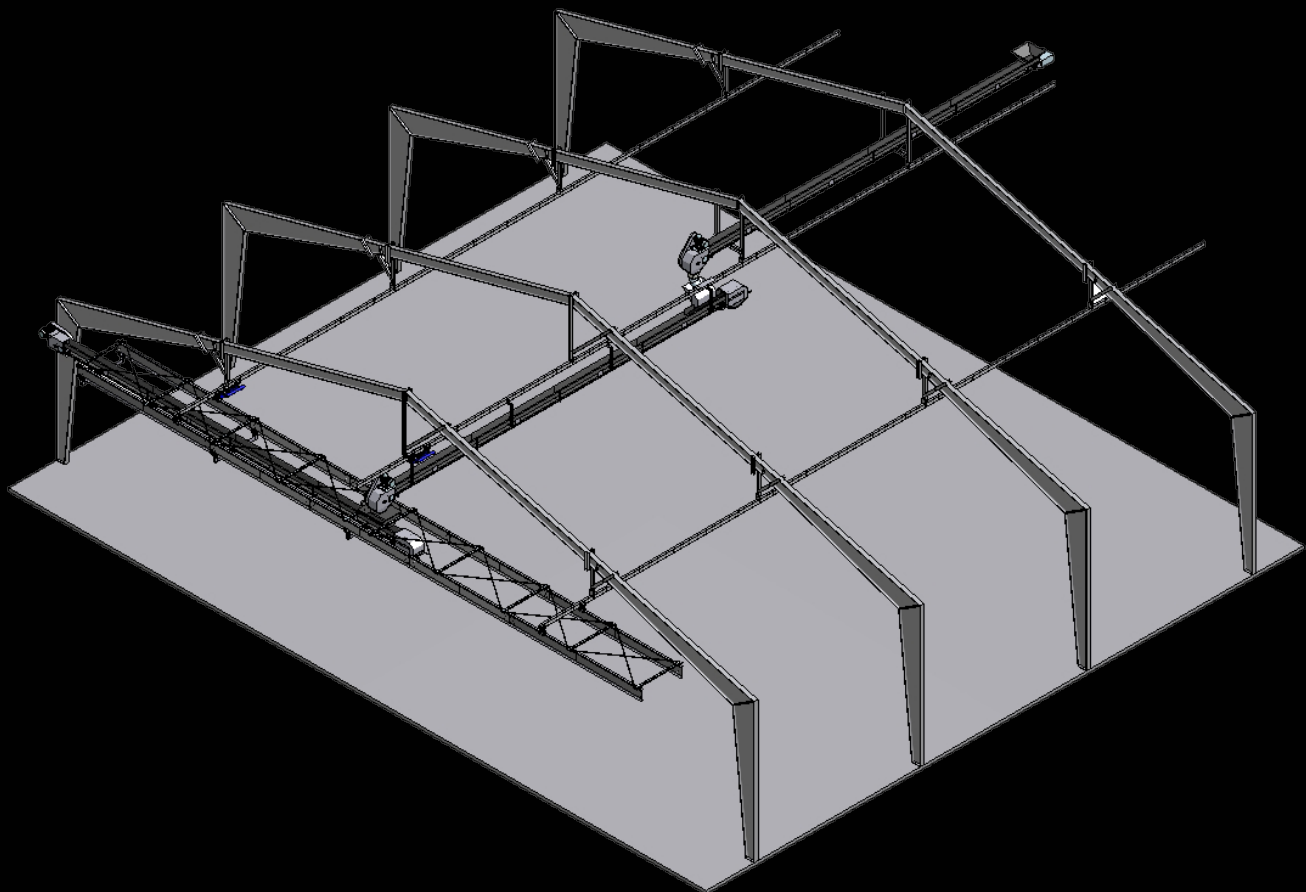


Manual Gantry

Version 70511.1



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Forward

JEMA AGRO A/S is a modern factory that manufactures and supplies equipment for transport of grain, seeds and fertilisers.

JEMA AGRO A/S' current product portfolio is the result of more than 60 years of experience in the development of agricultural machinery, in close cooperation with our customers, which, through quality and flexibility, helps keep us on the cutting edge.

JEMA AGRO A/S' conveyors and transport systems are suitable for assembly with ALL brands of drying and silo systems.

Important!

It is important to read this manual before assembly and commissioning.

EC declaration of conformity

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

Hereby declares that:

Machine: Gantry
Type: T19/T50/T51/T52
Year of production: 2006

- is in accordance with the Machinery Directive 2006/42/EC, with special direction to appendix 1 concerning essential health and safety requirements in connection with the design and manufacture of machinery:

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 conformity with EMC Directive 04/108/EC of 15. December 2004 concerning electromagnetic compatibility.

Director Jens-Peter Pedersen

Title Name

04.12.2008

Dato Underskrift

A handwritten signature in black ink, appearing to be "Jens-Peter Pedersen", written over a horizontal line.

Conditions of Use

JEMA AGRO A/S' gantry, designed for supporting the conveyor belt for transporting grain and seeds, in a rail system hung overhead in the warehouse roof or ceiling construction.

The gantry must be used only for what is agreed in the contract product/s.

Electrical connection should only be performed by a certified electrician.

The gantry must be earthed according to existing national rules.

During installation, maintenance or reparation, the el-supply to the gantry, shall be interrupted locked out.

The operating manual must be located in/available close to the gantry.

General information

Delivery

The gantry are packed separately. For shipping, standard packaging is used (pallets/wooden boxes and lattice boxes, etc.). There are no special considerations necessary with regard to the actual transport other than normal care.

Delivery includes the parts described in the order confirmation.

Before assembly and commissioning this manual must be read carefully

Preservation plan

No measures have been taken for long term storage.

After receipt, the parts should be kept in a suitable, dry room until assembly.

Identification Plate

Marking label is adhered to the drive station.

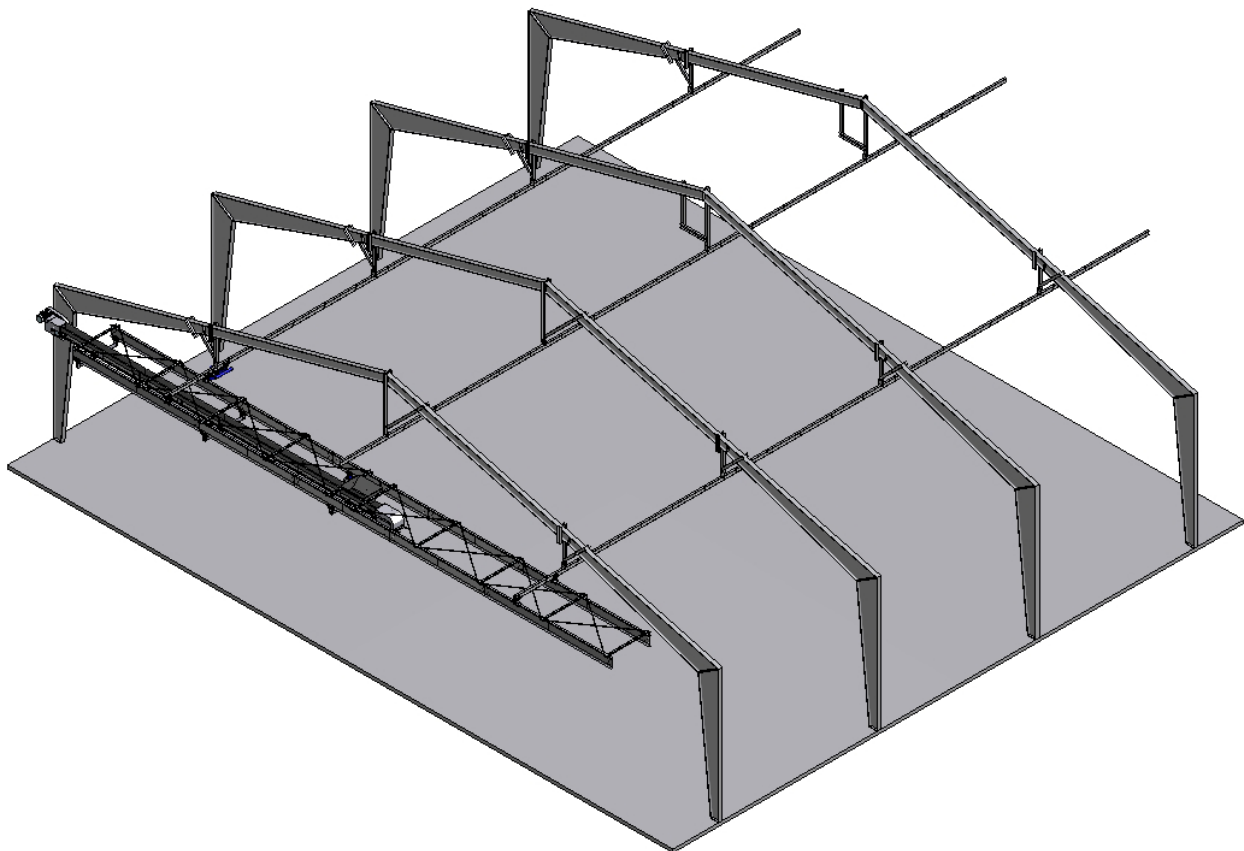


General construction

The gantry T19V-T50-T51-T52 is part of a transport facility for automatic filling of floor storage or silo space. Along the length of the warehouse, 2 or 3 (depending on the warehouse's width) rails INP 100 are mounted, suspended by the warehouse beam construction. The gantry is hung in these rails in double runners. A C conveyor T19V-T50-T51 or T52 is hung in double runners in the gantry.

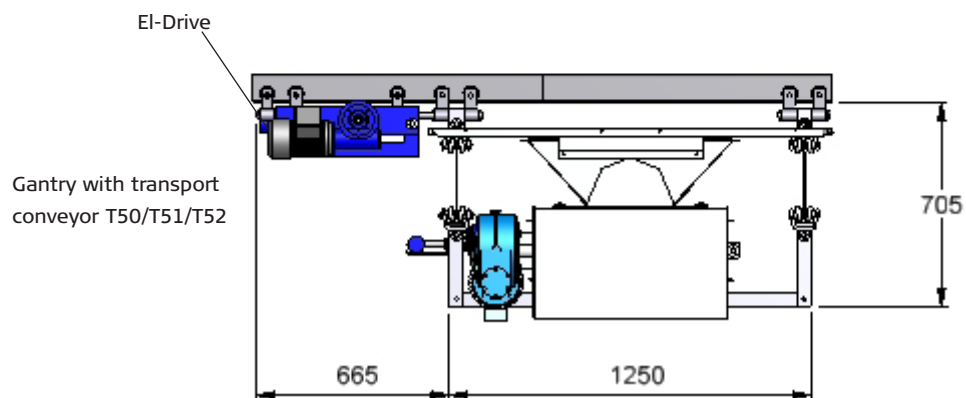
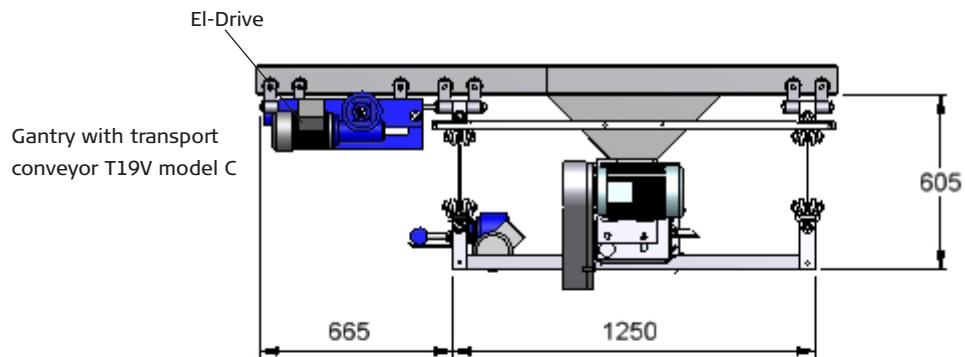
For length of the model C conveyor and the gantry see pages 12-13-14-15.

The gantry can move lengthwise of the warehouse and the model C conveyor belt, can move crosswise in the warehouse. An electrical drive, equipped with various end stops, can be installed for movement of the gantry and the conveyor belt.



Technical specifications

Motor Size:	El drive for gantry	0,37 kW
	El-drive for transport conveyor model C	0,18 kW



Receipt

At the time of receipt, check that all parts and components are included and check for shipping damage.

NOTE! Check that supplier documentation is attached to the gear and the motor. If documentation is missing, contact JEMA AGRO A/S. Please submit order no.

Remember the necessary safety equipment before start of assembly.

It is important to read the manual thoroughly before beginning assembly.

Warning plates

There are warning labels fastened to the gantry indicating danger.

Warning!

Inspection doors and shields must not be opened or removed while the machine is in operation.



Supporting structure

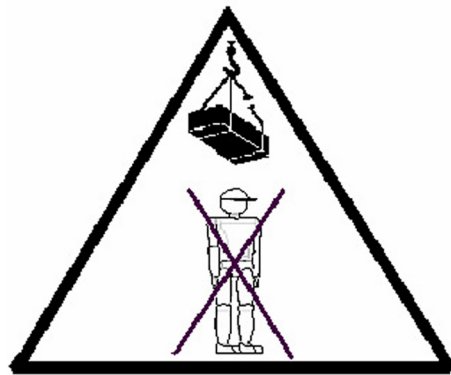
Suspended on building construction - see section "Load bearing"

Lifting gear

Make sure to have the necessary SWL-marked lifting gear/crane which is required for the given situation.

Lifting gear must be approved for the actual load. The weight of the individual parts can be found under "Parts list in this manual.

The weight of the machine's separate pieces is indicated in the section Weight Chart - gantry.

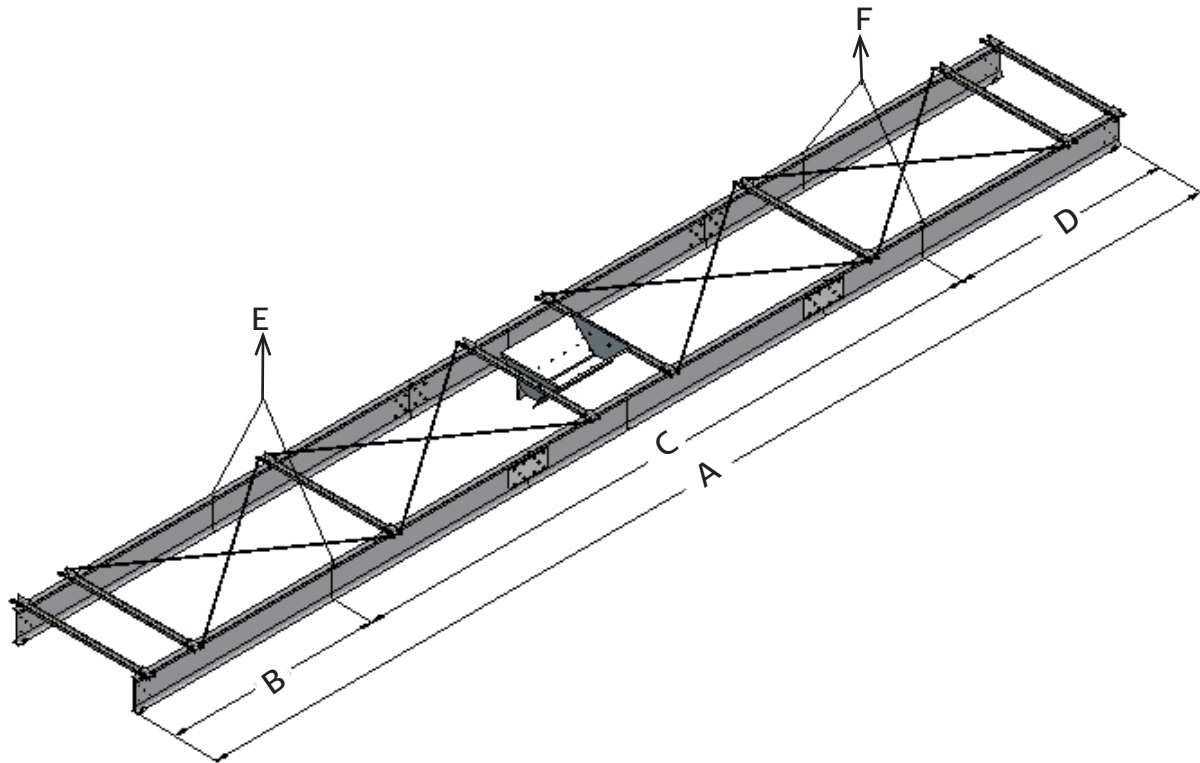


NOTE! - Standing under a suspended load is prohibited.

