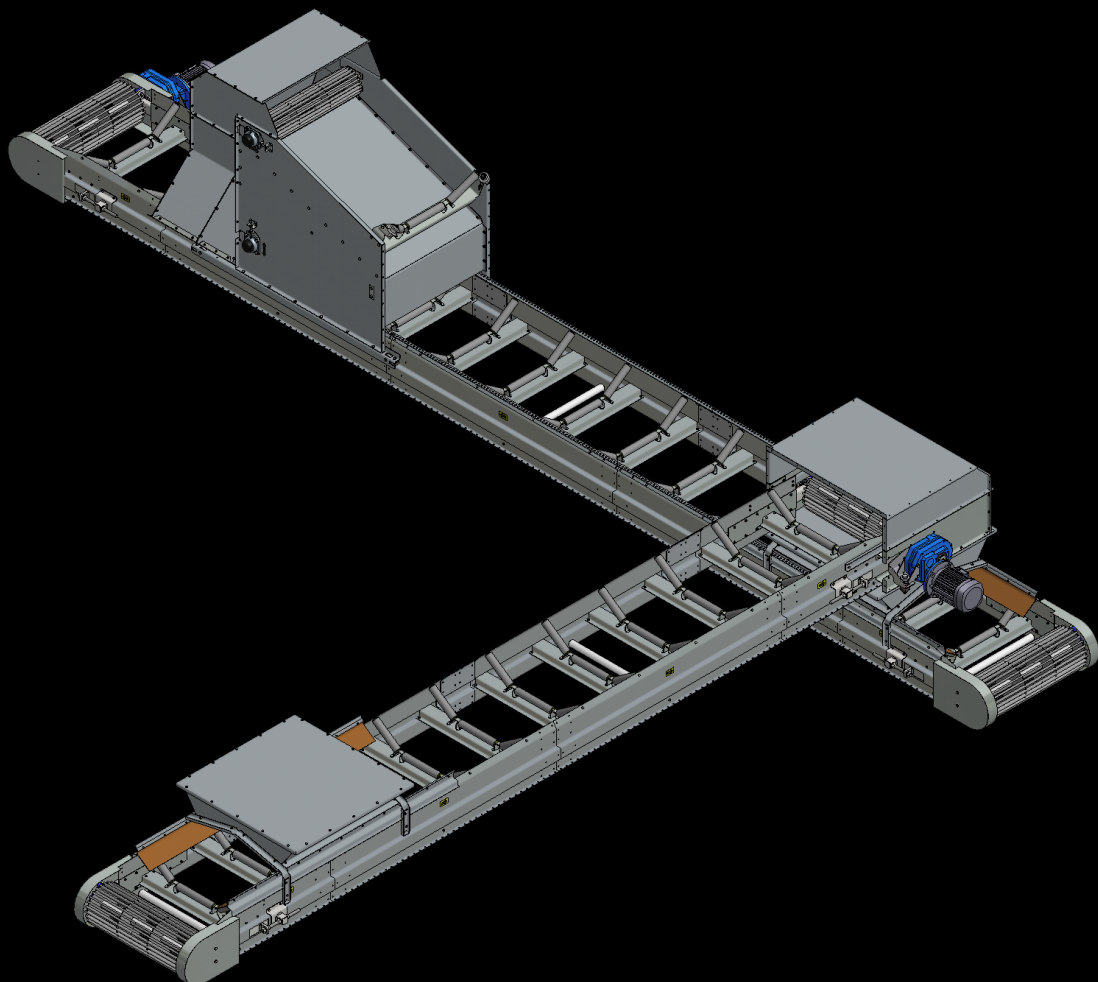


Manual Belt conveyor BC400

Version 70522.1



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Introduction

JEMA AGRO A/S is a modern factory, which specializes in producing and delivering equipment for transport systems for raw or cleaned grain, seeds and granulates.

Our current product range is the result of more than 60 years experience in machine development especially for the agriculture in close collaboration with our customers – and our company is highly regarded in the industry due to the quality and versatility of our products.

JEMA AGRO A/S conveyors and transport systems are compatible with ALL types of dryer- and silage systems.

Important!

Please read these instructions carefully before assembly and use.

EU Declaration of conformity

The manufacturer: JEMA AGRO A/S
Kløservejen 2, Sahl
DK-8850 Bjerringbro
Tlf. +45 86 68 16 55

Hereby declares that:

Product: Belt conveyor
Type: BC400
Year of production: 2012

- Conforms to the Machine directive 2006/42/EF with special reference to the directive appendix 1 regarding major health- and safety regulations regarding construction and production of the machines

The following standards have been applied:

EN ISO 12100-1:2005	Basic terminology and methodology
EN ISO 12100-2:2005	Technical principles
EN 1050:1997	Principles for risk assessment

- is in accordance with EMC-directive 04/108/EF of 15th December 2004 regarding electromagnetic compatibility.

Director Jens-Peter Pedersen

Title Name

06-06-2013

Date Signature



Conditions of use

JEMA AGRO A/S belt conveyors BC400 have been constructed for transport of grain, granular materials and seed mix.

- The belt conveyors BC400 must only be used for the product(s) specified in the contract.
- The electrical connections must be done by a qualified electrician.
- The belt conveyors BC400 must be potential adjusted in accordance with the current local regulations
- The belt conveyor has been thoroughly controlled regarding maintenance, and a checklist has been drawn up containing regular cleaning- and maintenance intervals. If these intervals are not observed, the JEMA AGRO conditions for a trouble-free operation cease to exist and the warranty will be invalid. Please read the attached maintenance summary.
- During installation, maintenance or repair the electric supply to the belt conveyors must be disconnected and secured against accidental reconnection.
- The user manual must be kept / be available in close proximity to the belt conveyor BC400.

General information

Delivery

The belt conveyor is disassembled for shipment. Standard packing (pallet/wooden boxes, grid boxes, etc.) Regarding the actual transport there are no specific requirements apart from normal consideration.

The shipment includes the parts stated in the order confirmation.

Before installation and use, this manual must be read carefully.

Storage

There are no precautions regarding long-time storage.

After delivery the components must be kept in a suitable, dry storage area before installation.

Noise level

A noise level test was conducted for the belt conveyor. The level has been measured in a distance of 1 m from the conveyor.

During the test the belt conveyor was without any load, which is the operational state of maximum noise level.

The measured noise level is 70 dB

Type Plate

The type plate is fitted on the drive station.



Construction

The belt conveyor BC400 is made up of standard elements, which can be combined and easily integrated into all grain conveyor systems. The belt conveyor is characterized by a large capacity with compact dimensions. The conveyor operates efficiently both horizontally and at an inclination of up to 30° and offers – in spite of the capacity – low power consumption.

The conveyor is made of galvanized steel. The transport function is a belt, available in 3 sizes, T50 has a belt width of 400 mm for 60 t/h. T51 has a belt width of 500 mm for 105 t/h and T52 has a belt width of 650 mm for 150 t/h. The T51 is fitted with sliding profiles on the front side with 0.5 m intervals and the return side is fitted with track rollers with 2.0 m intervals.

The belt conveyor can transport material in both travel directions and it is capable of an incline up to 30° by the use of carriers – however at a reduced capacity

The belt conveyor can be fitted stationary or mounted on rails. Outlets can be placed above one or both ends – or a tripper carriage, which can discharge the material in the full length of the belt.

The belt conveyor consists of:

- Drive station
- Tightening section
- Conveyor belt
- Extensions from 0.5 m to 2.0 m
- Tripper carriage
- Inlet hopper
- Shaft mounted gear motor

Capacity

The table below shows the various density capacities:

Density	BC400 (400 m ³ /h)
650 kg. pr. m ³	260 t/h
700 kg. pr. m ³	280 t/h
750 kg. pr. m ³ (wheat)	300 t/h

Measured in cleaned, storable material at a power supply of 50 Hz

The capacity varies according to the nature of the material.

Technical specifications – power consumption

Belt conveyor BC400 - power consumption in kW:

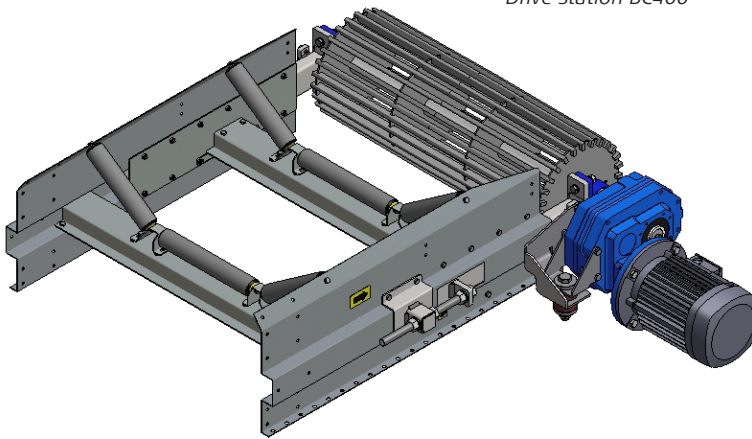
	3,0 kW	4,0 kW	5,5 kW	7,5 kW	2 x 5,5 kW	2 x 7,5 kW
BC400	0 - 10 m.	11 - 23 m.	24 - 35 m.	36 - 49 m.	50 - 67 m.	68 - 100 m.

Drive station & Tightening section

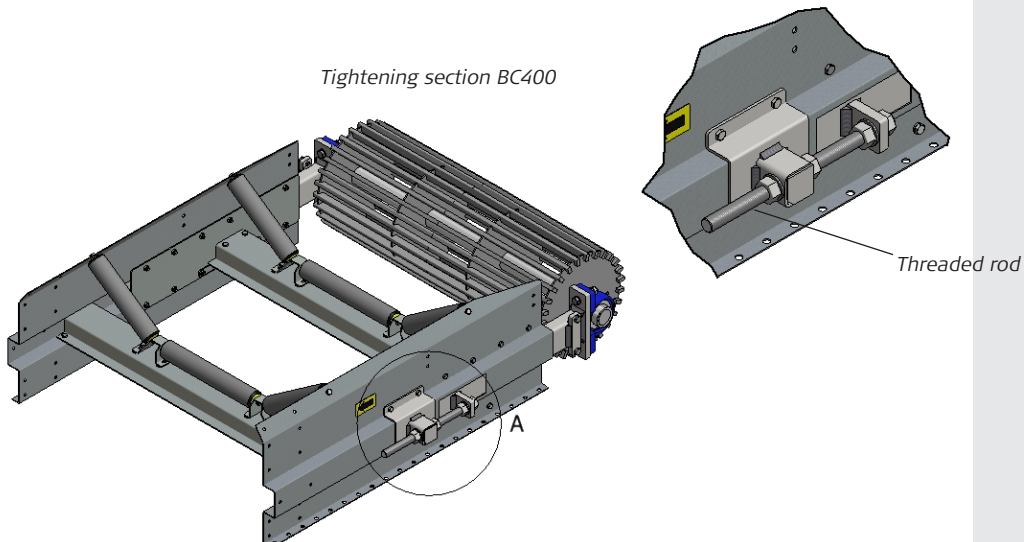
The conveyor belt is equipped with a drive station and a tightening section. The drive station is fitted with a motor, available in various sizes – see section “Technical specifications”.

The drive station and tightening section are fitted with two threaded rods for belt tensioning/adjustment.

Drive station BC400



Tightening section BC400

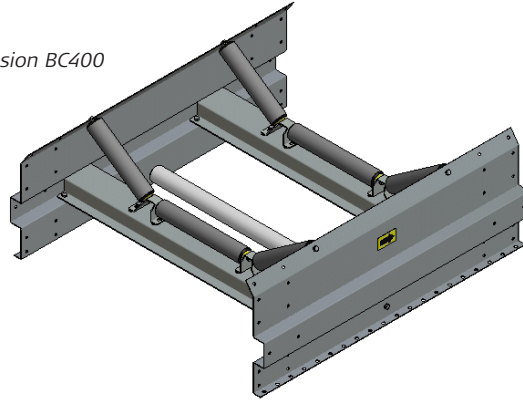


Extensions

The extensions for the belt conveyor are available in different lengths: 0.5 m – 1.0 m – 2.0 m.

