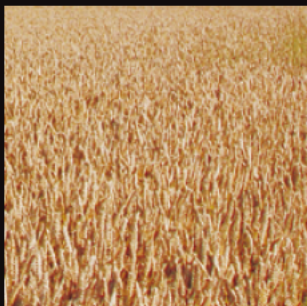


Product Catalogue



JEMA AGRO A/S



JEMA AGRO develop, produce and deliver a complete range of transport systems for grain, seeds and other granulates. The range consists of chain and bucket elevators, chain and flight conveyors and belt conveyors. Grain and seed growers require transport systems planned and constructed for their exact needs for storage of their crops. Pig breeders need grain and feedstuffs contained and handled in a satisfactory and efficient way. The range of JEMA AGRO is the result

of more than 60 years of experience and continuous development in co-operation with our customers. JEMA AGRO, in this way, is able to keep itself up to date with the development through quality and flexibility. Sales takes place through dealers to our customers in Denmark, and through our Importers and partners, to our customers in the individual countries in Europe and the rest of the world. Our transport solutions have obtained international appreciation for their

quality and user friendly design. All standard units can be fitted in a way that produces individual solutions to meet the demands and wishes of all customers.

JEMA AGRO A/S is a privately held, family owned company situated in Sahl, a town in the middle of Denmark. The company is owned and run by the Pedersen family; Axel Pedersen - the son of the founder Jens Pedersen and the third generation brothers Jens-Peter and Michael Pedersen.



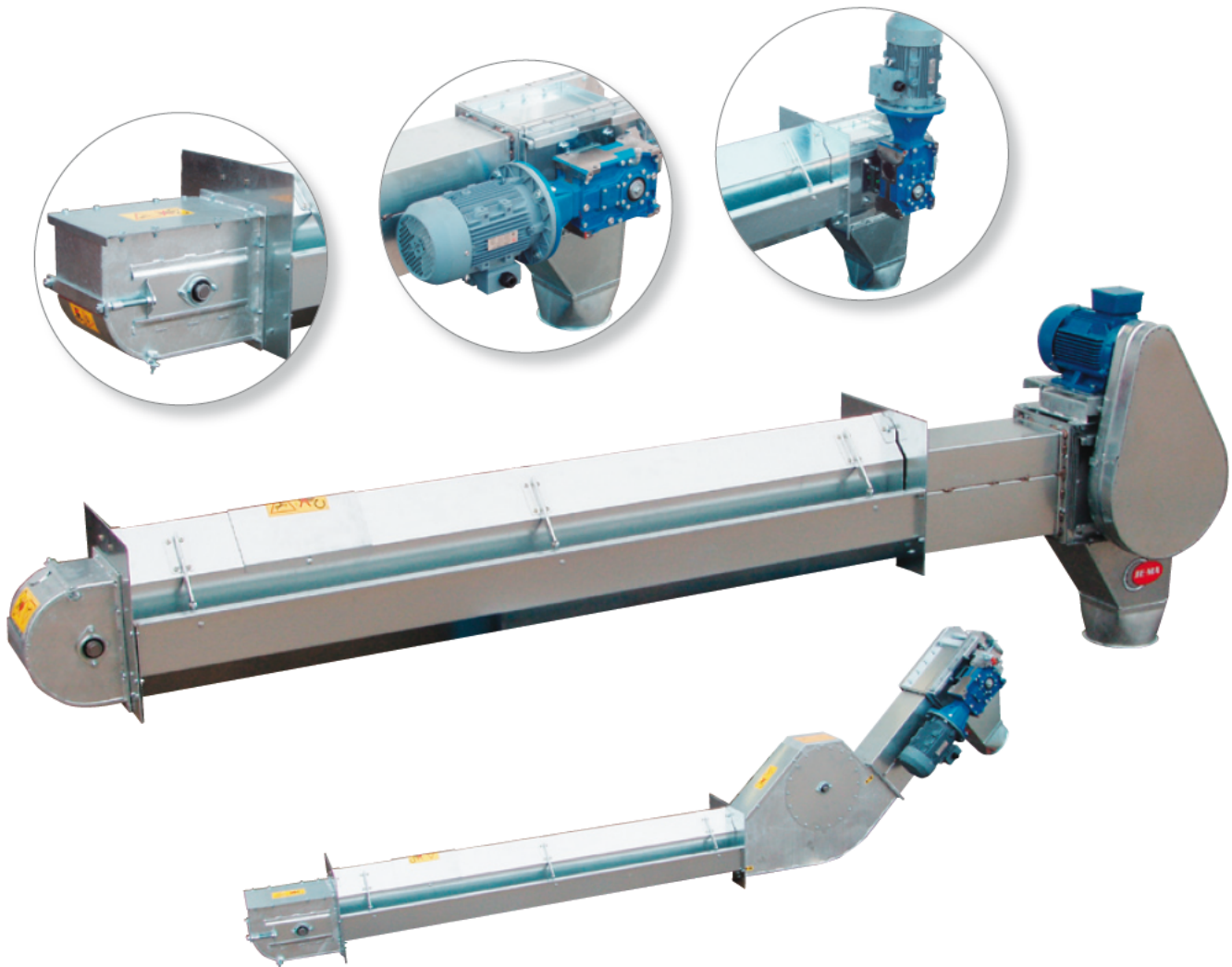
1. The products are designed in a 3D drawing programme. 2+3. metal work is constructed on high technological CNC machines. These machines are compatible with the drawing programme, resulting in a reduction in delivery time from the construction to the customer. 4. Batch produced parts are all robot welded. 5. Bushes and shafts are produced in machine shops.



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Chain & flight conveyor T44, cap. 20-40 t/h

Chain & flight conveyor T45, cap. 40-80 t/h



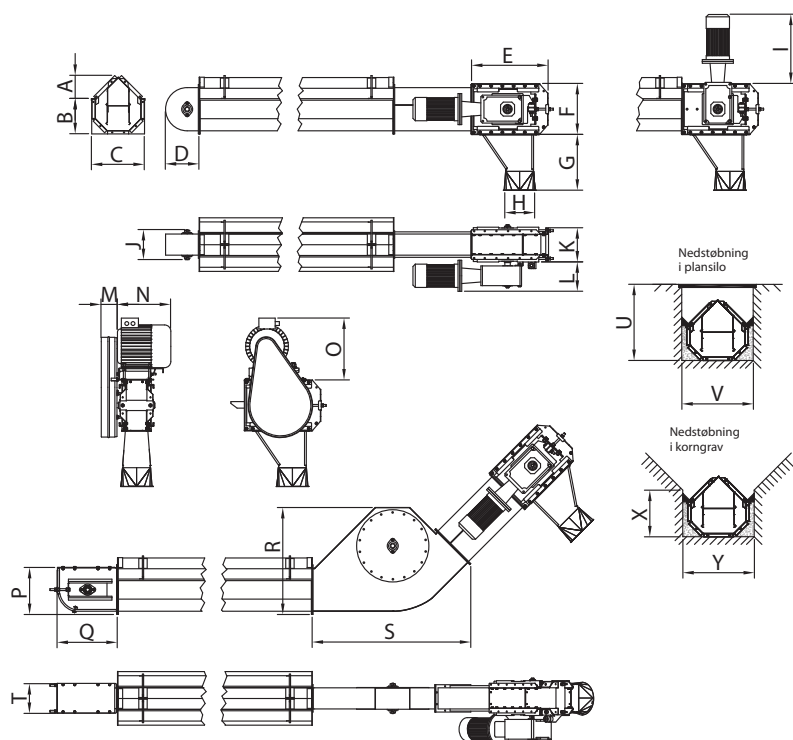
Chain and flight conveyor T44/T45 for grain intake pit consists of elements in 1.5 mm. thick galvanised steel. Several of the elements are the same as in chain elevator T20/T40, for example; closed elevator boot, drive station, roller chain fitted with riveted rubber carriers. The extensions for the chain and flight conveyor, outside the grain intake pit, are the same as the extensions for the chain elevator. The chain and flight conveyors T44/T45 can be joined with 45° or 90° bend and chain elevators T20/T40

and can combine horizontal and vertical conveyance at full capacity driven from only one motor.

The capacity of the chain and flight conveyor is controlled by adjusting the inlet plates in the inlet trough up and down. T44 can be adjusted from a capacity of 20 t/h to 40 t/h, whilst T45 can be adjusted from 40 t/h to 80 t/h. To obtain 40 t/h and 80 t/h it is essential that the conveyor is horizontal and a wide drive station is used.

The chain and flight conveyors consist of drive station, closed elevator boot/tightening section, roller chain with riveted rubber carriers, inlet trough, connecting flange – inlet trough/extension and outlet trough.

The drive station is fitted with a tightening device. T44/T45 may be driven by a v-belt pulley drive (1,000 r.p.m.) or a conical wheel geared motor. The geared motor may be mounted on either side of the drive station.



Measures in mm.:

	A	B	C	D	E	F	G	H	I	J	K	L
T44	150	225	340	215	500	328	360	Ø 200	580	190	225	200
T45	165	225	405	215	500	328	360	Ø 200	580	230	285	200

	M	N	O	P	Q	R	S	T	U	V	X	Y
T44	100	420	405	300	385	690	1025	190	430	400	300	400
T45	100	420	405	300	385	690	1025	225	470	460	300	460

Power consumption in kW:

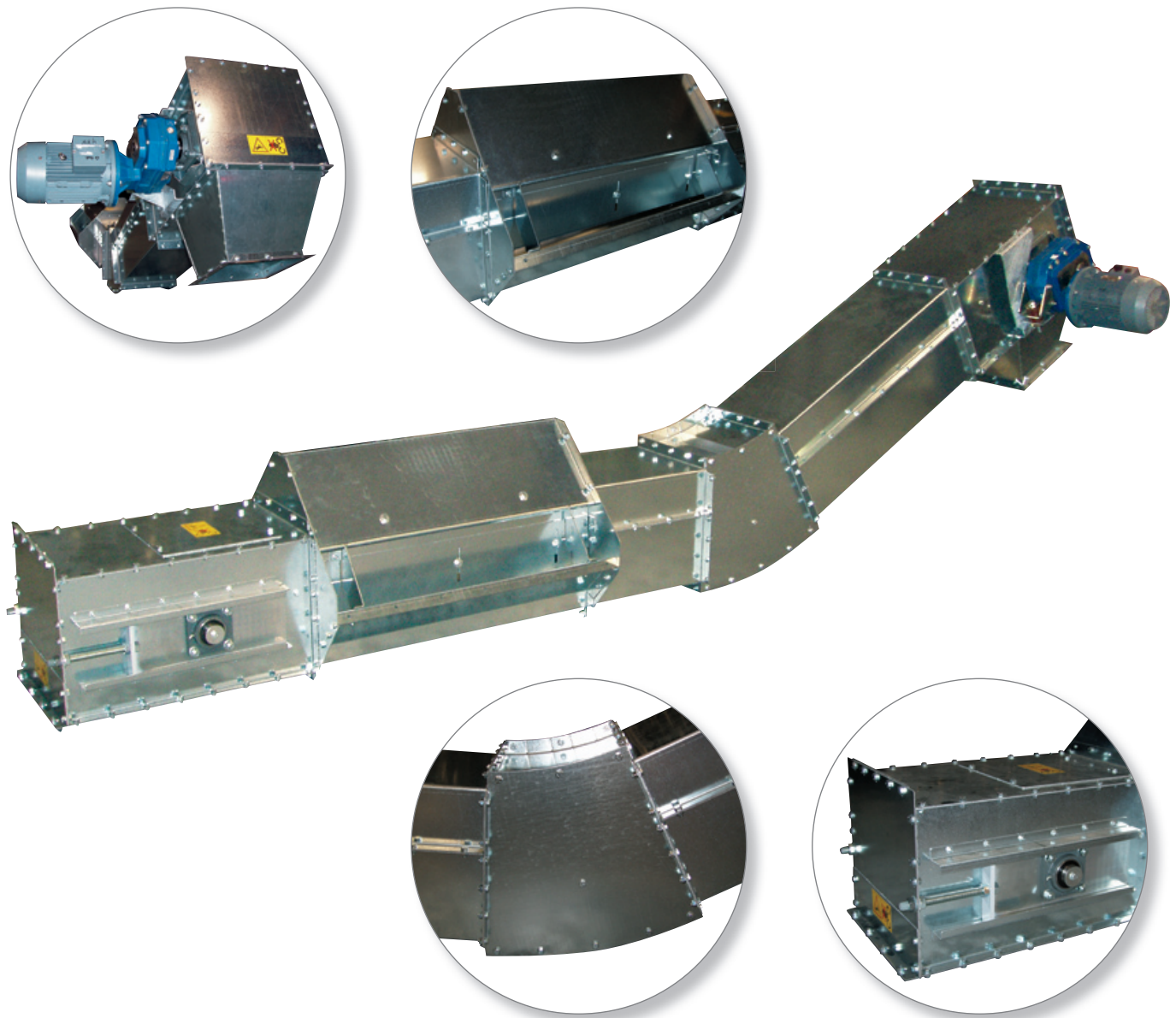
Length in metres		0-5	6-12	13-20	21-30	31-40	45-50
T44	20 t/h	2,2	2,2	2.2	3.0	4.0	5.5
	40 t/h	2,2	2.2	3.0	4.0	5.5	2 x 4.0
T45	60 t/h	2.2	2.2	3.0	4.0	5.5	2 x 4.0
	80 t/h	2.2	3.0	4.0	5.5	2 x 4.0	2 x 4.0

Capacity ton per hour:

	V-belt pulley set	R.p.m.	T44	T45
Motor 1.000 r.p.m.	63-355	166	35 t/h	60 t/h
Motor 1.000 r.p.m.	75-355	198	40 t/h	70 t/h
Conical wheel geared motor		140	30 t/h	50 t/h
Conical wheel geared motor		180	35 t/h	65 t/h
Conical wheel geared motor		280	40 t/h	80 t/h

Chain Conveyor T49 for inlet, capacity 80 t/h

Chain Conveyor T57 for inlet, capacity 120 t/h



The T49 and T57 chain and flight conveyor for grain intake pit is made of 3.0 mm. thickness galvanized material.