Lift requirements

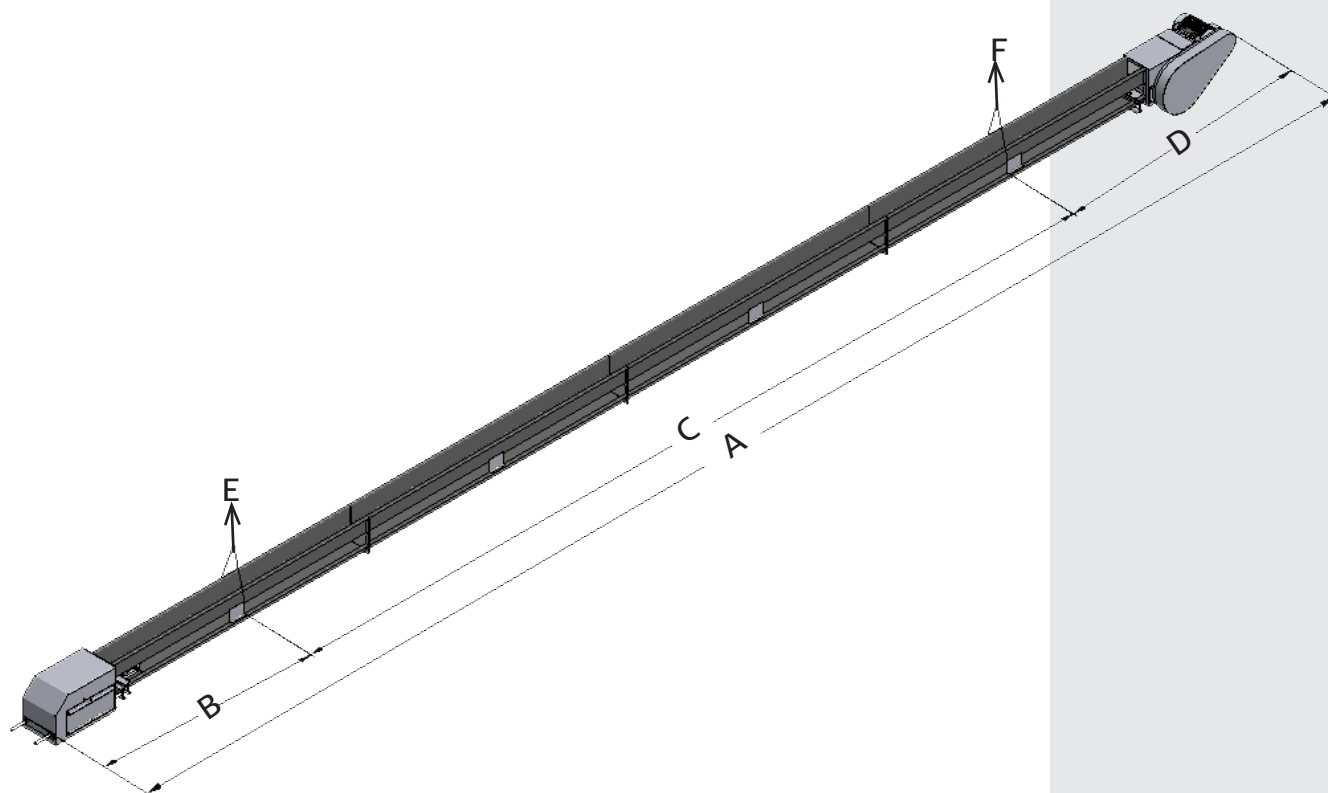
Gantry and transport conveyors T19V, T51, T52, see pages 12-13-14-15.

Weight and lifting points for gantry T19V-T50 -T51-T52



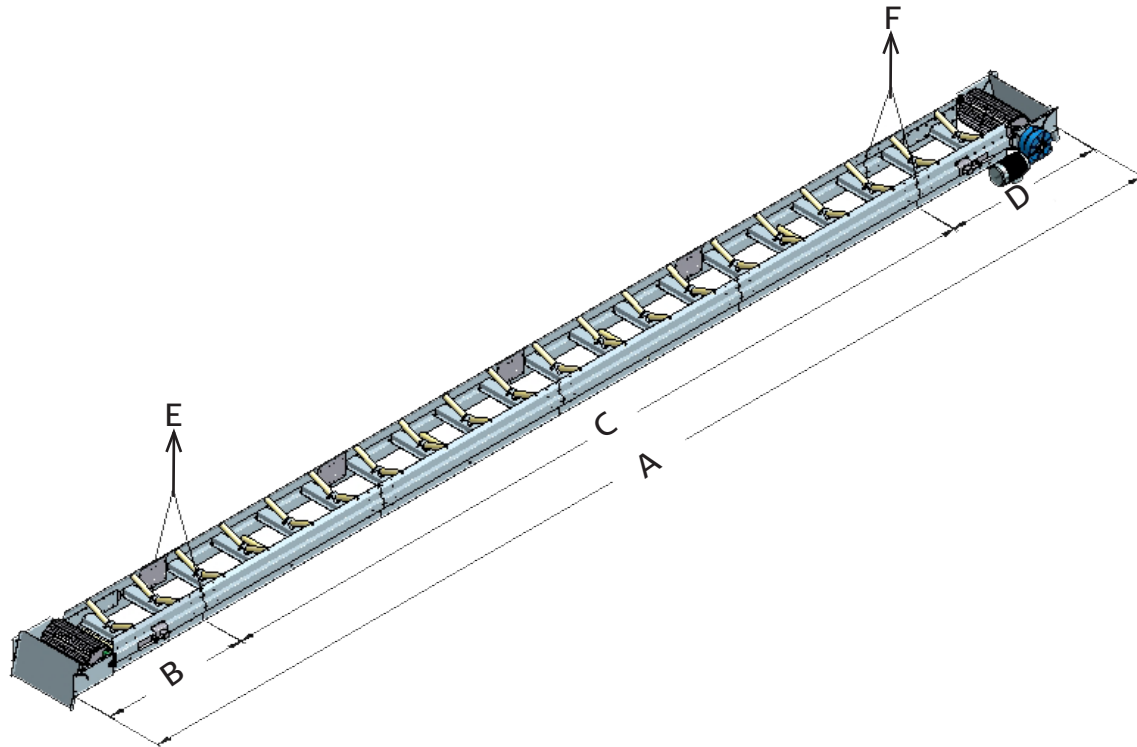
A mm	B mm	C mm	D mm	E mm	F mm	Total kg
8.000	1.500	5.000	1.500	282	282	590
9.000	2.000	5.000	2.000	306	306	638
10.000	2.000	6.000	2.000	330	330	686
11.000	2.500	6.000	2.500	354	354	734
12.000	2.500	7.000	2.500	378	378	782
13.000	3.000	7.000	3.000	402	402	830
14.000	3.000	8.000	3.000	426	426	878
15.000	3.500	8.000	3.500	450	450	956
16.000	3.500	9.000	3.500	474	474	974
17.000	4.000	9.000	4.000	498	498	1022
18.000	4.000	10.000	4.000	542	542	1122
19.000	4.500	10.000	4.500	566	566	1170
20.000	4.500	11.000	4.500	590	590	1218
21.000	5.000	11.000	5.000	614	614	1266
22.000	5.000	12.000	5.000	638	638	1314
23.000	5.500	12.000	5.500	662	662	1362
24.000	5.500	13.000	5.500	686	686	1410
25.000	6.000	13.000	6.000	710	710	1458

Weight and lifting points for conveyor belt T19V model C



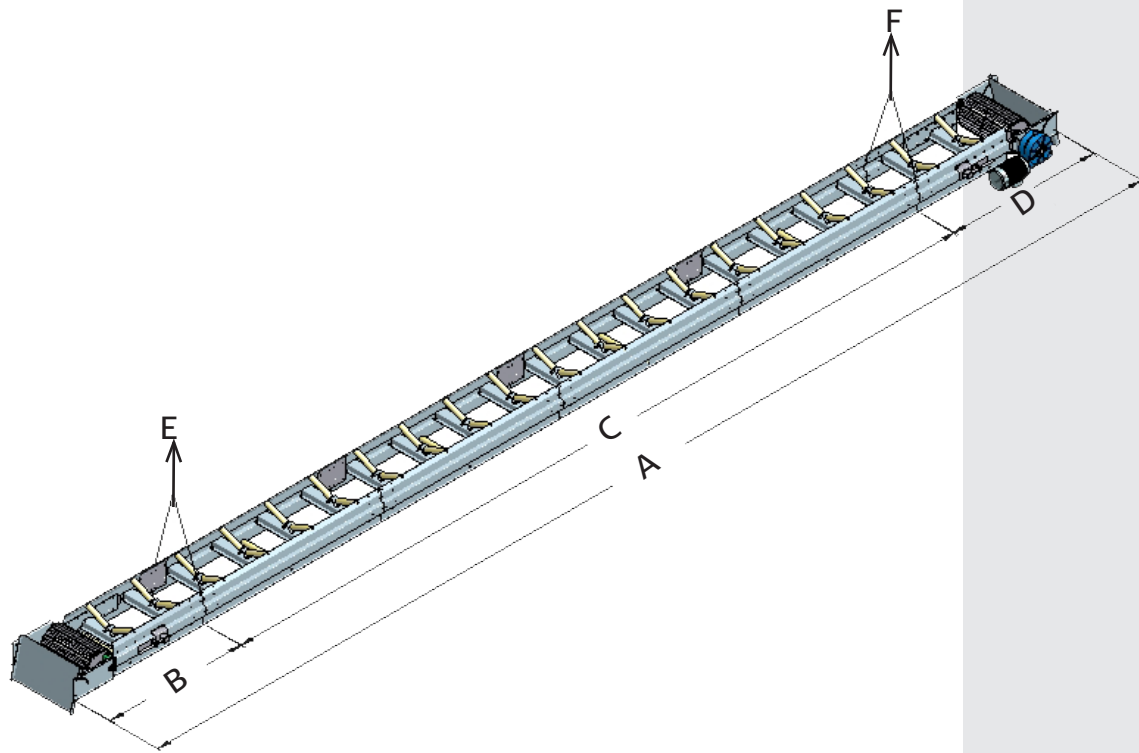
A mm	B mm	C mm	D mm	E mm	F mm	Total kg
5.500	1.250	3.000	1.250	131	153	284
6.000	1.250	3.500	1.250	135	157	292
6.500	1.500	3.500	1.500	138	160	298
7.000	1.500	4.000	1.500	142	164	306
7.500	1.750	4.000	1.750	145	167	312
8.000	1.750	4.500	1.750	149	171	320
8.500	2.000	4.500	2.000	161	183	344
9.000	2.000	5.000	2.000	165	187	352
9.500	2.250	5.000	2.250	168	190	358
10.000	2.250	5.500	2.250	172	200	372
10.500	2.500	5.500	2.500	175	203	378
11.000	2.500	6.000	2.500	179	207	386
11.500	2.750	6.000	2.750	172	210	392
12.000	2.750	6.500	2.750	186	214	400
12.500	3.000	6.500	3.000	189	217	406
13.000	3.000	7.000	3.000	193	221	414
13.500	3.250	7.000	3.250	205	233	438
14.000	3.250	7.500	3.250	209	237	446
14.500	3.500	7.500	3.500	212	240	452

Weight and lifting points for conveyor belt T50/T51 model C



A mm	B mm	C mm	D mm	E mm	F mm	Total kg
5.500	1.250	3.000	1.250	189	235	424
6.000	1.250	3.500	1.250	198	244	442
6.500	1.500	3.500	1.500	206	252	458
7.000	1.500	4.000	1.500	215	261	475
7.500	1.750	4.000	1.750	223	269	492
8.000	1.750	4.500	1.750	232	278	510
8.500	2.000	4.500	2.000	249	295	544
9.000	2.000	5.000	2.000	258	304	562
9.500	2.250	5.000	2.250	266	312	578
10.000	2.250	5.500	2.250	275	321	595
10.500	2.500	5.500	2.500	283	329	612
11.000	2.500	6.000	2.500	292	338	630
11.500	2.750	6.000	2.750	300	346	646
12.000	2.750	6.500	2.750	309	355	664
12.500	3.000	6.500	3.000	317	363	680
13.000	3.000	7.000	3.000	326	372	698
13.500	3.250	7.000	3.250	343	389	732
14.000	3.250	7.500	3.250	352	398	750
14.500	3.500	7.500	3.500	360	406	766

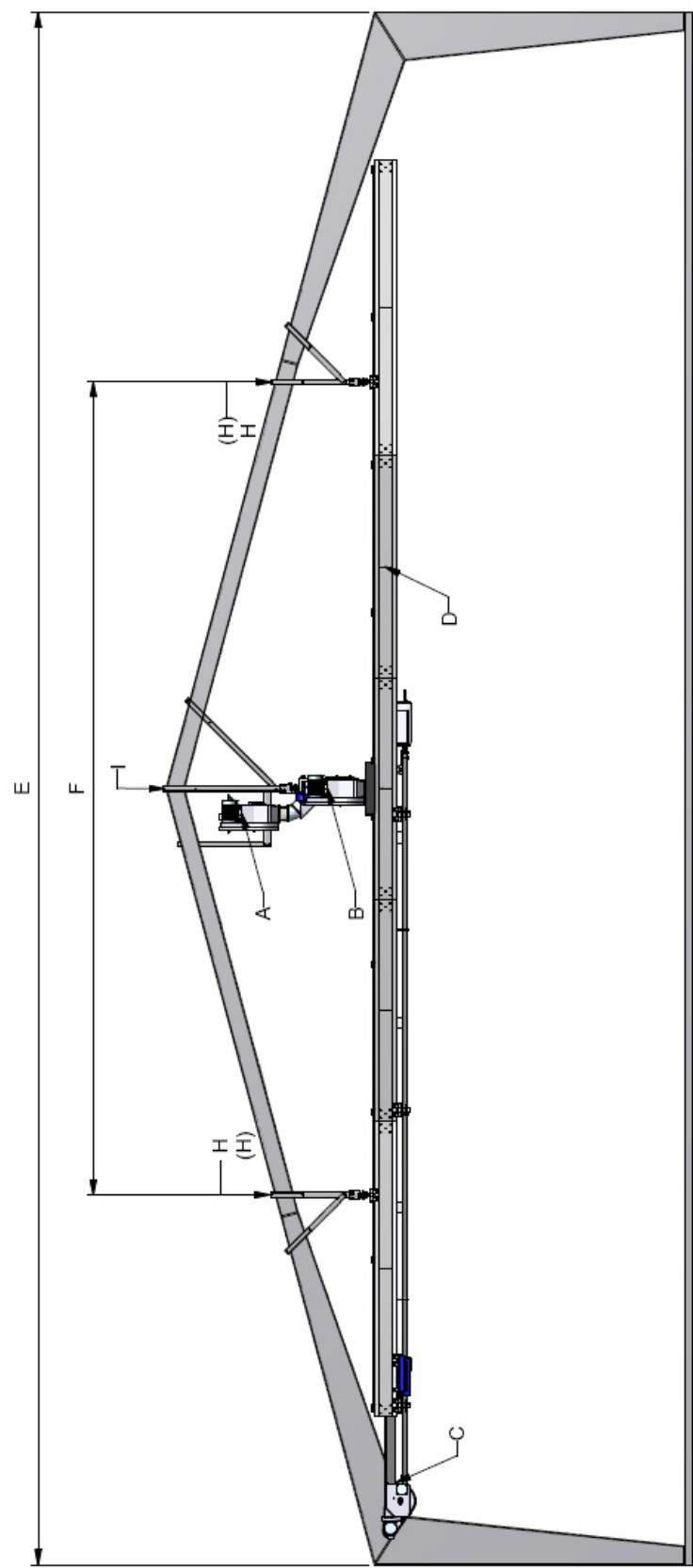
Weight and lifting points for conveyor belt T52 model C