By combining these elements, it will be possible to obtain any length with intervals of 0.5 m up to a total length of 120 m.

Extension BC400



Conveyor belt

The belt must be vulcanized on site by skilled fitters.

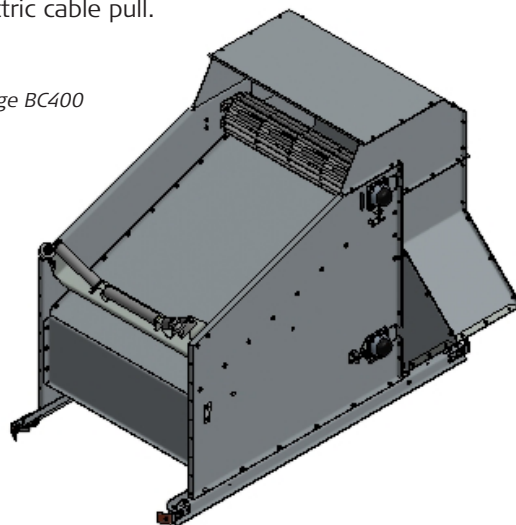
Belt quality	BC400
Standard quality	NK 250/2, 3,0 +1,5
Oil resistant	GOR 250/2, 3,0 +1,5
With carriers	NK250/2, 3,0 +1,5 VW16
With carriers Oil resistant	GOR 250/2 3,0 +1,5 VML15/310

Tripper carriage

The tripper carriage can constantly unload material to the left or right hand side of the belt, starting 11,0 m from the inlet (shown on the drawing page 11) and up to 1.0 m before the opposite end of the belt.

The tripper carriage must be pulled with electric cable pull.

Tripper carriage BC400

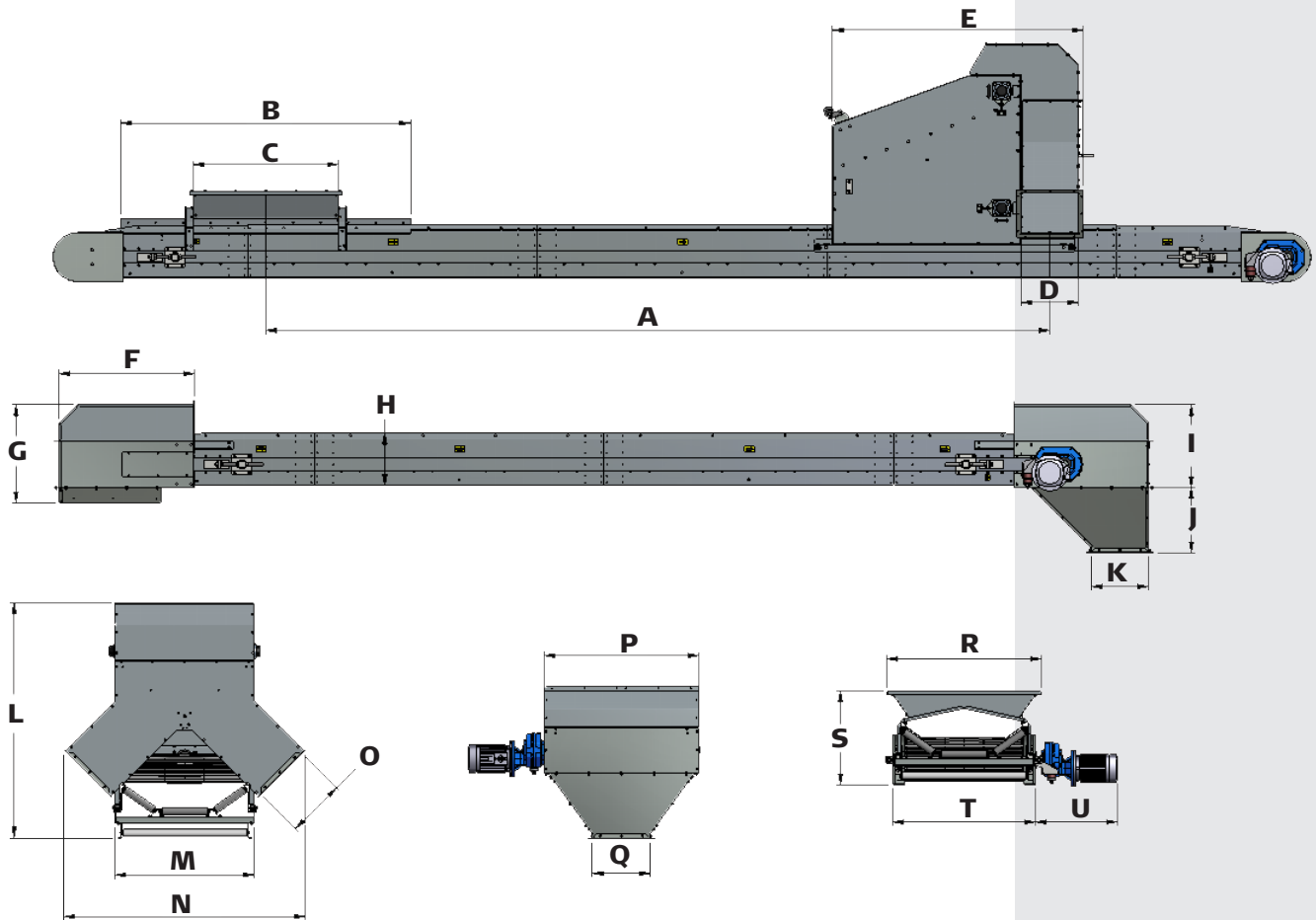


Scale drawing BC400

	A	B	C	D	E	F	G	H
T50	Min. 11000	2000	1000	400x400	1730	935	680	360

	I	J	K	L	M	N	O	P
T50	572	450	400x400	1630	960	1065	400x400	1070

	Q	R	S	T	U
T50	400x400	1065	645	982	690



Upon receipt

Please check that all parts and components are included in the shipment and check for possible transport damages.

NB: Make sure that the relevant supplier documentation is attached. In case of missing documentation, please contact JEMA AGRO A/S – remember to state the order no.

Remember all necessary safety equipment before installation.

Please read this manual carefully before assembly or installation work begins.

Warning labels

The belt conveyor is fitted with warning labels.

Warning!

The covers and shields must not be opened or removed, when the machine is working.



Foundation

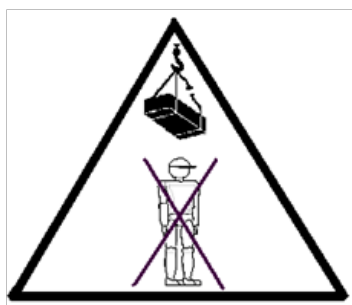
The belt conveyor should be placed on a level surface, and that the attachment / support are of sufficient capacity.

Lifting equipment

Make sure to have the required SWL-approved lifting equipment/crane, required for the actual job.

The lifting equipment must be approved to carry the load in question. The load capacity for the individual components can be seen under "Parts list BC400" in this manual.

The total weight of the machine is stated in the section "Weight table belt conveyor BC400".

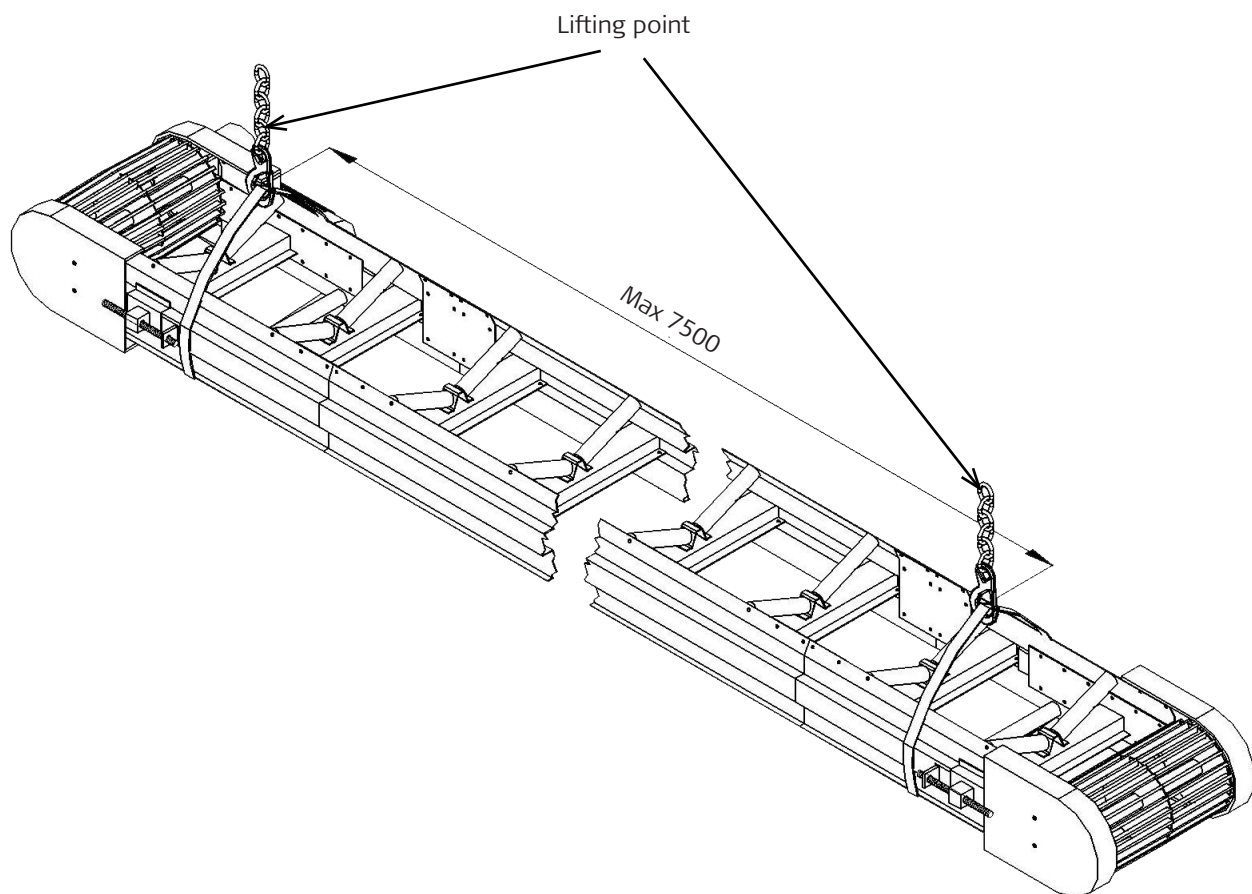


NB: Always make sure that nobody is standing under a suspended load.

Lifting instructions

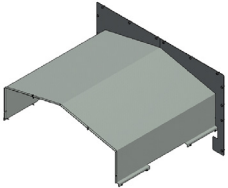
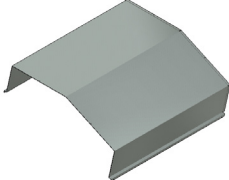
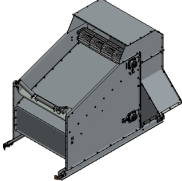
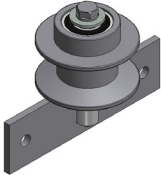
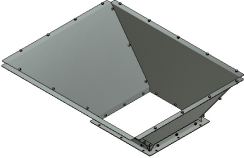
The drawing below shows how to lift the belt conveyor.

Max. allowed distance between 2 fixation points is 7.5 m.