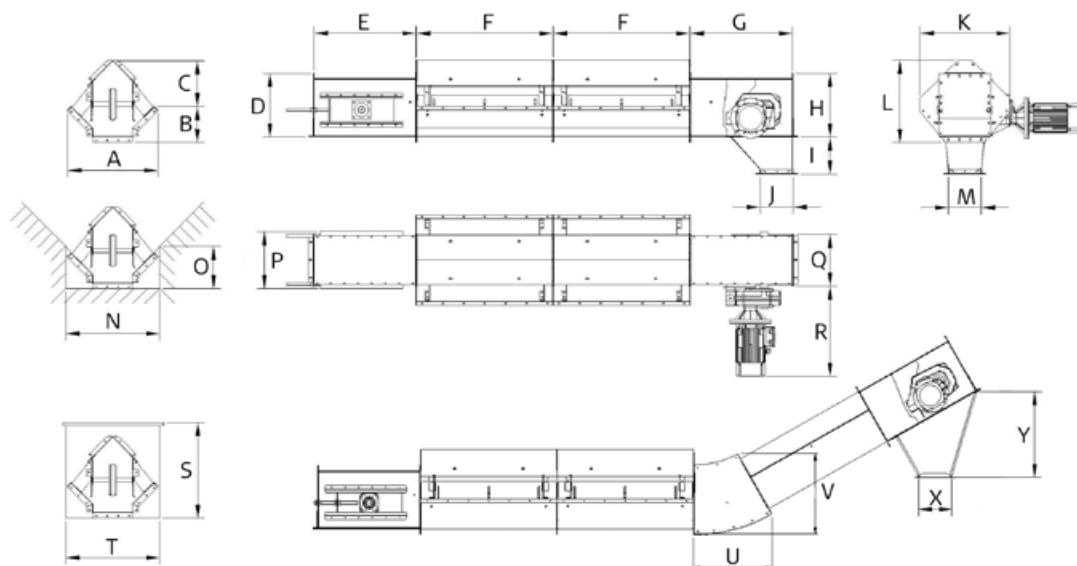
All parts are produced on CNC machines, and due to this production method the chain and flight conveyor is 100% accurate in every detail. Therefore the assembly of the

machine is very simple. The transport part is a steel roller chain equipped with plastic carriers. This causes a nearly noiseless, calm and gentle transport.

Using the adjustable inlet plates, the capacity of the chain and flight conveyor can be adjusted steplessly from full capacity down to approx 40% of

the max. output of the machine.

The chain and flight conveyor consists of drive station (0.75 m.), tension section (0.75 m.), inlet trough with adjustable inlet (1.0 m.), extensions (2.0 m. – 1.0 m. – 0.5 m.), junction flanges inlet trough / extensions and operation equipment for adjustable inlet.



Measures in mm.:

	A	B	C	D	E	F	G	H	I	J	K	L
T49	660	260	340	460	750	1000	750	460	270	240	660	605
T57	800	260	340	460	750	1000	750	460	290	300	800	660

	M	N	O	P	Q	R	S	T	U	V	X	Y
T49	240	660	310	400	400	650	580	590	570	600	240	630
T57	300	800	310	500	500	650	580	590	570	600	240	630

Power consumption in kW:

Length in metres	0-5	6-7	8-13	14	15-21	22-24
T49	3	4	4	5.5	5,5	7.5
T57	4	4	5,5	5.5	7.5	11

Capacity ton per hour:

	T49	T57
Horizontal, shaft mounted gear motor 45 r.p.m.	80 t/h	120 t/h
Inclined, or with 30° bend, 60 r.p.m.	80 t/h	120 t/h

Chain elevator T20/T40



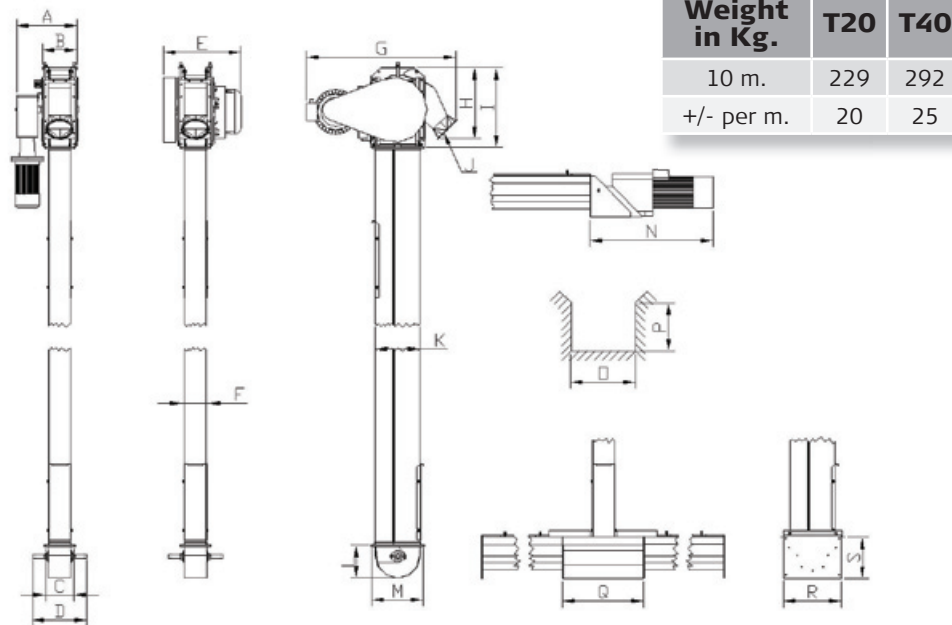
The chain elevators consist of standard elements in galvanised versions. Outstanding feature is a large capacity, in spite of the small outer dimension, together, with quick and easy mounting.

The elevators utilize their total height very efficiently, as the outlet has a very high position ensuring that only 48 cm. are lost from the elevator top point to the outlet flange lower edge. The inlet is placed as far down as possible under the lower elevator shaft. The elevators are constructed from steel and supplied with quality

roller chain fitted with riveted rubber carriers. The elevators work just as efficiently in all positions from vertical to horizontal.

T20 and T40 consist of elevator head with motor bracket and V-belt pulley drive or elevator head with direct geared motor, elevator boot, 2.5 m. extension with inspection cover and extensions in different lengths: 2.5 m. – 2.0 m. – 1.0 m. – 0.5 m. – 0.25 m. – 0.125 m. When correctly combined the extensions provide elevator lengths from 3.0 m. to 20.0 m. in 0.125 m. steps.

The elevators can be combined for both horizontal and vertical conveying by using side augers in troughs. The elevator lower shaft drives these, so the same motor drives the elevator together with the side augers or the side augers can be separately driven by a direct mounted geared motor. The side auger in trough is available for fitting to both right and left side of the elevator. The augers have a dia. 135 with flights of S60, S90 and S125 and are available in different lengths: 2.0 m. – 1.25 m. – 1.0 m. – 0.5 m. The augers are connected with joining pins.



Cast dimensions for augers in trough dia. 135 for T20 and T40

Fill up around the trough with dry sand and render over the edges of the trough.

Separate drive with geared motor for auger in trough dia. 135

Up to 6 m. auger, 2.2 kW – 250 r.p.m.

Over 6 m. auger, 3.0 kW – 250 r.p.m.

Measures in mm.:

	A	B	C	D	E	F	G	H	I	J
T20	378	215	175	335	505	135	890	440	500	160
T40	457	277	240	400	525	200	940	450	500	200

	K	L	M	N	O	P	Q	R	S
T20	280	215	320	760	400	300	500	355	265
T40	280	215	320	760	400	300	500	355	265

Capacity in ton per hour:

T20 - inlet from both sides without propellers	12
T20 - inlet from both sides with propellers	20
T20 - with dia. 135, S60 auger from one side	12
T20 - with dia. 135, S90 auger from one side	16
T20 - with dia. 135, S125 auger from one side	20
T40 - inlet from both sides with propellers, dia. 135	40
T40 - with dia. 135, S125 auger from both sides	40

Power consumption in kW:

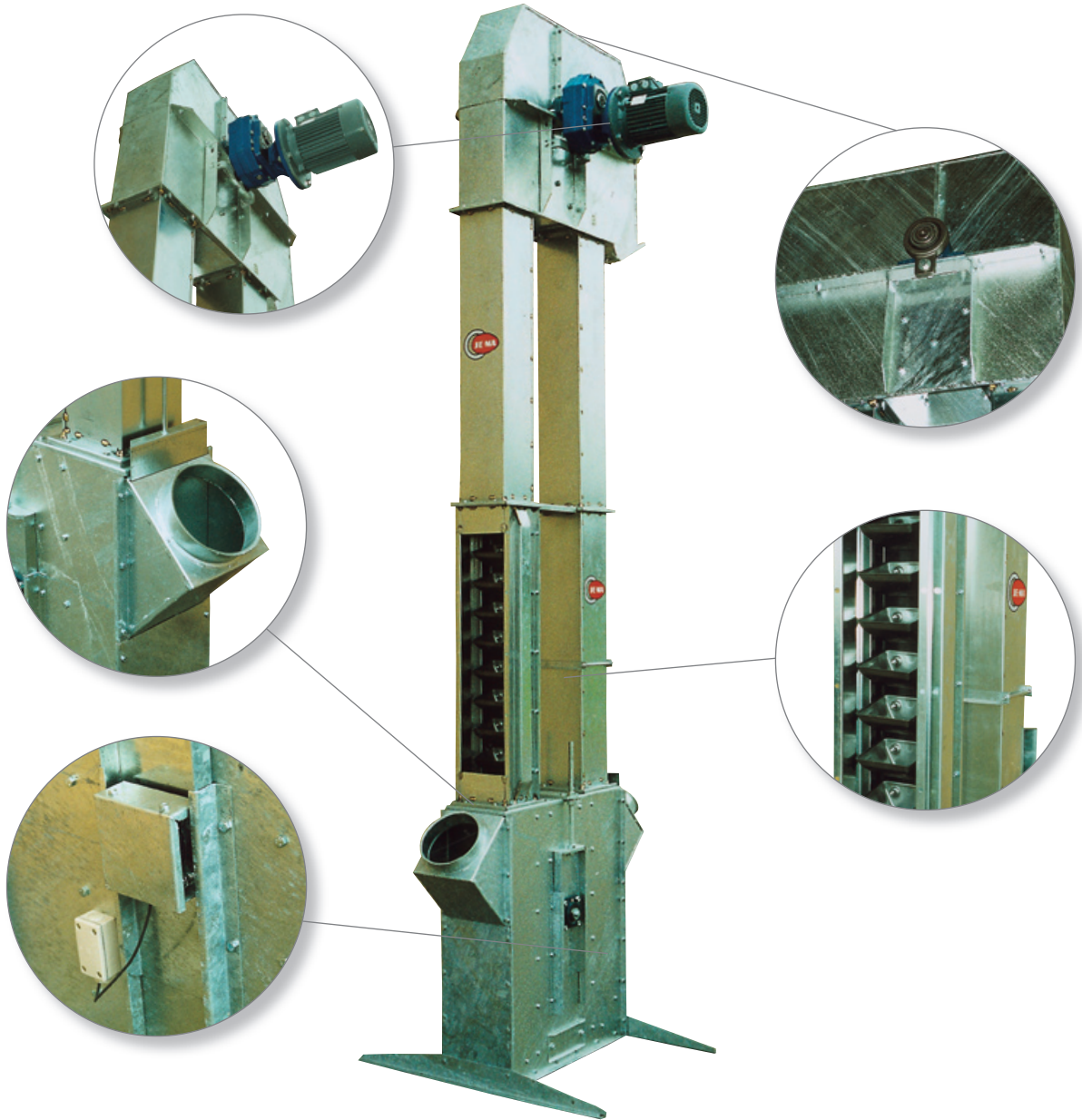
Lenght in metres	3-4	5	6-7	8-9	10-11	12-13	14-16	17-18
T20	1.5	1.5	2.2	2.2	3.0	3.0	4.0	5.5
T40	2.0	2.0	3.0	3.0	4.0	4.0	5.5	5.5

Extra power consumption per meter auger in trough dia. 135 = 0.35 kW.