A mm	B mm	C mm	D mm	E mm	F mm	Total kg
5.500	1.250	3.000	1.250	261	307	568
6.000	1.250	3.500	1.250	272	318	590
6.500	1.500	3.500	1.500	283	329	612
7.000	1.500	4.000	1.500	294	340	634
7.500	1.750	4.000	1.750	305	351	656
8.000	1.750	4.500	1.750	316	362	678
8.500	2.000	4.500	2.000	336	382	718
9.000	2.000	5.000	2.000	247	393	740
9.500	2.250	5.000	2.250	358	404	762
10.000	2.250	5.500	2.250	373	425	798
10.500	2.500	5.500	2.500	382	434	816
11.000	2.500	6.000	2.500	391	443	834
11.500	2.750	6.000	2.750	402	454	856
12.000	2.750	6.500	2.750	413	465	878
12.500	3.000	6.500	3.000	424	476	900
13.000	3.000	7.000	3.000	435	487	922
13.500	3.250	7.000	3.250	455	507	962
14.000	3.250	7.500	3.250	466	518	984
14.500	3.500	7.500	3.500	477	529	1006

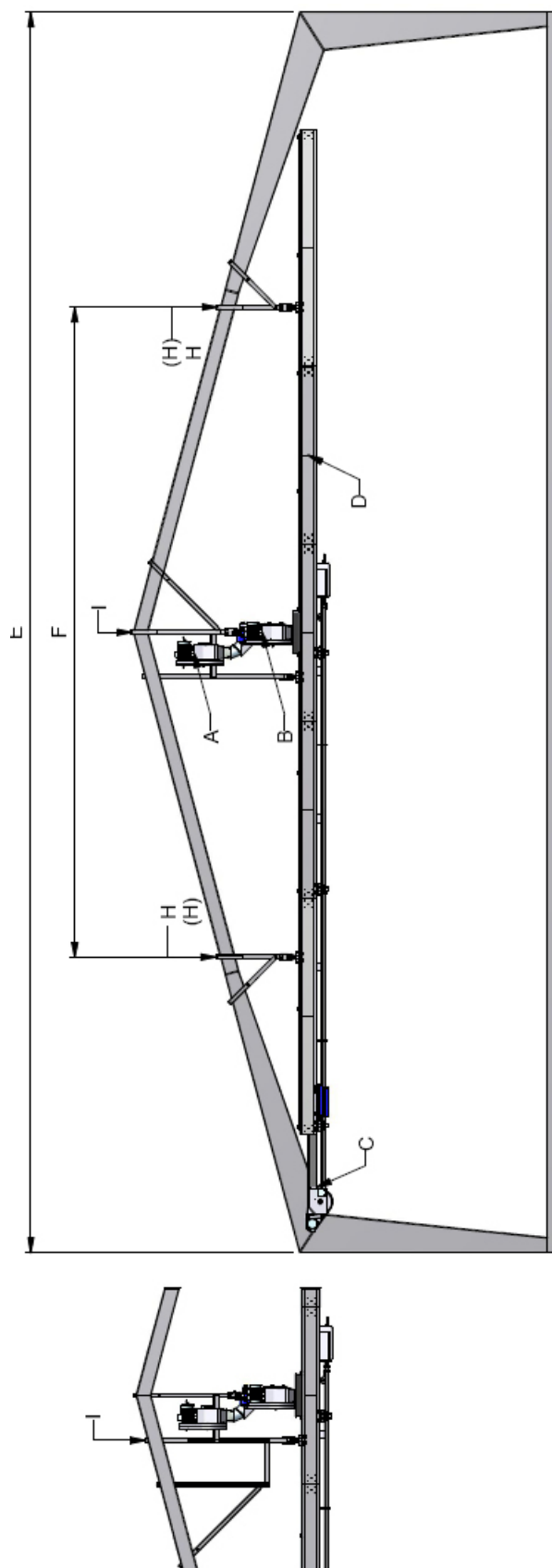
Measurement and load bearing chart for ABC conveyor system T19V

With 2 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm					Weight - kg			
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk	
6.500	8.000	12.000	5.000	682	365	530	745	
7.000	9.000	13.000	6.000	715	388	530	745	
7.500	10.000	14.000	6.000	750	413	530	745	
8.000	11.000	15.000	7.000	784	437	530	745	
8.500	12.000	16.000	7.000	818	461	530	745	
9.000	13.000	17.000	8.000	852	485	530	745	
9.500	14.000	18.000	9.000	904	509	530	745	
10.000	15.000	19.000	10.000	938	533	530	745	
10.500	16.000	20.000	11.000	972	557	530	745	
11.000	17.000	21.000	11.000	1012	581	530	745	

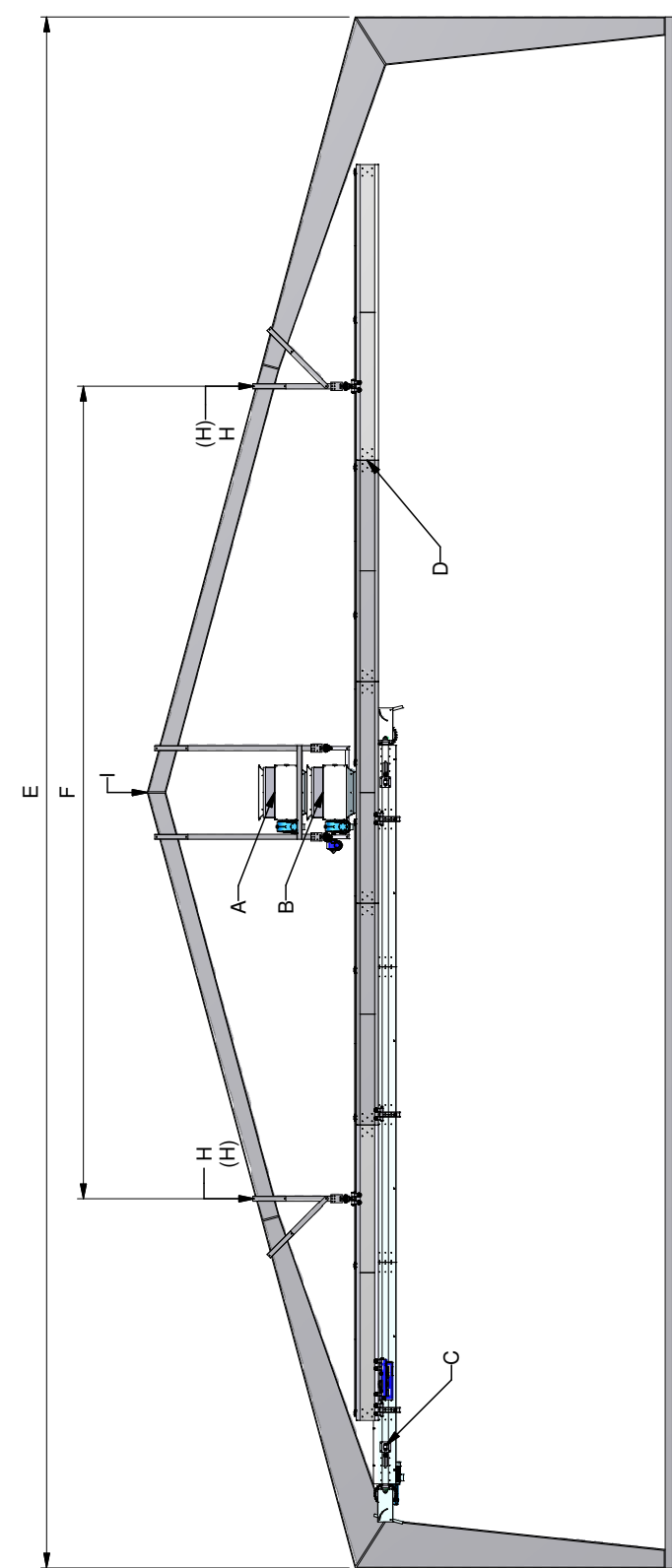
With 3 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm				Weight -kg			
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk
11.500	18.000	22.000	13.000	683	462	1235	1450
12.000	19.000	23.000	14.000	705	479	1257	1472
12.500	20.000	24.000	15.000	725	495	1277	1494
13.000	21.000	25.000	16.000	749	513	1301	1516
13.500	22.000	26.000	17.000	770	529	1322	1537
14.000	23.000	27.000	17.000	792	456	1344	1559
14.500	24.000	28.000	18.000	823	563	1375	1590
15.000	25.000	29.000	19.000	844	579	1396	1611

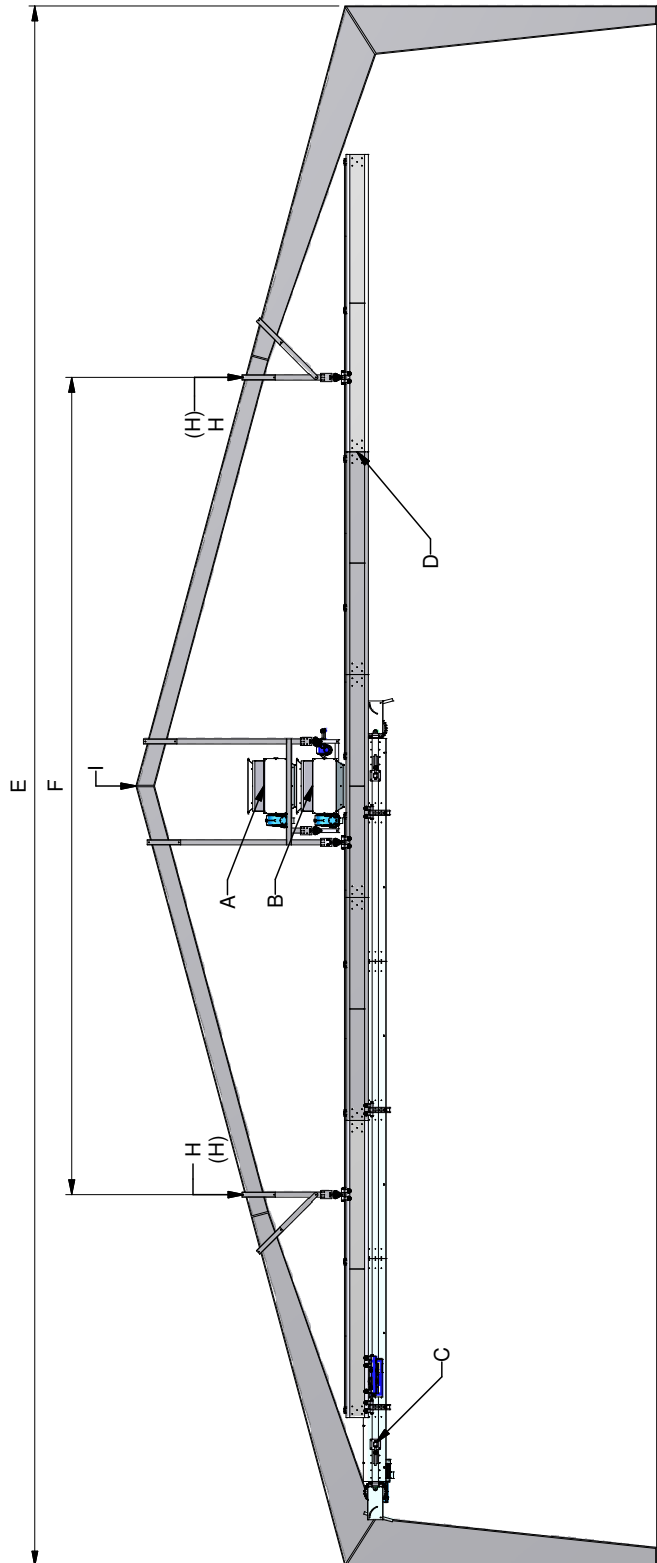
Measurement and load bearing chart for ABC conveyor system T50/T51

With 2 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm					Weight -kg		
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk
6.500	8.000	12.000	5.000	1003	365	1125	1340
7.000	9.000	13.000	6.000	1056	389	1125	1340
7.500	10.000	14.000	6.000	1109	413	1125	1340
8.000	11.000	15.000	7.000	1162	437	1125	1340
8.500	12.000	16.000	7.000	1215	461	1125	1340
9.000	13.000	17.000	8.000	1268	485	1125	1340
9.500	14.000	18.000	9.000	1339	509	1125	1340
10.000	15.000	19.000	10.000	1392	533	1125	1340
10.500	16.000	20.000	11.000	1445	557	1125	1340
11.000	17.000	21.000	11.000	1498	581	1125	1340

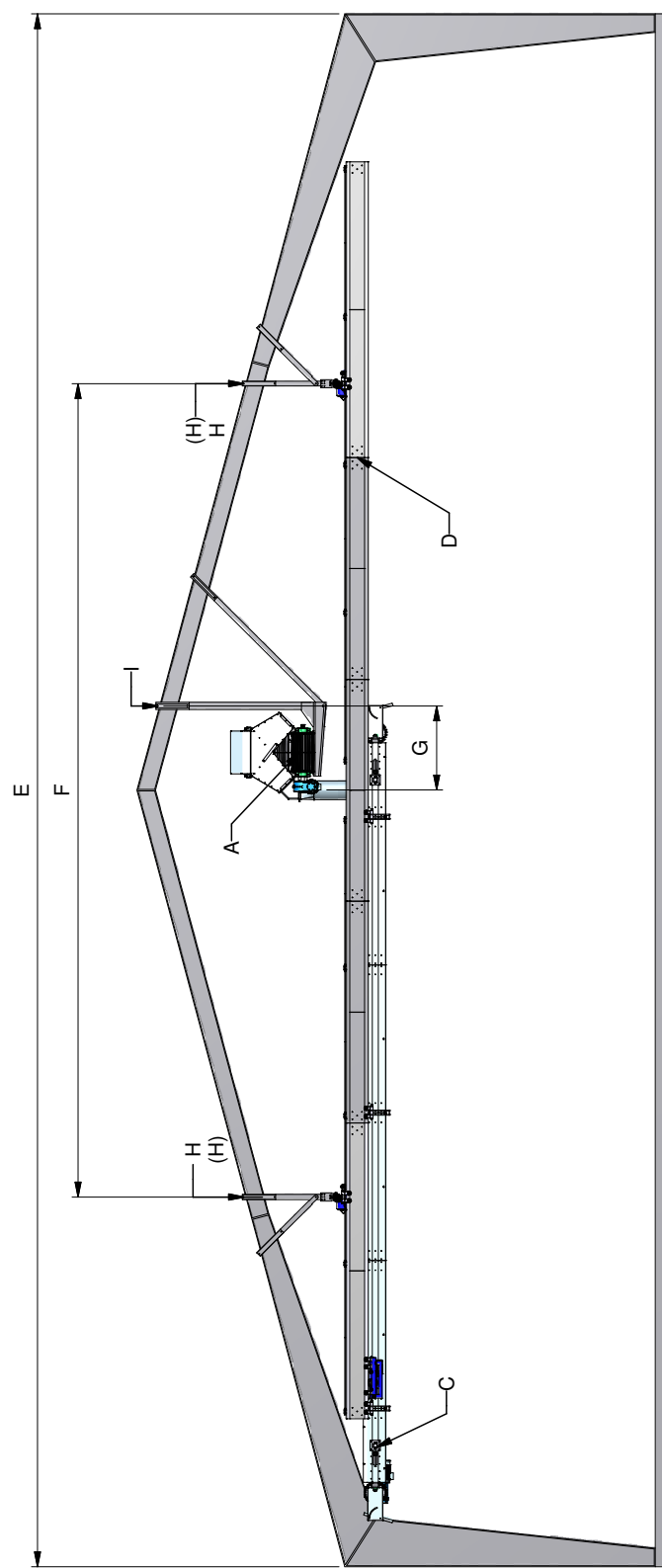
With 3 longitudinal rails (beam spacing 6,0 m.)