Weight table – individual components BC400

	Description	BC400 part no.	Weight kg
	Drive station 1,0 m	50480	126
	Tightening section 1,0 m	50481	116
	Extension 0,5 m without belt	50482	17
	Extension 1,0 m without belt	50483	34
	Extension 2,0 m without belt	50484	63
	Belt 800 mm NK 250/2, 3,0 + 1,5	91180	5,7
	Oil resistant Belt 800 mm, 250/2 3,0+1,5 GOR	91181	5,7
	Belt 800 mm NK 250/2, 3,0 + 1,5 with V slats VW16	91182	7
	Belt 800 mm 250/2 3,0 + 1,5 with V slats VML15/310	91183	7
	Oil resistant		
	Inlet hopper for free flow	50485	35
	Outlet skirt with top part	50703	55

	Description	BC400 part no.	Weight kg
	Collecting skirt for outlet skirt	50737	6,5
	Cover for Drive/Tightening station	50715	20
	Cover 0,5 m	50716	9
	Cover 1,0 m	50717	18
	Cover 2,0 m	50718	36
	Tripper carriage with drive winch and manual divider	50722	447
	Tripper carriage with drive winch and 230/400 V divider	50723	455
	Tripper carriage without drive winch	50728	358
	Guide roller with fitting	50194	0,5
	Collection hopper for outlet skirt 400 x 400	50704	27

Weight table – belt conveyor BC400

Complete with drive station, tension section, extensions, belt, and shaft mounted gear motor.

Important! Weight of tripper carriage with drive winch + 400 kg.

Length in metres	BC400		Length in metres	BC400		Length in metres	BC400	
	kW	kg.		kW	kg.		kW	kg.
4,75	3,0	377	44,75	7,5	2427	84,75	2 x 7,5	4577
5,75	3,0	427	45,75	7,5	2477	85,75	2 x 7,5	4627
6,75	3,0	477	46,75	7,5	2527	86,75	2 x 7,5	4677
7,75	3,0	527	47,75	7,5	2577	87,75	2 x 7,5	4727
8,75	3,0	577	48,75	7,5	2627	88,75	2 x 7,5	4777
9,75	3,0	627	49,75	2 x 5,5	2677	89,75	2 x 7,5	4827
10,75	4,0	677	50,75	2 x 5,5	2727	90,75	2 x 7,5	4877
11,75	4,0	727	51,75	2 x 5,5	2777	91,75	2 x 7,5	4927
12,75	4,0	777	52,75	2 x 5,5	2827	92,75	2 x 7,5	4977
13,75	4,0	827	53,75	2 x 5,5	2877	93,75	2 x 7,5	5027
14,75	4,0	877	54,75	2 x 5,5	2927	94,75	2 x 7,5	5077
15,75	4,0	927	55,75	2 x 5,5	2977	95,75	2 x 7,5	5127
16,75	4,0	977	56,75	2 x 5,5	3027	96,75	2 x 7,5	5177
17,75	4,0	1027	57,75	2 x 5,5	3077	97,75	2 x 7,5	5227
18,75	4,0	1077	58,75	2 x 5,5	3127	98,75	2 x 7,5	5277
19,75	4,0	1127	59,75	2 x 5,5	3177	99,75	2 x 7,5	5327
20,75	4,0	1177	60,75	2 x 5,5	3227	100,75	2 x 7,5	5377
21,75	4,0	1227	61,75	2 x 5,5	3277	101,75	2 x 7,5	5427
22,75	4,0	1302	62,75	2 x 5,5	3387	102,75	2 x 7,5	5477
23,75	5,5	1352	63,75	2 x 5,5	3437	103,75	2 x 11,0	5527
24,75	5,5	1402	64,75	2 x 5,5	3487	104,75	2 x 11,0	5577
25,75	5,5	1452	65,75	2 x 5,5	3537	105,75	2 x 11,0	5627
26,75	5,5	1502	66,75	2 x 5,5	3587	106,75	2 x 11,0	5677
27,75	5,5	1552	67,75	2 x 7,5	3637	107,75	2 x 11,0	5727
28,75	5,5	1602	68,75	2 x 7,5	3687	108,75	2 x 11,0	5777
29,75	5,5	1652	69,75	2 x 7,5	3737	109,75	2 x 11,0	5827
30,75	5,5	1702	70,75	2 x 7,5	3787	110,75	2 x 11,0	5877
31,75	5,5	1752	71,75	2 x 7,5	3837	111,75	2 x 11,0	5927
32,75	5,5	1802	72,75	2 x 7,5	3887	112,75	2 x 11,0	5977
33,75	5,5	1852	73,75	2 x 7,5	3937	113,75	2 x 11,0	6027
34,75	5,5	1902	74,75	2 x 7,5	3987	114,75	2 x 11,0	6077
35,75	7,5	1952	75,75	2 x 7,5	4037	115,75	2 x 11,0	6127
36,75	7,5	2002	76,75	2 x 7,5	4087	116,75	2 x 11,0	6177
37,75	7,5	2052	77,75	2 x 7,5	4137	117,75	2 x 11,0	6227
38,75	7,5	2102	78,75	2 x 7,5	4187	118,75	2 x 11,0	6277
39,75	7,5	2152	79,75	2 x 7,5	4237	119,75	2 x 11,0	6327
40,75	7,5	2202	80,75	2 x 7,5	4287	120,75	2 x 11,0	6377
41,75	7,5	2252	81,75	2 x 7,5	4337			
42,75	7,5	2327	82,75	2 x 7,5	4477			
43,75	7,5	2377	83,75	2 x 7,5	4527			

Assembly

Please check the foundation and the travel direction (location of inlet and outlet) before starting the assembly.

It is important to read these instructions carefully before starting the assembly.

Check that there is sufficient space.

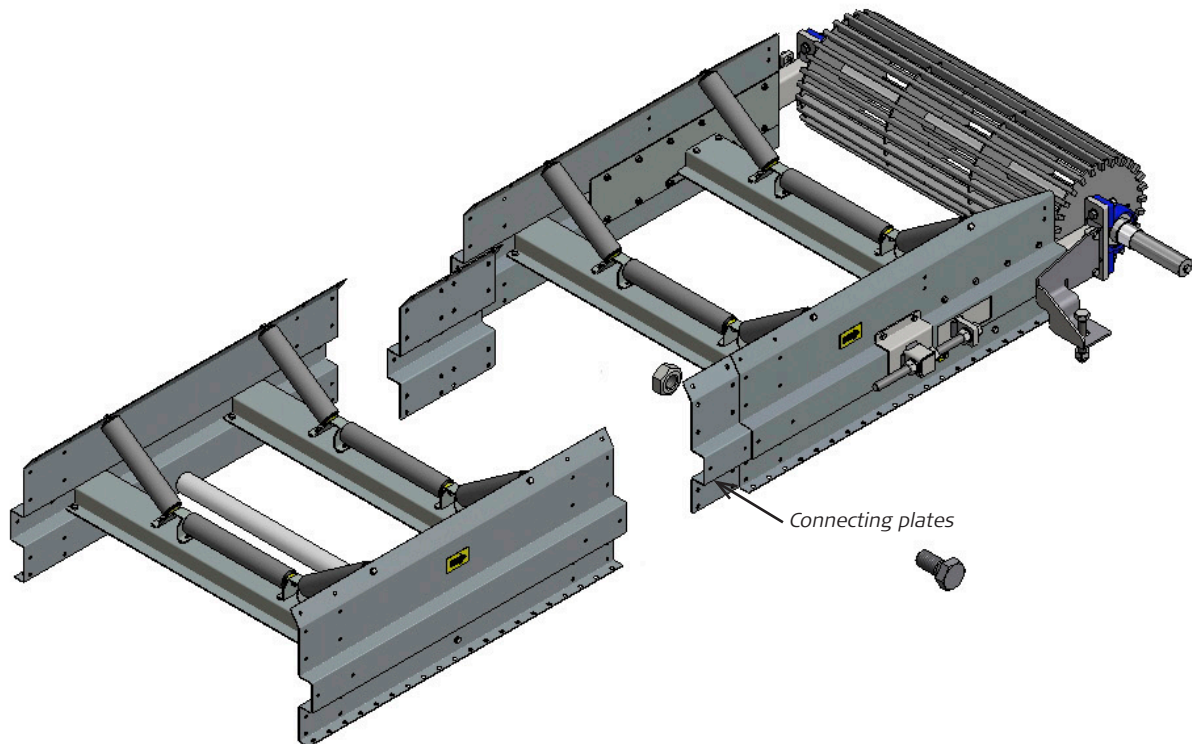
Attention!

Before starting the assembly work, check that the required safety equipment is available, e.g. work gloves, safety footwear, helmet, safety glasses and a lifeline, if necessary. These parts are not included as standard.

Drive station & Tightening section

Assemble the drive station and tightening section with extension by means of the connecting plates and the enclosed fasteners.

Remember! The bolt must be placed on the front side with the nut on the back side. See the drawing below.



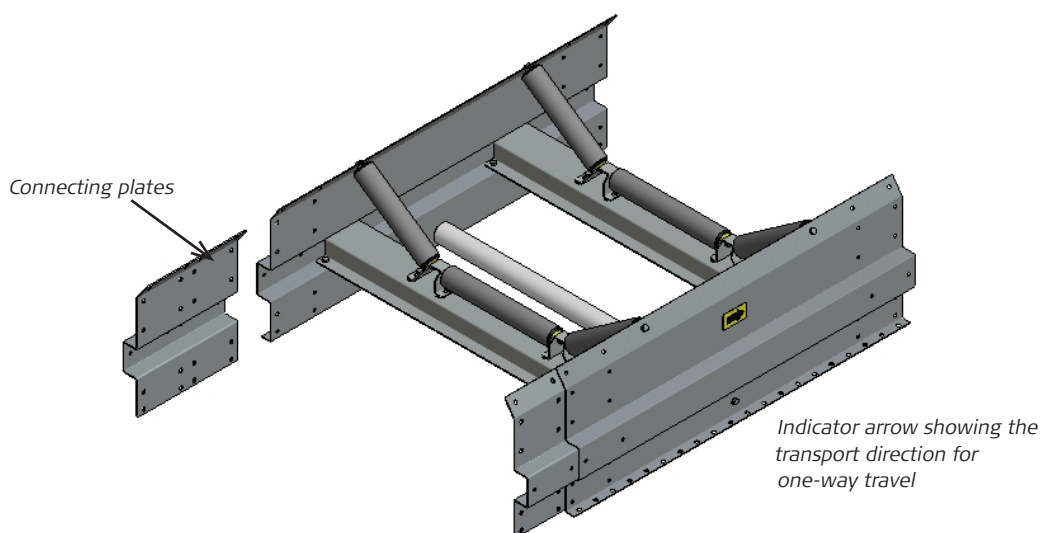
Extensions

As shown in the drawing the extensions are assembled and fitted by using the connecting plates and the enclosed hardware.

The conveyor must constantly be secured during the assembly – see section “Attachment”.

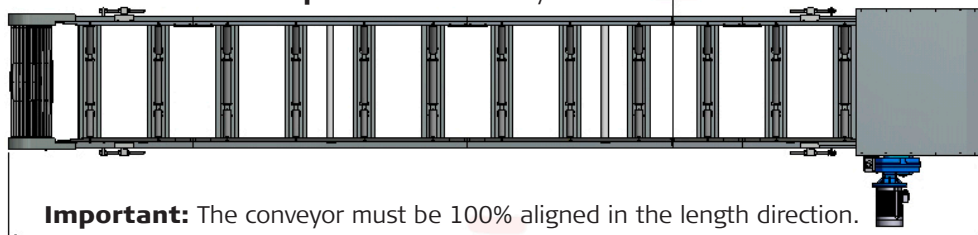
Extensions that are designed for one-way transport have an indicator arrow, which shows the travel direction (the top track roller is fitted for one-way transport).

Extensions designed for transport in both directions do not have this arrow (the top track roller is fitted for transport in both directions). – ref. page 25.



For transport in both directions the belt conveyor must be equipped with edge guide rollers.

Important: The conveyor must be 100% leveled on the width direction.



Important: The conveyor must be 100% aligned in the length direction.