Accessories

- Side augers
- Inlet piece
- Hopper

Bucket elevator T53/T54/T55, capacity 25-120 t/h

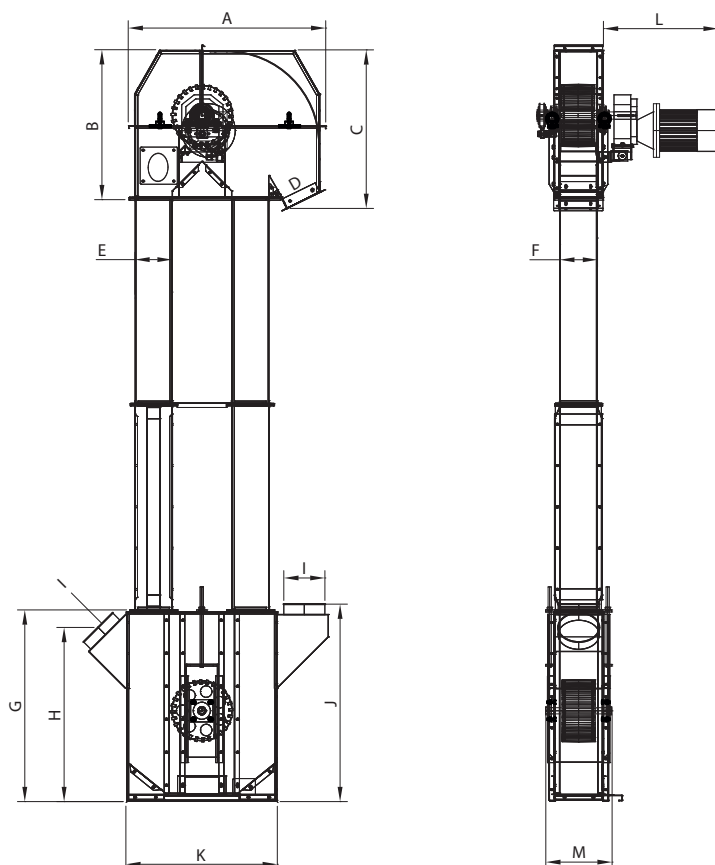


JEMA Bucket Elevator is a high quality elevator made in galvanised steel. Bucket elevators are available in three sizes: T53: 25-50 t/h; T54: 80 t/h and T55: 120 t/h.

The elevators are designed to be stable, even in tall versions and are

capable of running continually for many hours. They are supplied with direct mounted geared motors or with V Belt pulley drive (Only T53). The bucket elevator consists of: Elevator boot, elevator head – both with heavy duty ball bearings, motor

bracket, belt tightening in boot, trap-door for cleaning on both sides of boot, 1 inlet piece, 1.0 m. extension with large inspection covers on two sides, different length extensions, distance washers together with belt and buckets.



Measures in mm.:

	A	B	C	D	E	F	G	H
T53	960	730	770	180 x 180	180	180	930	850
T54	1350	1060	1100	240 x 240	240	240	1175	1055
T55	1350	1060	1100	240 x 240	240	300	1175	1055

	I	J	K	L 2,2 kW	L 3,0 kW	L 4,0 kW	L 5,5 kW	M
T53	Ø200	970	735	500	500	530		325
T54	Ø250	1210	1100		520	550	580	440
T55	Ø300	1210	1100			550	580	500

Power consumption in kW:

	T53 - 25 t/h	T53 - 50 t/h	T54	T55
2.2 kW	0-16 m.	0-5 m.		
3.0 kW	17-25 m.	6-10 m.	0-4 m.	
4.0 kW	26-30 m.	11-17 m.	5-8 m.	0-4 m.
5.5 kW		18-24 m.	9-14 m.	5-6 m.
7.5 kW		24-30 m.	15-22 m.	7-11 m.
11.0 kW			22-30 m.	12-20 m.
15.0 kW				21-30 m.

Accessories

- Distance washers
- Back stop
- Speed control monitor
- Inlet piece 45°
- Inlet piece 90°

Chain elevator T20/T40 combined with 90° bend and chain & flight conveyors T44/T45



The chain elevators consist of standard elements in galvanised versions. Outstanding feature is a large capacity in spite of the small outer dimensions, together with quick and easy mounting.

The elevators utilize their total height very efficiently, as the outlet has a very high position ensuring that only 48 cm are lost from the elevator top point to the outlet flange lower edge. The inlet is placed as far down as possible under the lower elevator shaft. The elevators are constructed

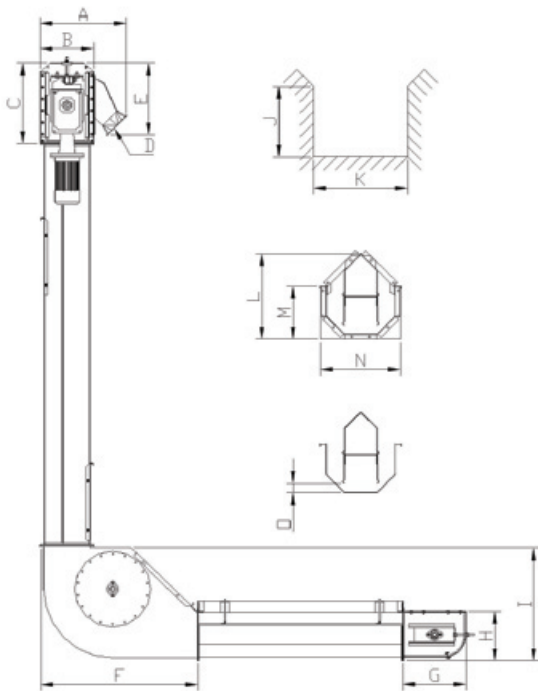
from steel and supplied with quality roller chain fitted with riveted rubber carriers.

The chain elevators T20/T40 can be joined with, 90° bend and inlet trough and tightening section from chain and flight conveyors T44/T45 and can combine horizontal and vertical transport at full capacity driven from only one motor on the elevator top.

These machines consist of elevator head with motor bracket and V-belt pulley drive or elevator head with

direct pull with flange geared motor, 2.5 m extension with inspection cover and extensions in different lengths: 2.5 m. – 2.0 m. – 1.0 m. – 0.5 m. – 0.25 m. – 0.125 m., 90° bend, inlet trough for chain and flight conveyor and extensions in different lengths: 2.0 m., 1.25 m., 1.0 m., 0.5 m. and tightening section. By combining these elements the vertical elevator is available in 0.125 m. steps, with the horizontal chain and flight conveyor available in 0.25 m. steps up to a total length of 20.0 m.

Capacity 20-40 t/h



Cast dimensions

for inlet trough T44/T45

Fill up around the inlet trough with dry sand and render over the edges of the trough.

Capacity

T20/T44	O Opening	Ton per hour
Geared motors 250 r.p.m.	15 mm.	5
	25 mm.	10
	35 mm.	15
	40 mm.	20
Motor 1500 r.p.m. V-belt pulley set 63/355-71/400	15 mm.	20
	20 mm.	25
	25 mm.	30
	35 mm.	35
	40 mm.	40

Measures in mm.:

	A	B	C	D	E	F	G	H
T20/T44	531	328	500	160	430	920	430	280
T40/T45	574	328	500	200	430	920	430	280

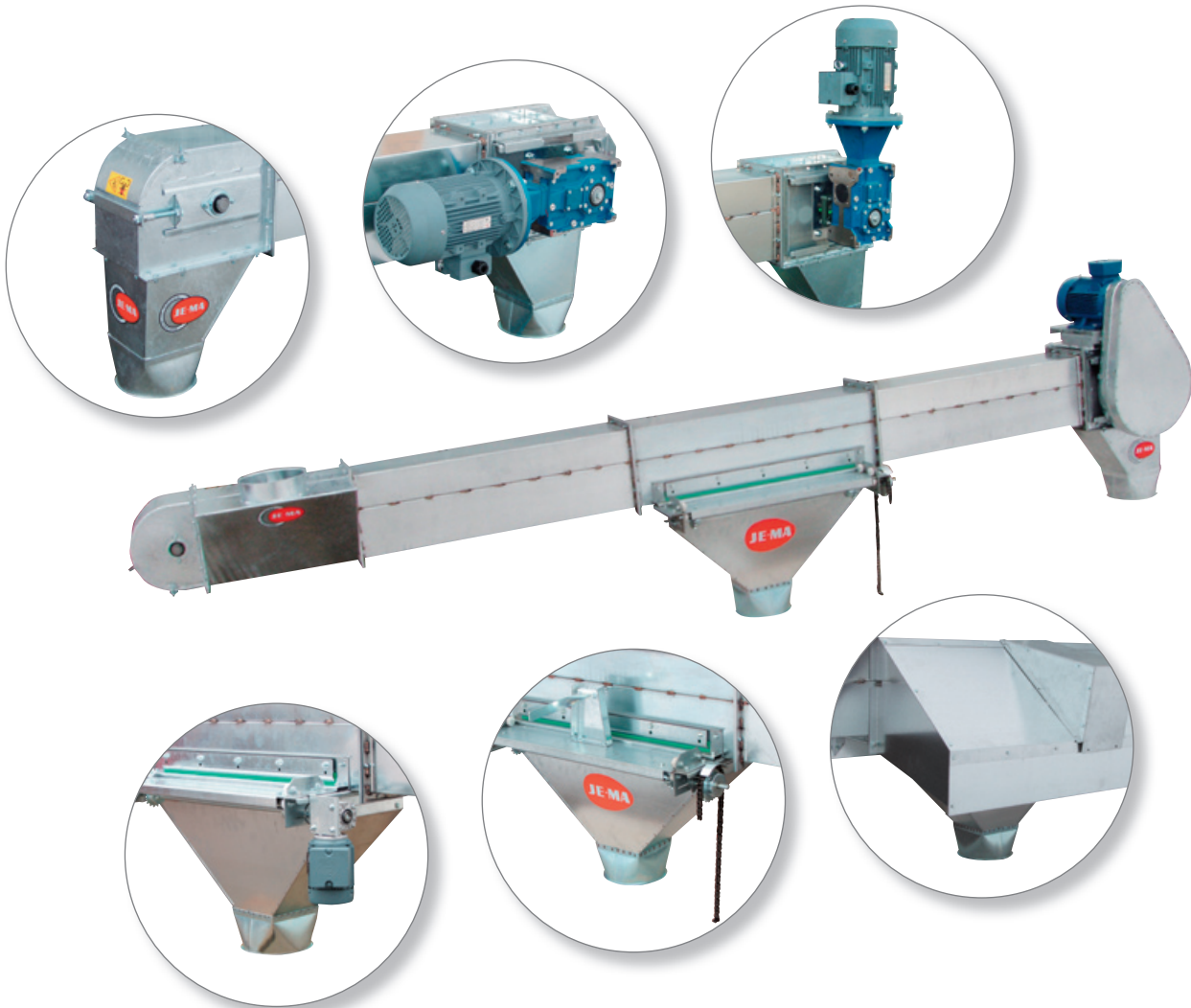
	I	J	K	L	M	N	O
T20/T44	690	300	400	365	230	350	10-100
T40/T45	690	300	400	385	230	410	10-100

Power consumption in KW:

Height in metres	Length in metres	2	3	4	5	6	7	8
		T20/T40	T20/T40	T20/T40	T20/T40	T20/T40	T20/T40	T20/T40
4		2.2/3.0	2.2/3.0	2.2/3.0	2.2/3.0	3.0/3.0	3.0/4.0	3.0/4.0
5		2.2/3.0	2.2/3.0	2.2/3.0	3.0/3.0	3.0/4.0	3.0/4.0	3.0/4.0
6		2.2/3.0	2.2/3.0	3.0/3.0	3.0/4.0	3.0/4.0	3.0/4.0	4.0/4.0
7		2.2/3.0	3.0/3.0	3.0/4.0	3.0/4.0	3.0/4.0	4.0/4.0	4.0/5.5
8		2.2/3.0	3.0/4.0	3.0/4.0	3.0/4.0	4.0/4.0	4.0/5.5	4.0/5.5
9		3.0/4.0	3.0/4.0	3.0/4.0	4.0/4.0	4.0/5.5	4.0/5.5	4.0/5.5
10		3.0/4.0	3.0/4.0	4.0/4.0	4.0/5.5	4.0/5.5	4.0/5.5	5.5/5.5
11		3.0/4.0	4.0/4.0	4.0/5.5	4.0/5.5	4.0/5.5	5.5/5.5	5.5/5.5
12		4.0/4.0	4.0/5.5	4.0/5.5	4.0/5.5	5.5/5.5	5.5/5.5	5.5/5.5
13		4.0/5.5	4.0/5.5	4.0/5.5	5.5/5.5	5.5/5.5	5.5/5.5	
14		4.0/5.5	4.0/5.5	5.5/5.5	5.5/5.5	5.5/5.5		
15		4.0/5.5	5.5/5.5	5.5/5.5	5.5/5.5			
16		5.5/5.5	5.5/5.5	5.5/5.5				
17		5.5/5.5	5.5/5.5					
18		5.5/5.5						

Chain & flight conveyor T44, capacity 30 t/h

Chain & flight conveyor T45, capacity 50 t/h



For conveying grain and flour or granulated materials

Chain and flight conveyors T44/T45 are used for conveying grain, flour and granulated materials. The chain and flight conveyor consist of elements in 1.5 mm. thick galvanised steel.

