveling auger is produced for both one-way and two-way transport, and it is particularly designed for filling of flat floors. Regarding the capacity, the leveling auger is designed for transporting materials from JEMA chain conveyor or a JEMA belt conveyor.





Standard equipment:

- Directly mounted gear motor
- Torque arm for shock absorption
- Inlet hopper for 1-way transport
- Inlet hopper for 2-way transport
- Distribution box for 2-way transport
- Auger right/left
- Blockits sensor
- Travelling crabs

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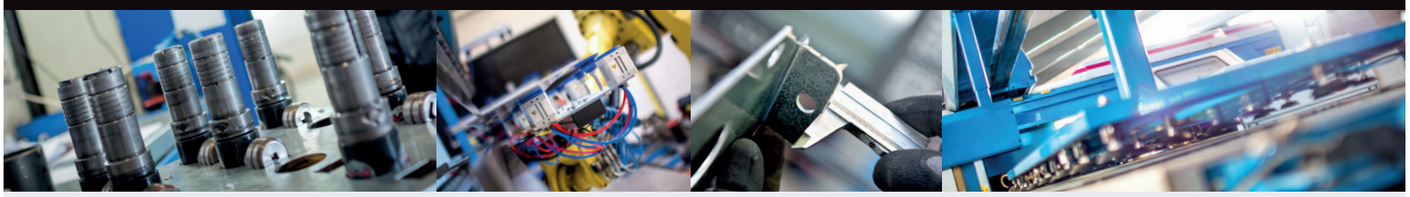
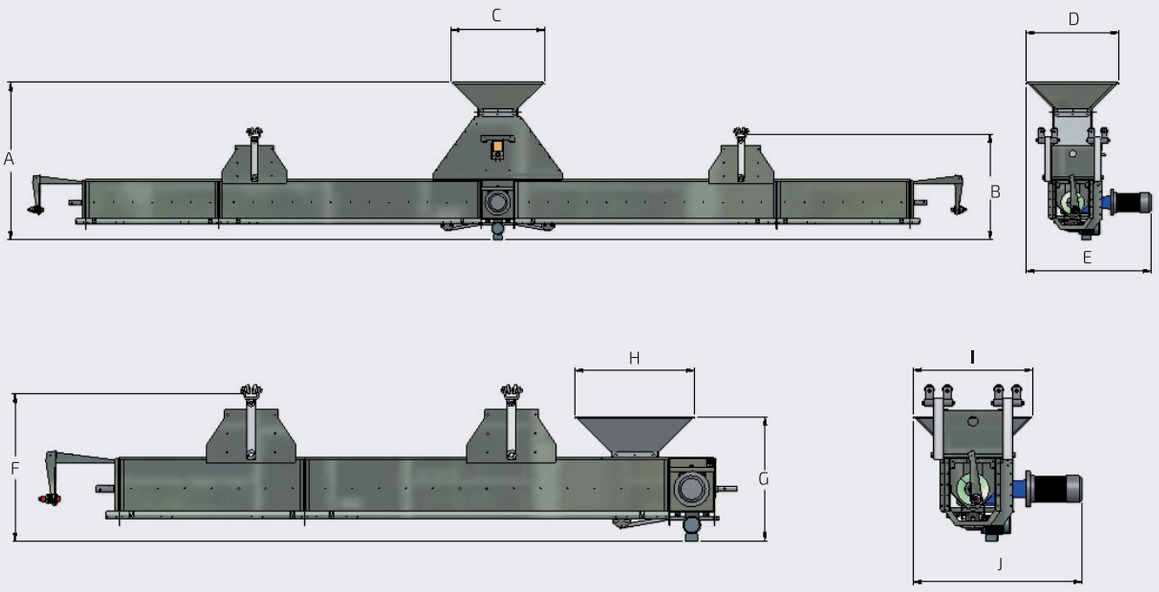
ENGINEERING GRAIN HANDLING TOGETHER

LEVELING AUGER
TYP T56





Dimensions T56:

	A	B	C	D	E	F	G	H	I	J
T56	1230	820	730	730	1100	820	700	670	670	1050

Technical specifications:

	T56
Capacity based on 750 kg/m³ (Wheat) t/h	60-105 t/h
Capacity m³/h	80-140 m³/h
Rotation speed	280/440 RPM
Diameter, auger	Ø180
Screw blading distance, auger	S160
Plate thickness, drive station	3 mm
Plate thickness, extension	2 mm

JEMA
ENGINEERING GRAIN HANDLING TOGETHER

JEMA AgroSystem
Flat Floor Storage System

Intelligent transportation of granulates to flat floor storage systems.

