



## Spare parts

# Liver harvester

## PLH-15 RS R

Serial number: \_\_\_\_\_

Document number (Type): 4694811

Revision:

Language: ENG

Date: 23-10-2019

Machine code: C1524

Source: ENG (Engineering)

### Marel Inc.

1024 Airport Parkway

Gainesville, GA 30501

P.O. Box 1258

Gainesville, GA 30503

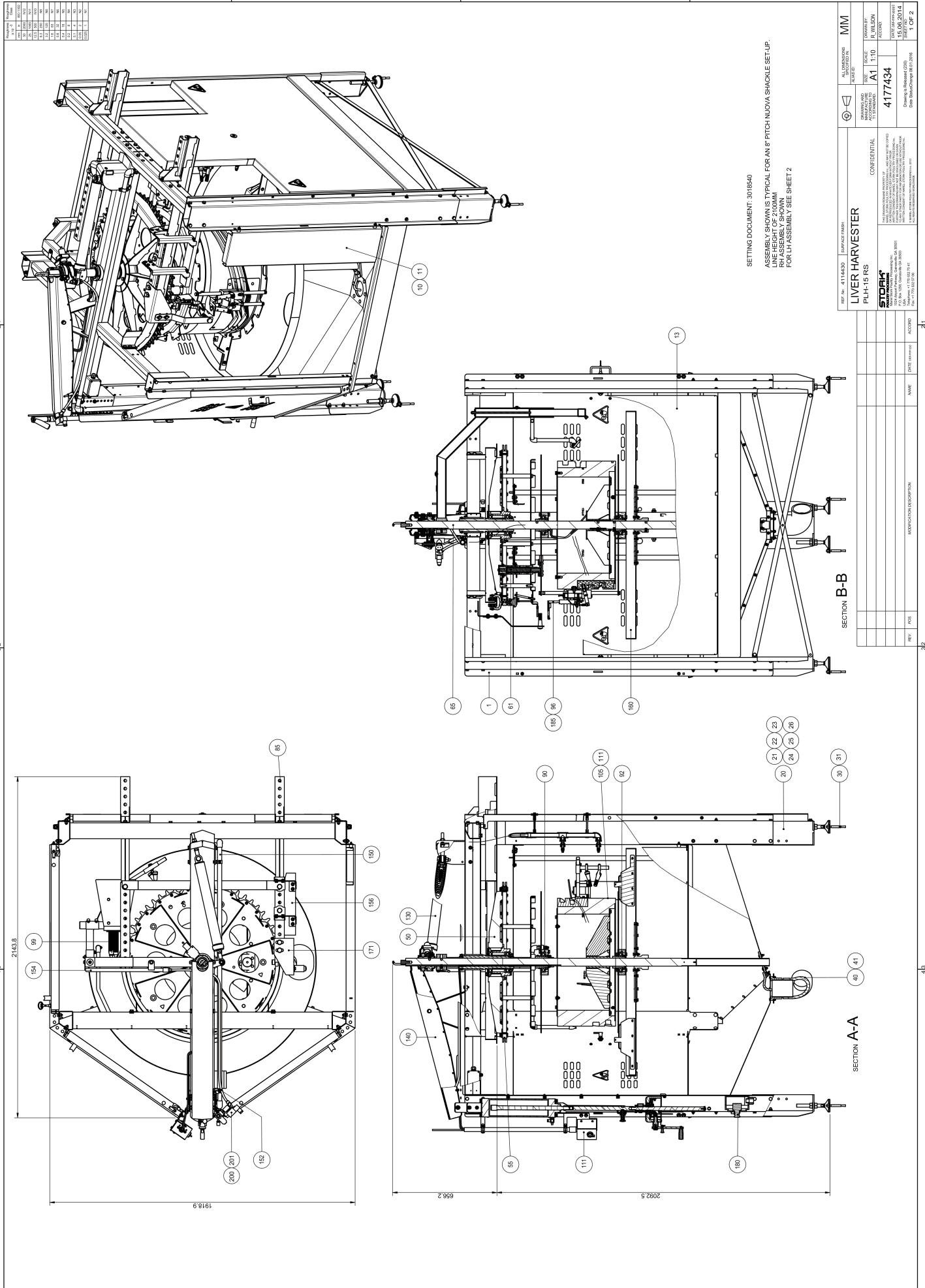
USA

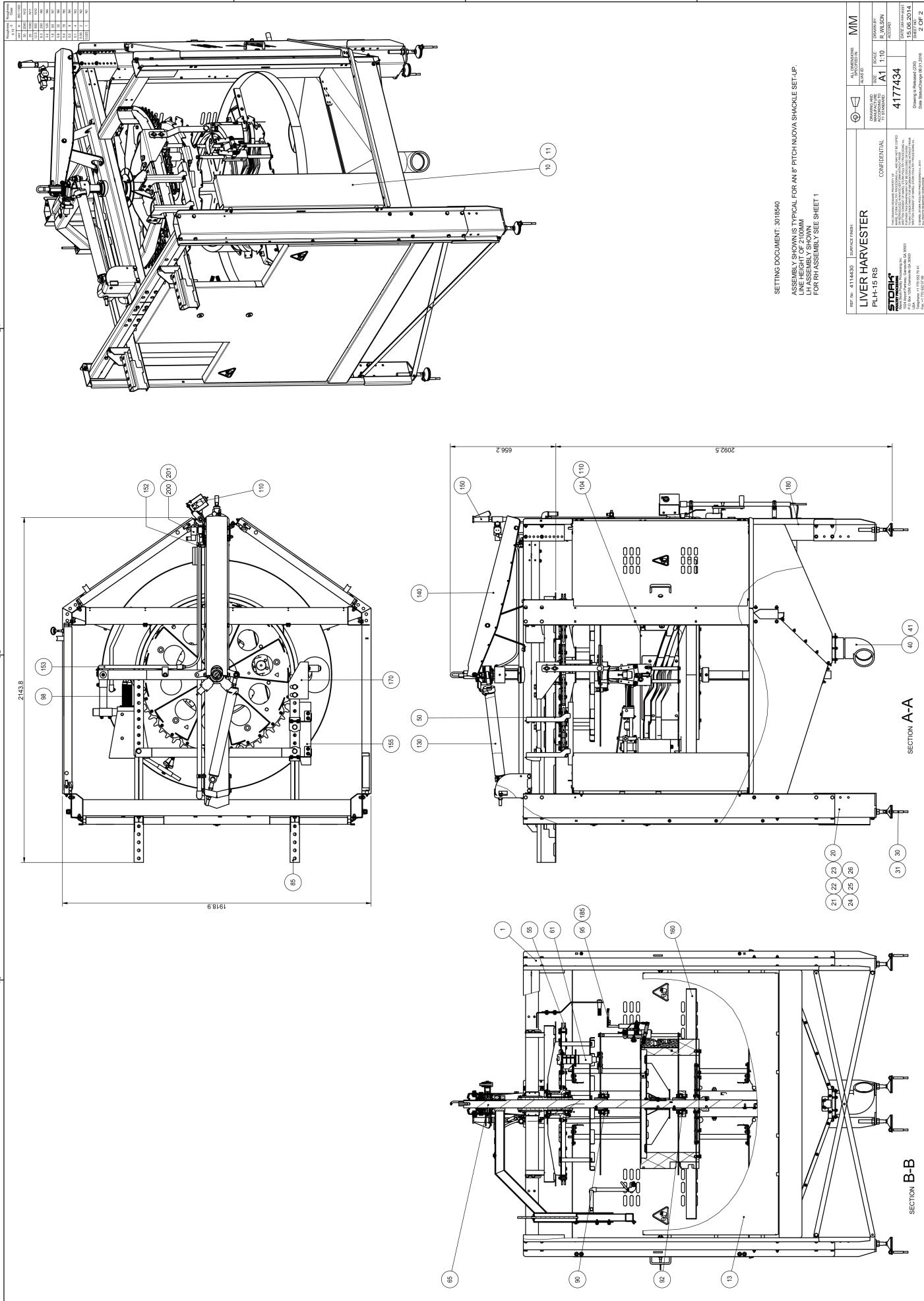
T: +1 770 5327041

F: +1 7705329867

I : [www.marel.com](http://www.marel.com)

Copyright © 2019 Marel Inc.