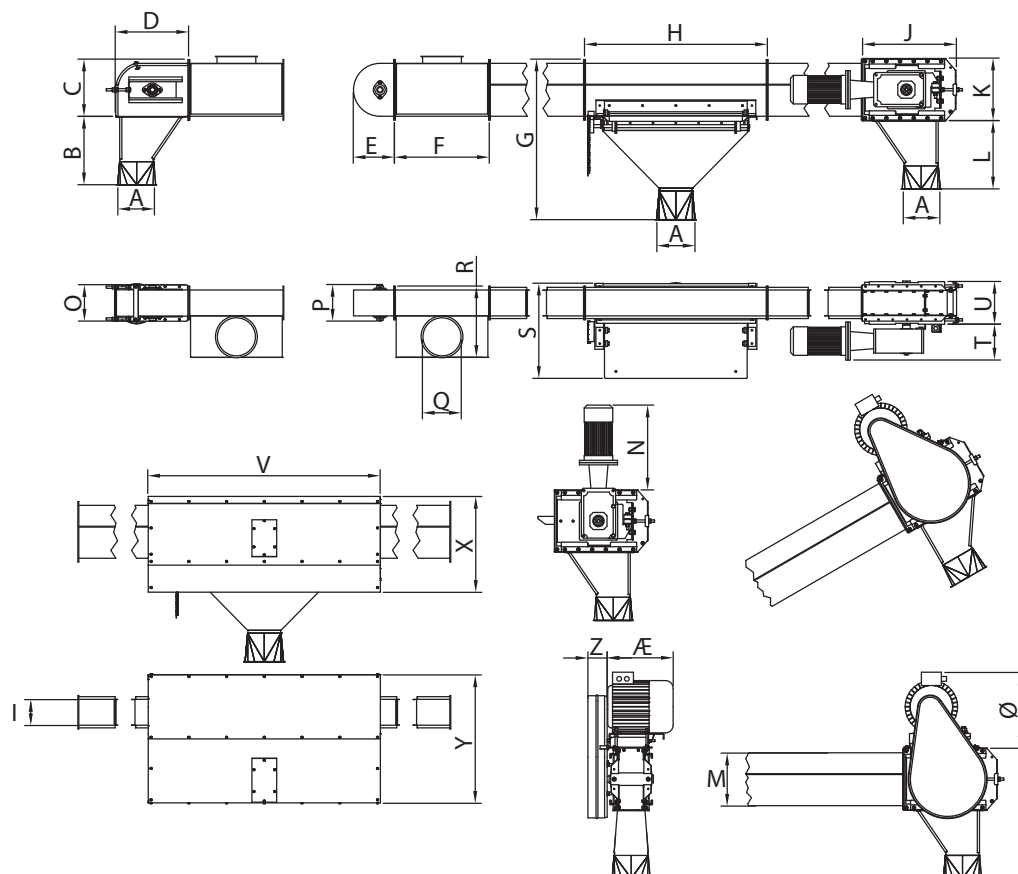
Several of the elements are also used in the chain elevator T20/T40, for example: closed elevator boot, drive station, roller chain fitted with riveted

rubber carriers.

The conveying unit is a roller chain fitted with riveted rubber carriers (the same as in the chain elevators), the back end is a closed elevator boot, the pipes, which extend the chain and flight conveyor, are the same as the chain elevator extensions. One or more inlet pieces may be fitted to accept material from either the right or left hand side, as required. The outlet shutters may be operated with either a cord drive control or with a motor for remote control.

The chain and flight conveyor consists of drive station, closed elevator boot/tightening section, roller chain with riveted rubber carriers, extension in different lengths: 0.125 m., 0.25 m., 0.5 m., 1.0 m., 2.0 m., 2.5 m. and outlet hopper.

The drive station is fitted with an integral tightening device. T44/T45 may be driven by a v-belt pulley drive (1,000 rpm.) or a conical wheel geared motor. The geared motor may be mounted on the right or left side of the drive station.



Measures in mm.:

	A	B	C	D	E	F	G	H	I
T44	Ø 200	360	300	385	215	500	845	1000	135
T45	Ø 200	360	300	385	215	500	845	1000	200

	J	K	L	M	N	O	P	Q	R
T44	500	328	360	280	580	190	190	Ø 200	375
T45	500	328	360	280	580	255	230	Ø 200	440

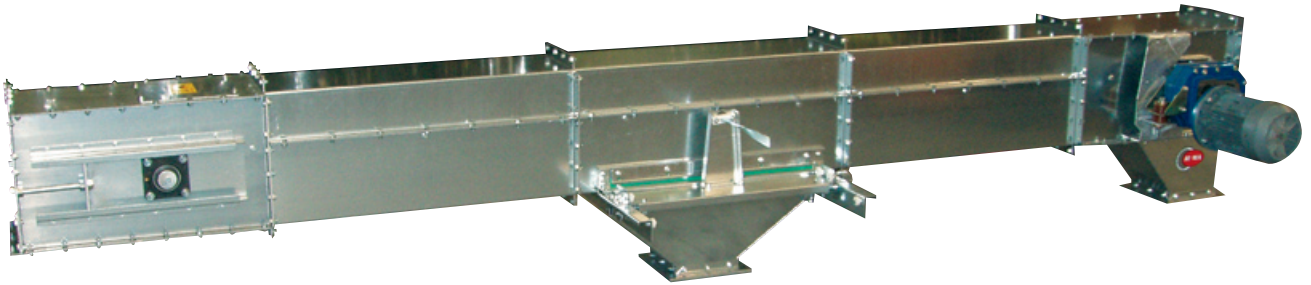
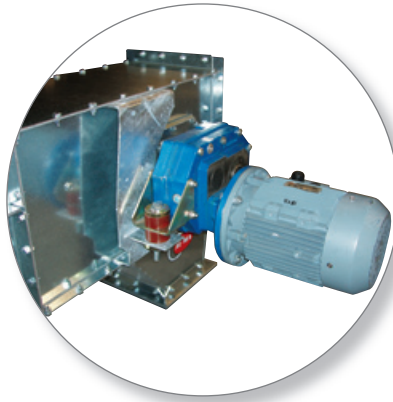
	S	T	U	V	X	Y	Z	Æ	Ø
T44	500	200	225	1220	505	675	100	420	405
T45	564	200	285	1220	505	675	100	420	405

Power consumption in kW:

Length in metres		0-5	6-12	13-20	21-32	33-50
T44	20 t/h	2.2	2.2	2.2	3.0	4.0
	30 t/h	2.2	2.2	3.0	4.0	5.5
T45	40 t/h	2.2	2.2	3.0	4.0	5.5
	50 t/h	2.2	3.0	4.0	5.5	2 x 4.0

Chain Conveyor T49, capacity 80 t/h

Chain Conveyor T57, capacity 120 t/h



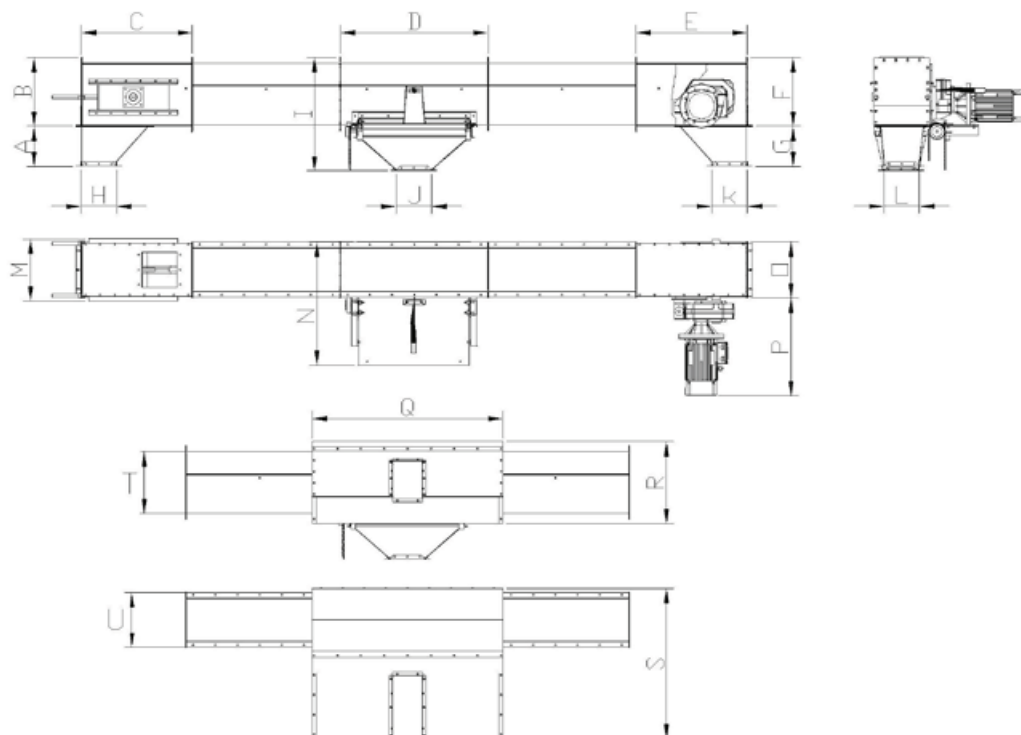
The T49 and T57 chain conveyor is made of 3.0 mm thickness galvanized material. All parts are produced on CNC machines, and due to this production method the chain conveyor is 100% accurate in every detail. Therefore the assembly of the machine is very simple. The transport part is

a steel roller chain equipped with plastic carriers. This causes a nearly noiseless, calm and gentle transport.

The chain conveyor can be supplied with one or several outlets. The outlets can be operated manually with a chain drive or equipped with a motor

for electrical remote control.

The chain conveyor consists of drive station (0.75 m), tension section (0.75 m), intermediate outlets (1.0 m.) and extensions (2.0 m. – 1.0 m. – 0.5 m.).



Measures in mm.:

	A	B	C	D	E	F	G	H	I	J	K
T49	270	470	750	100	750	470	270	240	770	240	240
T57	270	470	750	100	750	470	290	300	770	300	300

	L	M	N	O	P	Q	R	S	T	U
T49	240	400	870	400	650	1300	550	1020	420	370
T57	300	500	970	500	650	1300	550	1120	420	480

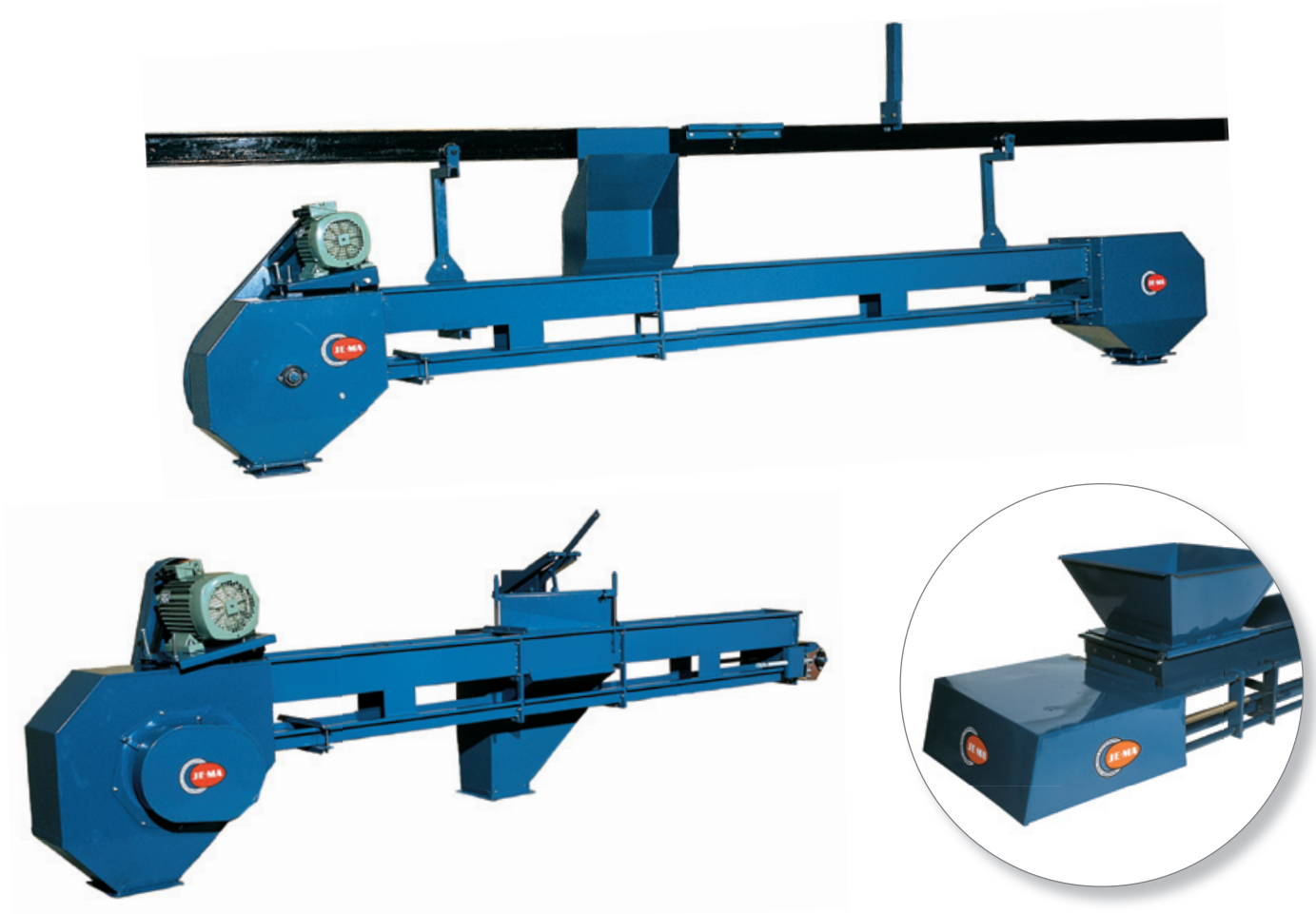
Power consumption in kW:

Length in metres	0-4	5	6-8	9-13	14	15-21	22-32
T49	3	3	4	4	5.5	5.5	7.5
T57	3	4	4	5.5	5.5	7.5	11.0

Capacity ton per hour:

	T49	T57
Horizontal, shaft mounted gear motor 45 r.p.m.	80 t/h	120 t/h
Inclining, or with 30° bend, 60 r.p.m.	80 t/h	120 t/h

Belt Conveyor T19V, capacity 50-80 t/h



The T19V belt conveyor is a module system based on standard elements which, when correctly combined, will suit any transportation arrangement.