JEMA AgroSystem allows you to transport grain (and other granulates) to a flat floor storage system divided into different compartments and thereby store it at different layers and heights to ensure optimal storage and drying.

JEMA AgroSystem is used to distribute different types of grain in a building.

JEMA AgroSystem allows you to easily distribute grain in a flat floor storage system divided into different compartments. In other words, your flat floor storage system can be converted into a number of cells with individual storage heights.

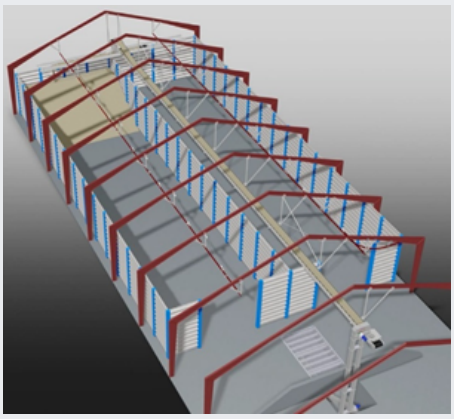
Grain ready for storage is transported to a cell that is filled until the layer reaches the maximum set height. On the other hand, grain for drying is transported to a compartment equipped with air ducts and stored at a depth suitable for drying. One or more additional layers are added to this compartment on the following day, and new layers are added until the desired storage height is reached.

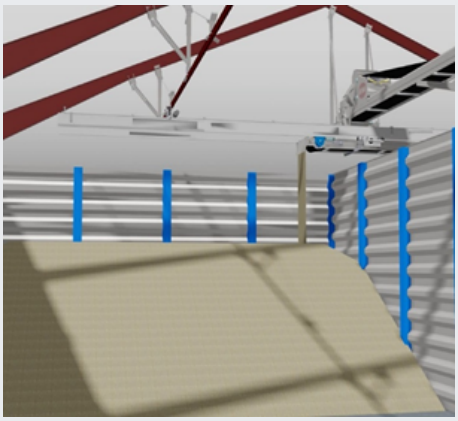
JEMA AgroSystem distributes the grain in each new layer to the exact height that has been input in the operating panel. Once one layer is distributed throughout the cell, the system adds another layer. The system stops when sensors notice that there is no more grain in the intake.

The built-in real-time layer height measurement provides JEMA AgroSystem with a full overview of quantities in the flat floor storage system and gives you a clear indication of your storage costs.

In addition to Flat Floor Storage, the control system can also handle:

- transport equipments such as: augers, chain conveyors and belt conveyors
- Cleaner
- Weighing equipment

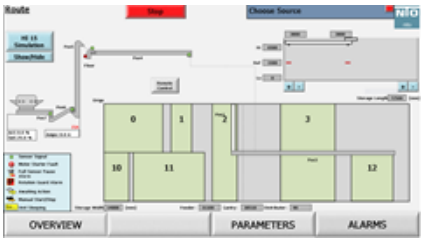


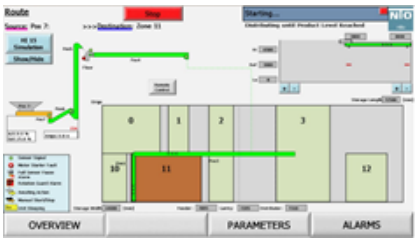


JEMA
ENGINEERING GRAIN HANDLING TOGETHER

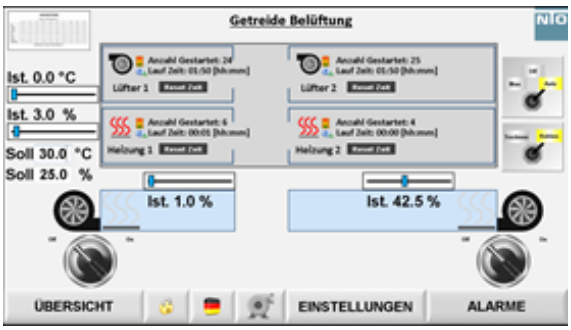
JEMA AgroSystem
Flat Floor Storage System

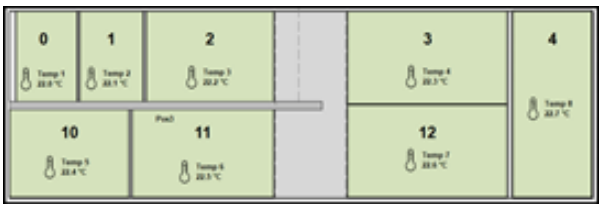
In manual mode, all motors can be started and stopped. The graphic shows which motors are running and which that are stopped.
For manual control of the crossband, is recommended the option with an 8-function remote control or mobile App.