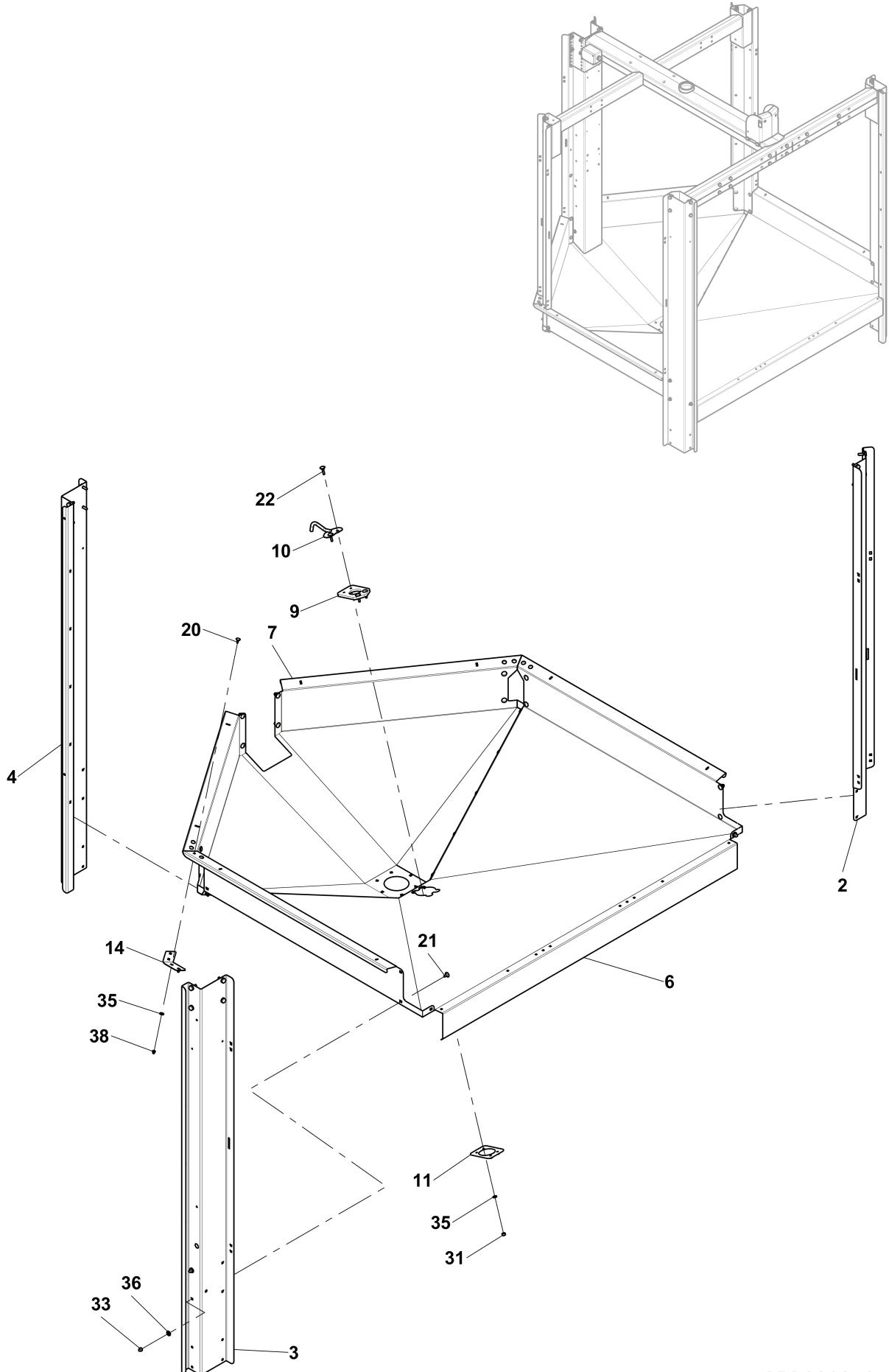


*Page left blank intentionally*

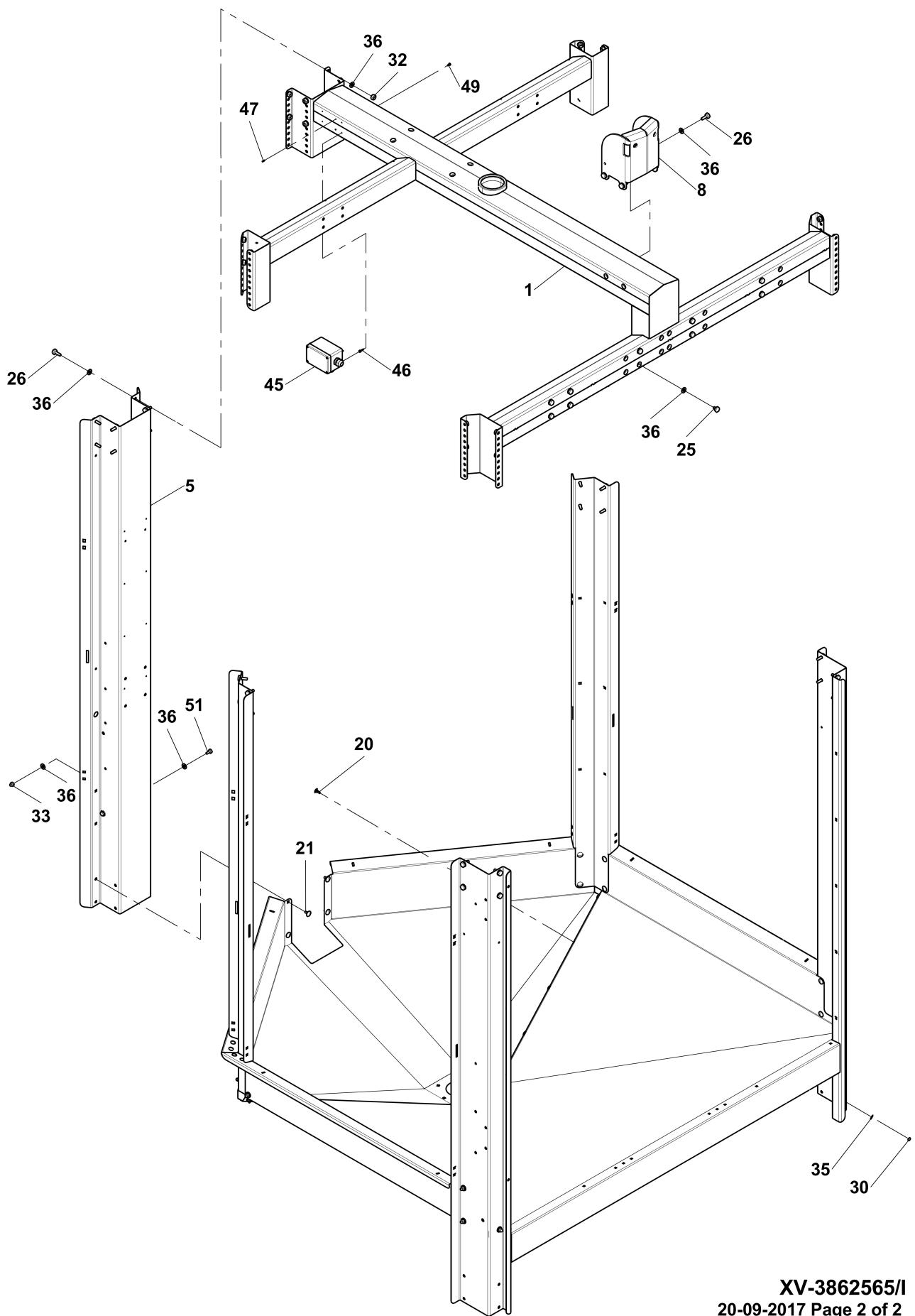
## Table of contents / Index

### Liver harvester

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit ABC</b>	<b>Description</b>	<b>Page</b>
1	L <a href="#">4133799</a>	1		frame	4
13	L <a href="#">4116679</a>	1		guard	6
20	L <a href="#">4080216</a>	1		adjusting leg	8
31	400000049	4		anchor bolt	
41	L <a href="#">3842909</a>	1		discharge	10
50	L <a href="#">4106595</a>	1		carrier wheel	12
55	L <a href="#">4073026</a>	15		lug	14
61	L <a href="#">3876195</a>	1		machine drive pin	16
65	L <a href="#">4106598</a>	1		main shaft	18
85	L <a href="#">4111829</a>	1		overhead turn	20
90	L <a href="#">4106601</a>	1		unit wheel	22
92	L <a href="#">4106604</a>	1		unit wheel	24
96	L <a href="#">4269377</a>	15	B	unit	26
99	L <a href="#">4107711</a>	1		fat removing unit	28
105	L <a href="#">4201713</a>	1		cam	32
111	L <a href="#">4106731</a>	1		cam insert	34
130	L <a href="#">3874611</a>	1		safety	36
140	L <a href="#">4082581</a>	1		height adjustment	38
150	L <a href="#">4106592</a>	1		piping	42
152	L <a href="#">4175784</a>	1		piping	44
154	L <a href="#">4175773</a>	1		nozzle set	46
156	L <a href="#">4093766</a>	1		guide	48
160	L <a href="#">4106608</a>	1		trough	50
171	L <a href="#">4093764</a>	1		plucking finger	52
181	L <a href="#">4113937</a>	1		pull switch	54
185	095900139	1		information label	
190	400001713	1		adaptor	
270	L <a href="#">4050264</a>	1		transport frame	56
271	L <a href="#">4080217</a>	1		guard	58
272	L <a href="#">4696594</a>	1		electrical accessories	60



XV-3862565/I  
20-09-2017 Page 1 of 2



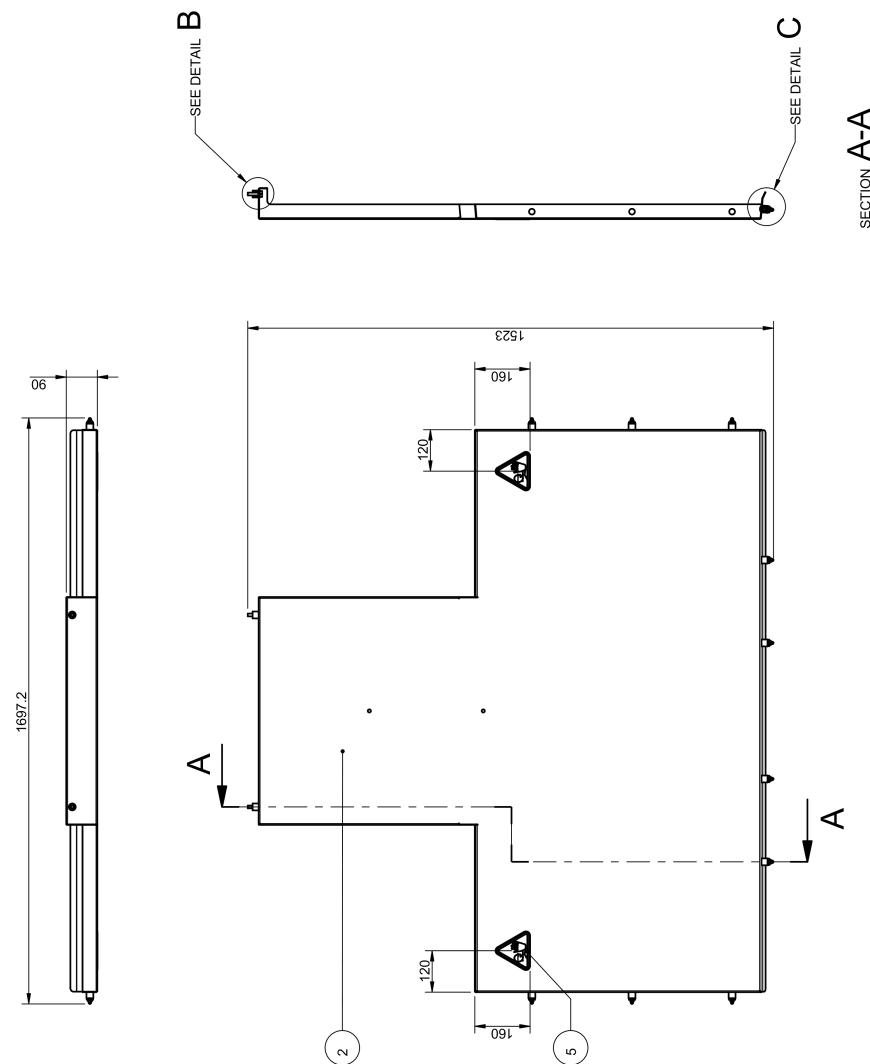
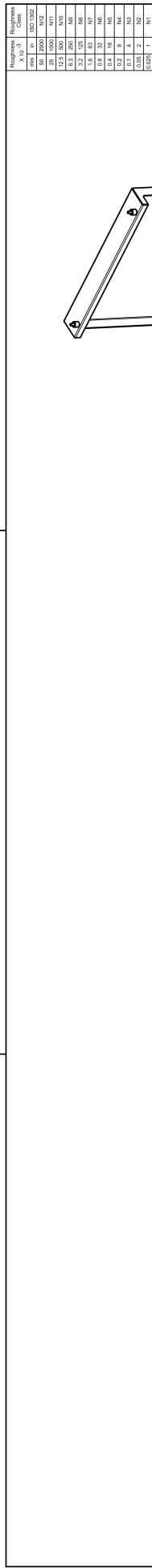
XV-3862565/I  
20-09-2017 Page 2 of 2