Tripper carriage

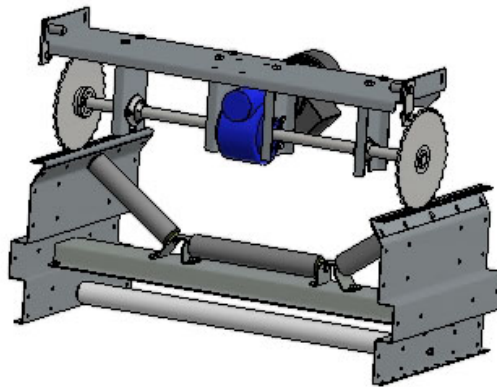
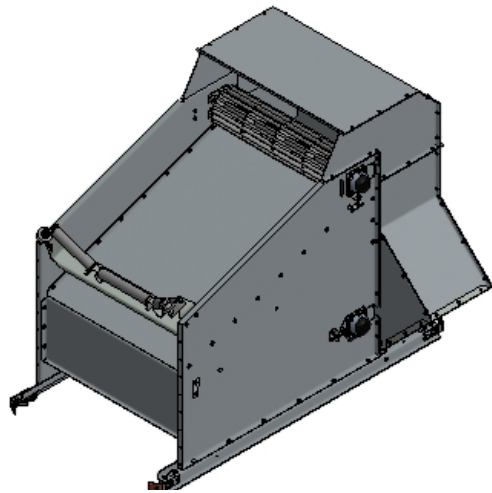
If the belt conveyor is required with tripper carriage, this must be fitted.

Adjust the tripper carriage lift rolls before starting the belt conveyor in order to support the belt by a light pressure.

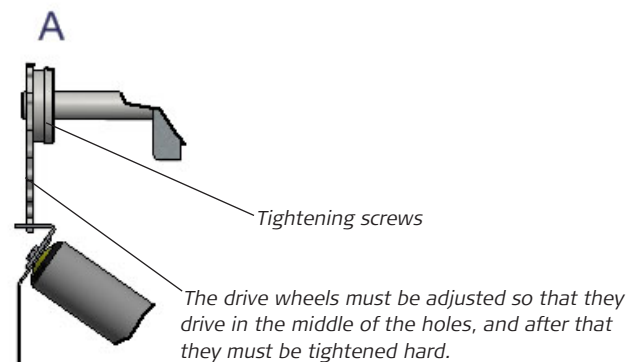
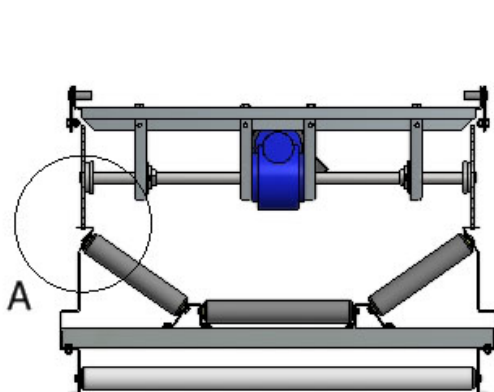
When starting the conveyor, adjust the tripper carriage belt drums horizontally and vertically in order to centre the belt during travel.

If the tripper carriage is fitted with a drive winch. See drawing below for adjustment of the drive winch

Tripper carriage BC400

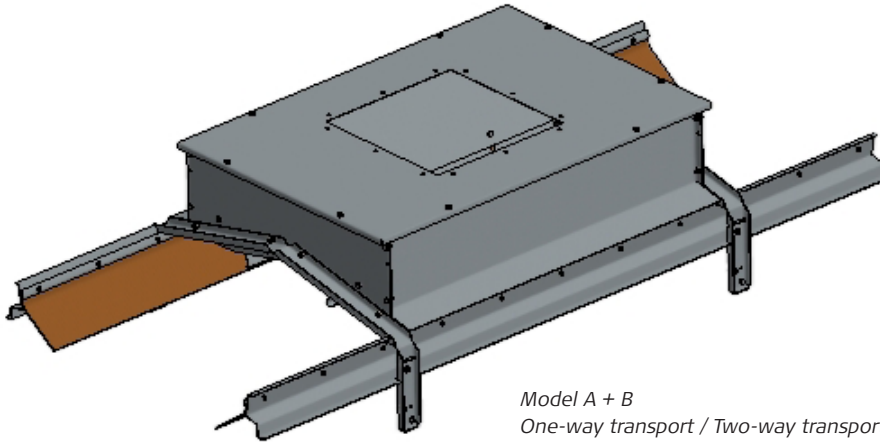


Adjusting of the drive winch



Inlet hopper

Inlet hopper can be fitted to the belt conveyor.

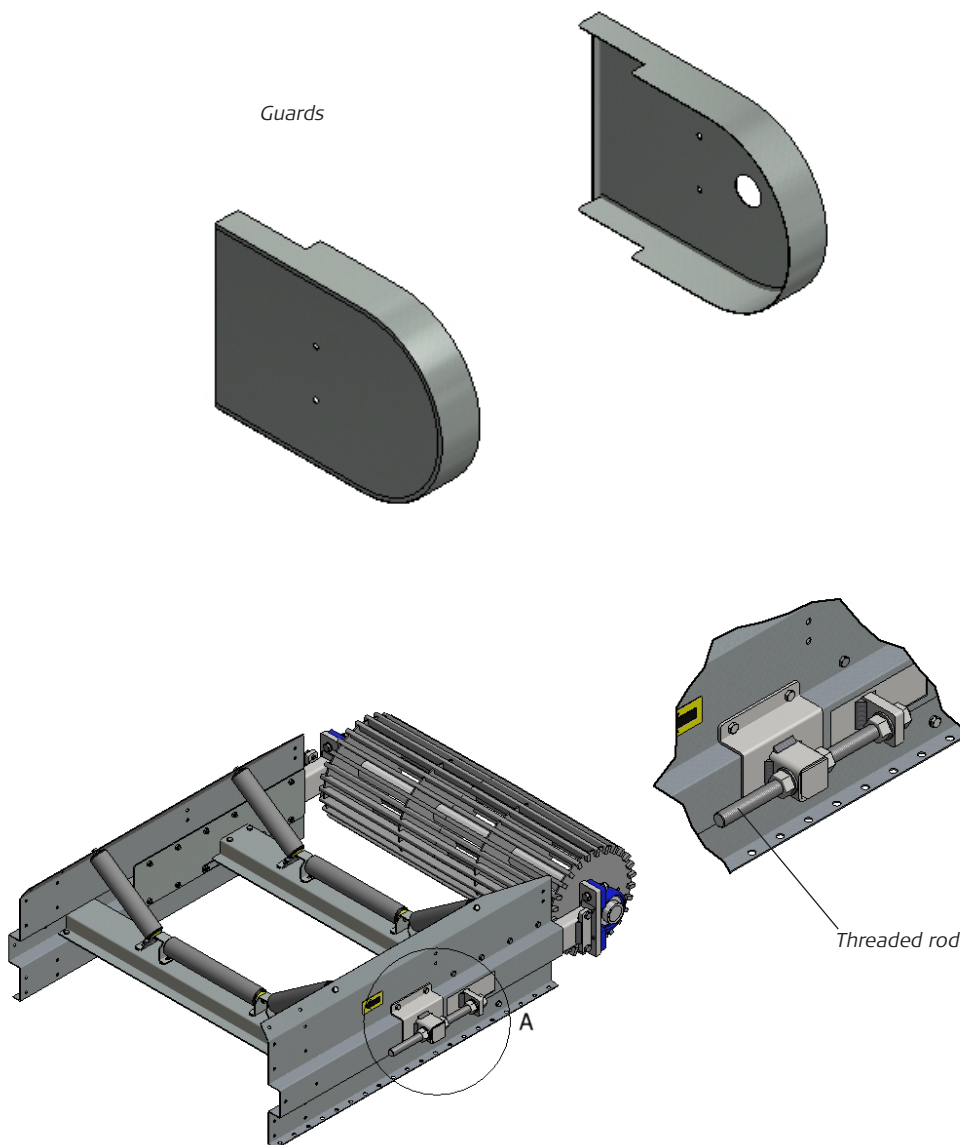


*Model A + B
One-way transport / Two-way transport*

Belts & guards

Before the belt is vulcanised, the threaded rods on the drive and tightening sections must be adjusted so the rolls are in the inner position. In order to obtain the correct belt length, when the conveyor is equipped with discharge unit, the belt must be tightened, so that it does not come into contact with the extension lift rolls the last 7,0 m to the discharge unit. Fit guards.

Tighten the belt and adjust it, so it runs centrally on the rollers. Tighten the belts with the threaded rods on the sides of respectively the drive and the tightening section.



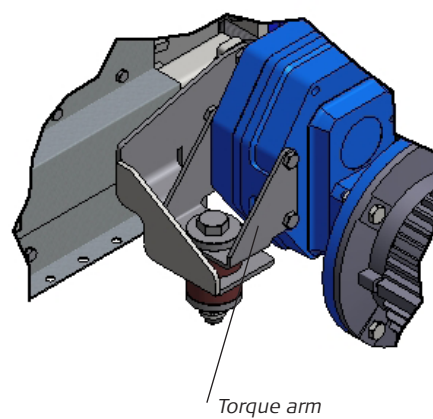
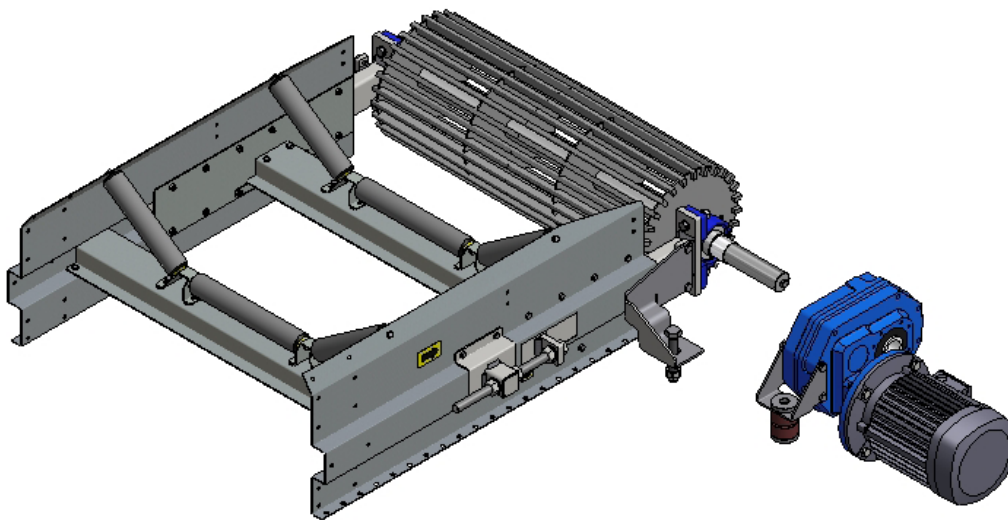
Motor

Fit the gear and motor on the drive shaft and connect it to the torque arm – see below drawing.

Important!

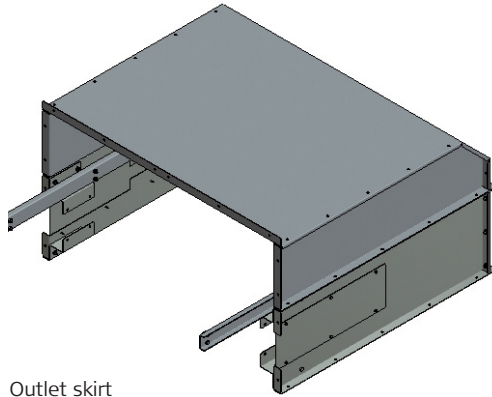
The ventilation screw on the gear must always be fitted in the top position.

For maintenance of motor and gear, please see the attached supplier documentation.

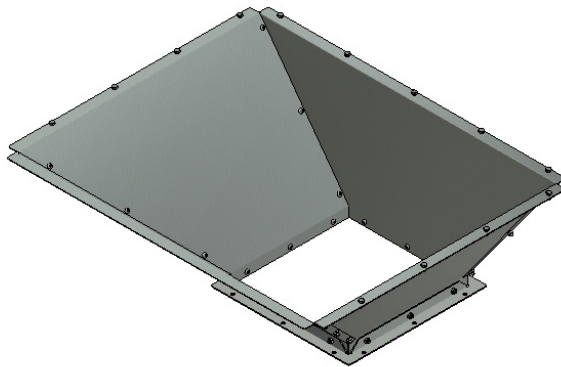


Outlet skirts

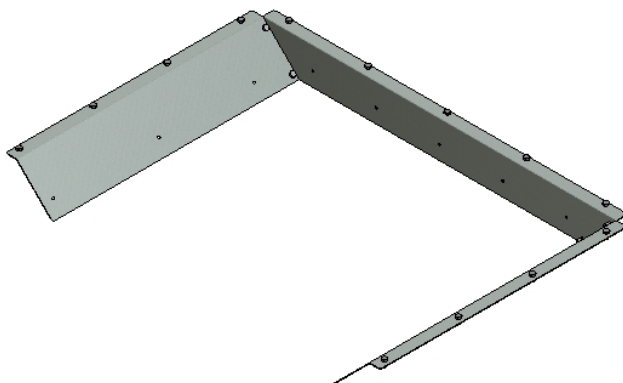
It is possible to fit outlet skirts at the end of the drive or tightening section.