The conveying element is a belt (25-50 tons/152 mm wide and 80 tons/303 mm wide) which conveys grain, seed, pills and other granulated materials through a special U-formed trough. From the beginning, when being designed, the intention was to make a belt conveyor, featuring small outer dimensions, low weight, easy and quick mounting with built-in

flexibility. T19V belt conveyors are suitable and correct for horizontal and slightly rising conveying (max. 6°) and the material can be conveyed either towards the drive station (one-way conveying) or both forward and backward (two-way conveying).

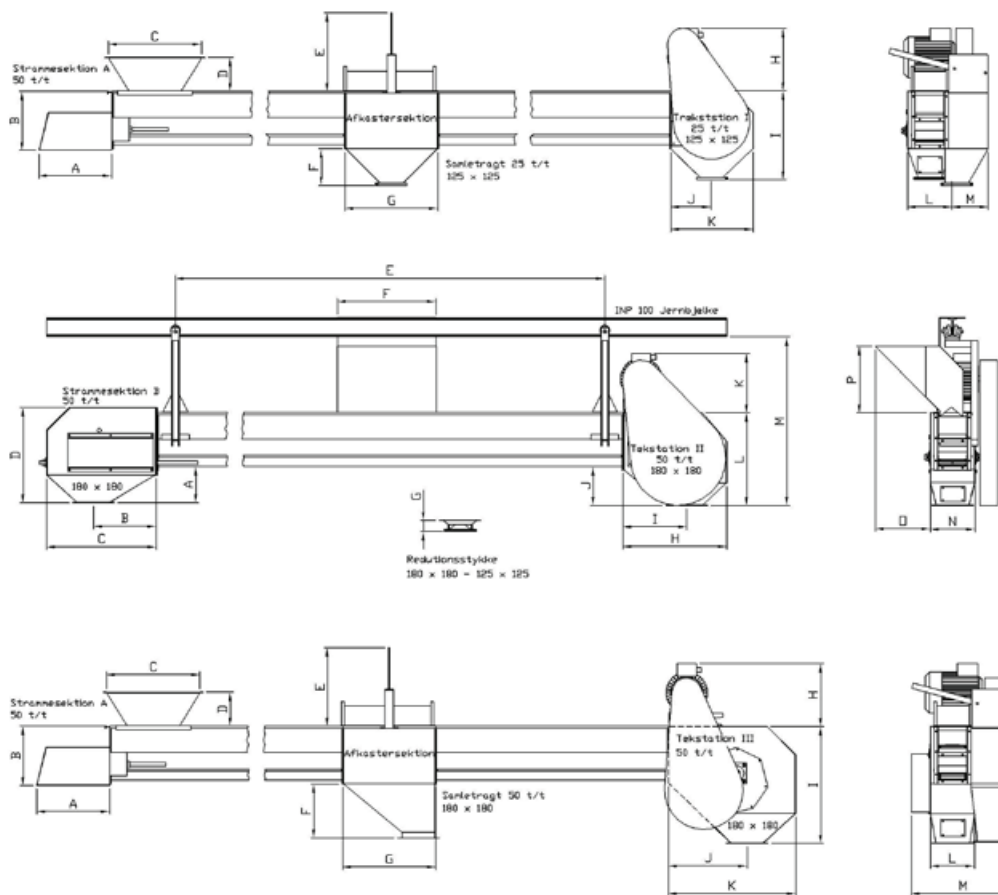
T19V belt conveyors consist of a drive section, a tightening section, extension sections and a possible discharge section.

Further extension sections are available in sizes from 0.5 m. to 2.5 m.

When mounted it is possible to obtain lengths up to 50 m. and in 0.25 m. steps.

If the material has to be delivered on several locations along the conveyor, one (or more) discharge sections can be fitted at any desired place. T19V conveyors are especially suitable for movable suspension on special rails.

It is possible to discharge any material continually over the whole rail length and at both sides of the inlet piece.



Weight in Kg.:

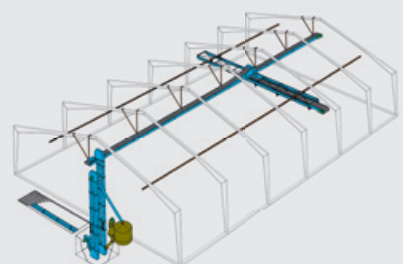
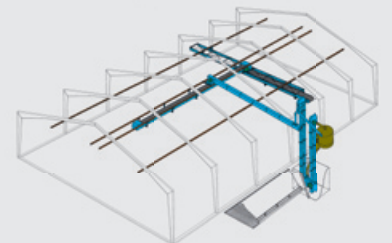
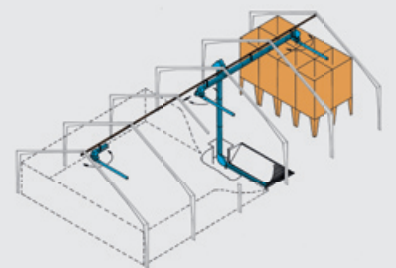
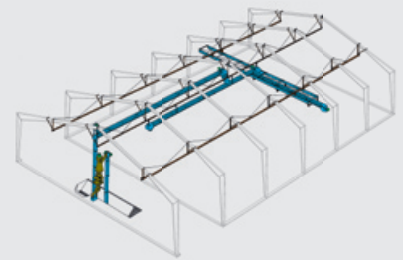
	Drive station I	Drive station II	Drive station III	Tightening section A	Tightening section A	1,0 m. extension
25 t/h	36	50	75	9	28	17
40-50 t/h	36	50	75	9	28	17

Power consumption in kW:

Capacity	1.1 kW	1.5 kW	2.2 kW	3 kW	4 kW	5.5 kW	7.5 kW
25 t/h	1.500 r.p.m.	-6 m.	7-10 m.	11-15 m.	16-25 m.	26-38 m.	39-50 m.
40-50 t/h	1.500 r.p.m.	-5 m.	6-9 m.	10-15 m.	16-22 m.	23-36 m.	37-50 m.

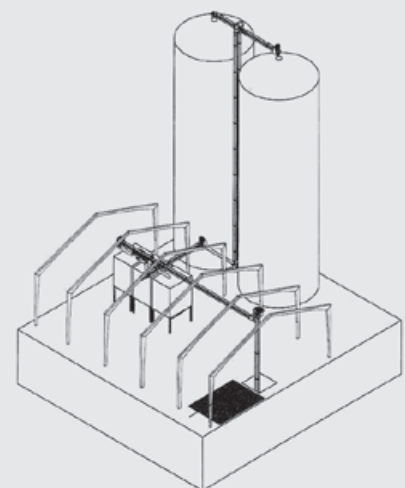
Conveying systems - Examples



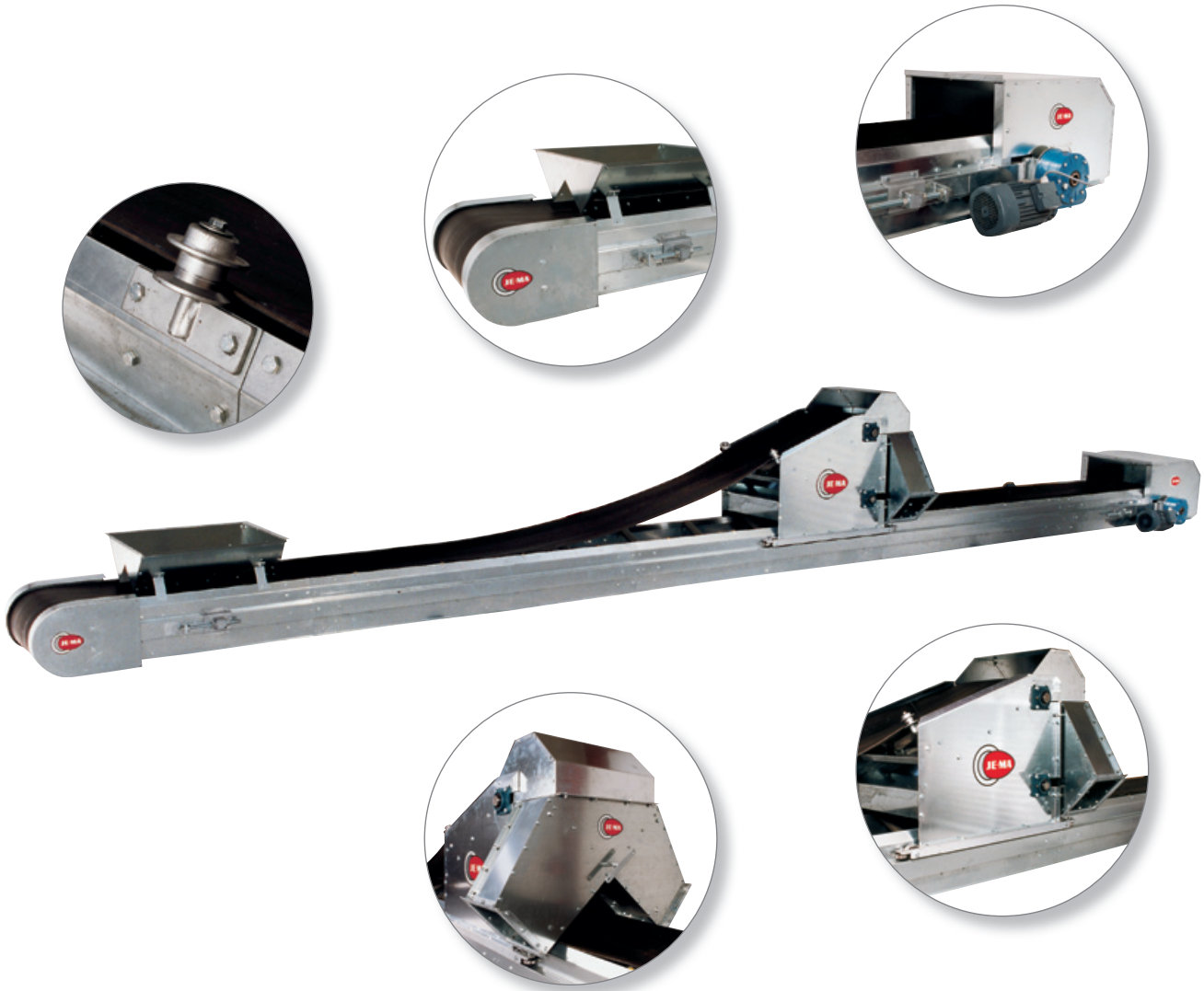


Conveying systems - Examples





Belt Conveyor T51/T52, capacity 80-120 t/h



T51/T52 V-shaped belt conveyors on rollers

- Designed as a standard module system.
- Construction in galvanised steel plate.
- Low energy consumption per ton conveyed.
- T51 has a capacity of up to 80 t/h (grain).
- T52 has a capacity of up to 120 t/h (grain).
- Possibility of transport in angles up to 35° from horizontal - with the use of carriers, but with reduced

capacity.