*Page left blank intentionally*

**frame**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3855534	1			frame
2	3826144	1			leg
3	3829476	1			leg
4	3829478	2			leg
5	3840285	1			leg
6	3852499	1			collecting bin
7	3852500	1			collecting bin
8	3857755	1			support
9	3866952	1		D	guide block
10	3837090	1			special pin
11	3852428	1			cover plate
14	3866635	2			connecting plate
20	000131201	20			carriage bolt
21	000131299	18			carriage bolt
22	000131224	4			carriage bolt
25	000138234	26			tap bolt
26	000138239	28			tap bolt
30	000163349	12			lock nut
31	000163350	4			lock nut
32	000163351	24			lock nut
33	000207501	20			acorn lock nut
35	000350208	24			flat washer
36	000350209	92			flat washer
38	000207500	8			acorn lock nut
45	3860902	1			terminal box
46	000251683	4			socket cap screw
47	000300704	2			cup point set screw
49	400002175	4			pan head screw
51	000138185	2			tap bolt

21

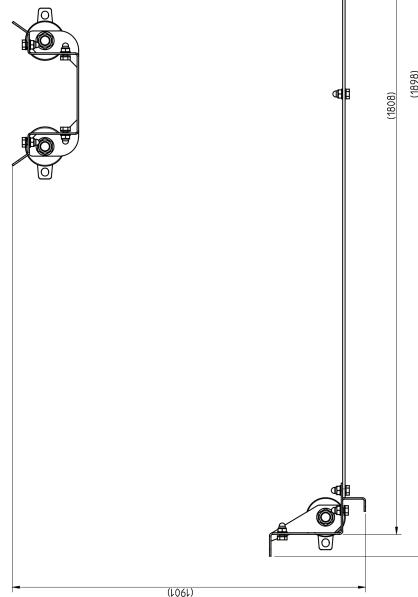
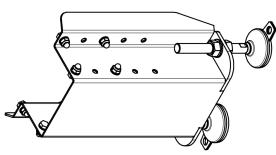


REF. No.	SURFACE FINISH:	GUARD	DETAIL	MM
		CONFIDENTIAL	ALL DIMENSIONS SPECIFIED IN ALIAS ID	MM
		STORK® Meat Processing Equipment B.V. P.O. Box 3 3800 AK Borne The Netherlands Phone: +31 (0) 385-980-111 Fax: +31 (0) 385-980-222	DRAWING AND MANUFACTURE ACCORDING TO THIS DRAWING NOT TO SCALE A2 1:10 ACCORD	4116680 B DATE dd/mm/yyyy Drawing 16680 SHEET NO. 1 Of 1
				20

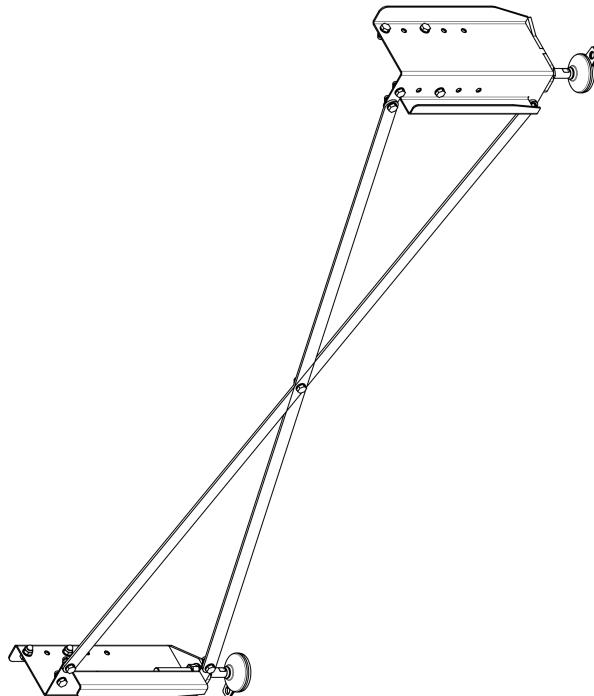
**guard**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3816413	12			bushing
2	4116780	1			guard
5	001070011	2		E	warning plate
10	000131204	10			carriage bolt
11	000138243	2			tap bolt
15	000207500	10			acorn lock nut
20	000351441	10			flat washer
21	000350209	2			flat washer

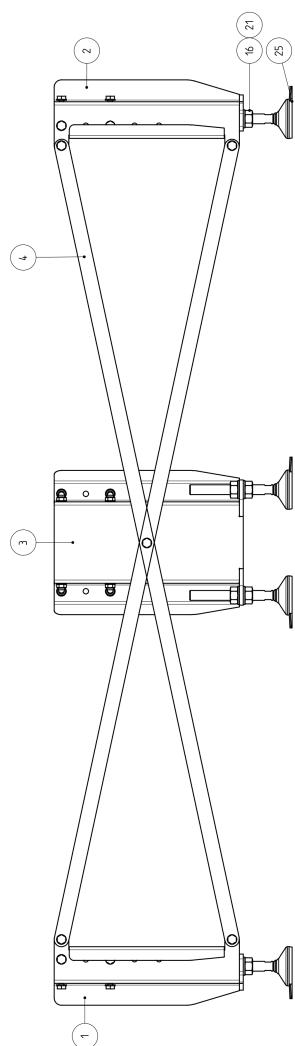
21



32



REF. NO. 305454	STOKE LEG ADJUSTING-	DATE 20/24	TOPO. ANGLE 2001.
			ALL DIMENSIONS SPECIFIED IN MM. DRAWINGS NOT TO SCALE. NOTES AND CONDITIONS ON SEPARATE SHEET.
			STOKE LTD. DATE 20/24-2011 ACCREDITED
			4080219
			Drawing Reference (24) Date Stamp Change (24) Drawing No. 4080219 Date 23-10-2019

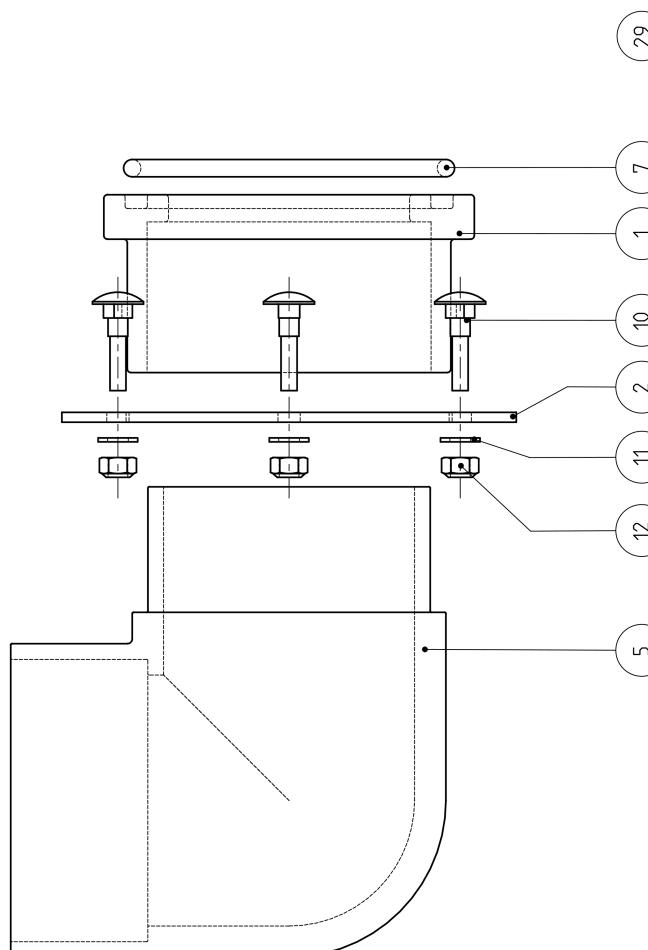
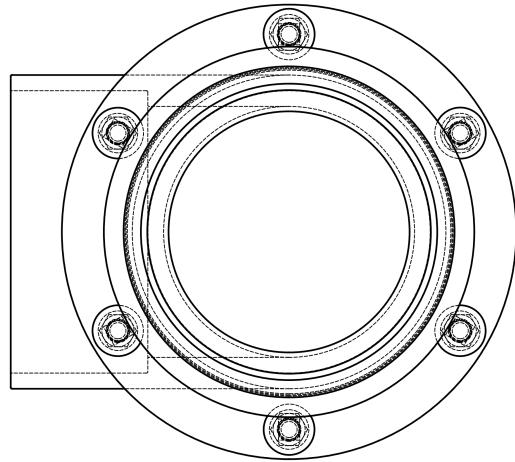


33

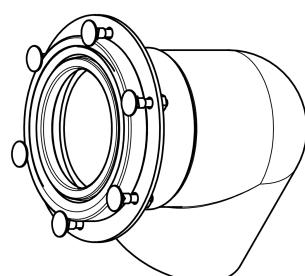
## adjusting leg

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3829889	1			leg
2	3830760	1			leg
3	3840337	1			leg
4	3856165	2			terminal jumper bar
11	000138239	21			tap bolt
15	000207502	21			acorn lock nut
16	000185076	8			nut
20	000350209	42			flat washer
21	000350214	8			flat washer
25	400002352	4			adjusting leg

Roughness Class	Roughness X 10 <sup>-3</sup>	mm	in	ISO 1302
N2	50	2000		
M1	25	1000		
M0	12.5	500		
N1	6.3	250		
N2	3.2	125		0.08
N3	1.6	63		0.07
N6	0.8	32		0.04
N8	0.4	16		0.03
N4	0.2	8		0.02
N3	0.1	4		0.015
N2	0.05	2		0.01
N1	0.025	1		0.005



SUPPLY ITEMS #5 AND #29 SEPARATELY.