Measurements - mm					Weight - kg		
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk
11.500	18.000	22.000	13.000	935	462	2002	2217
12.000	19.000	23.000	14.000	967	479	2034	2249
12.500	20.000	24.000	15.000	997	495	2064	2279
13.000	21.000	25.000	16.000	1031	513	2098	2313
13.500	22.000	26.000	17.000	1061	529	2128	2343
14.000	23.000	27.000	17.000	1093	546	2160	2375
14.500	24.000	28.000	18.000	1133	563	2200	2415
15.000	25.000	29.000	19.000	1164	579	2231	2446

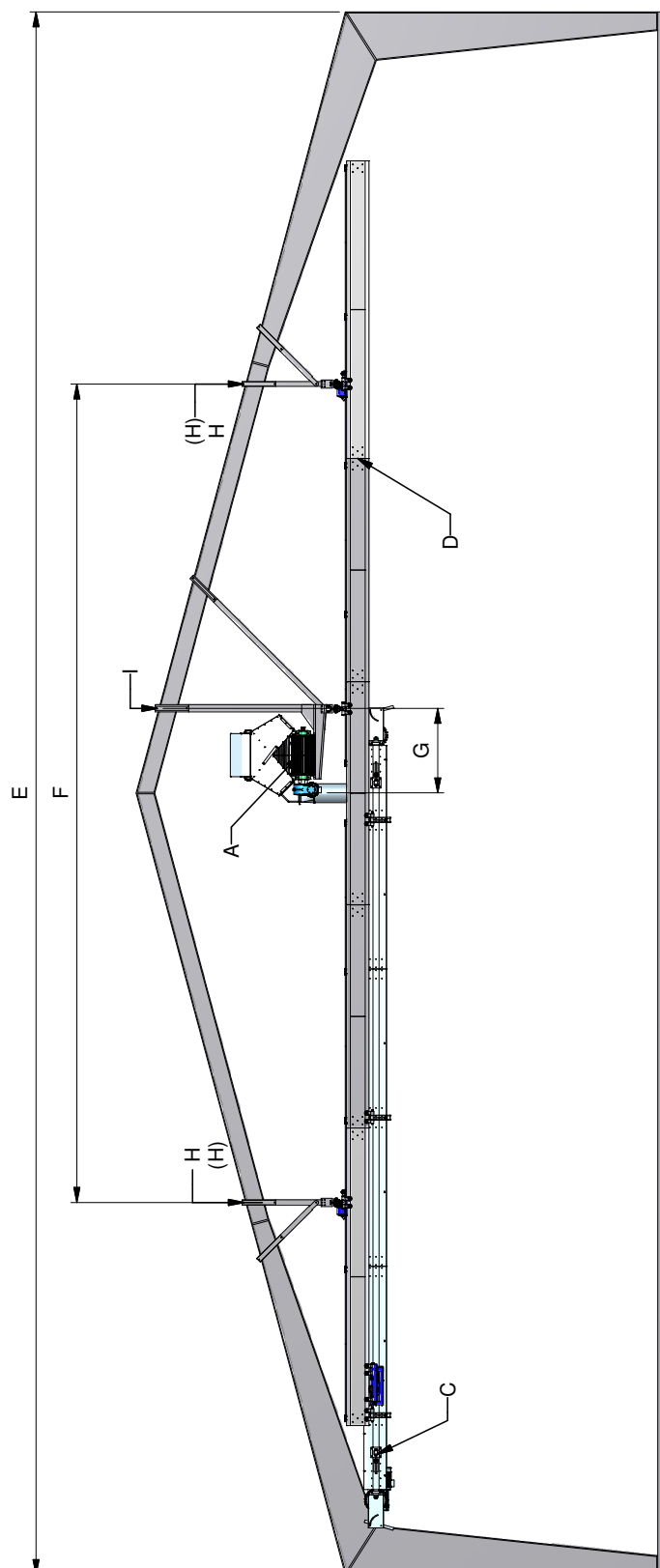
Measurement and load bearing chart for AC conveyor system T50/T51

With 2 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm					Weight -kg				
C	D	E	F	G	H	(H)	I - without catwalk	I - with catwalk	
6.500	8.000	12.000	5.000	1.200	1003	365	687	932	
7.000	9.000	13.000	6.000	1.200	1056	388	687	932	
7.500	10.000	14.000	6.000	1.200	1109	413	687	932	
8.000	11.000	15.000	7.000	1.200	1162	437	687	932	
8.500	12.000	16.000	7.000	1.200	1215	461	687	932	
9.000	13.000	17.000	8.000	1.200	1268	485	687	932	
9.500	14.000	18.000	9.000	1.200	1339	509	687	932	
10.000	15.000	19.000	10.000	1.200	1392	533	687	932	
10.500	16.000	20.000	11.000	1.200	1445	557	687	932	
11.000	17.000	21.000	11.000	1.200	1498	581	687	932	

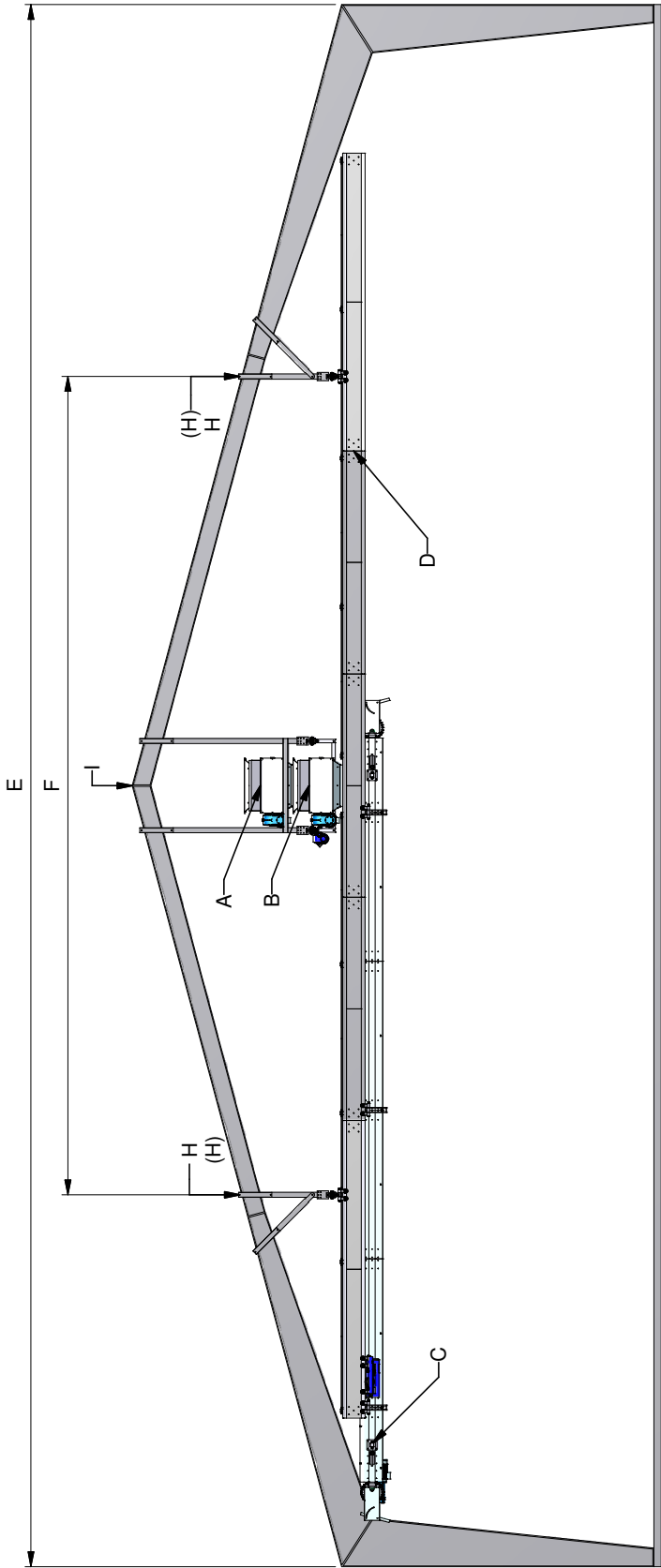
With 3 longitudinal rails (beam spacing 6,0 m.)



Measurements - mm				Weight -kg			
C	D	E	F	G	H	(H)	I - without catwalk I - with catwalk
11.500	18.000	22.000	13.000	1.200	935	462	1539 1784
12.000	19.000	23.000	14.000	1.200	967	479	1571 1816
12.500	20.000	24.000	15.000	1.200	997	495	1601 1846
13.000	21.000	25.000	16.000	1.200	1031	513	1635 1880
13.500	22.000	26.000	17.000	1.200	1061	529	1665 1910
14.000	23.000	27.000	17.000	1.200	1093	546	1697 1942
14.500	24.000	28.000	18.000	1.200	1133	563	1737 1982
15.000	25.000	29.000	19.000	1.200	1164	579	1768 2013

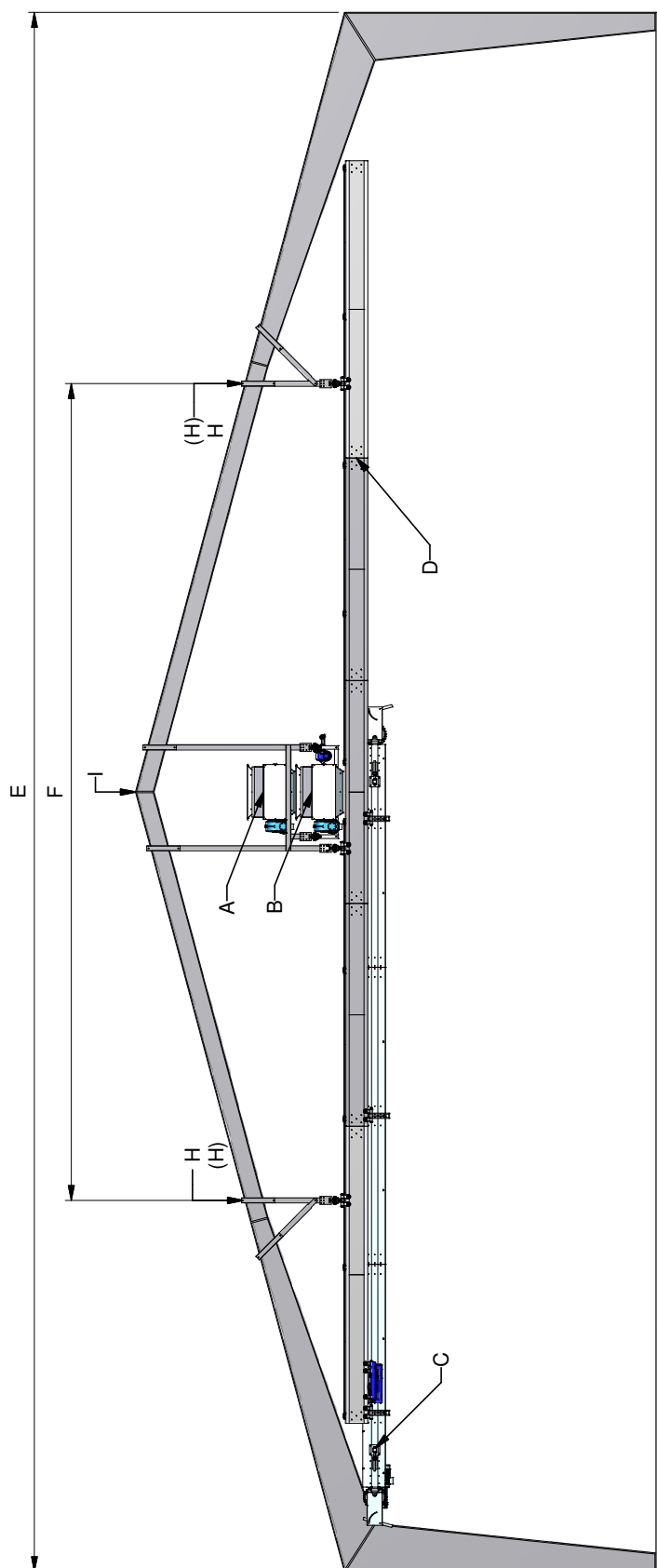
Measurement and load bearing chart for ABC conveyor system T52

With 2 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm				Weight -kg			
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk
6.500	8.000	12.000	5.000	1231	365	1405	1653
7.000	9.000	13.000	6.000	1277	389	1405	1653
7.500	10.000	14.000	6.000	1341	413	1405	1653
8.000	11.000	15.000	7.000	1405	437	1405	1653
8.500	12.000	16.000	7.000	1469	461	1405	1653
9.000	13.000	17.000	8.000	1533	485	1405	1653
9.500	14.000	18.000	9.000	1615	509	1405	1653
10.000	15.000	19.000	10.000	1679	533	1405	1653
10.500	16.000	20.000	11.000	1743	557	1405	1653
11.000	17.000	21.000	11.000	1852	581	1405	1653

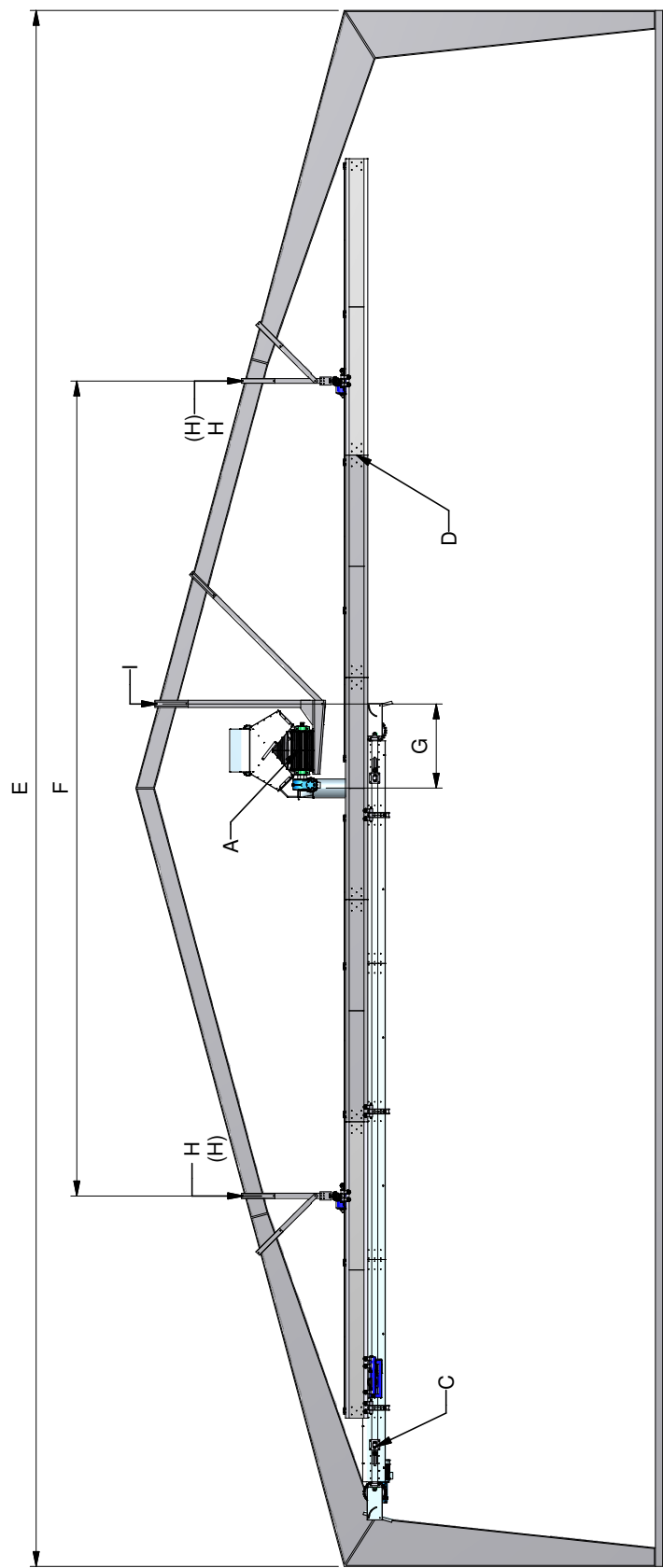
With 3 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm					Weight - kg			
C	D	E	F	H	(H)	I - without catwalk	I - with catwalk	
11.500	18.000	22.000	13.000	1098	462	2420	2673	
12.000	19.000	23.000	14.000	1135	479	2457	2710	
12.500	20.000	24.000	15.000	1171	495	2493	2746	
13.000	21.000	25.000	16.000	1209	513	2531	2784	
13.500	22.000	26.000	17.000	1245	529	2567	2820	
14.000	23.000	27.000	17.000	1282	546	2604	2857	
14.500	24.000	28.000	18.000	1328	563	2650	2903	
15.000	25.000	29.000	19.000	1364	579	2685	2939	