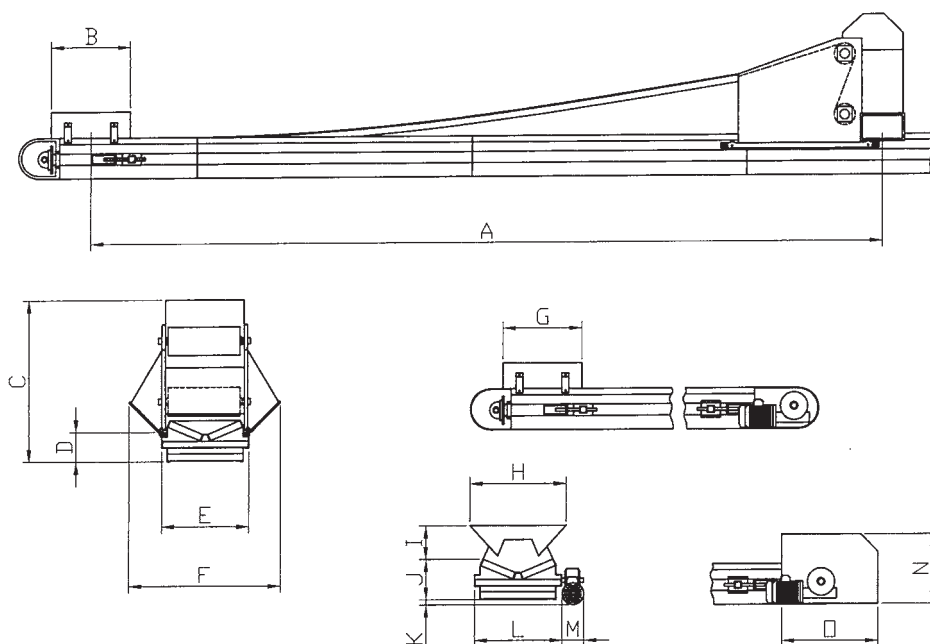
- The belt conveyors can transport the material in both directions.
- Available in widths of 500 mm. and 650 mm. respectively.
- The belt conveyors can also be supplied with 15 cm. side plates, tripper carriage, guide rollers etc.
- T51/T52 is available for fixed mounting and with outlet from one or both ends - or along the belt with tripper carriage.
- The belt conveyors can also be used for mounting on movable runners with or without automatic electrical

controls.

- The belt conveyors can be used for transport of almost any material.

Standard

- Drive station 1.0 m. with worm geared motor.
- Tightening section 1.0 m.
- Extension sections 1.0 m. - 2.0 m.
- Belt quality: NK 250/2, 3+1.0
- Conveying side rollers: V positioned/ each 0.5 m.
- Return side rollers, each 2.0 m.
- Tightening of the belt possible at both ends.



Measures in mm.:

	A	B	C	D	E	F	G
T51	Min. 5000	700	1140	300	680	1100	700
T52	Min. 5000	850	1140	300	830	1370	850

	H	I	J	K	L	M	N	O
T51	700	225	300	70	680	200	500	600
T52	850	225	300	70	830	200	500	600

Weight in kg:

	T51	T52
Drive station (1.0 m.) with 2.2 kW motor	110	131
Drive station (1.0 m.) with 3.0 kW motor	135	156
Drive station (1.0 m.) with 4.0 kW motor	141	162
Tightening section (1.0 m.)	73	94
1.0 m. extension	25	31
Tripper carriage	115	148
Weight of grain per metre conveyor	24	36

Power consumption in kW:

	2,2	3,0	4,0	2 x 3,0	2 x 4,0
T51	2.0-14.0 m	15.0-39.0 m	40.0-59.0 m	60.0-100.0 m	
T52	2.0-9.0 m	10.0-24.0 m	25.0-39.0 m	40.0-69.0 m	70.0-100.0 m

Accessories

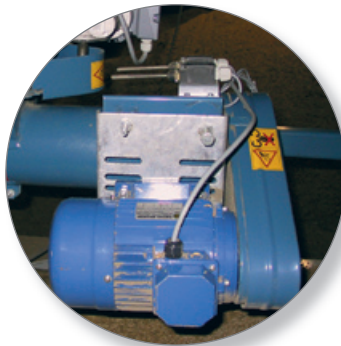
- Oil resistant belt
- Carriers vulcanised on the belt
- 15 cm. side plates
- Inlet hopper in galvanised steel
- Outlet skirt in galvanised steel
- Movable tripper carriage
- Guide rollers
- Double runners for movable suspension
- Special rails system for cross conveying
- Electrical winches for automatic filling and levelling system

Distribution Conveyor T37, capacity 20-40 t/h



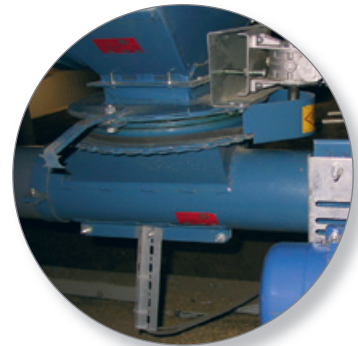
The use of the T37 distribution conveyor provides a simple solution for the distribution of grain in all areas, even with a low roof space.

The conveyor is mounted on the outlet of the belt conveyor or chain conveyor. From this position the conveyor can be rotated through 360° and in this way can be used to fill banks of indoor silos and flat stores.



With this advantage, the T37 distribution conveyor can also be used to fill flat stores to a maximum width of 10 m.

The T37 mounted on a T19V belt conveyor can distribute the grain evenly over the whole area, if equipped with a rotational drive and electric controls; it can be carried out automatically. The even distribution of

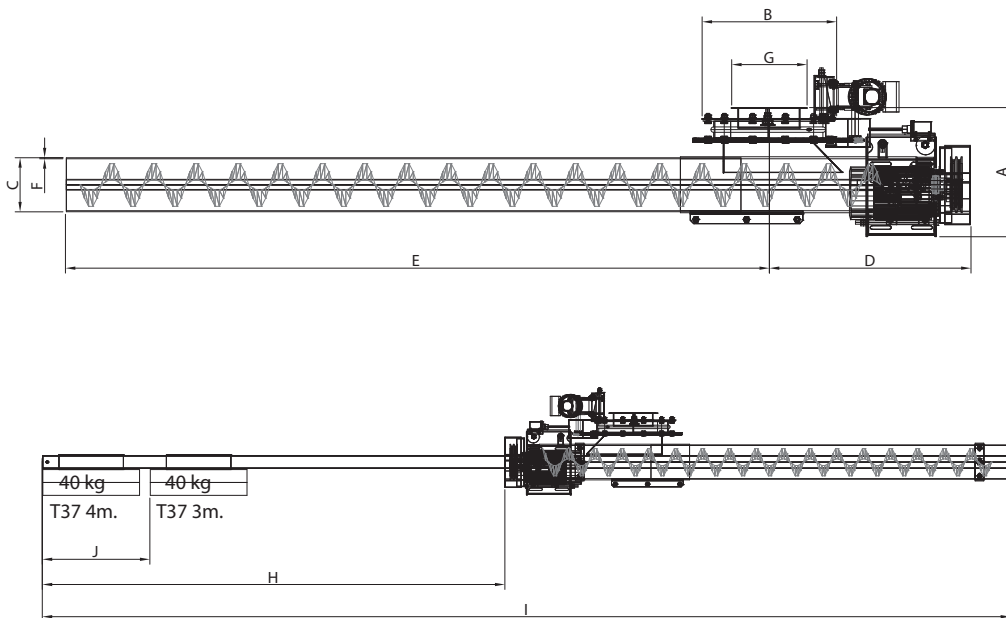


moist grains and impurities has the advantage of not being discharged together, in a cone of grain.

The distribution conveyor can be delivered in the following lengths: 2.0 m. – 3.0 m. – 4.0 m. lengths. The lengths of 3.0 m. – 4.0 m. conveyors must be supplied with a counter weight. The pipe of the conveyor is made from heavy duty PVC.

Accessories

- Electrical turn drive with electrical controls
- Electrical turn drive without electrical controls
- Counter weight for 3 m. and 4 m. conveyors



Measures in mm.:

A	B	C	D	E	F	G	H	I
380	400	160	650	2000-3000-4000	10	180 x 180	2150	4500

Capacity	Pulley Set	Motor
20 t/t	A63-Ø24	1.5 KW - 1500 r.p.m.
40 t/t	A80-Ø24	1.5 KW - 1500 r.p.m.

Weight in kg.:

Length in metres	Weight incl. Motor	Counter weight stick	Counter weight	El. turn drive
2.0 m.	52 kg.			40 kg.
3.0 m.	60 kg.	19 kg.	40 kg.	40 kg.
4.0 m.	68 kg.	19 kg.	40 kg.	40 kg.

Grain auger T31, capacity 30-40 t/h

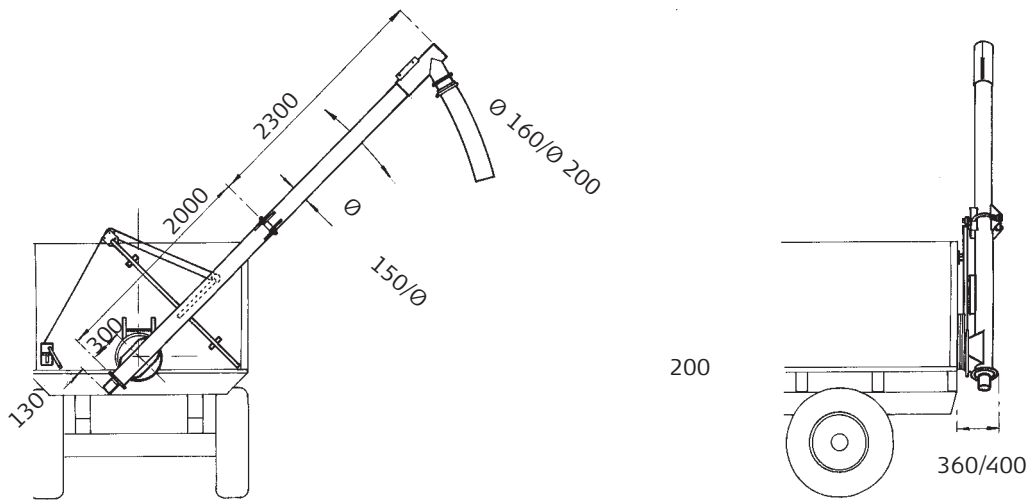


Grain and fertilizer auger for mounting on tipping trailer

- Quality product: T31 in galvanized steel.
- Driven by a powerful hydraulic motor from the hydraulic system of the tractor or lorry.
- Can be folded for safer transport.
- T31 has a capacity of 30 to 45 ton per hour at 45° angle.
- Can be handled and operated by one person.
- Easy to disassemble for cleaning.
- Can be mounted on both right and left side of the trailer.
- With extra mounting kit the auger can be used on several trailers.
- 4 metres long.
- Operational in all angles - because of the mounted swivel ring.

Standard:

- 150 mm. auger, hydraulic motor OMP 50, mounting fittings, shutter square, wire winch with wire and 1,0 m. flexible outlet hose (without electric control, valve and oil pressure hoses).



Accessories

- Electric control, valve with switch and cable
- 2 x 6 m. oil pressure hoses with oil filter and couplings
- 2 x 10 m. pressure hoses with oil filter and couplings
- Mounting kit (shutter square, transition piece, spanner 400 mm., wire winch with wire and fittings and slide rail with fittings)

Weight in kg.: (head, foot, tube, auger and hopper)

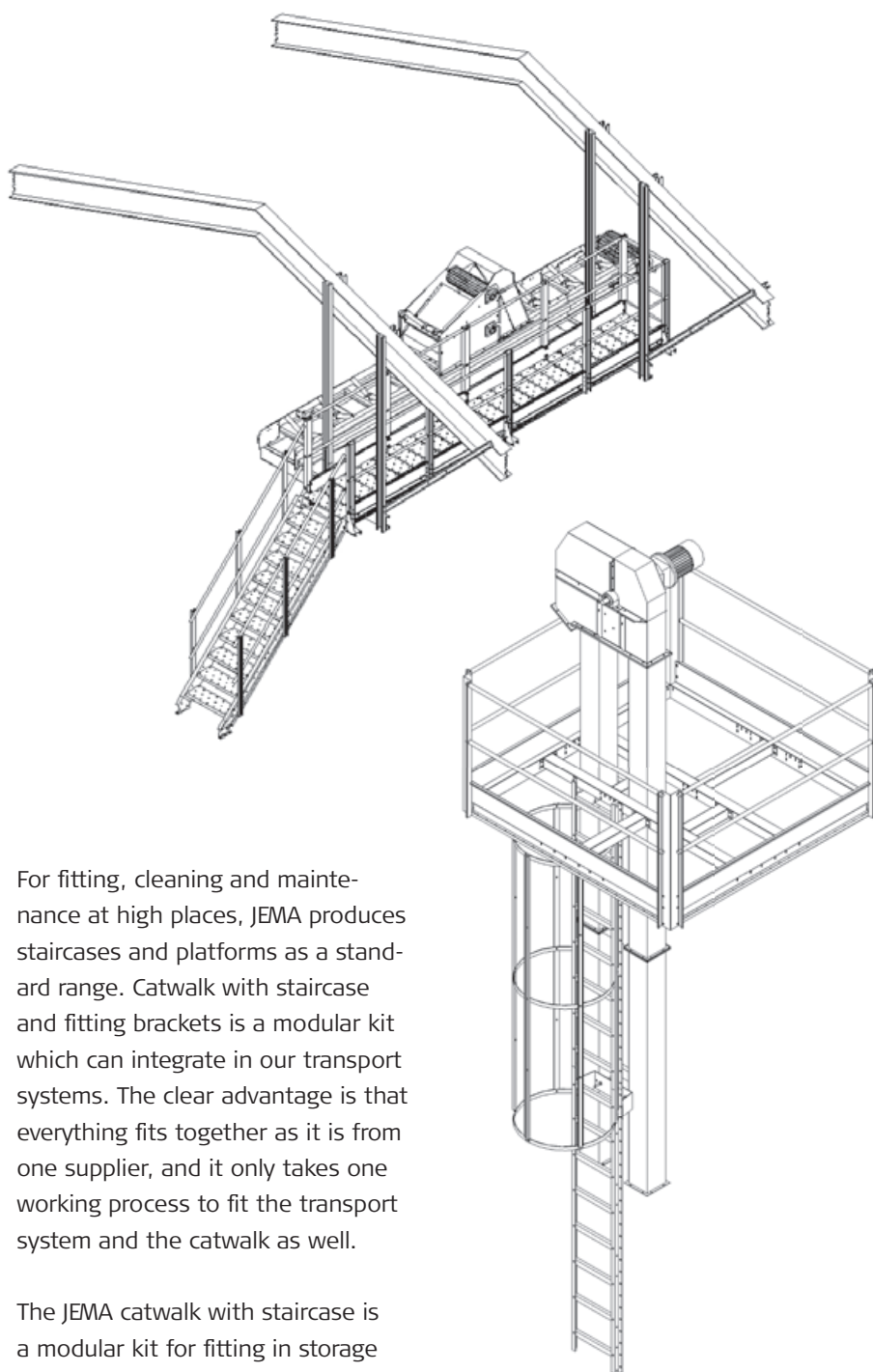
Length in metres	T31
3	80
4	91
5	102
6	113

Capacity ton per hour:

Litre oil/min.	R.p.m.	T31			
		Grain		Fertilizer	
		45°	65°	45°	65°
30	600	30	20	35	25
45	900	40	25	45	30

Catwalk, staircase and platform





For fitting, cleaning and maintenance at high places, JEMA produces staircases and platforms as a standard range. Catwalk with staircase and fitting brackets is a modular kit which can integrate in our transport systems. The clear advantage is that everything fits together as it is from one supplier, and it only takes one working process to fit the transport system and the catwalk as well.