In auto mode, transport routes are easily created via a built-in guide where you define intake and destination cells. Parameter setup is used for defining the maximum height of the flat floor storage layer, the filling speed, and the thickness of each layer of grain. The flat floor storage system is divided into a number of cells. The screen shows the status of the installation at all time, e.g.” Started”. If there are any errors, they are listed in an alarm log where it is possible to reset them.





Drying / cooling control

As an option, the control can handle Drying / Cooling of the product.

- Automatic start / stop of fan in relation to entered program or via sensors
- Sensors for outdoor temperature and humidity.
- Sensors in blowing duct for humidity.
- Sensors for temperature / moisture level of the product.
- Automatic control of external heat.
- The number of operating hours for blower and heat is logged locally.
- Additional fans can be connected and switched on when needed.

Displaying and logging of temperature

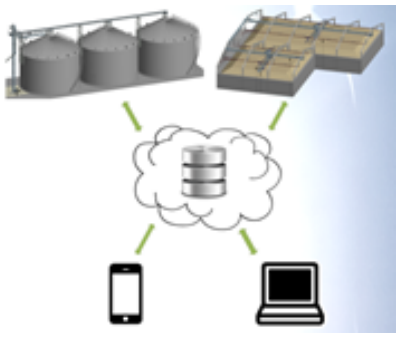
As an option, temperature sensors / rods can be connected to the control.

- Measurement points can be selected and deselected as required.
- All temperatures are logged locally and can be displayed as curves.
- Analog sensors or sensor rods.

NTOlink – Cloud Solution

As an option, the plant can be connected to NTOlink for:

- Electronic logbook
- Quality control and documentation of storage
- Storage Quality Reports
- Online control for high / rising temperature and humidity
- Real-time alarms on Smartphone.
- Reading of operating hours, errors, etc.
- Internet connection for PC, Tablet and mobile.
- Long-term archiving of data values
- Weight reports from in / out storage



JEMA
ENGINEERING GRAIN HANDLING TOGETHER

JEMA AgroSystem
Single-silo

Intelligent transportation of granulates to single silo.

JEMA AgroSystem transports grain (and other granulates) from a chosen position to your desired silo with a few selections on a touch screen with graphic interface and simple user operation.

JEMA AgroSystem handles not only grain but all types of granulates, e.g. seeds, soya, fodder, maize, chips etc. JEMA AgroSystem's intelligence comes from a Beckhoff PLC programmed to provide simple user operation on a 4,3" color touch screen. It shows graphic symbols and only a limited amount of text in the selected local language, which makes the system very user-friendly.

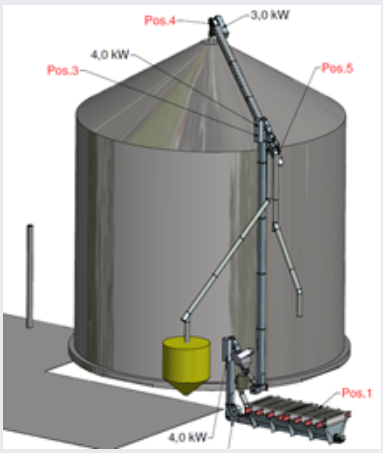
Transport routes are easily created with a built-in guide. The screen shows the status of the system at all times, e.g." Started". If there are any errors, they are listed in an alarm log where it is possible to reset them.

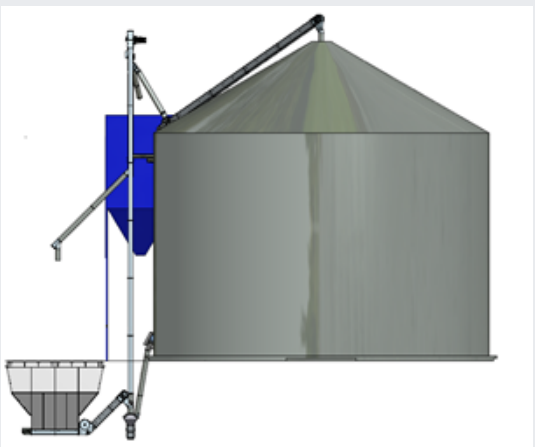
JEMA AgroSystem can manage inbound loads from the inlet to the silo and outbound loads from the silo to a truck at the same time.

The operating panel of the JEMA AgroSystem installation is password-protected. If you need assistance with the JEMA AgroSystem, the system connects for remote assistance via a GSM module on a secure VPN connection. This allows a technician to guide you and take immediate corrective action without having to drive to the site.