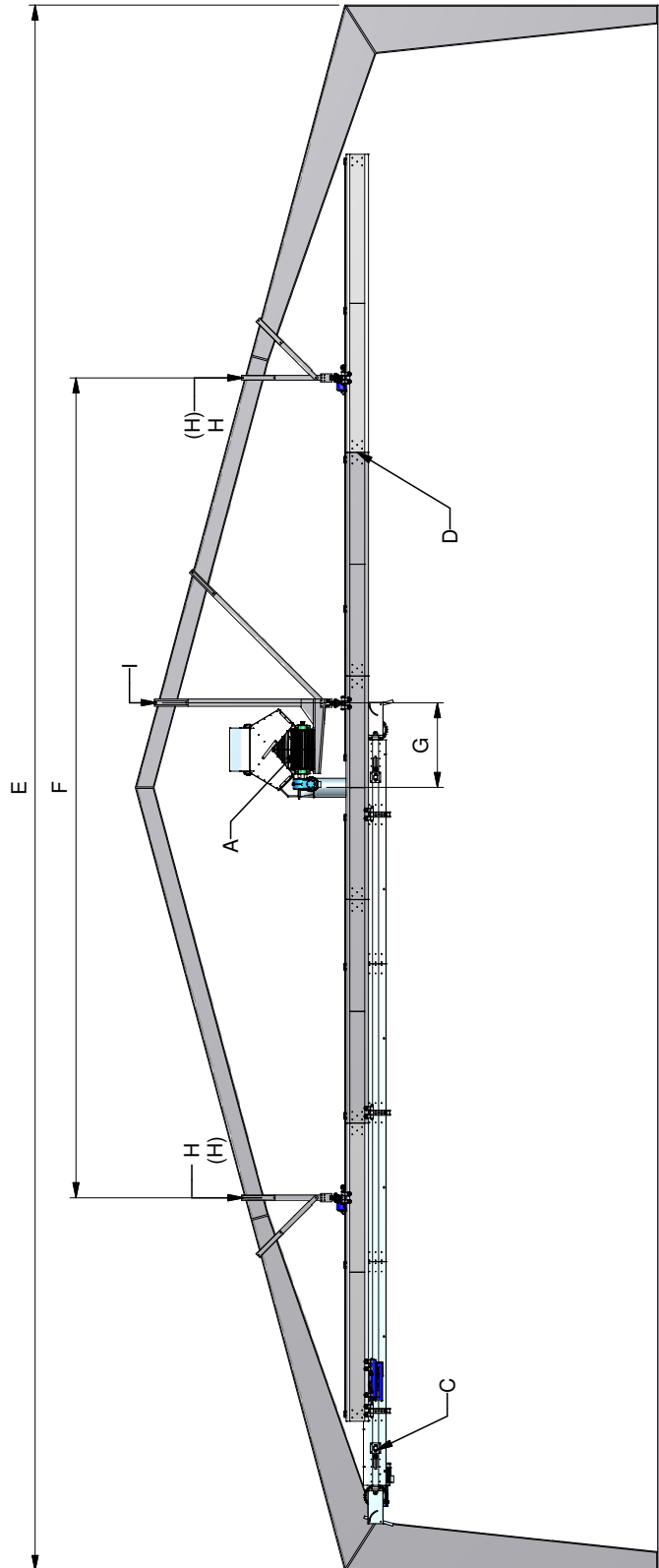
Measurement and load bearing chart for AC conveyor system T52

With 2 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm						Weight -kg		
C	D	E	F	G	H	(H)	I - without catwalk	I - with catwalk
6.500	8.000	12.000	5.000	1.300	1213	365	926	1183
7.000	9.000	13.000	6.000	1.300	1277	388	926	1183
7.500	10.000	14.000	6.000	1.300	1341	413	926	1183
8.000	11.000	15.000	7.000	1.300	1405	437	926	1183
8.500	12.000	16.000	7.000	1.300	1469	461	926	1183
9.000	13.000	17.000	8.000	1.300	1533	485	926	1183
9.500	14.000	18.000	9.000	1.300	1605	509	926	1183
10.000	15.000	19.000	10.000	1.300	1679	533	926	1183
10.500	16.000	20.000	11.000	1.300	1743	557	926	1183
11.000	17.000	21.000	11.000	1.300	1852	581	926	1183

With 3 longitudinal rails (beam spacing 6.0 m.)



Measurements - mm					Weight -kg			
C	D	E	F	G	H	(H)	I - without catwalk	I - with catwalk
11.500	18.000	22.000	13.000	1.300	1098	462	1941	2177
12.000	19.000	23.000	14.000	1.300	1135	479	1978	2214
12.500	20.000	24.000	15.000	1.300	1171	495	2014	2250
13.000	21.000	25.000	16.000	1.300	1209	513	2052	2288
13.500	22.000	26.000	17.000	1.300	1245	529	2088	2324
14.000	23.000	27.000	17.000	1.300	1282	546	2125	2361
14.500	24.000	28.000	18.000	1.300	1328	563	2171	2407
15.000	25.000	29.000	19.000	1.300	1364	579	2207	2443

Assembly

Check supporting structure and transport level (placing of input and output) before beginning assembly.

Make sure that area conditions are in order.

It is important to read the whole manual thoroughly before installation/beginning assembly.

Electrical connection must only be performed by a certified electrician.

REMEMBER, before beginning installation use necessary safety equipment for assembly such as gloves, safety shoes, helmet, glasses and lifeline. None of these items are standard.

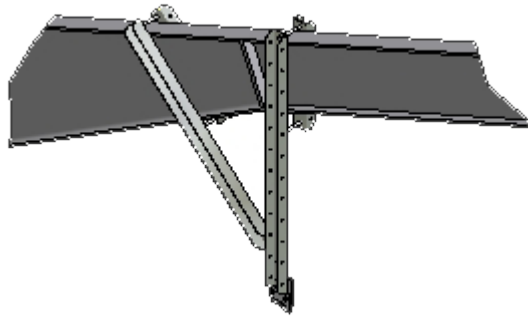
The gantry must be installed according to the measurements from plant drawings or from this manual. The weight of the gantry on page 12 is shown without the cross piece.

Installation of rails INP 100

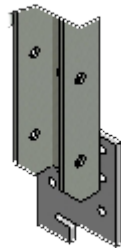
The distance between the longitudinal rails INP 100 must be as specified in the "measurement and load bearing sheets" for AC and ABC conveyor systems. (See pages 16-25)

Start by installing V suspension fittings on the first and the last beam, on one side of the warehouse.

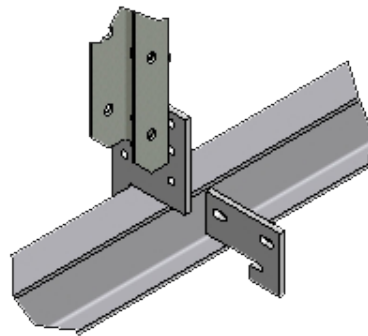
Stretch a rope tightly between these brackets and then install the intermediate bracket.



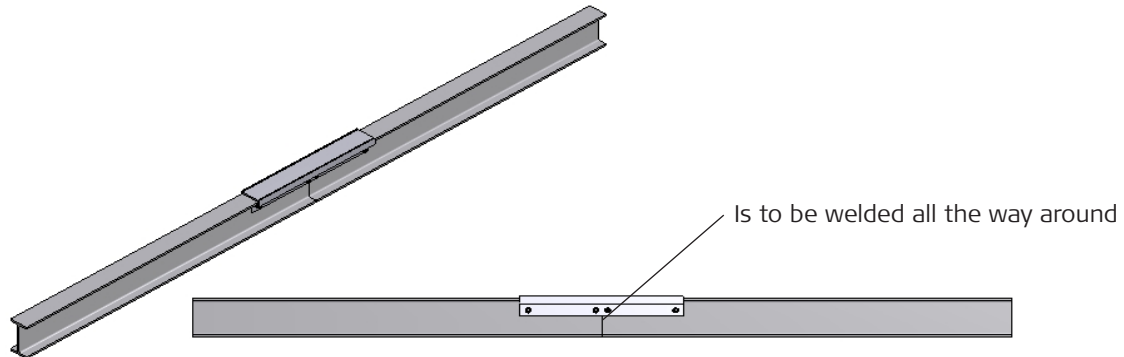
The long part of the "hanger bracket of INP 100" (00213) is mounted on all V suspension fittings



Then install the INP 100 rail in the long part of the "hanger bracket of INP 100" and fasten it with the short part of the "hanger bracket for INP 100".

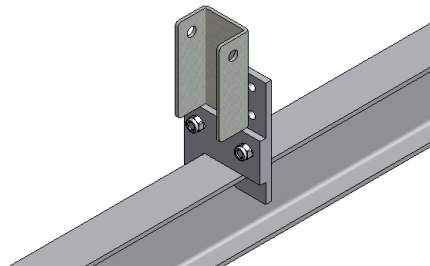


A "connector for INP 100" (00212) is fitted on one end of the INP 100 rails as a connection for the next INP rail. After assembly and alignment of all INP rails, weld all the joints and grind the welds smooth.

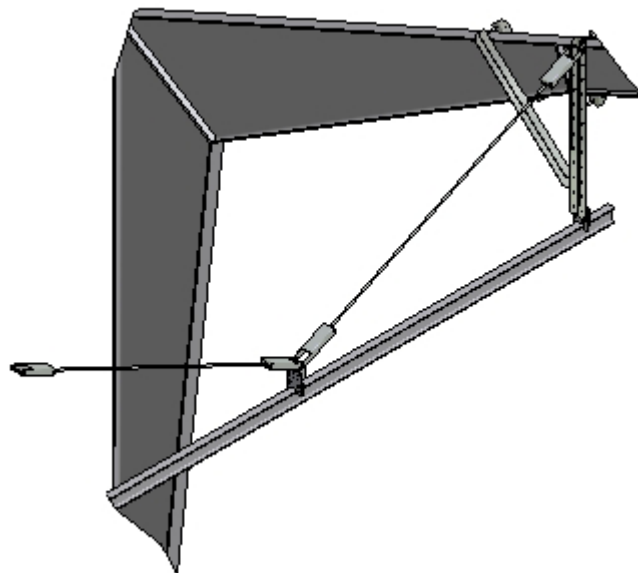


With a distance greater than 3.0 m. between the suspension points, install "strain relief sections with threaded rod and bolts". (19191-19192-19193)

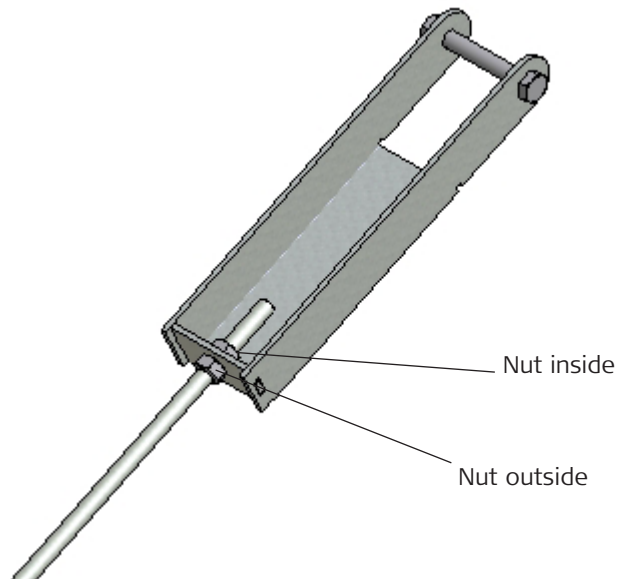
Mount a "suspension bracket INP 100 (00213) midway between suspension points, fitted with a "bracket for strain relief sections" (19182)



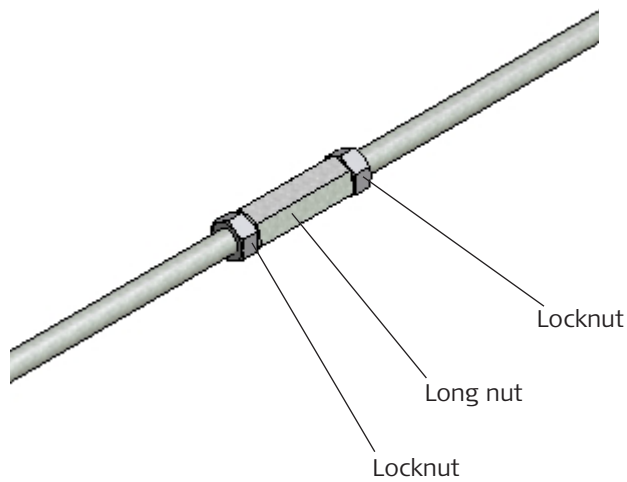
Install "strain relief sections with threaded rod and bolt" between "the middle bracket for strain relief sections" and the V suspension bracket's top end.



Adjust the threaded rods so that the INP rail is alike, and then tighten the locknuts on the threaded rods.