Outlet skirt



Collecting hopper for outlet skirt

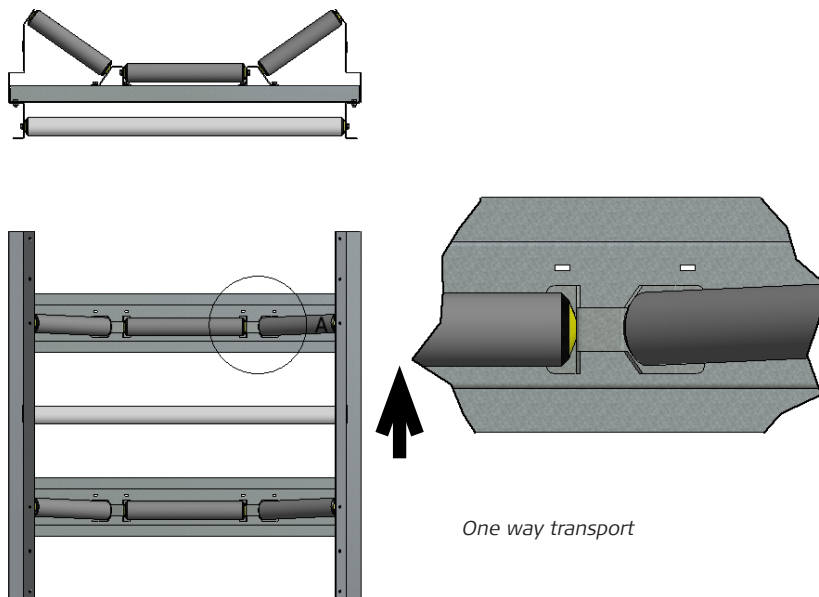


Collecting skirt for outlet skirt

The angle of the rollers

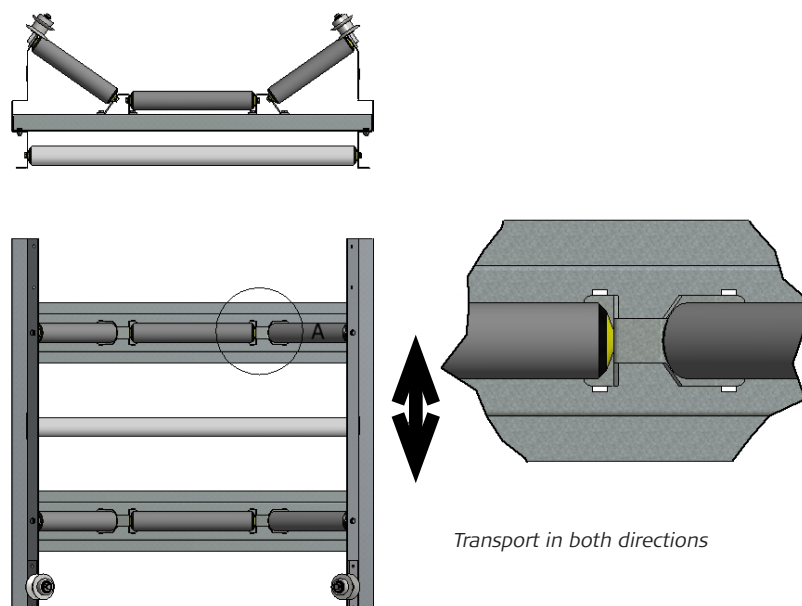
Belt with fixed transport direction (A-band):

For transportation in only one direction, the top rollers must be placed in an angled position, as shown below in the drawing. It has the effect that the belt will center itself on the rollers. Please notice that the extensions with angled rollers are having an arrow for indication of the transport direction.



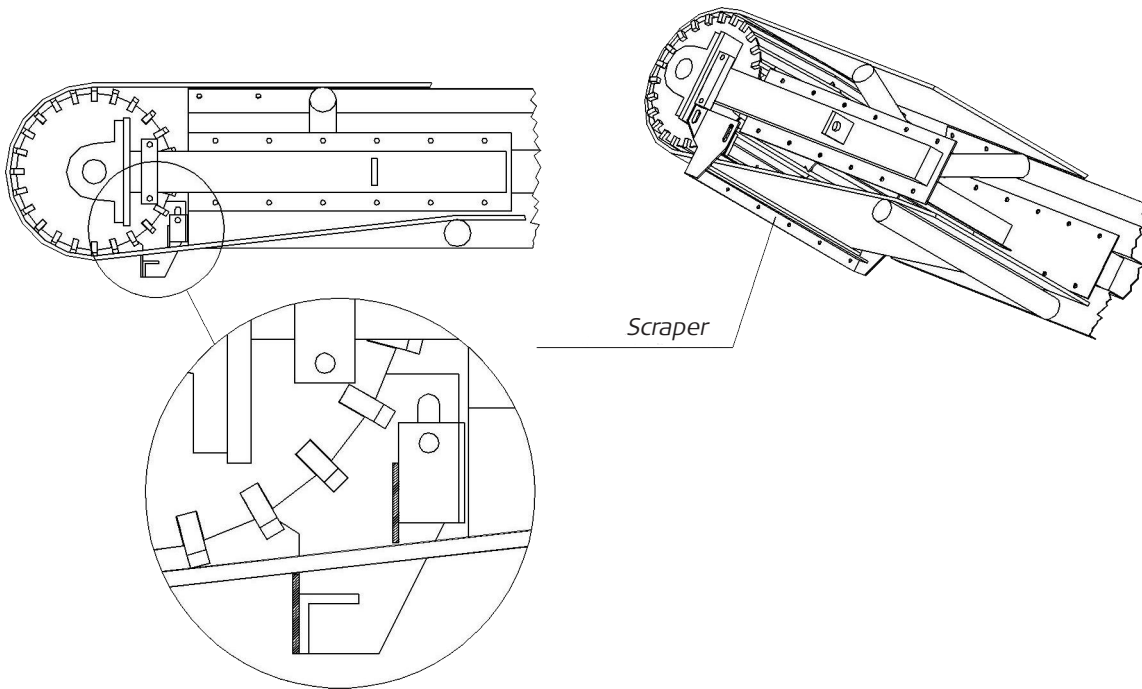
Belt with reversible transport direction (C + B belt):

For transport in both directions, the top rollers must be adjusted so that they are set wise in parallel position to the next set, as shown in the drawing below. This has the effect that the belt does not center on the rollers. In order to keep the belt centered, guide rollers must be fitted. The guide rollers must be placed about 1 – 1,5 meter from the drive station and the tightening station. Between that, guide rollers must be placed in pairs with maximum 8 meter distance.



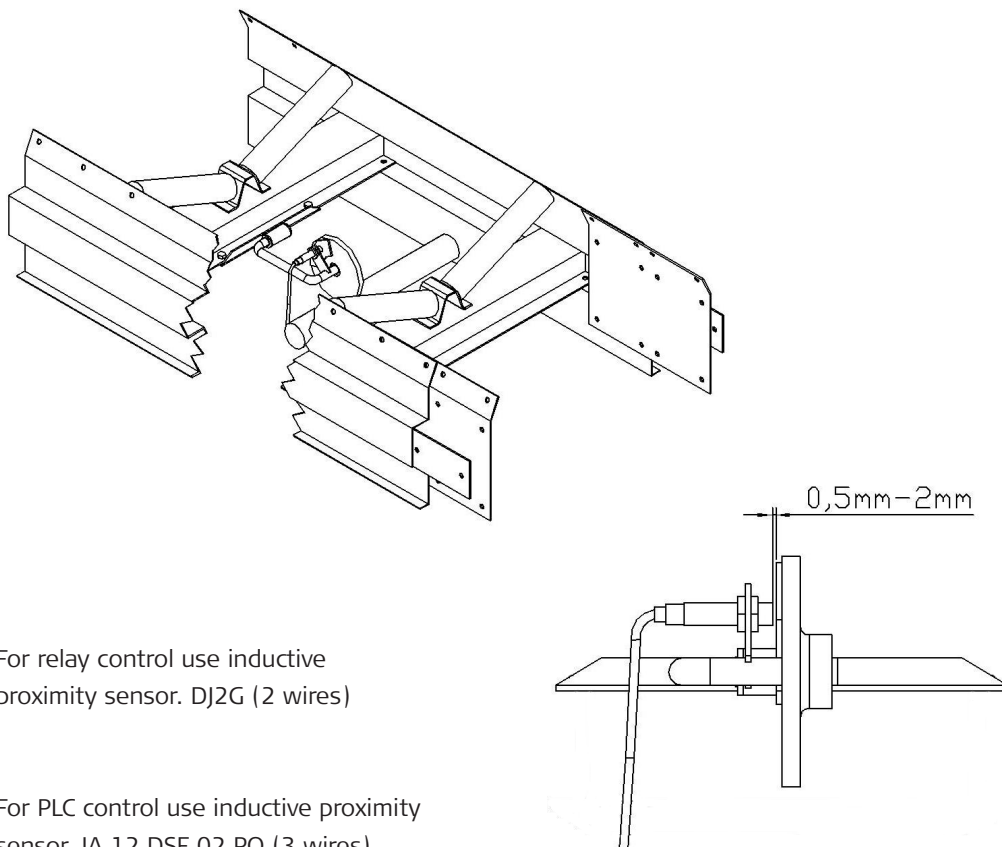
Scrapers

Fit scrapers, if required, so they just touch the belt slightly (see drawing)



Speed monitor

Fit the roller sensor for speed control in any location between the belts on the lift rollers profile cross member.



For relay control use inductive proximity sensor. DJ2G (2 wires)

For PLC control use inductive proximity sensor. JA 12 DSF 02 PO (3 wires)

Normally the speed monitor will be assembled and adjusted from the factory.

For later instalment there must be a distance between the sensor area on the wheel and the sensor of min. 0.5 mm and max. 2 mm.

Fit the roller sensor in any location between the belts on the lift rollers cross member.

Upstart with relay control:

Start the system and carefully adjust the relay control switch down, until the operating current is disconnected and the belt stops.

Then adjust the switch approx. 5% up to create a safety margin.

The lowest level corresponds to approx. 2.6 m/sec. and the highest to approx. 0.13 m/sec.

For systems with PLC control the above setting is pre-programmed in the PLC.

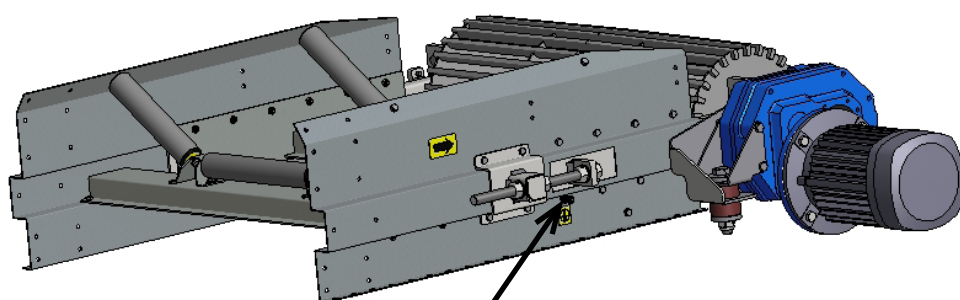
See diagram on page 37.

Potential adjustment

The potential adjustment must be carried out according to current regulations.

A label on the BC400 drive station indicates the point of the belt conveyor potential adjustment.