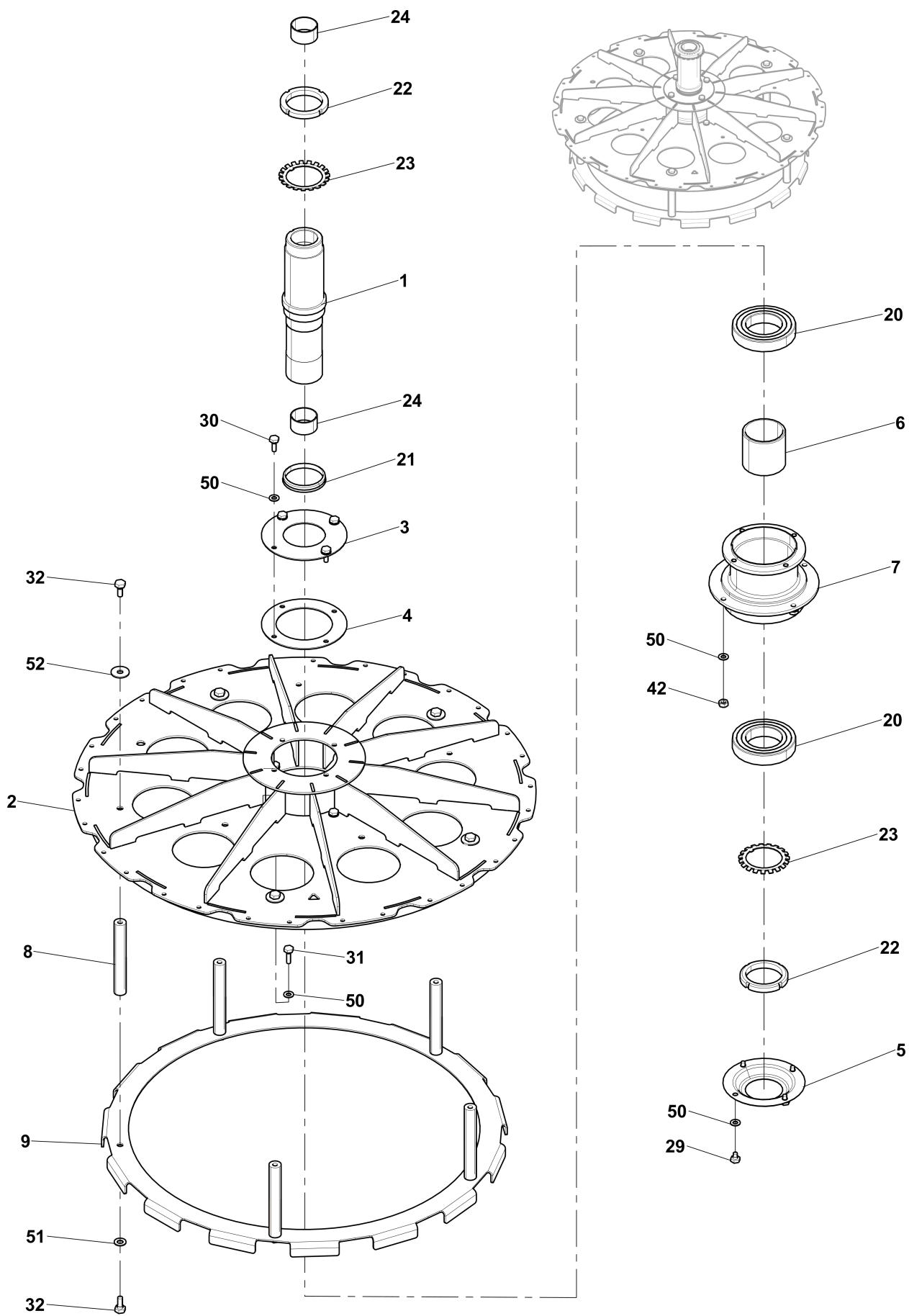


SCALE 1:4

REF. NO:		SURFACE FINISH:		THIRD ANGLE PROJ.		ALL DIMENSIONS SPECIFIED IN MM. DRAWING AND MANUFACTURE ACCORDING STORK TS STANDARD	
<b>DISCHARGE</b>							
D114		A3		SCALE:	1:2	DATE (dd-mm-yy):	22.04.2008 C-W ARE
AFVOER		3842910 B		ACCORD:	HETTERSCHEID		
<b>STORK®</b>		This drawing remains property of Stork PMT B.V., Stork PMT B.V., no. 1635099, 's-Hertogenbosch, and may not be copied or reproduced in whatever form without the prior written consent of Stork PMT B.V.. Further this drawing may not be disclosed or given to any other party for information or use without prior written consent of Stork PMT B.V..		Drawing is Released (230) Date Status/Change 26.07.2012		SHEET NO: 1 OF 1	
B	ADDED BALLOON #29 - ADDED NOTE: SUPPLY ITEMS #5 AND #29 SEPARATELY.	T_GLOVER	25.07.2012	C_W ARE	14.05.2009	NAME	DATE (dd-mm-yy)
A	UPDATED BALLOON: PS DELETED; PS CHANGED						
REV.	P05;	MODIFICATION DESCRIPTION	ACCORD				

## discharge

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3815522	1			flange bushing
2	631885	1			disc
5	3862570	1			elbow
7	090350802	1			O-ring
10	000131225	6			carriage bolt
11	000350208	6			flat washer
12	000163350	6			lock nut
29	091450305	1			glue

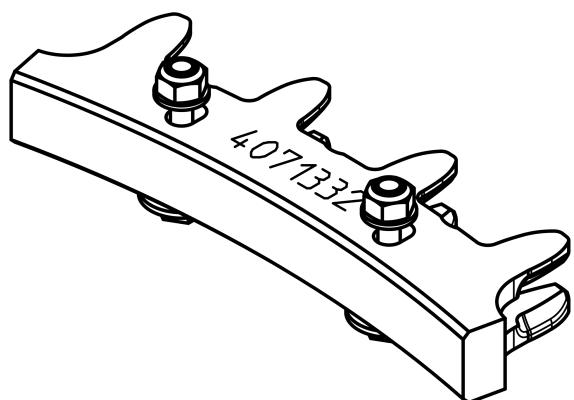
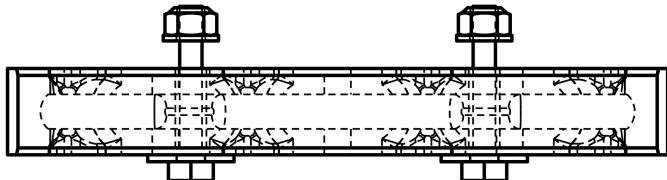


XV-4106596/B  
09-02-2017

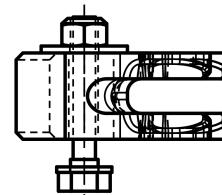
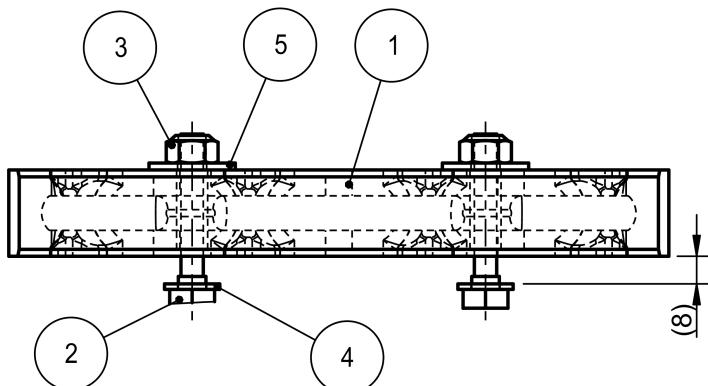
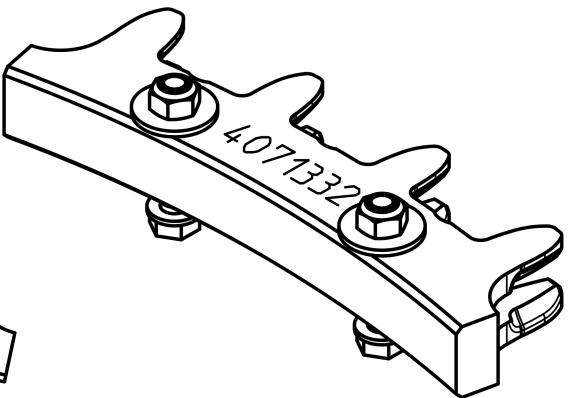
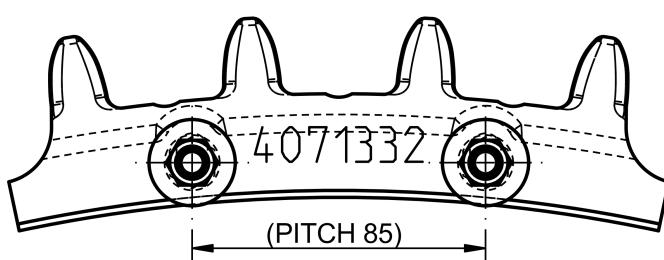
## **carrier wheel**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3828737	1			special bushing
2	4102914	1			carrier wheel
3	3836752	1		E	cover plate
4	3836753	1			cover plate
5	4054443	1			cover plate
6	3836755	1			bushing
7	3875507	1			bearing race
8	3945529	5			special shaft
9	4106760	1			unit wheel
20	003431824	2		D	ball groove bearing
21	002230031	1		D	V ring seal
22	080243015	2		D	slotted nut
23	080383015	2		D	nut lock washer
24	400009745	2		E	bearing sleeve
29	000138234	4			tap bolt
30	000138239	4			tap bolt
31	000138241	4			tap bolt
32	000138289	10			tap bolt
42	000163351	4			lock nut
50	000350209	16			flat washer
51	000350210	5			flat washer
52	000351444	5			flat washer

REV.	MODIFICATION DESCRIPTION	NAME	DATE (dd-mm-yy)	ACCORD
A	SUBTITLE WAS Z=18.....	H_VERSTEGEN	25.11.2013	



TEETH BELOW FLANGE



REF. No: 4071799 SURFACE FINISH:

## LUG

Z=15 T=8" RS PI.85

CONFIDENTIAL



ALL DIMENSIONS  
SPECIFIED IN:

MM

ALIAS ID:

DRAWING AND  
MANUFACTURE  
ACCORDING TO  
T1 STANDARD.