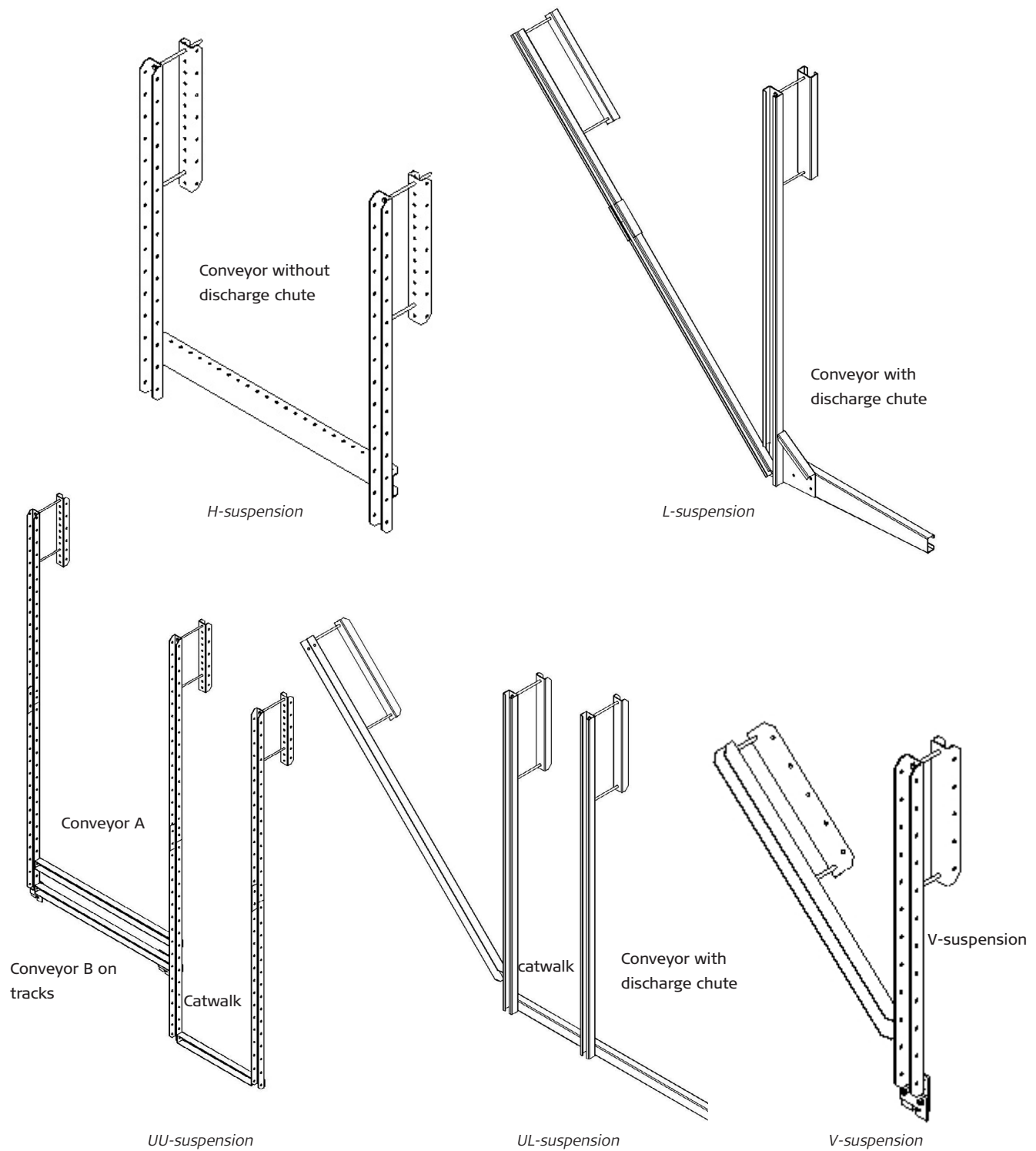
Assembly of threaded rods 3.0 m and 4.0 m.



Fastening (Suspension fittings)

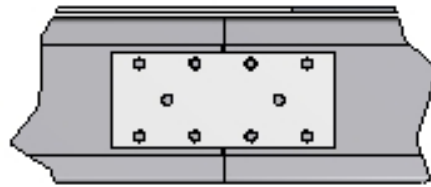
It is important that the conveyor is fastened to ensure stability. **The max distance must be 6.0 m. between the support points.**

There are several ways to fasten the conveyor belts and rails. (See the drawings below).

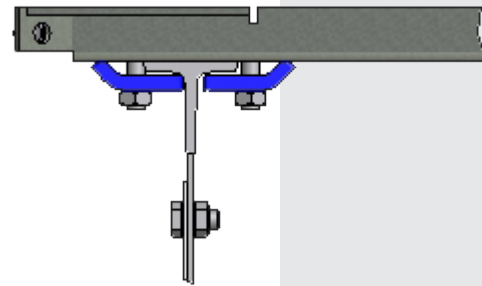
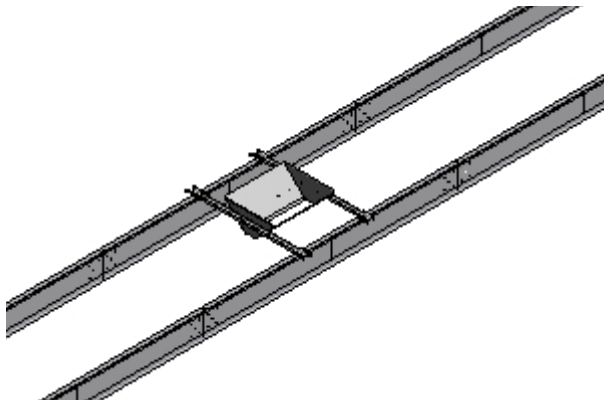


Installation of gantry

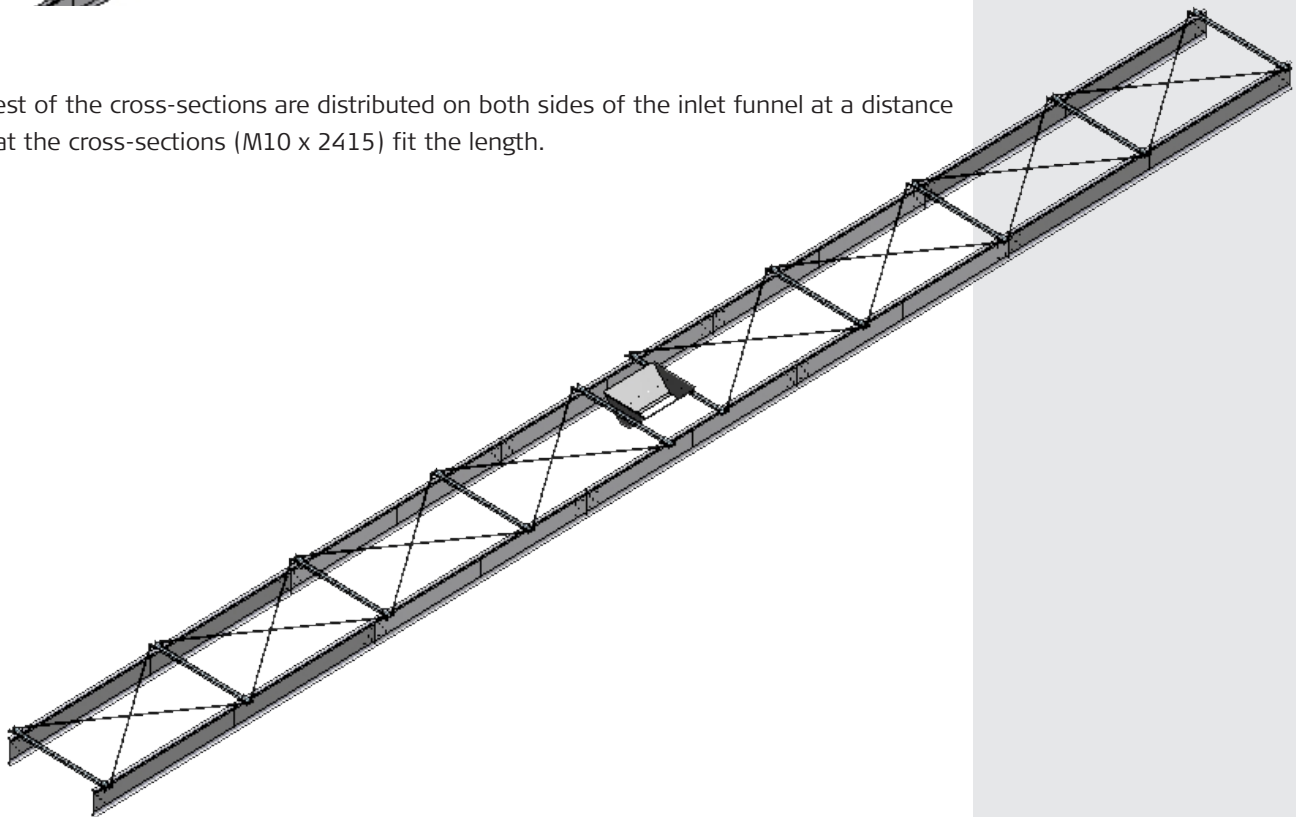
The gantry's sections are placed together lengthwise at the top. They are connected with an assembly plate on both sides. The sections are aligned so that they are alike, and then the bolts are tightened. Afterward the assemblies are welded together and the welds are ground smooth on the bottom T profile where the runners will run.



The two connected sections are assembled in parallel, with an approximate centre distance of 1200mm. Inlet funnel model B+C is placed in the middle of the assembly, and fastened on the longitudinal sections, with 2 transverse sections per gantry.



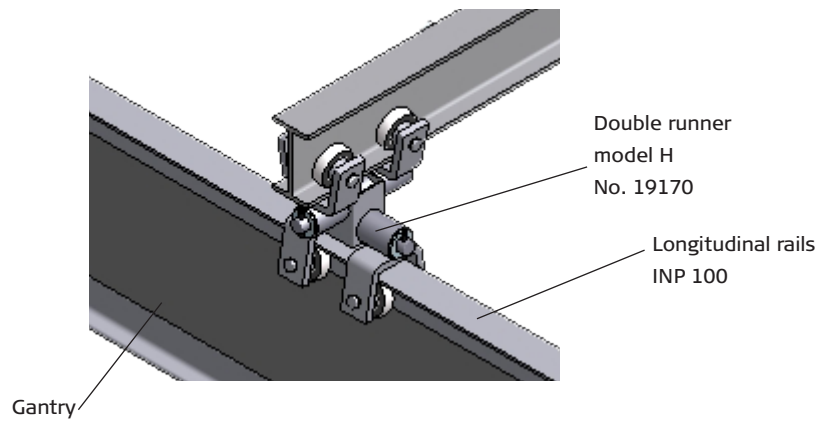
The rest of the cross-sections are distributed on both sides of the inlet funnel at a distance so that the cross-sections (M10 x 2415) fit the length.



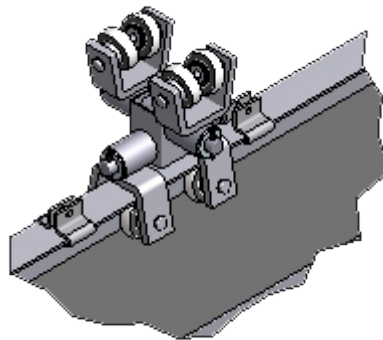
The gantry is hung on the longitudinal rails with double runner model H. No. 19170. With 2 longitudinal rails, 4 pcs of double hoist model H are used.

With 3 longitudinal rails, 6 pcs double runner model H are used.

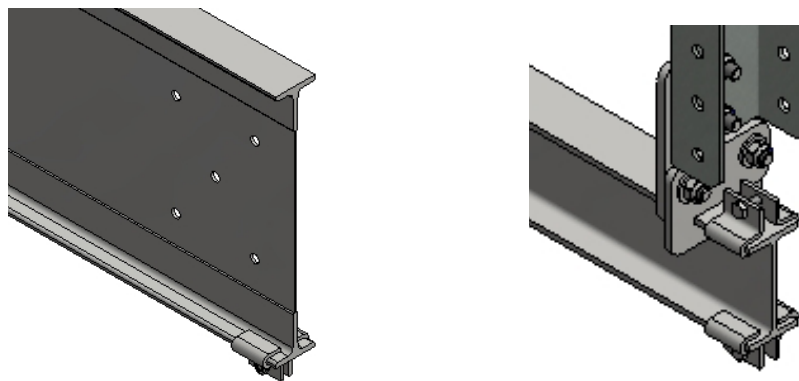
2 pcs double runners model H are fed into each of the longitudinal rails. The lower load bearing rollers with journals are removed. The gantry is hoisted up to the runners (see weights and lifting points page 12) and then the lower load bearing rollers are re-mounted.



In order to ensure the gantry's free movement in the longitudinal tracks, only 1 runner model H is fastened to the gantry with 2 pcs locking brackets on the rails no. 19298.



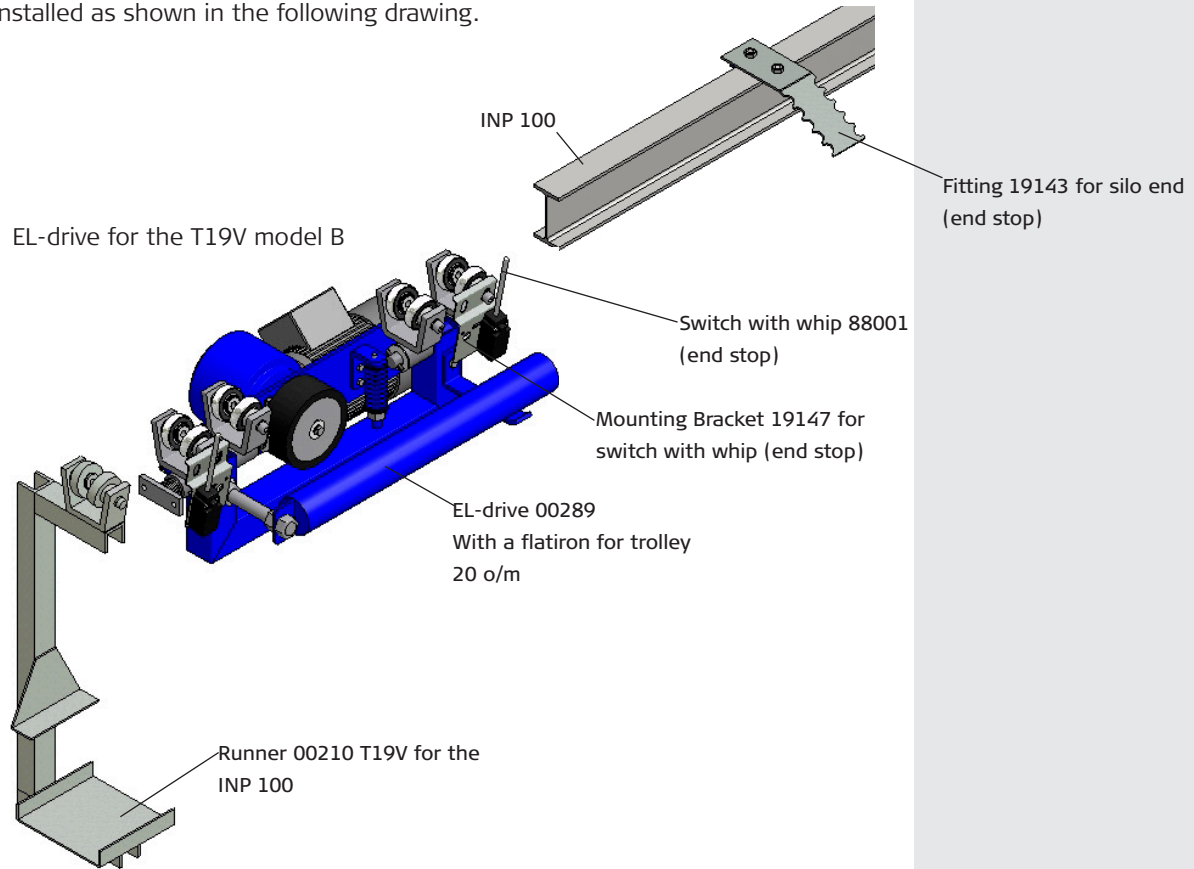
Install locking brackets at both ends of the longitudinal rails and at all four ends of the gantry. 19298.