In addition to the silo control, the control can also handle:

- Cleaner
- Weighing equipment
- Fans

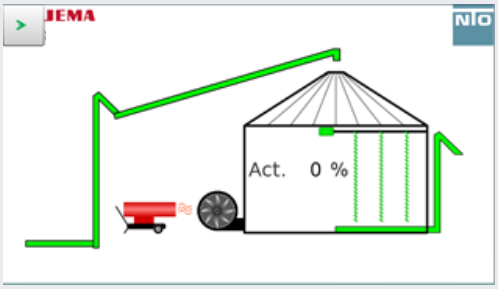


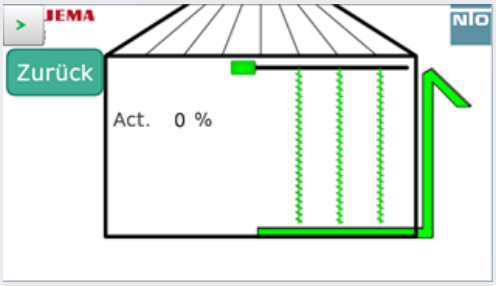


JEMA
ENGINEERING GRAIN HANDLING TOGETHER

JEMA AgroSystem
Single-silo

In manual mode all motors can be started and stopped. The graph shows which motors are running and which there are stopped.



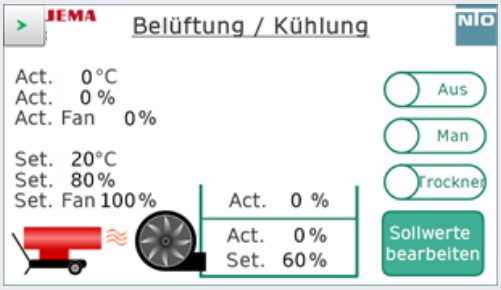


In auto mode, all transport units start from upstream. In case of malfunction all downstream units will stop. During parameter setup, the speed is defined for the individual units that are selected with variable speed. The display shows at any time what status the system is in, e.g., "started". If errors occur, these will be listed in the alarm log, where they can be reset.

Drying / cooling control

As an option, the control can handle Drying / Cooling of the product.

- Automatic start / stop of fan in relation to entered program or via sensors
- Sensors for outdoor temperature and humidity.
- Sensors in blowing duct for humidity.
- Sensors for temperature / moisture level of the product.
- Automatic control of external heat.
- The number of operating hours for blower and heat is logged locally.
- Separate fans for the silo can be connected and switched on as needed.



Displaying and logging of temperature

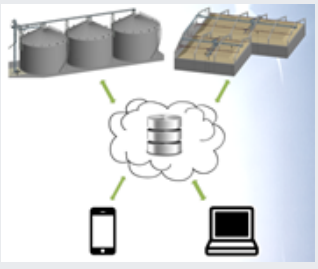
As an option, temperature sensors / rods can be connected to the control.

- Measurement points can be selected and deselected as required.
- All temperatures are logged locally and can be displayed as curves.
- Analog sensors or Igrain sensor rods.

NTOlink – Cloud Solution

As an option, the plant can be connected to NTOlink for:

- Electronic logbook
- Quality control and documentation of storage
- Storage Quality Reports
- Online control for high / rising temperature and humidity
- Real-time alarms on Smartphone.
- Reading of operating hours, errors, etc.
- Internet connection for PC, Tablet and mobile.
- Long-term archiving of data values
- Weight reports from in / out storage



JEMA
ENGINEERING GRAIN HANDLING TOGETHER

JEMA AgroSystem
Multi-silo

Intelligent transportation of granulates to more silos.

JEMA AgroSystem transports grain (and other granulates) from a chosen position to your desired silo with a few selections on a touch screen with graphic interface and simple user operation.

JEMA AgroSystem handles not only grain but all types of granulates, e.g. seeds, soya, fodder, maize, chips etc. JEMA AgroSystem's intelligence comes from a Beckhoff PLC programmed to provide simple user operation on a 7" color touch screen. It shows graphic symbols and only a limited amount of text in the selected local language, which makes the system very user-friendly.