SIZE:  
A4

SCALE:  
1:2

DRAWN BY:  
H\_VERSTEGEN

ACCORD:

DATE (dd-mm-yyyy):  
27.09.2011

SHEET NO:  
1 OF 1

**STORK®**  
**POULTRY PROCESSING**  
Marel Stork Poultry Processing B.V.  
Handelstraat 3, 5831 AV Boxmeer  
P.O. Box 118, 5830 AC Boxmeer  
The Netherlands  
Telephone +31 (0) 485-586221  
Fax +31 (0) 485-586222

THIS DRAWING REMAINS PROPERTY OF  
MAREL STORK POULTRY PROCESSING B.V.,  
TRADE REGISTER NO. 16035099, 's-HERTOGENBOSCH, AND MAY NOT  
BE COPIED OR REPRODUCED IN WHATEVER FORM WITHOUT PRIOR  
WRITTEN CONSENT OF MAREL STORK POULTRY PROCESSING B.V..  
FURTHER THIS DRAWING MAY NOT BE DISCLOSED OR GIVEN  
TO ANY OTHER PARTY FOR INFORMATION OR USE WITHOUT PRIOR  
WRITTEN CONSENT OF MAREL STORK POULTRY PROCESSING B.V..  
© MAREL STORK POULTRY PROCESSING B.V. 2010  
ALL RIGHTS RESERVED WORLDWIDE

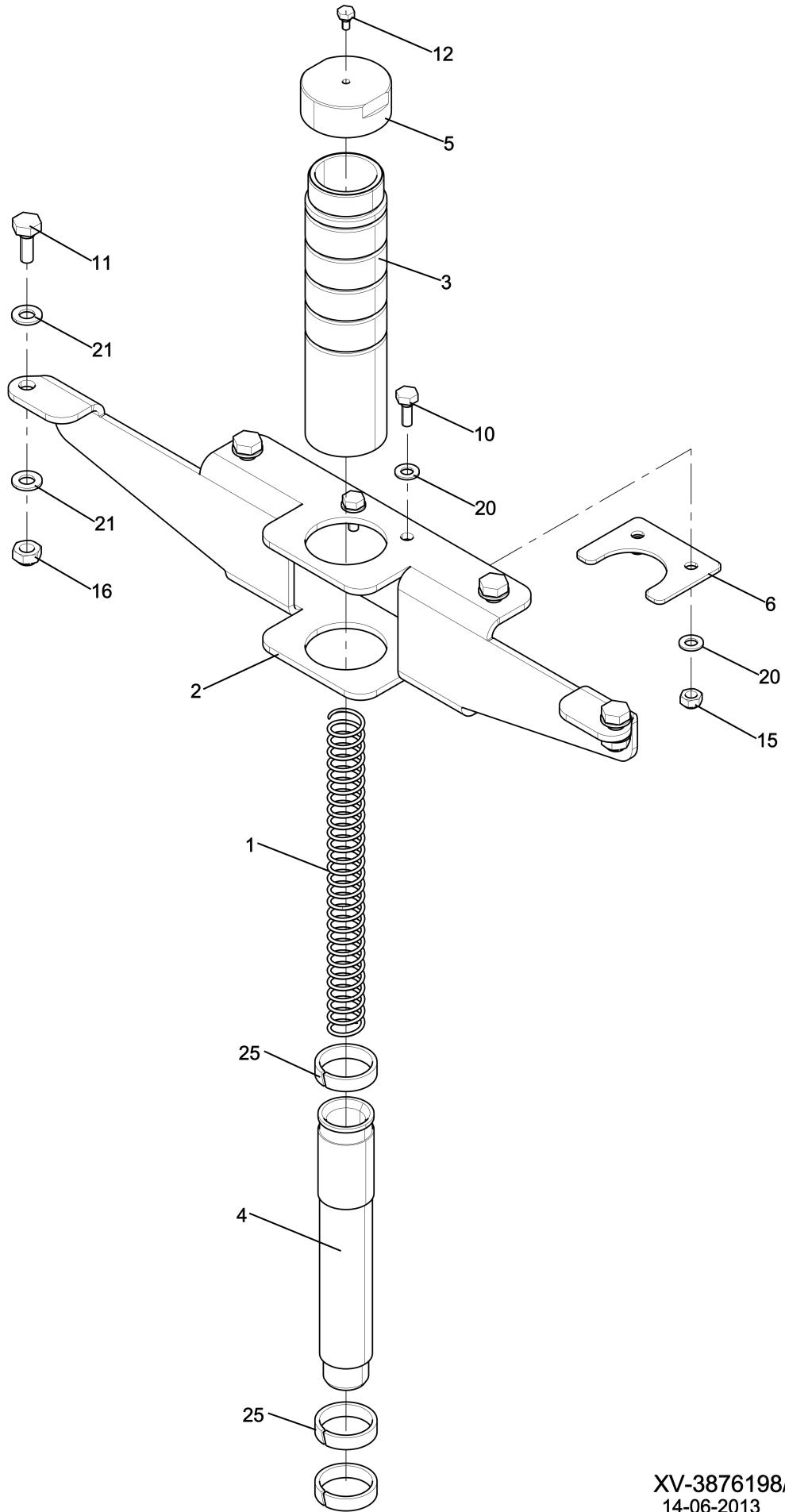
4073027

A

Drawing is Released (230)  
Date StatusChange 27.11.2013

**lug**

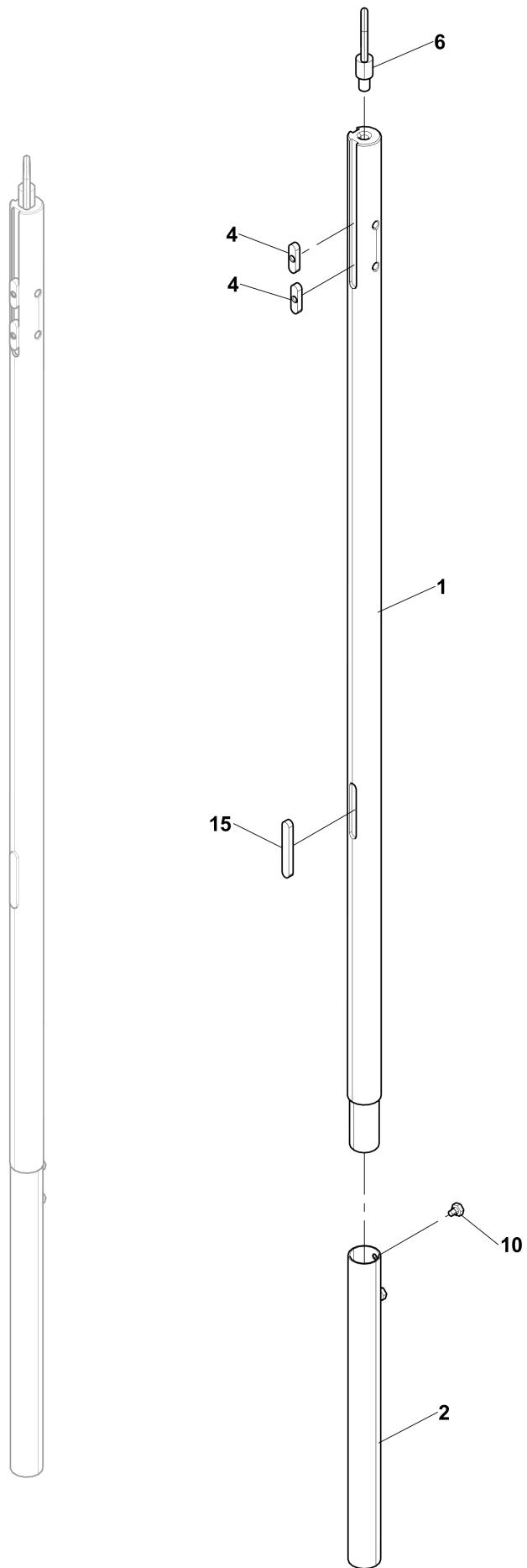
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4071332	1		E	lug
2	000138197	2			tap bolt
3	000163350	2		E	lock nut
4	000350208	2			flat washer
5	000351442	2			flat washer



XV-3876198/B  
14-06-2013

## machine drive pin

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3878896	1		BE	compression spring
2	3876199	1			support
3	3876197	1			pipe
4	3876196	1			machine drive pin
5	3847218	1			seal cap
6	3849532	1			plate
10	000138187	2			tap bolt
11	000138239	4			tap bolt
12	000138133	1			tap bolt
15	000163350	2		D	lock nut
16	000163351	4			lock nut
20	000350208	4			flat washer
21	000350209	8			flat washer
25	090350846	3		D	bearing sleeve