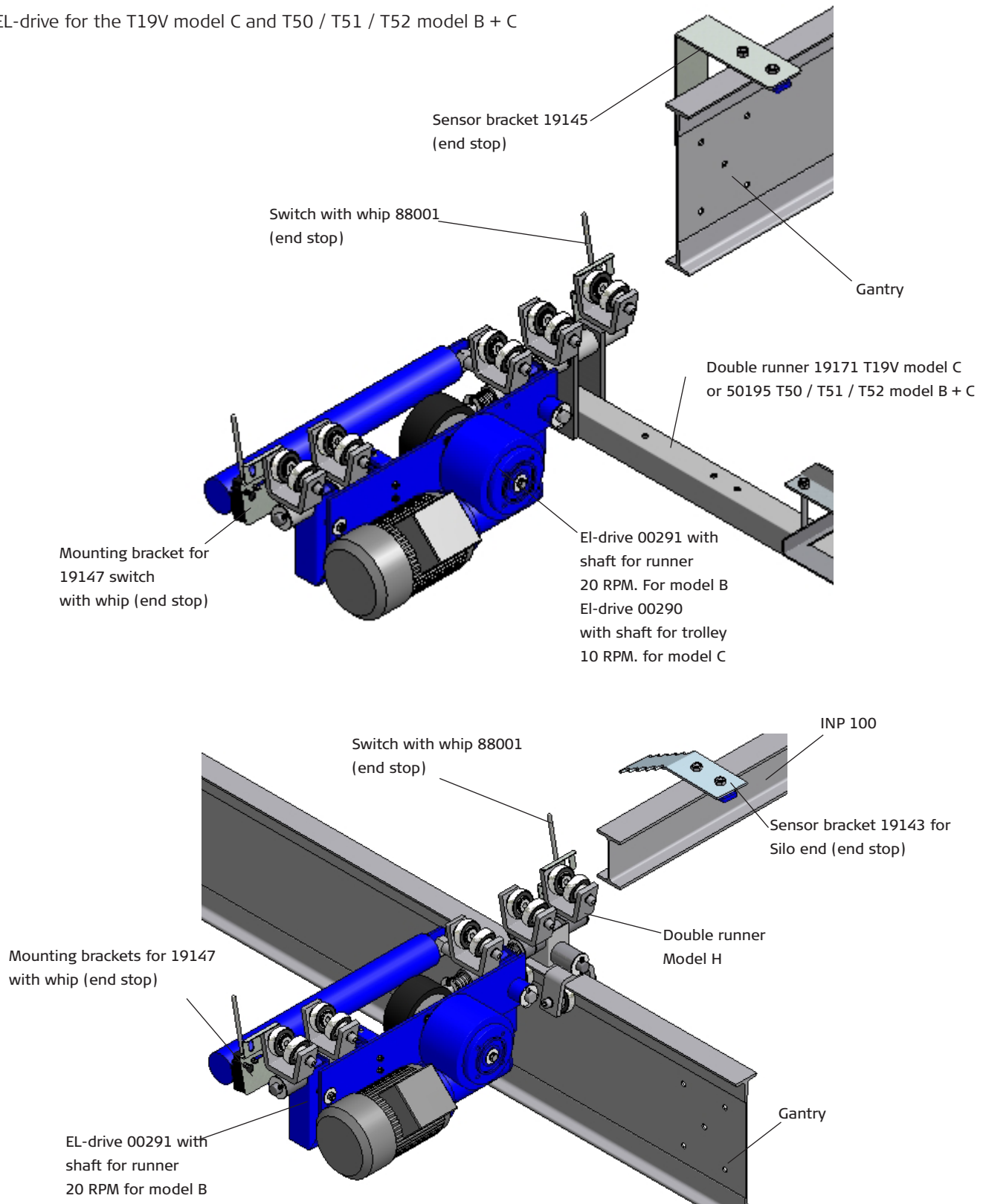
Installation the Electrical drive

For conveyor and gantry motion on rails INP 100, EL drive is used.

EL-drive is installed as shown in the following drawing.



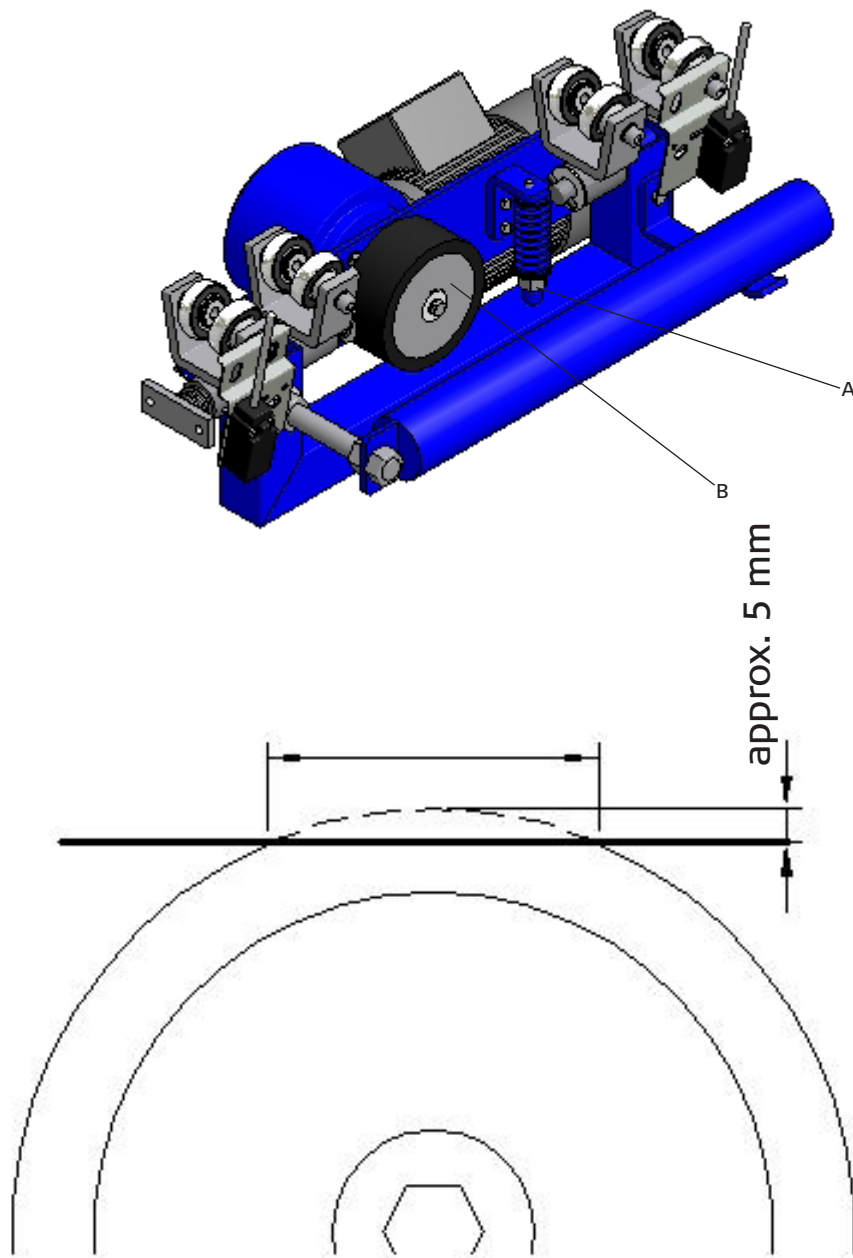
EL-drive for the T19V model C and T50 / T51 / T52 model B + C



For mounting of additional switch with whip (end stop) and sensor bracket for unattended installations, see the manual "El-control / El drive".

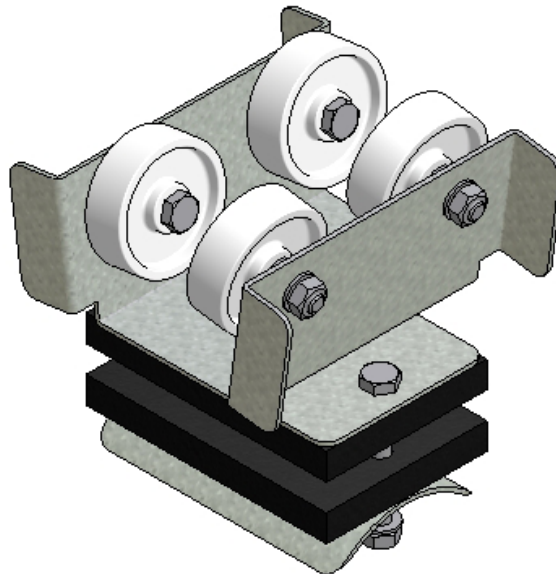
Setting of the drive wheels on the EL-drive

After mounting the EL-drive on the rails, tighten adjustment screw (A) until the drive wheel (B) with pressure against the rail, is deformed around 5 mm and the wheel has a fixed surface of 40-50mm in the rail's longitudinal direction.



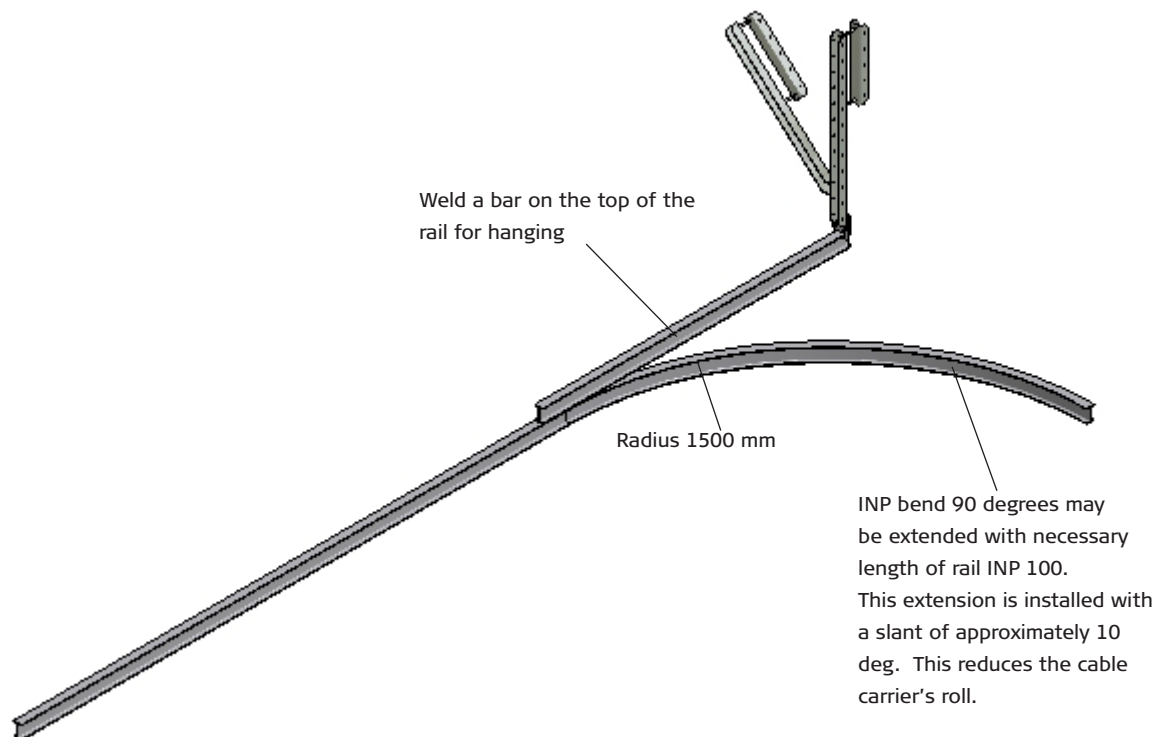
Cable installation on rails INP 100

Use cable carrier for cable hanging on rails for INP 100 no. 92030. There should normally be 1 cable carrier per 1.5m cable.



Each carrier has a length of 100mm. A larger number of cable carriers will make up a significant length. The rail's length therefore, should be adjusted so there is room for them at one end of the facility.

If there is no room, the rail can be fitted with INP bend 90 ° No 70286.

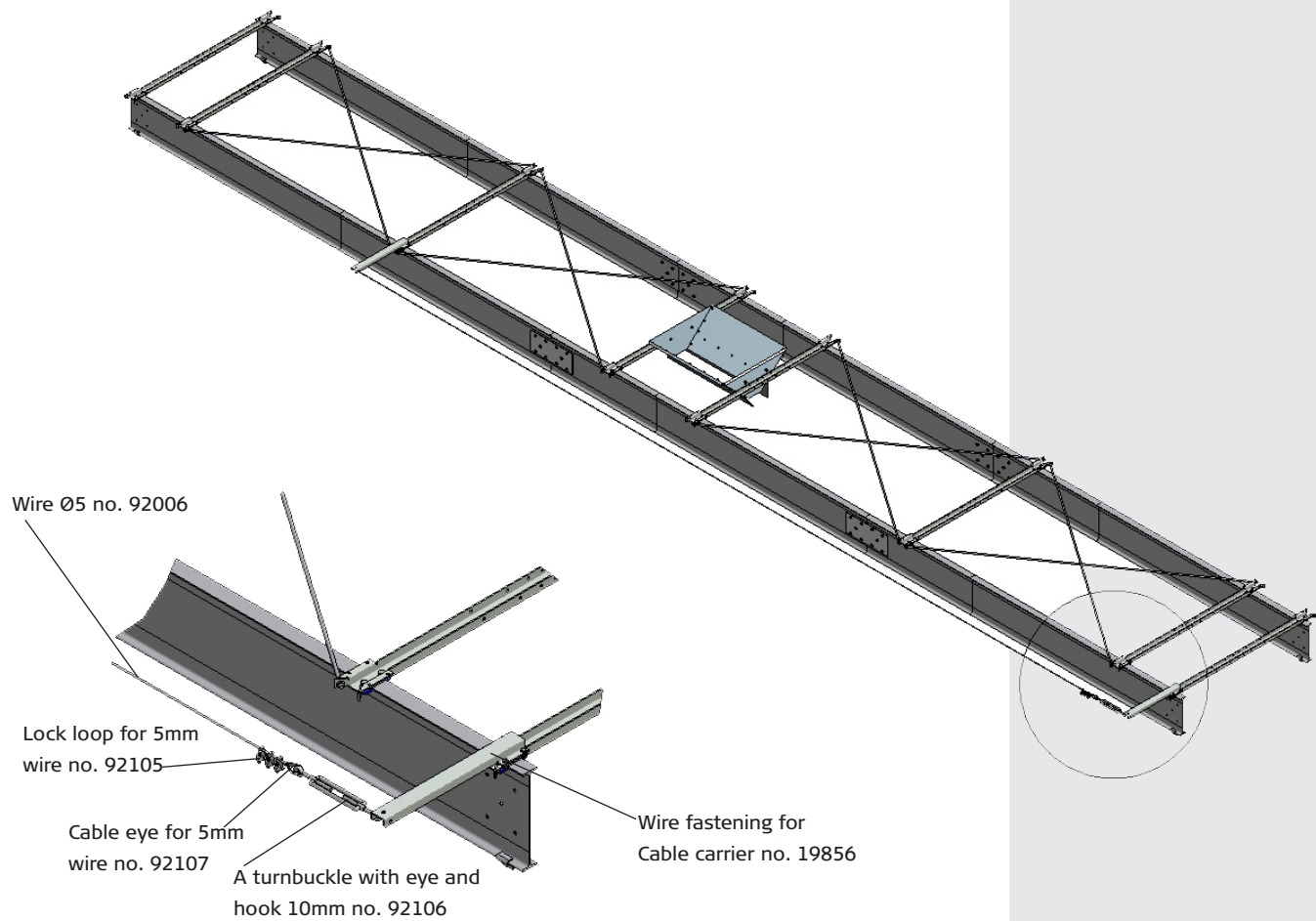


Cable installation on gantry

For hanging cable on the gantry use cable carriers with dual cable clamps for wire no 92020. There should normally be 1 cable carrier per 1.0 m. cable.