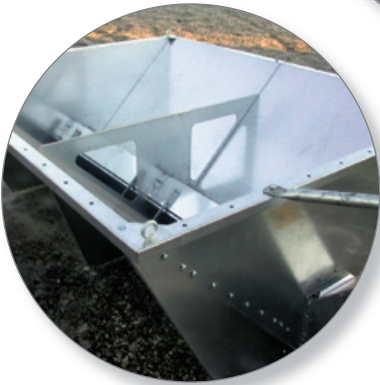
The JEMA catwalk with staircase is a modular kit for fitting in storage buildings or for fitting on outdoor silos. The suspension brackets are supplied in individual sizes to fit into all buildings as a part of the carrying construction for the transport system. The JEMA platform and ladder sections can be fitted on the JEMA bucket elevators T53, T54, T55. The platform is constructed from steel profiles which are fitted on site.

We have carried out static calculations of strength of the catwalk and support under the catwalk at a distance up to more than 6 m. The JEMA catwalks, staircases and platforms comply with all demands for use and approval in the EU.

Total solution

- Modular units
- Universal brackets
- Approved according to the EU standards

Tipping Hopper



Ground water is not an insolvable problem! With a JEMA tipping hopper placed on the ground, you can tip the grain into the reception hopper, and transport it full automatically further in the transport system.

It is possible to fit one or more side extensions. The tipping hopper is supplied in sections of 1,0 m., and can, fitted with a chain and flight conveyor, be extended to a length of 15,0 m. Fitted with a side auger to a chain elevator, the tipping hopper can

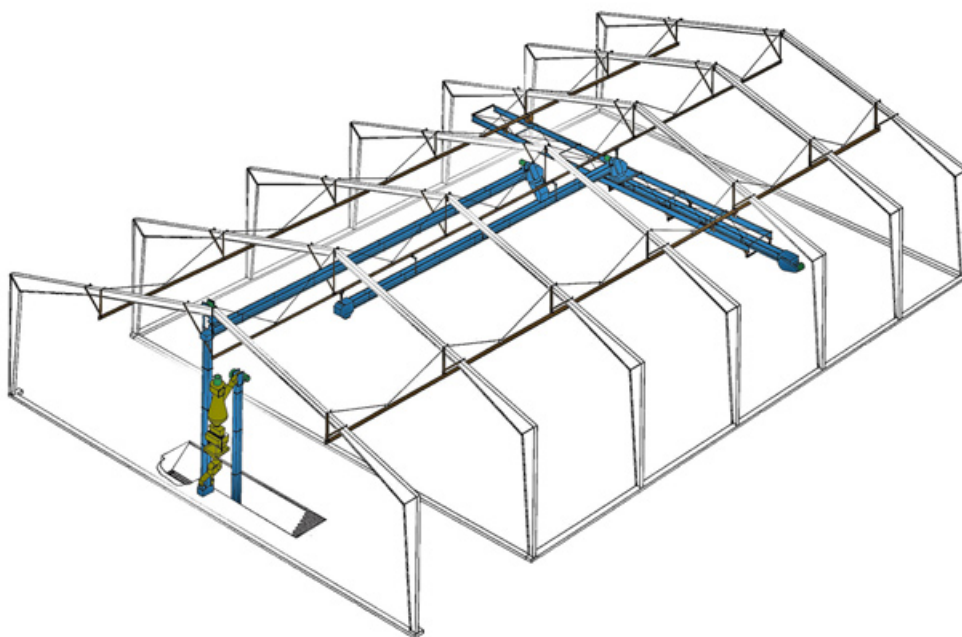
be extended to a length of 8,0 m. As accessories we supply tarpaulins and roller bars. With side extensions on three sides, a section of one metre contains approx. 1 m³. The width of the tipping hopper is 1,66 m., and the height is 82 cm. Each side extension is 40 cm. high.

The tipping hopper can be fitted with JEMA chain and flight conveyors: T44 – T45 – T49 – T57, and on the JEMA side augers for the chain elevators T20 – T40. With this range of

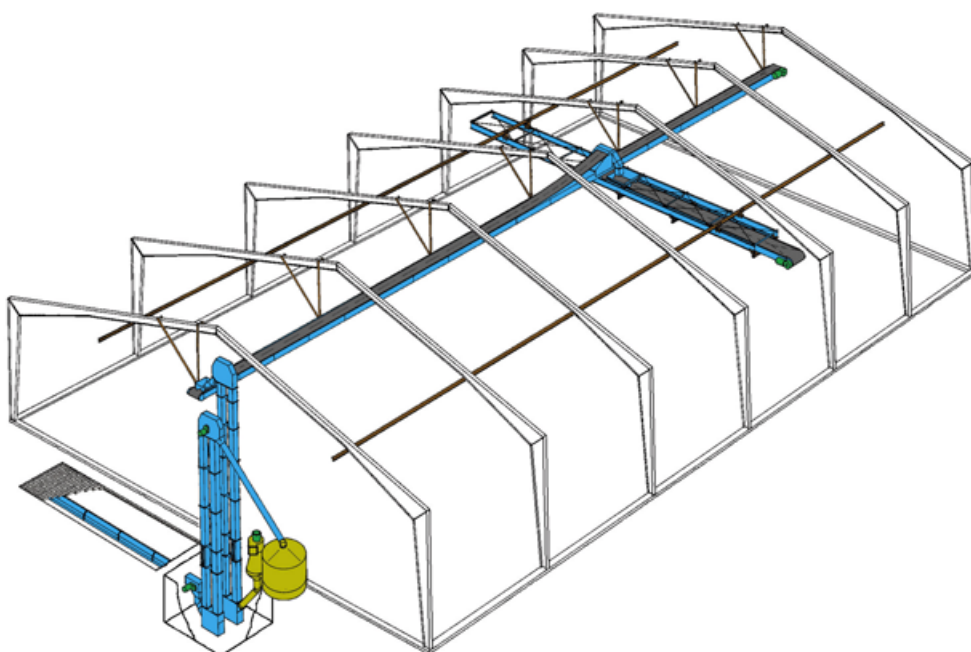
options, the tipping hopper can be emptied with capacities from 12 t/h to 120 t/h.

Manufactured from 1.5 mm. galvanized steel plate the tipping hopper is supplied in standard components, which makes for easy assembly. The tipping hopper can be used for many purposes. Among other things it can be placed as hopper in the bottom of a pit (not water proof). Also it can be placed on the ground in order to avoid the seeping in of groundwater.

Grain conveying systems



Classical A-, B-, C-belt system with capacity 25-50 t/h.



Belt conveying system with capacity 80-120 t/h.

Pre-cleaners KF20, capacity 20 t/h

Pre-cleaners KF40, capacity 40 t/h



The pre-cleaner is used to separate light impurities from grain, maize, peas and beans.

It may be advantageously installed to allow crop passage through the cleaner immediately after intake, after drying and before discharge.

Flexible modular system:

Pre-cleaner, fan and air intake regulators are self-contained units.

Pre-cleaner:

The location of the pre-cleaner will depend on the individual conveying system.

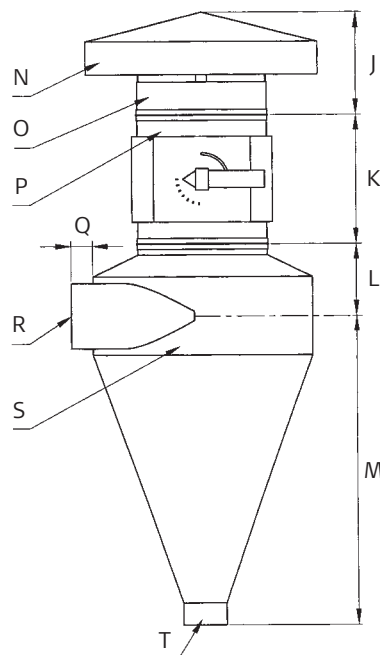
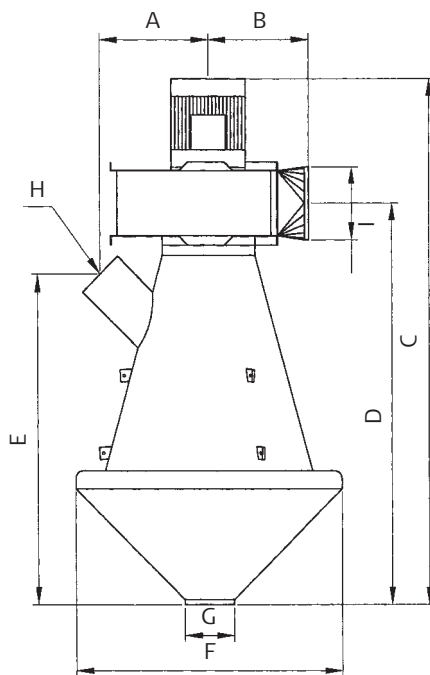
Fan and air intake regulator:

The fan and regulator may be located at any point in the trash pipeline. Easy access to the regulator is necessary, the ideal position being adjacent to the trash cyclone/outlet, so that

the effect of any adjustment can be observed.

Mode of operation:

Working on the aspiration principle, the uncleaned crop falls through an upward moving air stream, generated by the fan. Particles lighter than the crop are uplifted by this air flow and carried out through the trash outlet. The cleaned crop is discharged through the bottom outlet.



Measures in mm.:

	A	B	C	D	E	F	G	H	I
KF20	315	291	1330	1015	830	Ø730	Ø160	Ø160	Ø200
KF40	440	420	2119	1612	1330	Ø1080	Ø200	Ø200	Ø300

Cyclone

Measures in mm.:

	J	K	L	M	N	O	P	Q	R	S	T
20 t/h	420	400	310	910	Ø750	Ø400	Ø400	80	Ø200	Ø830	Ø160
40 t/h	470	600	360	1410	Ø970	Ø600	Ø600	100	Ø300	Ø1020	Ø200

Technical Data:

	KF20	KF40
Max capacity (barley) ton per hour	20	40
Motor output. kW	1.5	5.5
Motor speed r.p.m.	3000	3000
Weight (incl. motor) kg.	105	250
Max recommended pipe length from fan outlet *) m.	15 (Ø200)	15 (Ø300)
Motor form	Standard flanged	

*) Horizontal, including two 90° bends and cyclone (excessive length may reduce the cleaning efficiency).

Grain weighers MV5/MV15/MV25/MV40



JEMA weighing machines are suitable for the bulk weighing of any flowable material with a granule size of not more than 15 mm. The weighers are intended for use with all cereals, rape and linseed as well as peas and beans.

The construction is robust, and they are available in three sizes. The models MV15 and MV25 are two compartment machines, whereas the model MV40 has only one compartment. When weighing dry wheat, the throughput of model MV15 is 15 ton

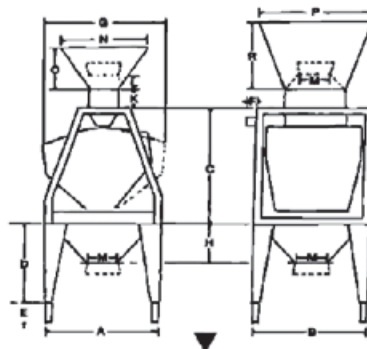
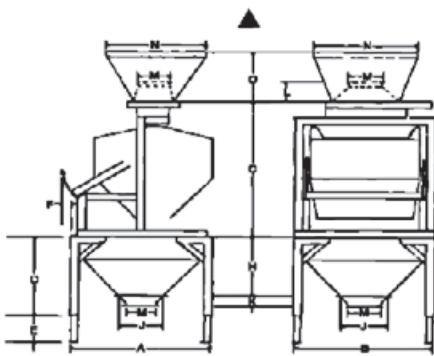
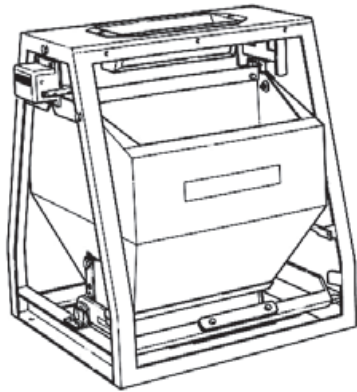
per hour, MV25 25 ton per hour, and MV40 40 ton per hour. Each compartment of the MV15 machine weighs 25 kg. of material, and the MV40 weighs 100 kg. of material.