The label indicates the potential adjustment point for the belt conveyor.

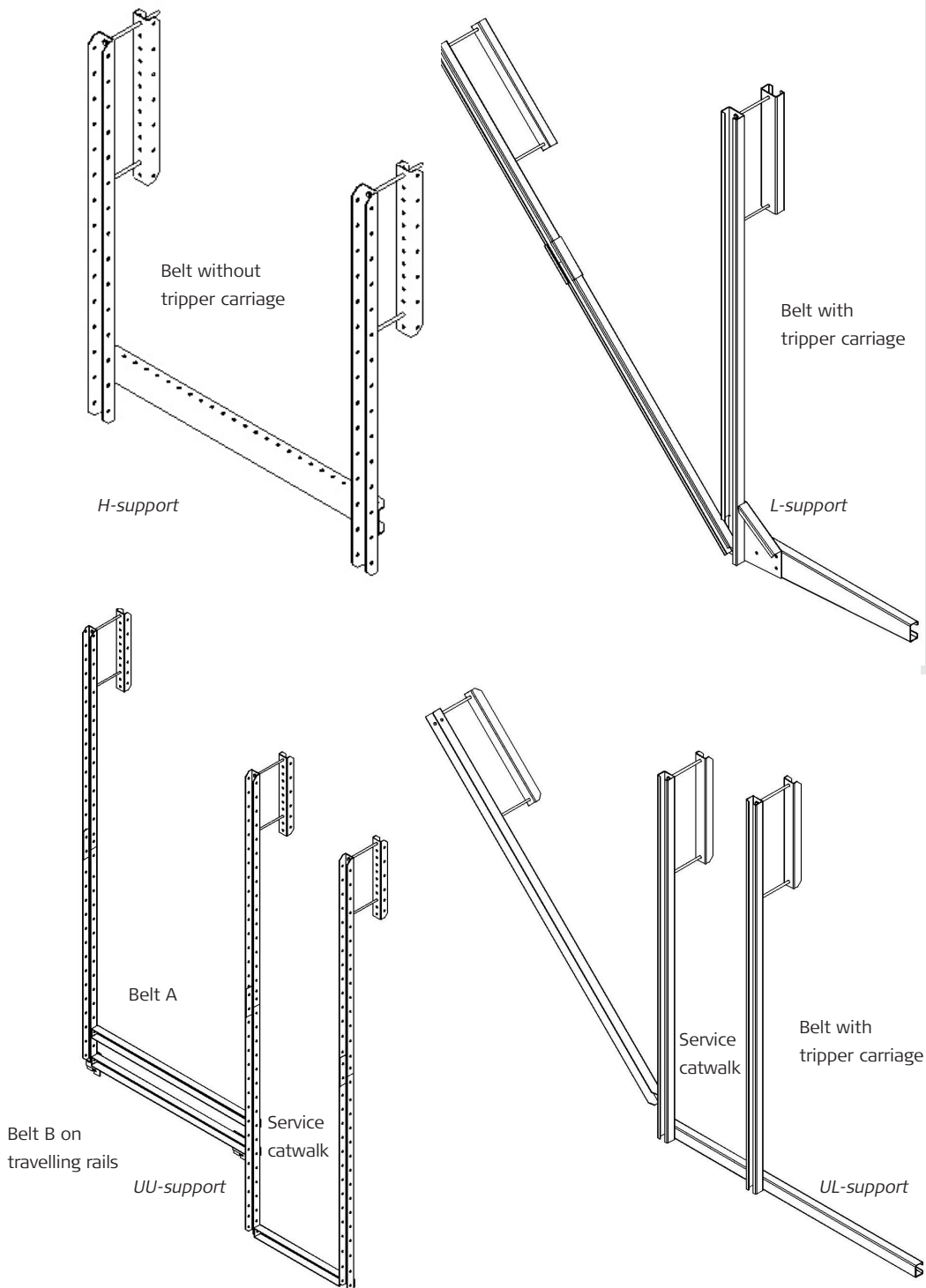


Potential adjustment

Fitting

In order to obtain the maximum stability, it is important to attach the belt conveyor. There must be a distance of max. 6.0 m between the fixation points.

Regarding the attachment of the belt conveyor, there are various possibilities – see drawings below.



Starting up

Before starting to work with the belt conveyor, please check the following:

- Nobody is working on or near the machine.
- The motor rotation direction is correct.
- All conveyor bolts are correctly fitted and tightened.
- The belt is correctly fitted and adjusted.
- The attachment and stability of the belt conveyor is correct.
- Check the belt conveyor attachment/stability.

Belt conveyor stops – fault finding

If the belt loses speed, and the speed monitor disconnects the entire system, check whether the belt is sufficiently tightened and adjust if necessary. The belt tension is correct, if the belt starts up immediately at full speed.

In case of stops, check first whether the conveyor is able to start again, when the relay has gone cold. If yes, the fault is either caused by too low adjustment of the relay or lack of motor capacity.

If the conveyor is still not able to start without being emptied of material, check whether the drain system has been blocked.

Maintenance

Please see the maintenance summary and the attached supplier documentation for cleaning- and maintenance intervals.

Warning!

- During cleaning and maintenance work, the electric supply for the belt conveyor must be disconnected and secured against accidental reconnection.
- After repair and maintenance the inspection doors and shields must be refitted before the work is continued.

Always use original parts only

In case that original parts are not used, the warranty becomes void, and JEMA AGRO A/S can no longer be held liable for the EU Declaration of conformity.

Geared motor

Check the gear as described in the attached supplier documentation.

Important!

Check that the ventilation screw is fitted in the top position on the gear.

Motor

Bearing noise from the motor: please see the attached supplier documentation.

Motor inspection: please see the attached supplier documentation.

Retorque the motor as indicated in the maintenance summary. Please see the assembly guidance for instructions.

Bearings.

Check the bearings for wear/becoming loose, and lubricate as described in the maintenance summary.

Check for wear/becoming loose by lifting up the shaft and control manually.

Lubrication of bearings

Important!

It is extremely important to use the correct amount of grease, as too much will damage the sealing of the bearing, which will result in leaks and subsequent overheating of the bearings.

Check the amount of grease per gun stroke.

Drive station

Lubricate the drive station bearings with 4.0 g grease in accordance with the maintenance instructions.

Tightening section

Lubricate the tightening section bearings with 4.0 g grease in accordance with the maintenance instructions.

Tripper carriage

Lubricate the tripper carriage bearings with 4.0 g grease in accordance with the maintenance instructions.

Conveyor belt

Check for belt cracks as described in the maintenance instructions.

If the belt loses speed, check whether it is tightened correctly, and adjust if necessary.

If the belt starts immediately at full speed, the tension is correct. The problem may then be caused by clogged material, which should be removed.

Speed monitor

Check the speed monitor according to the maintenance summary.

Leaks

All leaks must be repaired immediately.

Noise and vibrations

Stop the belt conveyor immediately and identify the problem.

Disposal

The methods of disposal must comply with the current local regulations

Warning!

The electric supply to the motor must be disconnected during the disassembly.

Disassemble the conveyor on the floor, if space allows, following the reverse order of the assembly procedure.

If the belt conveyor is disassembled at the premises, start by detaching the motor. The belt may be removed by cutting through the vulcanisation, which should then be removed and rolled up. Remove the drive- and tightening section and the tripper carriage. Finally detach all extensions.

The belt conveyor contains various parts that can be reused. All metal parts should be delivered to a recycle industry.

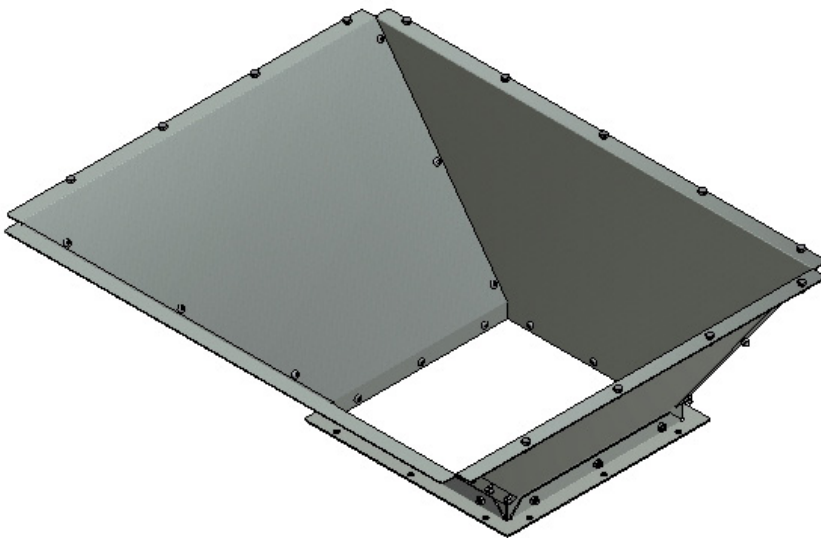
Options/accessories

A range of options/accessories is available for the belt conveyor, for instance:

- Oil resistant belts
- Collector hopper for outlet skirt
- Top cover / cover plates
- Speed monitor
- Drive winch

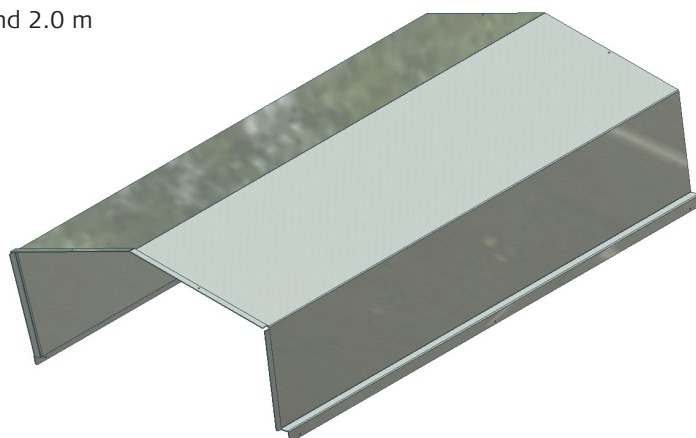
Collector hopper

Collector hopper for outlet skirt
400 x 400



Top cover / cover plates

The top cover is available in following lengths:
0.5 m – 1.0 m and 2.0 m



Speed monitor

The speed monitor can be fitted in any location in the total length of the machine.