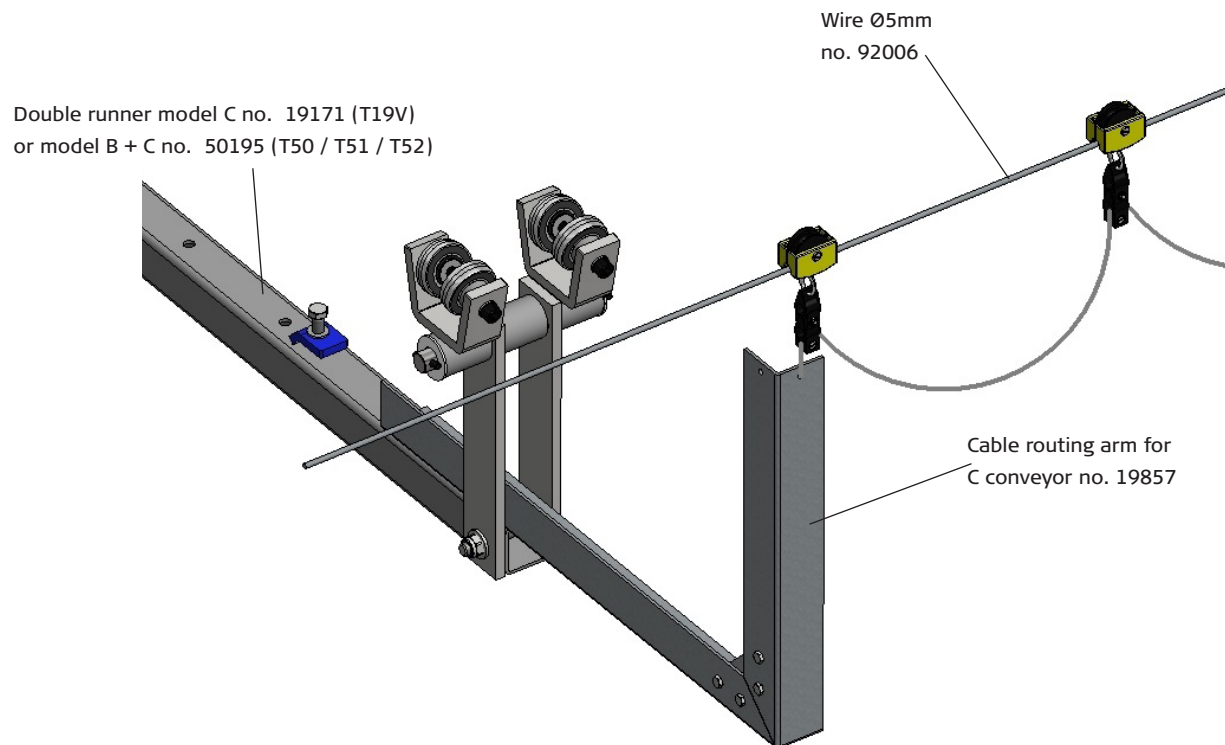


Wire for cable carrier is mounted on the gantry as shown below.



Cabling for C conveyor

For proper routing of the moving cables, the C conveyor / the gantry cable routing arm is mounted for C conveyor no. 19857 on one of the C conveyor's double runners.

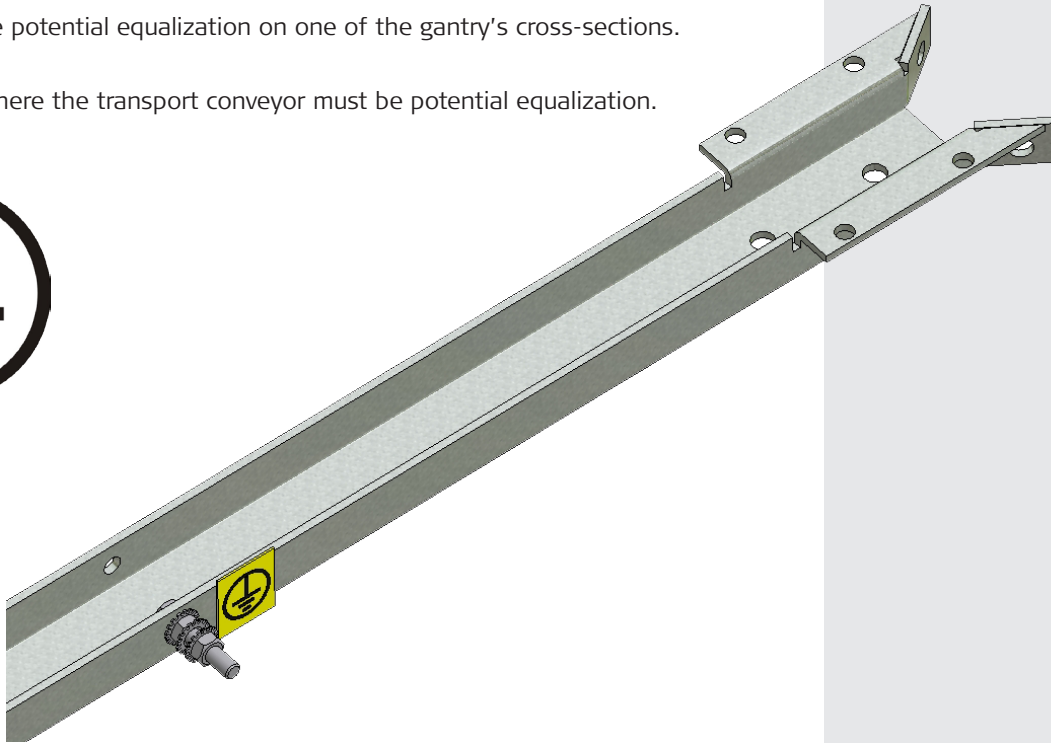


Potential equalization

Potential equalization is according to local regulations.

The gantry must be potential equalization on one of the gantry's cross-sections.

The mark shows where the transport conveyor must be potential equalization.



Fastening

Follow the instructions for the installation of carriage guide rail INP 100 on pages 27-28-29.

Start-up

Before you start-up, check the following:

- Ensure that there is no work on/near the gantry.
- Ensure that the rotation direction of any engines is correct.
- Ensure that the gantry are installed correctly and are not tilted in relation to each other.
- Ensure that all bolts are installed and tightened.
- Ensure that the drive wheel setting on the EL-drive is correct (see page 35)

Maintenance

Refer to the service guide, as well as the supplied documentation for cleaning and maintenance intervals.

WARNING!

- During cleaning, and maintenance work, the electrical supply to the gantry shall be disconnected and locked out.

Gear motor

Check the gear in accordance with the attached documentation.

Bearing noise from the motor. See attached supplier documentation.

Inspection of the motor; see attached supplier documentation.

End stop

Inspect that the end stop's whip is not broken or deformed.

Locking brackets for rails

Retighten lock fittings for rails (manual stop) see page 32.

Cross-section steel

Cross-section steel on the gantry must be retightened, see page 31

Runner

Retighten journals. Check the bearings for play or breakage.

Drive wheels on electric drive

Check drive wheel's pressure against the rails, see page 35

Rails INP 100

Make sure that the rails is straight and not damaged.

Tighten stress relief sections, see page 29

Noises and vibrations

Immediately stop the movement of the gantry and identify error source.

Disposal

Disposal must be carried out in accordance with the relevant national rules.

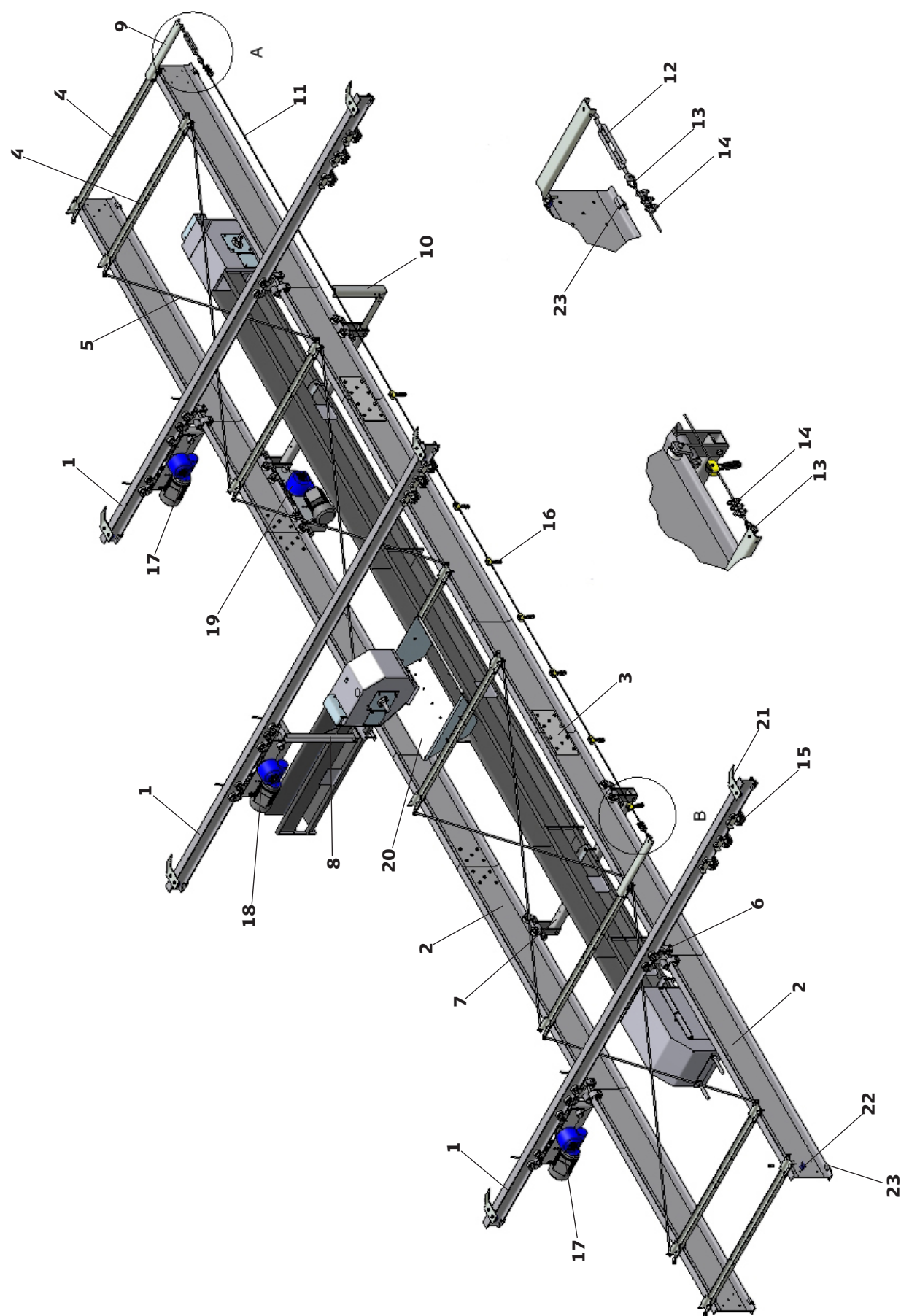
WARNING!

Electrical supply to the engine must not be connected during disassembly

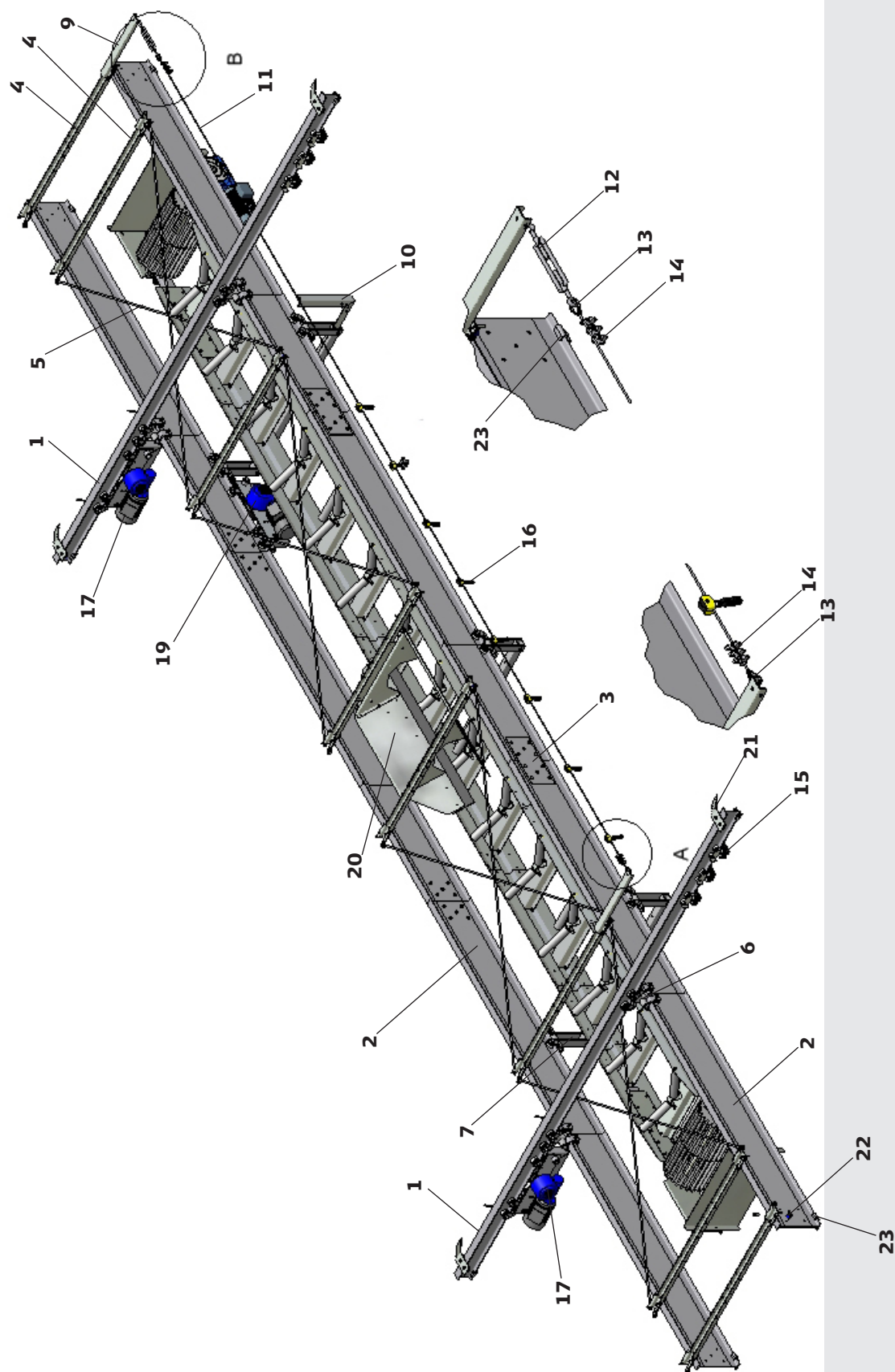
The gantry must be dismantled and separated in the reverse of the manual installation description.

The gantry contains some materials that can be reused. All metal parts should be delivered to metal recycling plants.

Reserve parts drawing T19V



Reserve parts drawing T50/T51/T52



Parts list

Pos.	Text	T19V	T50	T51	T52
1	Slide rail INP 100 running metre	70286	70286	70286	70286
2	Rail 3,0m. for gantry	19252	19252	19252	19252
	Rail 4,0m. for gantry	19251	19251	19251	19251
3	Connection plate for gantry	19253	19253	19253	19253
4	Cross piece for gantry	19294	19294	19294	19294
5	Threaded rod for gantry M10 x 2415mm	19297	19297	19297	19297
6	Double runner model H for gantry	19170	19170	19170	19170
7	Double runner model C	19171	50195	50195	50195
8	Runner for INP 100 model B	00210	-	-	-
9	Wire fastening for cable carrier	19856	19856	19856	19856
10	Cabling arm for C-conveyor	19857	19857	19857	19857
11	Wire 5mm. running metre	92006	92006	92006	92006
12	Turnbuckle Eye/Hook 10 mm	92106	92106	92106	92106
13	Wire hook for 5 mm wire	92107	92107	92107	92107
14	Wire Lock for 5 mm wire	92105	92105	92105	92105
15	Cable Carrier for INP 100	92030	92030	92030	92030
16	Cable carrier with double cable clamp for wire	92020	92020	92020	92020
17	EL-drive 0.37 kW with shaft for hoist without electrical control 20 o/m	00291	00291	00291	00291
18	EL-drive 0.37 kW with flatiron for hoist without electrical control 20 o/m	00289	-	-	-
19	EL-drive 0,18 kW with axel for hoist without electrical control 10 o/m	00290	00290	00290	00290
20	Inlet hopper model C	19210	50523	50190	50248
21	Signal fitting for end switch	19143	19143	19143	19143
22	Locking brackets for rails	19295	19295	19295	19295
23	Stop Support for cross/longitudinal band	19298	19298	19298	19298

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