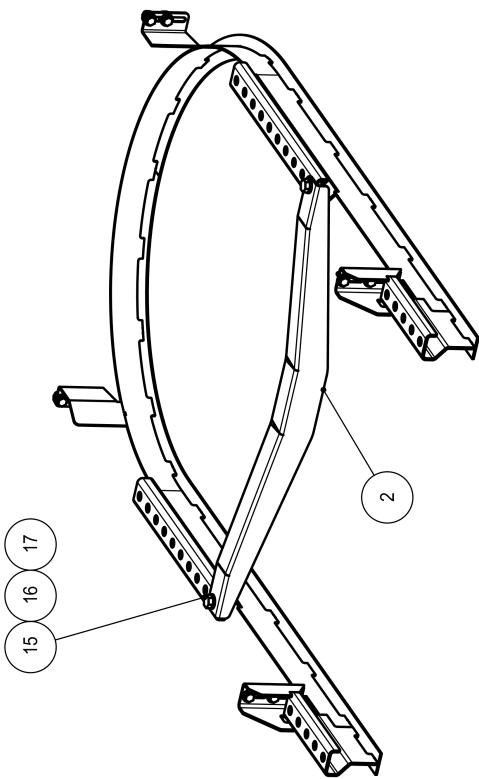
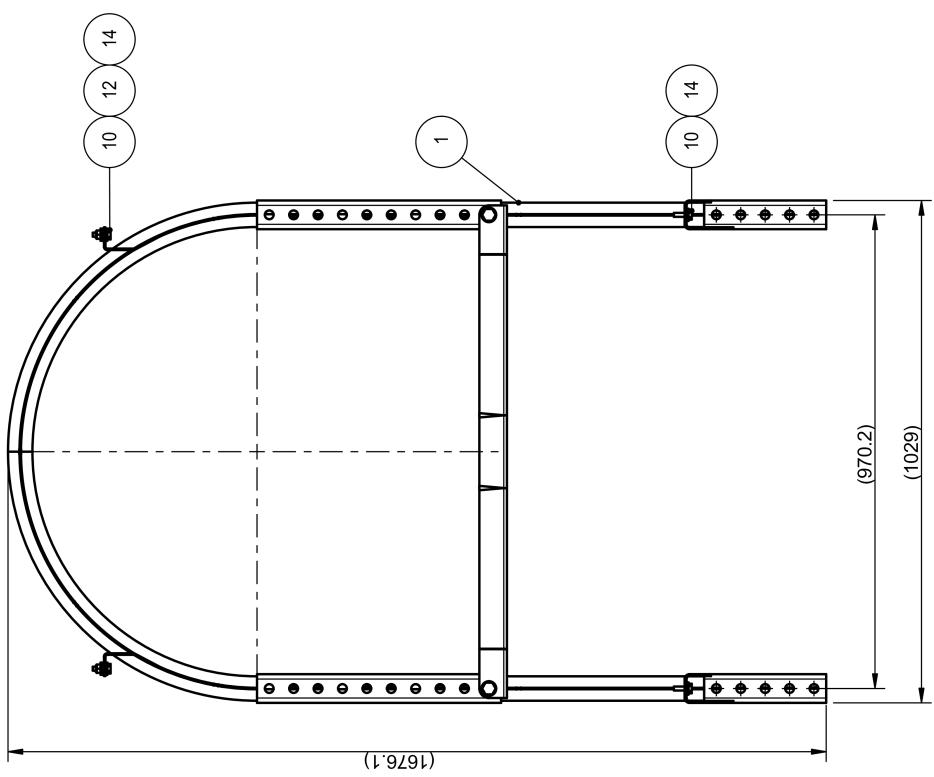


XV-4106599/-  
25-02-2016

**main shaft**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4106600	1			shaft
2	3863271	1			welded pipe
4	3839565	2		D	round ends key
6	3986604	1			lifting eye bolt
10	000138234	2			tap bolt
15	000502490	1		D	round ends key

Roughness Class	Roughness X 10 <sup>-3</sup>	mm	in	ISO 1302
N12	50	2000		
N11	25	1000		
N10	12.5	500		
N9	6.3	250		
N8	3.2	125		
N7	1.6	63		
N6	0.8	32		
N5	0.4	16		
N4	0.2	8		
N3	0.1	4		
N2	0.05	2		
N1	0.025	1		



# OVERHEAD TUR

REF. No: 3861017 SURFACE FINISH:

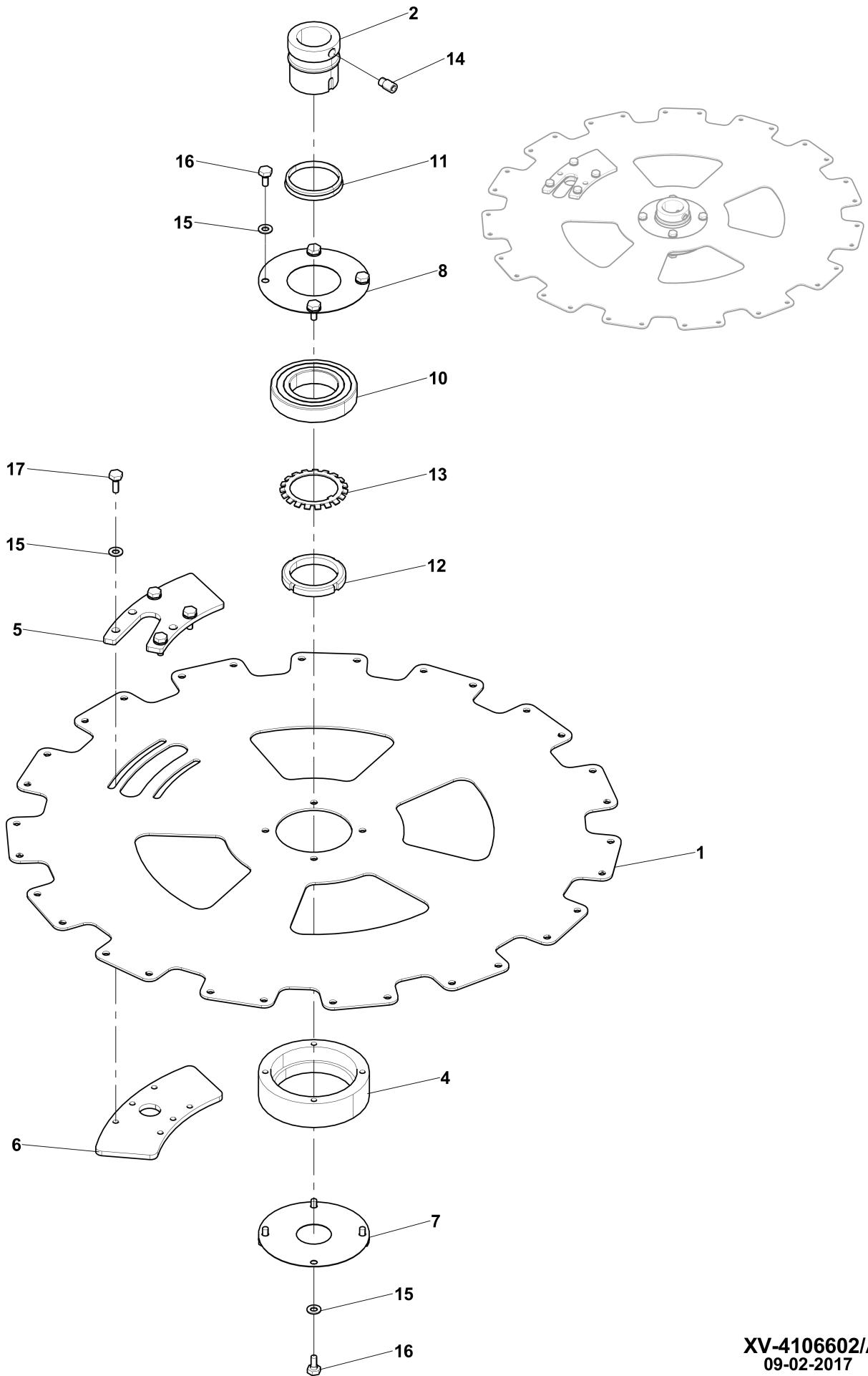
REF. No.:	3861017	SURFACE FINISH:	OVERHEAD TURN	
<b>STORK®</b> <b>POLYU PROCESSING</b>		CONFIDENTIAL	  ALL DIMENSIONS SPECIFIED IN ALIAS ID: <b>4111830</b> <b>A</b>	
		DRAWING AND MANUFACTURE ACCORDING TO TI STANDARD.	SIZE: <b>A3</b>	SCALE: <b>1:10</b>
		DRAWN BY: <b>J.HEYLERS</b>	ACCORD. <b>14.03.2013</b>	
			DATE (dd-mm-yy) SHEET NO. <b>1 OF 1</b>	
			Drawing is Released (230)	
			Date StatusChange 11.06.2015	
			Date StatusChange 11.06.2015	
<p>This drawing remains property of Marel Stork Poultry Processing B.V. Beeldstraat 3, 5631 AV Boxtel The Netherlands</p> <p>Marel Stork Poultry Processing B.V. Handstraat 3, 5631 AV Boxtel The Netherlands</p> <p>Telephone: +31 (0) 485-586111 Fax: +31 (0) 485-586222</p> <p>© Marel Stork Poultry Processing B.V. 2010 All rights reserved worldwide</p>				