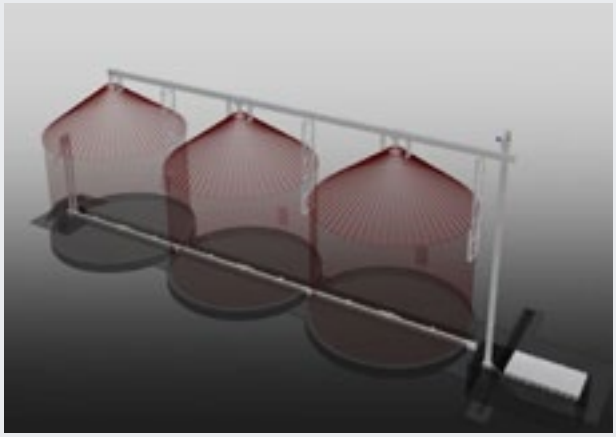
Transport routes are easily created with a built-in 3-step guide. The screen shows the status of the installation at all times, e.g." Started". If there are any errors, they are listed in an alarm log where it is possible to reset them.

JEMA AgroSystem can manage inbound loads from the inlet to the silo and outbound loads from the silo to a truck at the same time.

The operating panel of the JEMA AgroSystem installation is password-protected. If you need assistance with the JEMA AgroSystem, the system connects for remote assistance via a GSM module on a secure VPN connection. This allows a technician to guide you and take immediate corrective action without having to drive to the site.

In addition to the silo control, the control can also handle:

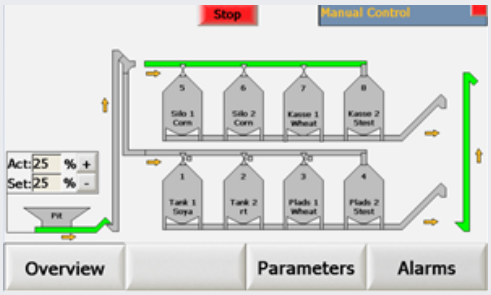
- Cleaner
- Weighing equipment
- Fans

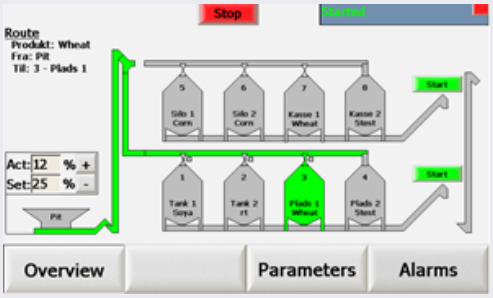


JEMA
ENGINEERING GRAIN HANDLING TOGETHER

JEMA AgroSystem
Multi-silo

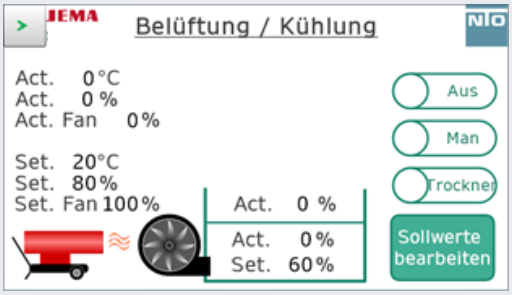
In manual mode all motors can be started and stopped. The graph shows which motors are running and which there are stopped.





In auto mode, transport routes are easily created via a built-in guide, which defines entry and destination. Under parameter setup, product name and transport speed are defined for each product.The display shows at any time what status the system is in, e.g, "started".If errors occur, these will be listed in the alarm log, where they can be reset

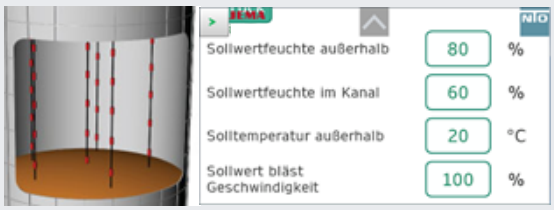
Drying / cooling control



As an option, the control can handle Drying / Cooling of the product.

- Automatic start / stop of fan in relation to entered program or via sensors
- Sensors for outdoor temperature and humidity.
- Sensors in blowing duct for humidity.
- Sensors for temperature / moisture level of the product.
- Automatic control of external heat.
- The number of operating hours for blower and heat is logged locally.
- Separate fans for each silo can be connected and switched on as needed.

Displaying and logging of temperature



As an option, temperature sensors / rods can be connected to the control.

- Measurement points can be selected and deselected as required.
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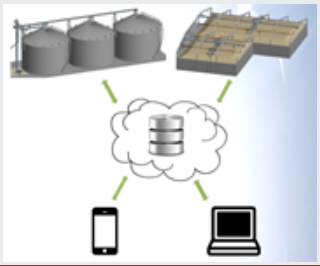
NTOlink – Cloud Solution



As an option, the plant can be connected to NTOlink for:

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www.jema.as

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EXPERIENCE BUILDS

BRIDGE TO THE FUTURE

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