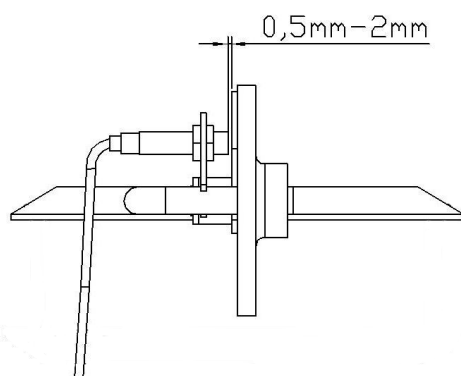
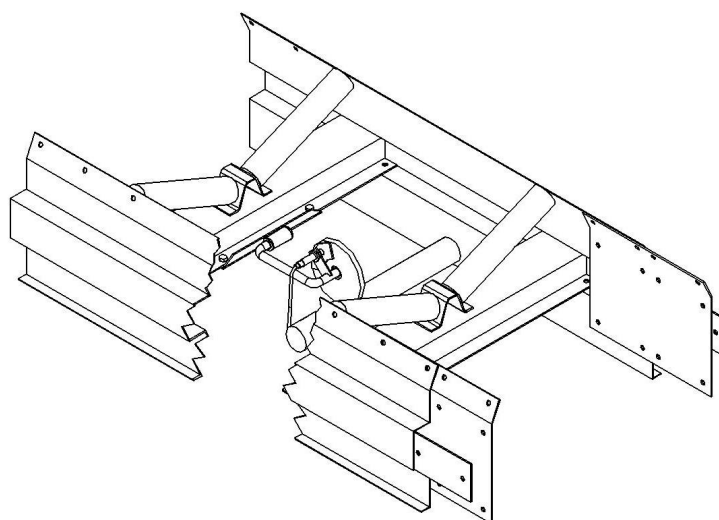
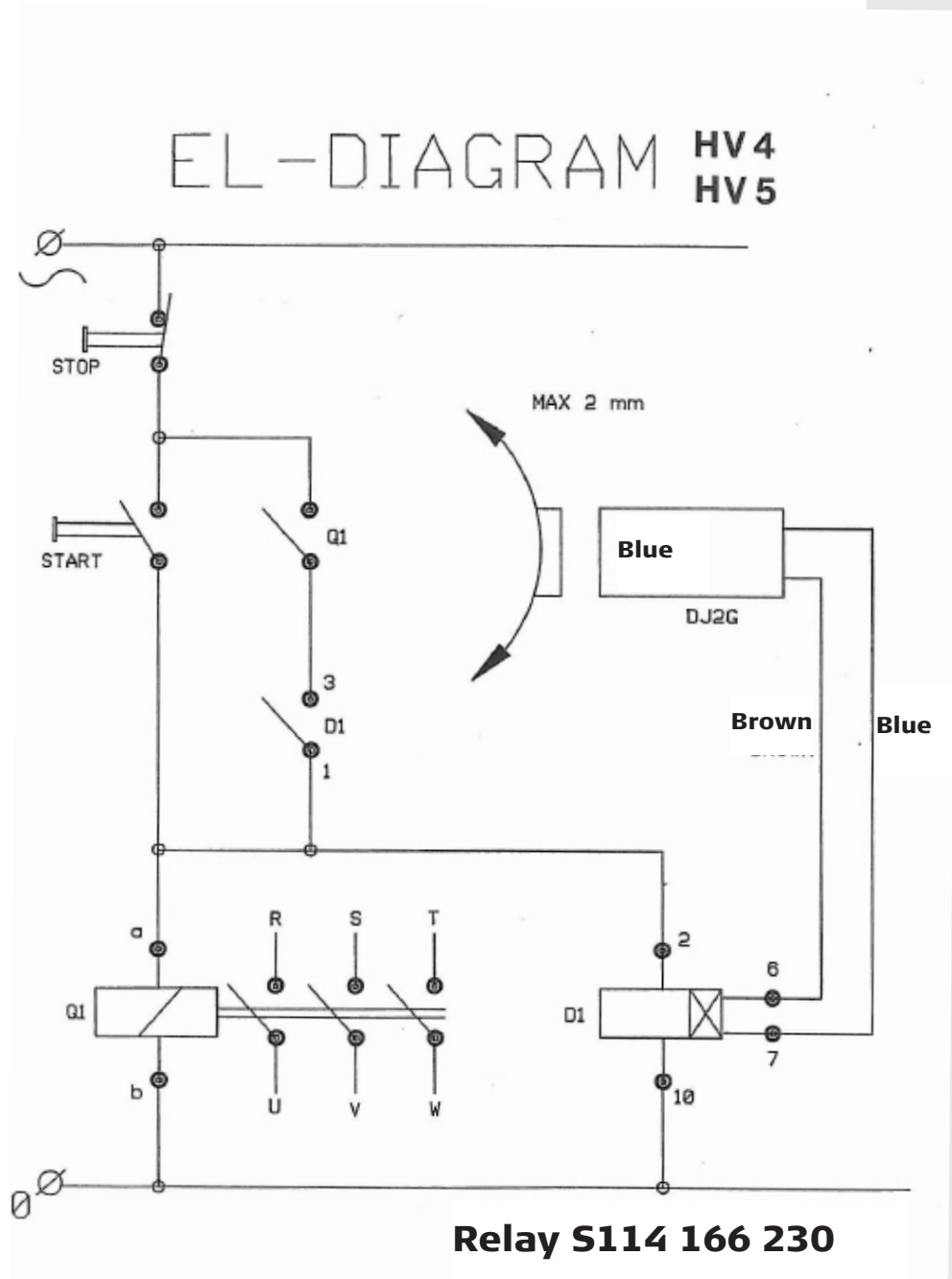


Diagram for relay control speed monitor

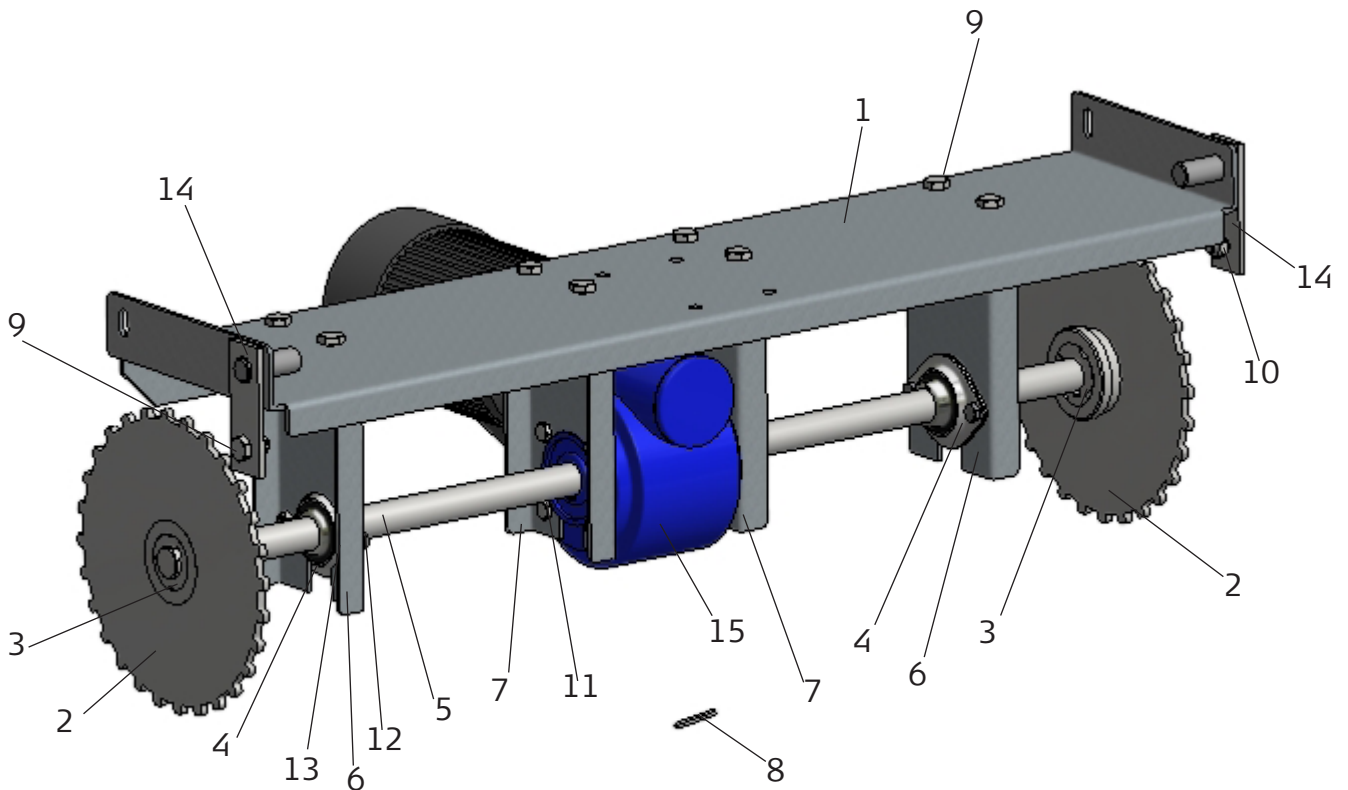
The inductive proximity sensor DJ 2G (2 terminals) is used with the relay control.



Location of the buttons under the brown plastic cover of the relay.