Drawing number 4111830  
23-10-2019

Page 19

## **overhead turn**

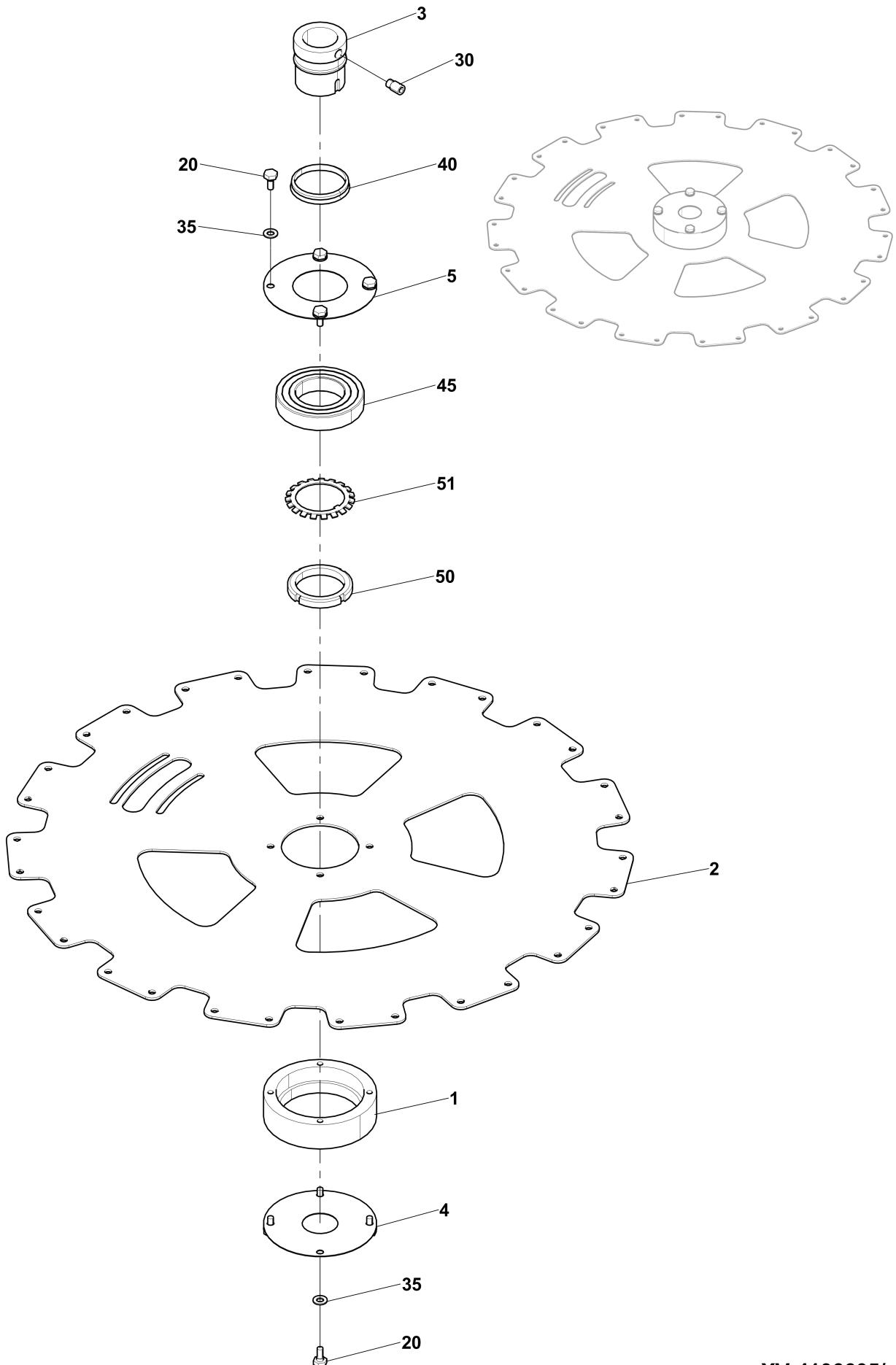
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4111831	1			overhead turn
2	4238238	1			support
10	000138241	8			tap bolt
12	000163351	4			lock nut
14	000351156	12			flat washer
15	000138393	2			tap bolt
16	000163354	2			lock nut
17	000350212	4			flat washer



XV-4106602/A  
09-02-2017

**unit wheel**

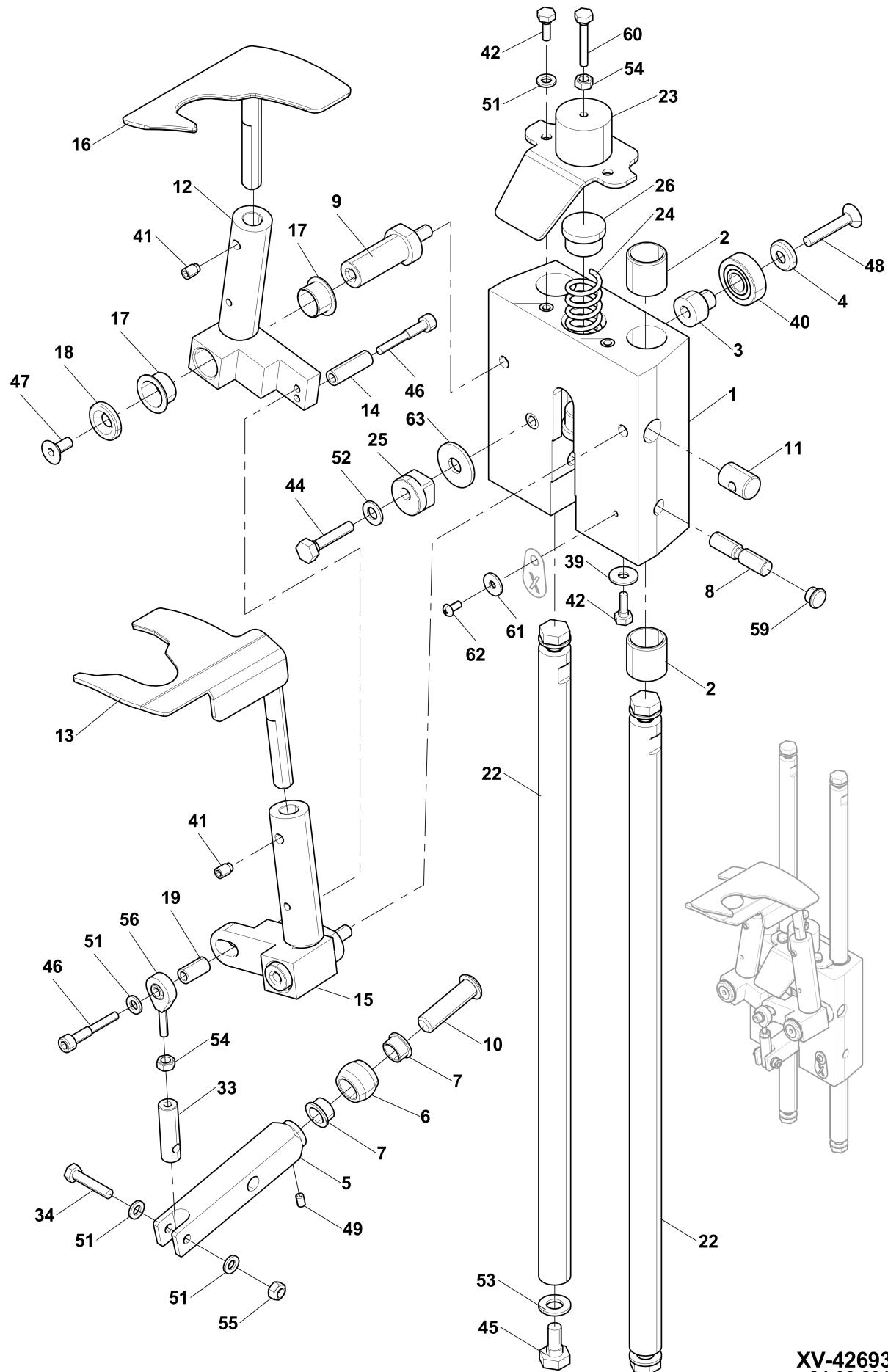
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4106603	1			unit wheel
2	3858061	1			bearing sleeve
4	3835290	1			bearing housing
5	3934876	1			plate
6	3934877	1			plate
7	3835373	1			plate
8	3853596	1		E	cover plate
10	003431773	1		D	ball groove bearing
11	002230030	1		D	V ring seal
12	080243014	1		D	slotted nut
13	080383014	1		D	nut lock washer
14	000302795	1		D	dog point set screw
15	000350209	12			flat washer
16	000138237	8			tap bolt
17	000138239	4			tap bolt



XV-4106605/-  
09-02-2017

**unit wheel**

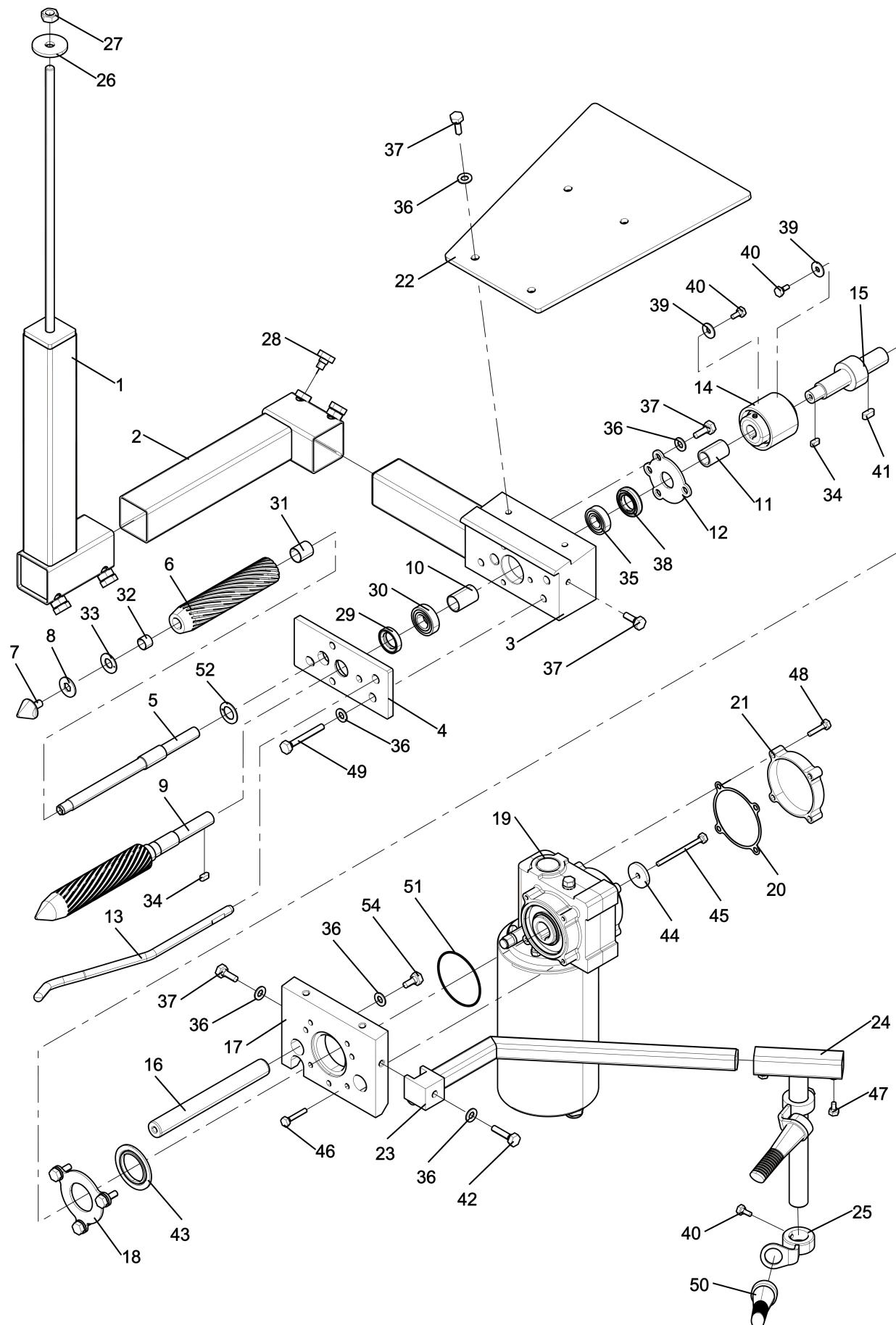
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3835290	1			bearing housing
2	4106603	1			unit wheel
3	3858061	1			bearing sleeve
4	3835373	1			plate
5	3853596	1		E	cover plate
20	000138237	8			tap bolt
30	000302795	1		D	dog point set screw
35	000350209	8			flat washer
40	002230030	1		D	V ring seal
45	003431773	1		D	ball groove bearing
50	080243014	1		D	slotted nut
51	080383014	1		D	nut lock washer