A mechanical counter with reset facility is standard equipment on all models. An electronic counter and control system is available as additional equipment.

With this system, the weighing machine may be controlled from a remote station. This facility enables the plant to be shut down after a

preselected weight of material has been weighed by the machine. The electronic counter is particularly suitable for installations where it is convenient to read the mechanical counter.

All machines are calibrated prior to leaving the factory, but it is prudent to check the calibration at least once annually. On all three models, this is easily accomplished. When correctly installed, the weighing accuracy of all three models is not only extremely good, but also very consistent.



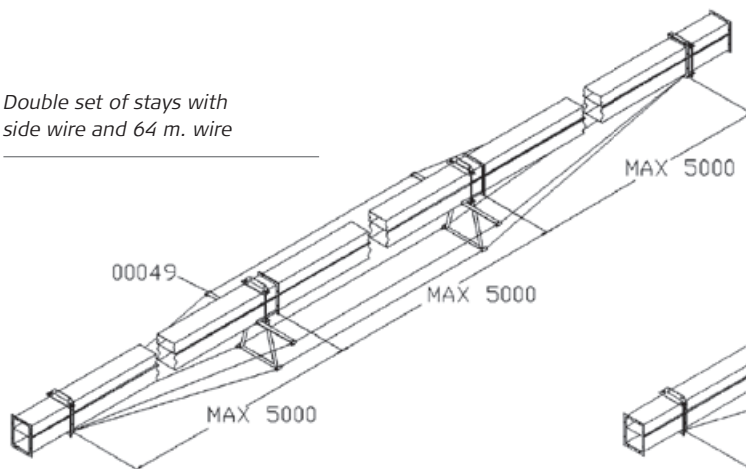
Measures in mm.:

	A	B	C	D	E	F	G	H
MV5	500	500	585	400	0-300	15	550	250
MV15	660	660	730	600	0-400	40	720	300
MV25	800	810	840	600	0-400	40	860	350
MV40	900	900	1030	600	0-400	50	485	300

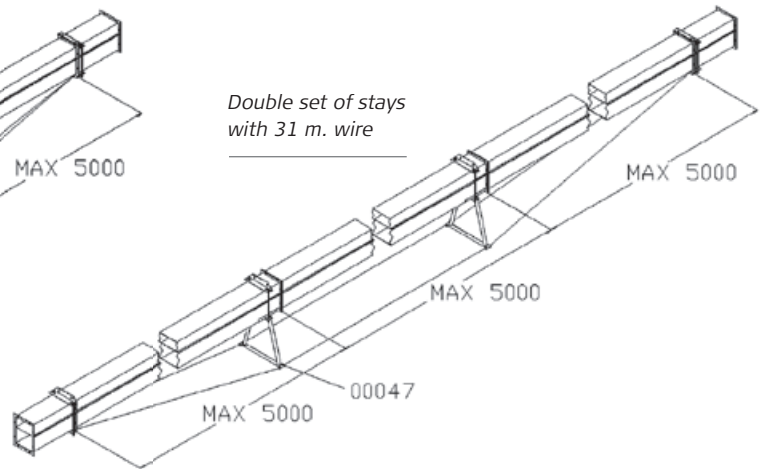
	K	L	M	N	O	P	R
MV5	100	125	125	400	200	480	335
MV15	100	75	125	400	200	480	335
MV25	100	75	180	400	200	480	335
MV40	120	150	180	670	380		

Accessories

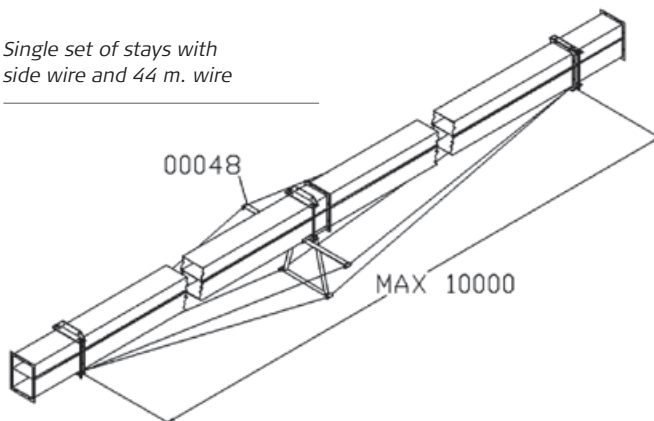
Double set of stays with side wire and 64 m. wire



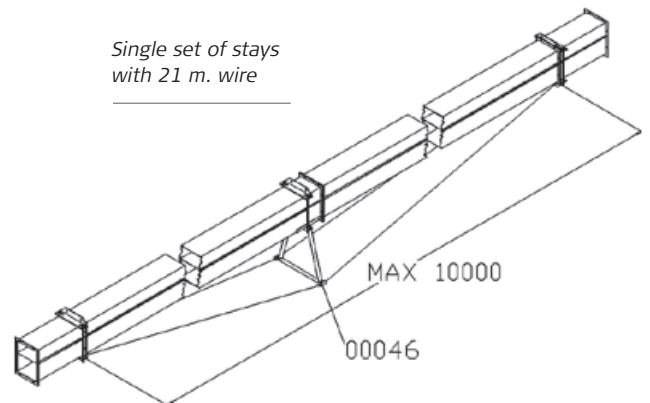
Double set of stays with 31 m. wire



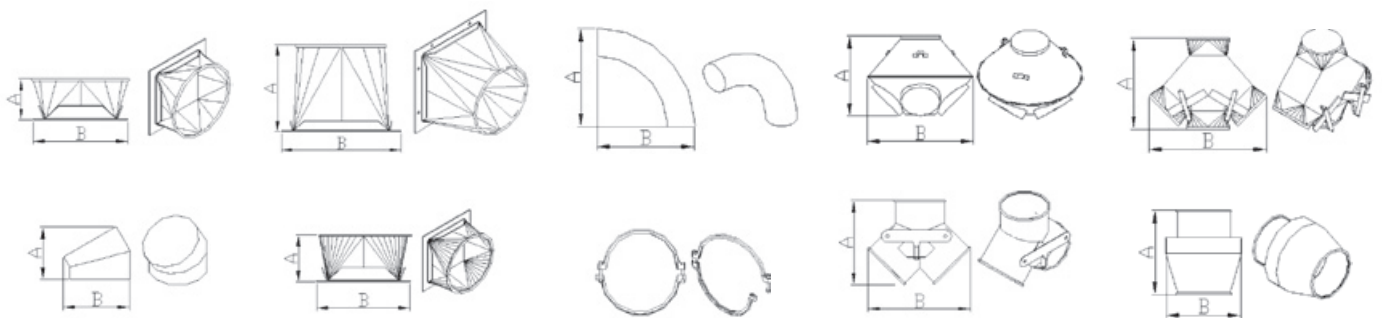
Single set of stays with side wire and 44 m. wire



Single set of stays with 21 m. wire



Pipes and bends



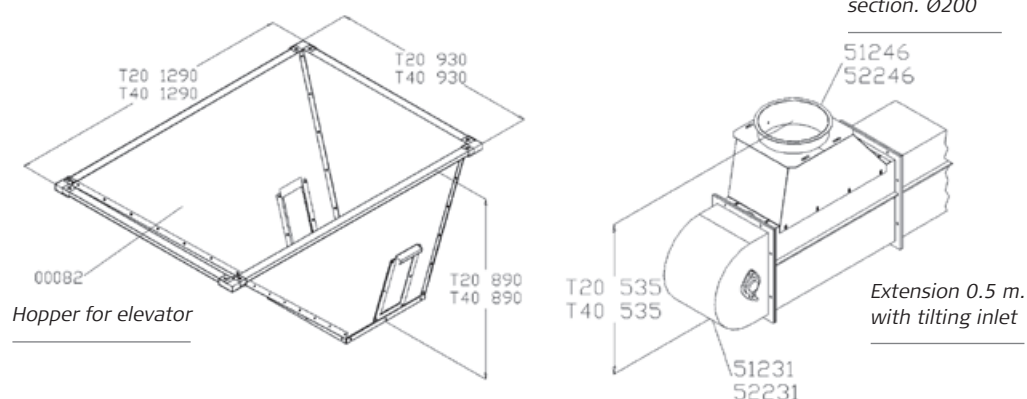
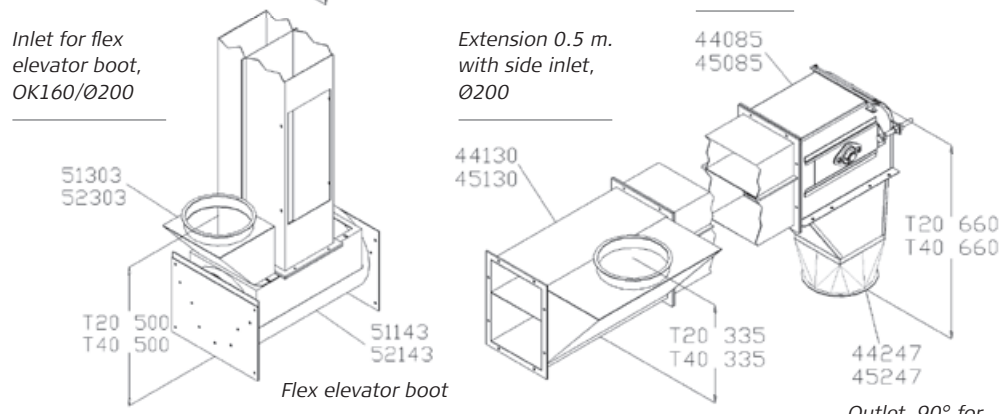
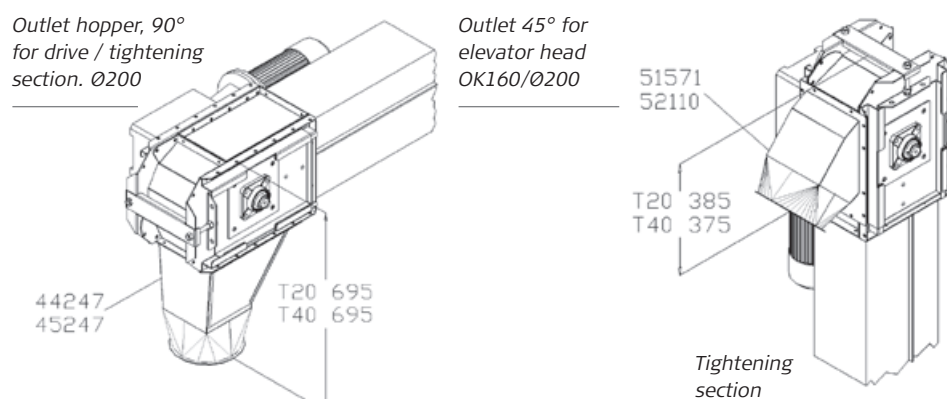
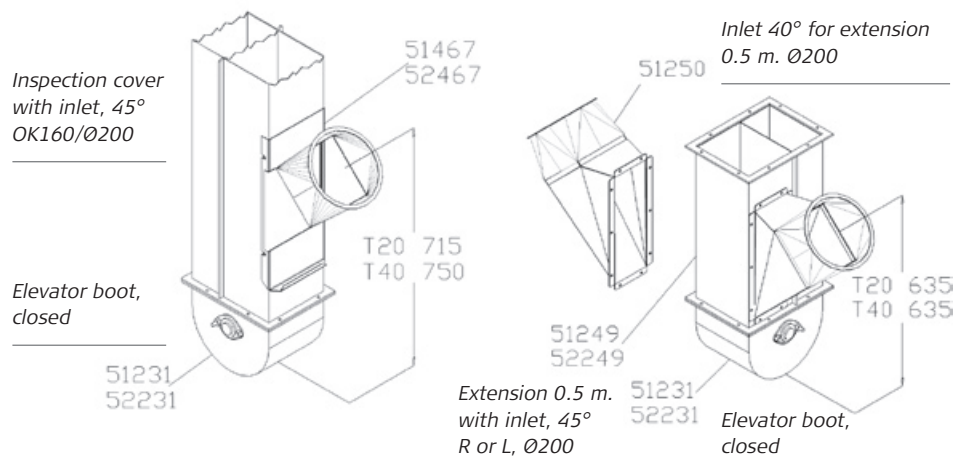
JEMA AGRO Accessories

Through the years we have supplied transport systems for many types of buildings and for storage facilities placed indoor as well as outside. This has given us great knowledge

and understanding of how to make concepts for transport systems with lasting efficiency, reliability, durability and safety.

With JEMA AGRO's wide range of accessories it is possible to adjust

standard machines exactly to the particular function it has to fulfil, and to the placement that is required. On these pages we show a small selection of our range of accessories for stays, inlet and outlet hoppers, pipes and bends.



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