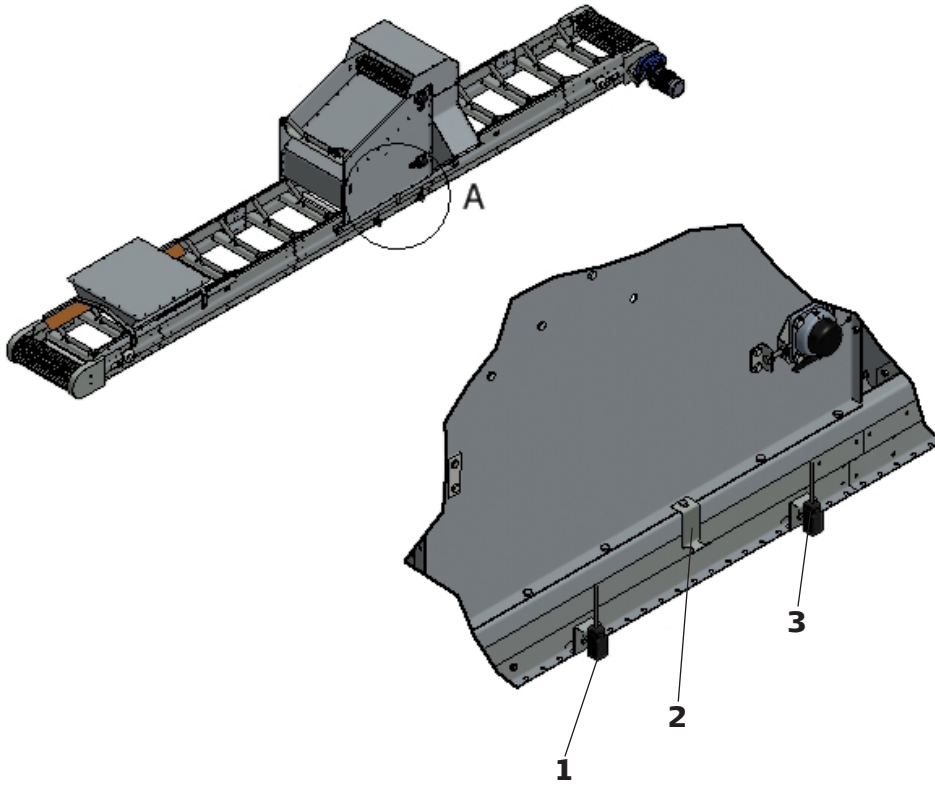


Drive winch



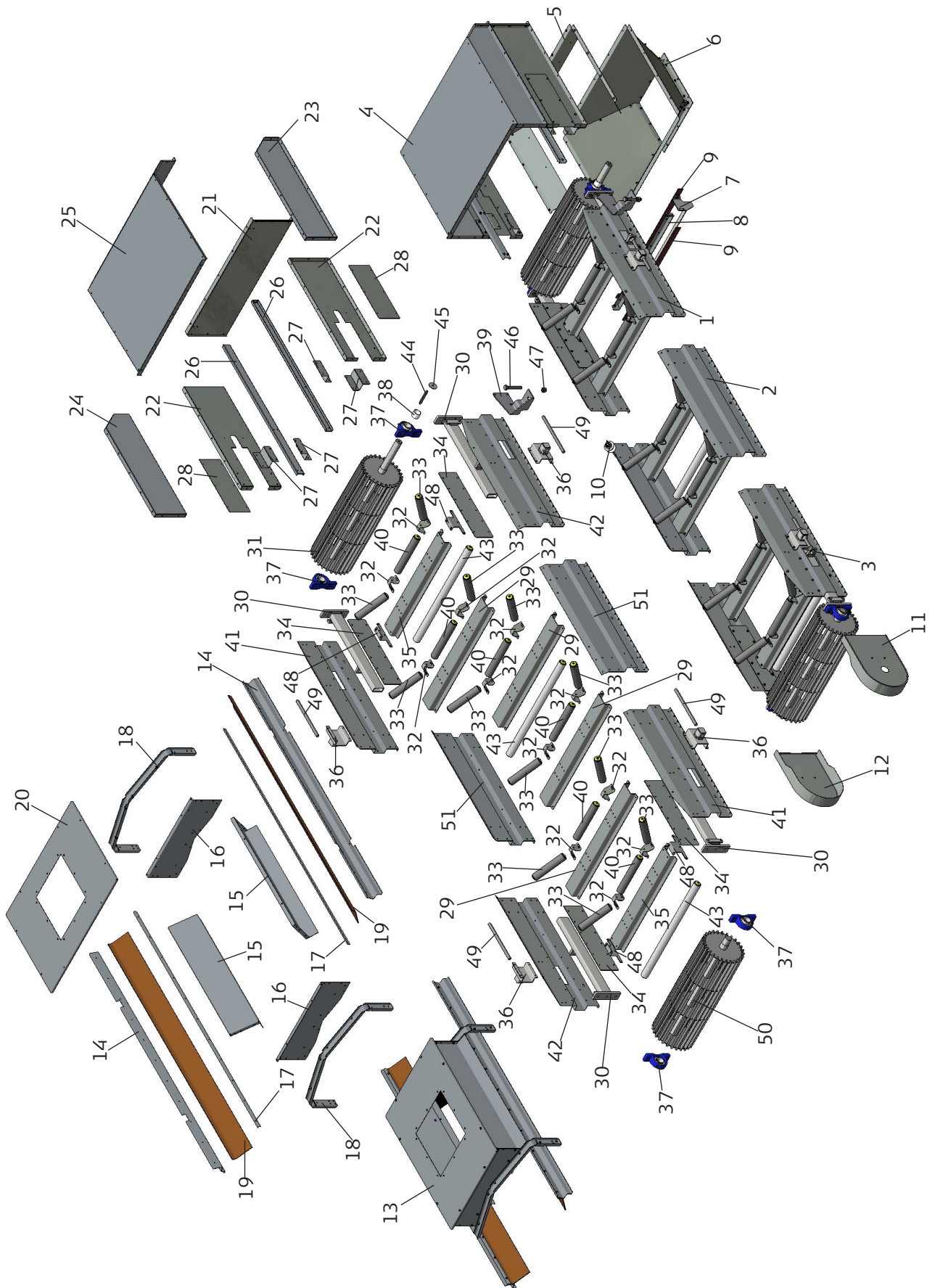
Pos.	Description	BC400 part no.	Weight kg
1	Top bar for drive winch	50732-4	4,37
2	Drive wheels - complete	50732-2	2,11
3	Taperlock bushing 1210 Ø25	86001	0,21
4	Bearing with flange UC 205 Ø 25	85100	0,30
5	Shaft for drive winch	50732-3	3,64
6	Fitting for bearing for drive winch	50732-8	0,63
7	Motor fitting for drive winch	50732-5	0,63
8	Tongue 8x7x80 mm	87066	0,04
9	Screw 8.8 M10x20 FZB	86267	0,02
10	Nut M10 FZB	86608	0,01
11	Screw 8.8 M8x20 FZB	86179	0,01
12	Screw 8.8 M8x16 FZB	86177	0,01
13	Nut M8 FZB	86606	0,01
14	Fitting for drive winch	50732-11	0,24
15	Worm geared motor RMI 63 13rpm 0,55 kW	81251	20,0

End stop for tripper carriage



Pos.	Description	BC400	Quantity
1	Sensor bracket for switch	19158	1
2	Bracket for switch for BC400 with tripper carriage	19157	2
3	Switch with whip	88001	2

Parts BC400



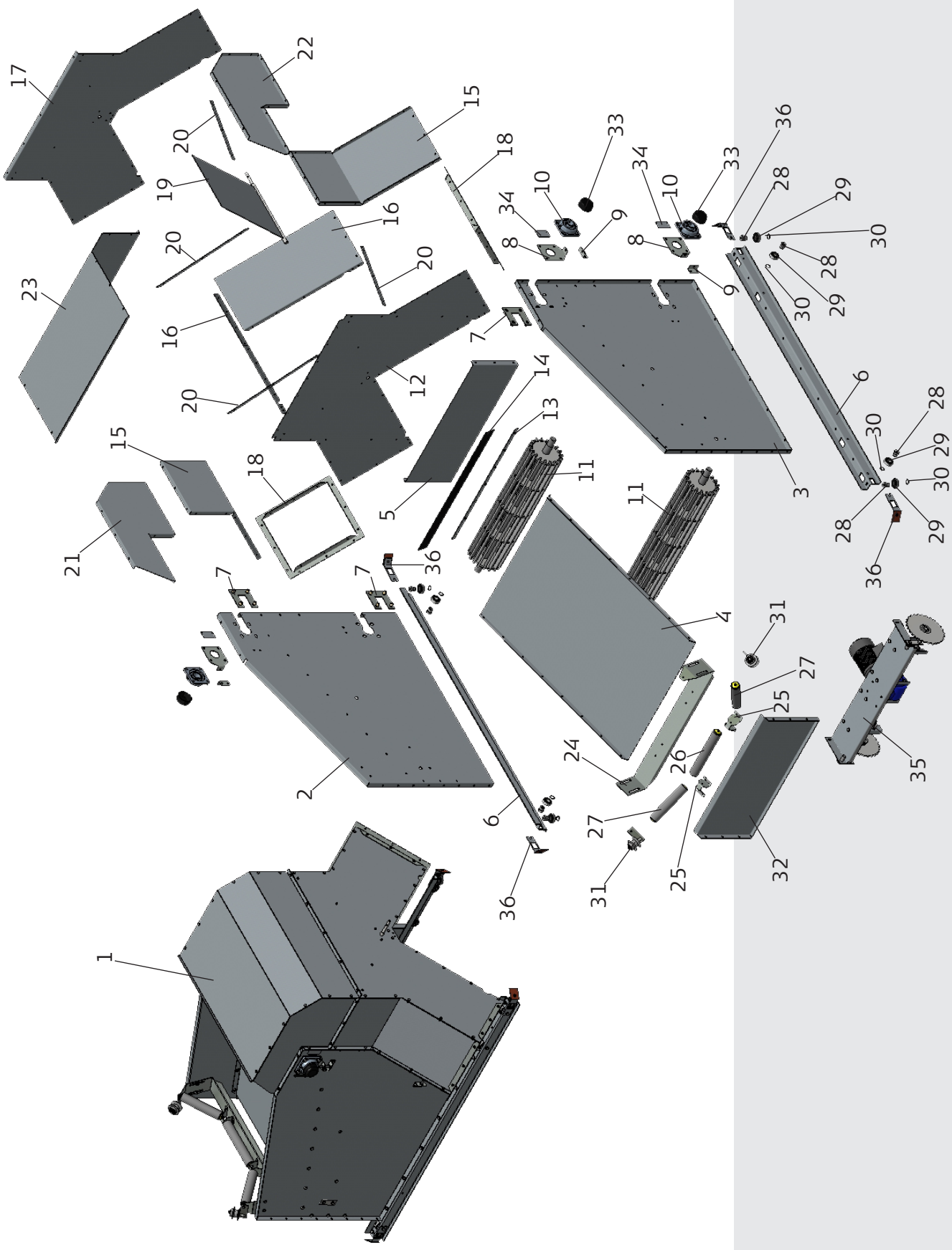
Parts list BC400

Pos.	Description	BC400	Kg.
1	Drive station 1,0 m	50480	126
2	Tightening section 1,0 m	50481	116
3	Extension 0,5 m uden bånd	50482	17
3	Extension 1,0 m uden bånd	50483	34
3	Extension 2,0 m uden bånd	50484	63
4	Outlet skirt with top part	50703	55
5	Collecting hopper for outlet skirt	50737	6,5
6	Collection hopper for outlet skirt 400x400	50704	27
7	Belt scraper, external	50708-2	2,28
8	Belt scraper, internal	50709-2	1,80
9	Vulkolan for scraper	50708-3	0,39
10	Guide rolle with fitting	50194	0,5
11	Protection plate for drive station	50745	2,83
12	Protection plate for drive and tightening section	50746	2,83
13	Inlet hopper for model A + B	50485	35
14	Vange for inlet hopper	50485-1	5,09
15	Side plate for inlet hopper	50485-2	4,46
16	End plate for inlet hopper	50485-3	2,70
17	Rail for inlet hopper	50485-4	0,97
18	Fitting part for inlet hopper	50485-5	2,69
19	Rubber for inlet hopper	50485-6	1,20
20	Cover for inlet hopper	50485-7	19,05
21	End plate for outlet skirt	50703-1	6,42
22	Side plate for outlet skirt	50703-2	4,91
23	Side plate right for top part, outlet skirt	50703-3	4,55
24	Side plate left for top part, outlet skirt	50703-4	4,55
25	Cover for outlet skirt	50703-5	19,88
26	Support for outlet skirt	50703-7	2,47
27	Bracket for outlet skirt	50122	0,37
28	Cover for side plate	50115-1	1,33
29	Cross section for extension/drive station/tightening section	50701	5,37
30	Bearing rail for drive station/tightening section	50273	8,14
31	Pull drum	50700	59,80
32	Fitting for rollers	50480-3	0,20
33	Roller PVC short	87375	0,50
34	Cover plate for bearing rail	50277	2,08
35	Crossbar for drive station/tightening section	50480-1	4,89
36	Bracket for tightening spindle	50272	1,28
37	Bearing UCP 209, dia.45	85128	0,5
38	Spacer bush dia.50/46x38,5 for drive shaft	50480-4	0,03
39	Motor bracket Right	50702	1,98
40	Roller PVC Long	87377	0,78
41	Side plate Left for drive station/tightening section	50481-1	7,04
42	Side plate Right for drive station/tightening section	50481-2	7,04
43	Steel roller	87379	2,40

Pos.	Description	BC400	Kg.
44	Key 14x9x120 mm	49573	0,12
45	Washer dia.58,6/Ø11/3mm	87078	0,02
46	Set screw 20x120 FZB	86453	0,37
47	Lock nut M20 FZB	86641	0,07
48	Plate for crossbar drive station/tightening section	50279-1	0,27
49	Tightening spindle for drive station/tightening section	49538	0,79
50	Tightening roller	50710	115,50
51	Side plate for 1,0 m extension	50483-1	7,27
51	Side plate for 0,5 m extension	50482-1	3,62
51	Side plate for 2,0 m extension	50484-1	14,57

When ordering parts, please state spare part number.

Parts BC400 – Tripper carriage



Parts list BC400 - Tripper carriage

Pos.	Description	BC400	Kg
1	Tripper carriage with drive winch and manual divider	50722	447
	Tripper carriage with drive winch and 230/400 V divider	50723	455
	Tripper carriage without drive winch	50728	358
2	Side plate for tripper carriage, left	50720-2	34,30
3	Side plate for tripper carriage, right	50720-1	34,30
4	Distance plate large for tripper carriage	50720-3	26,93
5	Distance plate small for tripper carriage	50720-4	6,70
6	Driving rail for tripper carriage	50720-6	8,81
7	Clamping iron for tripper carriage	50304	0,46
8	Fittings large for adjusting drum	50351-1	0,35
9	Fittings small for adjusting drum	50351-2	0,08
10	Bearing UCF 207, dia. 35	85135	1,40
11	Drum for tripper carriage	50721	41,82
12	Back plate for duplex branching	50720-7	21,34
13	Fitting for rubber scraper compl.	50720-11	0,61
14	Rubber scraper for tripper carriage	50720-19	0,25
15	Cover top for duplex branching	50720-9	8,18
16	Cover bottom for duplex branching	50720-10	7,57
17	Front plate for duplex branching	50720-8	21,10
18	Flange 400x400 for outlethopper	50704-5	2,23
19	Valve compl. for duplex branching	50720-14	8,35
20	Sealing rail for duplex branching	50720-15	0,27
21	Top side plate left for duplex branching	50720-17	5,80
22	Top side plate right for duplex branching	50720-16	5,80
23	Top plate for duplex branching	50720-18	22,13
24	Fitting for rollers	50720-5	4,06
25	Fitting for rollers	50480-3	0,20
26	Roller PVC	87377	0,78
27	Roller PVC	87375	0,50
28	Bearing shaft	83257	0,12
29	Bearing 6205-2 RS	85104	0,02
30	Locking ring M25	87025	0,01
31	Guide roller for tripper carriage	50356	0,40
32	End plate for tripper carriage	50720-20	8,39
33	Cover for UCF 207 bearing, dia. 35	85137	0,14
34	Cover for tripper carriage	50216	0,06
35	Drive winch for tripper carriage	50732	46,00
36	Scraper for tripper carriage	50726-1	0,16

When ordering parts, please state spare part number.

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