XV-4269376/-  
24-06-2016

**unit**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3905101	1		E	block
2	531393	4		C	bearing sleeve
3	646754	1			flange bushing
4	3993975	1		E	counter bore ring
5	660953	1			lever
6	552457	1		D	cam roller
7	552458	2		D	bearing flange sleeve
8	448182	1		E	special plug
9	4209676	2		E	journal
10	542471	1		D	pin
11	646785	2			special plug
12	4209476	1			arm
13	3972004	1			scraper
14	653042	1		E	bushing
15	4209477	1		E	arm
16	3972005	1			scraper
17	400008297	4		D	bearing flange sleeve
18	555717	2			counter bore ring
19	646750	1		C	bushing
22	3948269	2		E	shaft
23	3950417	1			support
24	646991	1		BD	compression spring
25	646791	1			eccentric
26	646980	2			special plug
33	653348	1			special plug
34	660438	1			bolt
39	000351441	2			flat washer
40	090100263	1		BC	crowned ball bearing
41	000302764	2		BE	dog point set screw
42	000138135	4			tap bolt
44	000138193	1		D	tap bolt
45	000138237	4			tap bolt
46	000251708	2		E	socket cap screw
47	000254359	2		D	socket cap flat head screw
48	000254364	1		C	socket cap flat head screw
49	000300743	2		D	cup point set screw
51	000350207	4			flat washer
52	000350208	1			flat washer
53	000350209	4			flat washer
54	000185069	2			nut
55	000163349	1		E	lock nut
56	090100641	1		D	ball joint rod end
59	000633318	2		E	pipe stopper
60	000138143	1			tap bolt
61	000351440	1			flat washer
62	000316514	1			selftap button screw
63	000351443	1			flat washer



XV-4107712/-  
24-12-2013

## fat removing unit

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3876807	1			support
2	3876819	1			support
3	4072096	1			frame
4	4072063	1			base plate
5	4063139	1		E	shaft
6	3899028	1		D	pinion
7	3856121	1			cone
8	3899203	1			special ring
9	4063140	1		D	pinion
10	4063508	1			bushing
11	4063224	1			bushing
12	4063364	1			closing plate
13	4072202	1			guide
14	4063464	1		BE	coupling
15	4063220	1			journal
16	4063651	2			round rod
17	4063522	1			flange
18	4063968	1			ring
19	4083808	1		B	electrical placeholder
20	3896332	1		D	ring seal
21	3896328	1			bearing cover
22	3879864	1			special plate
23	4109093	1			support
24	3876815	1			support
25	3876812	2			special clamp
26	000934105	1			flat washer
27	000185071	2			nut
28	000138235	4			tap bolt
29	090350626	1		C	ring seal
30	090101128	1		C	ball groove bearing
31	090100271	1		D	bearing sleeve
32	4097983	1		D	bearing sleeve
33	400002518	1		C	ring
34	000502369	2		D	round ends key
35	090101167	1		C	ball groove bearing
36	000350208	19			flat washer
37	000138187	13			tap bolt
38	002234487	1		C	ring seal
39	000351441	2			flat washer
40	000138134	4			tap bolt
41	000502390	1		D	round ends key
42	000138193	1			tap bolt
43	090350751	1		D	ring seal
44	000934103	1			flat washer
45	000138157	1			tap bolt
46	000138141	4			tap bolt
47	000138133	2			tap bolt
48	000138139	4			tap bolt
49	000138197	2			tap bolt
50	090450652	2		A	plucking finger

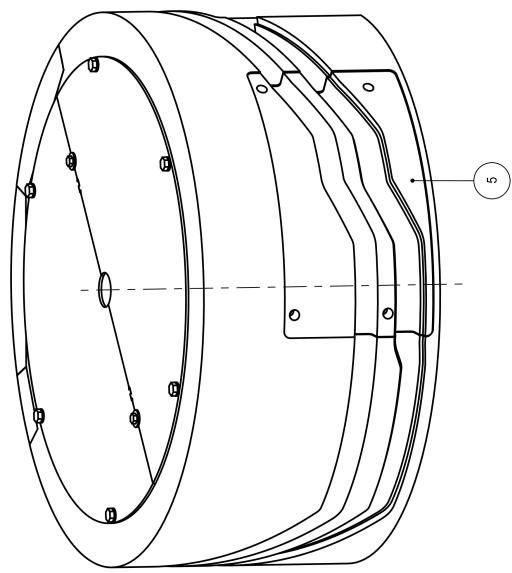
*Page left blank intentionally*

## **fat removing unit**

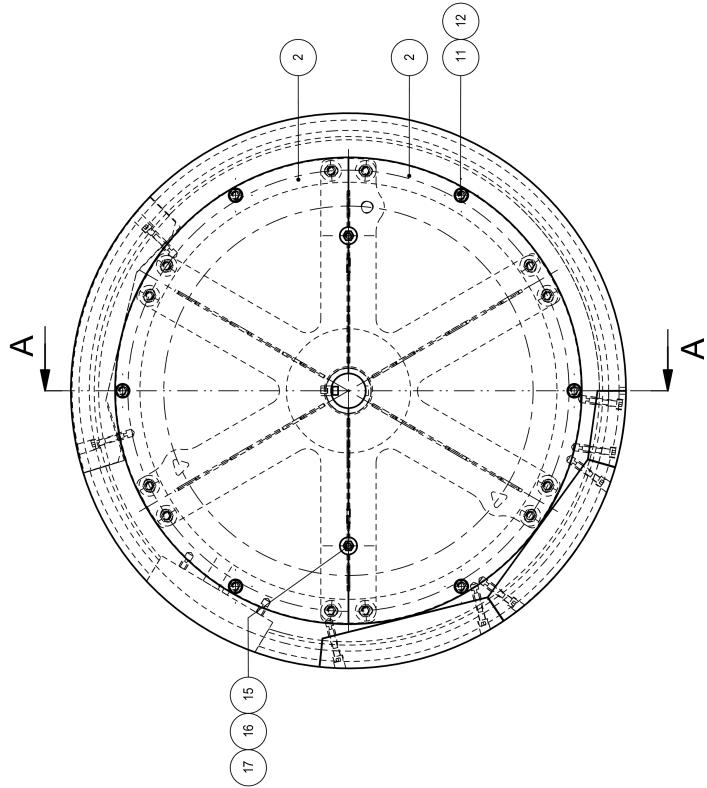
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
51	400003282	1		C	O-ring
52	4107871	1		D	ring
54	000138185	5			tap bolt
55	000350207	4			flat washer

21

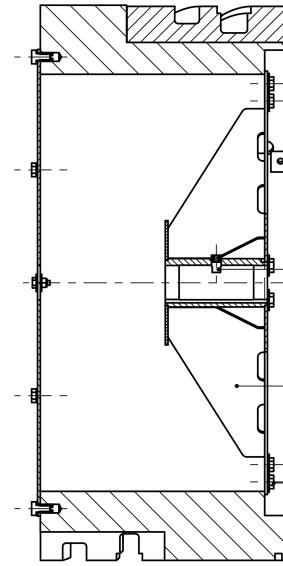
C



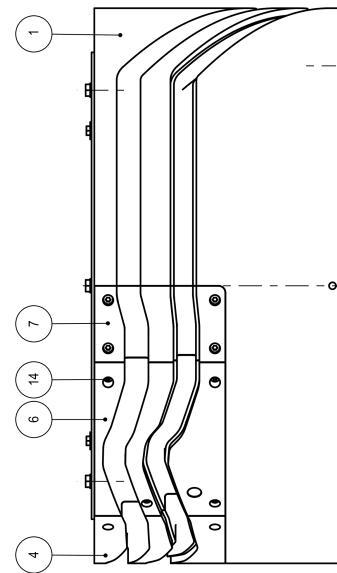
32



B



SECTION A-A



ZERO REFERENCE POINT IN LINE WITH KEYWAY.

A

REF. NO. 4107389		SURFACE FINISH:	ALL DIMENSIONS SPECIFIED IN MM	
CAM	R		ALIAS ID	
CONFIDENTIAL				
STORK	Meat Stork Processing B.V. Meat Stork Processing B.V. P.O. Box 3 - 3800 CA Borne The Netherlands Phone: +31 58 580 11 Fax: +31 58 580 22	THE DRAWINGS REAINED PROPERTY OF MEAT STORK PROCESSING B.V. NOTICE: THIS DRAWING IS THE PROPERTY OF MEAT STORK PROCESSING B.V. IT IS TO BE MAINTAINED AS CONFIDENTIAL AND NOT COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE DRAWING NUMBER AND THE SIGNATURE OF THE DRAWING CHECKER AND THE APPROVAL OF THE DRAWING MANAGER. THE DRAWING MAY NOT BE USED FOR ANY OTHER PURPOSE UNLESS AUTHORIZED BY MEAT STORK PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V.	DRAWING AND MANUFACTURE ACCORDING TO THIS DRAWING	DRAWN BY: R. WILSON ACCORD:
			A2	1:5
			DATE DRAWN/RELEASED: 24/11/2014	DATE MODIFIED: 24/11/2014
			REF. NO. 4201722	SHEET NO. 1 OF 1

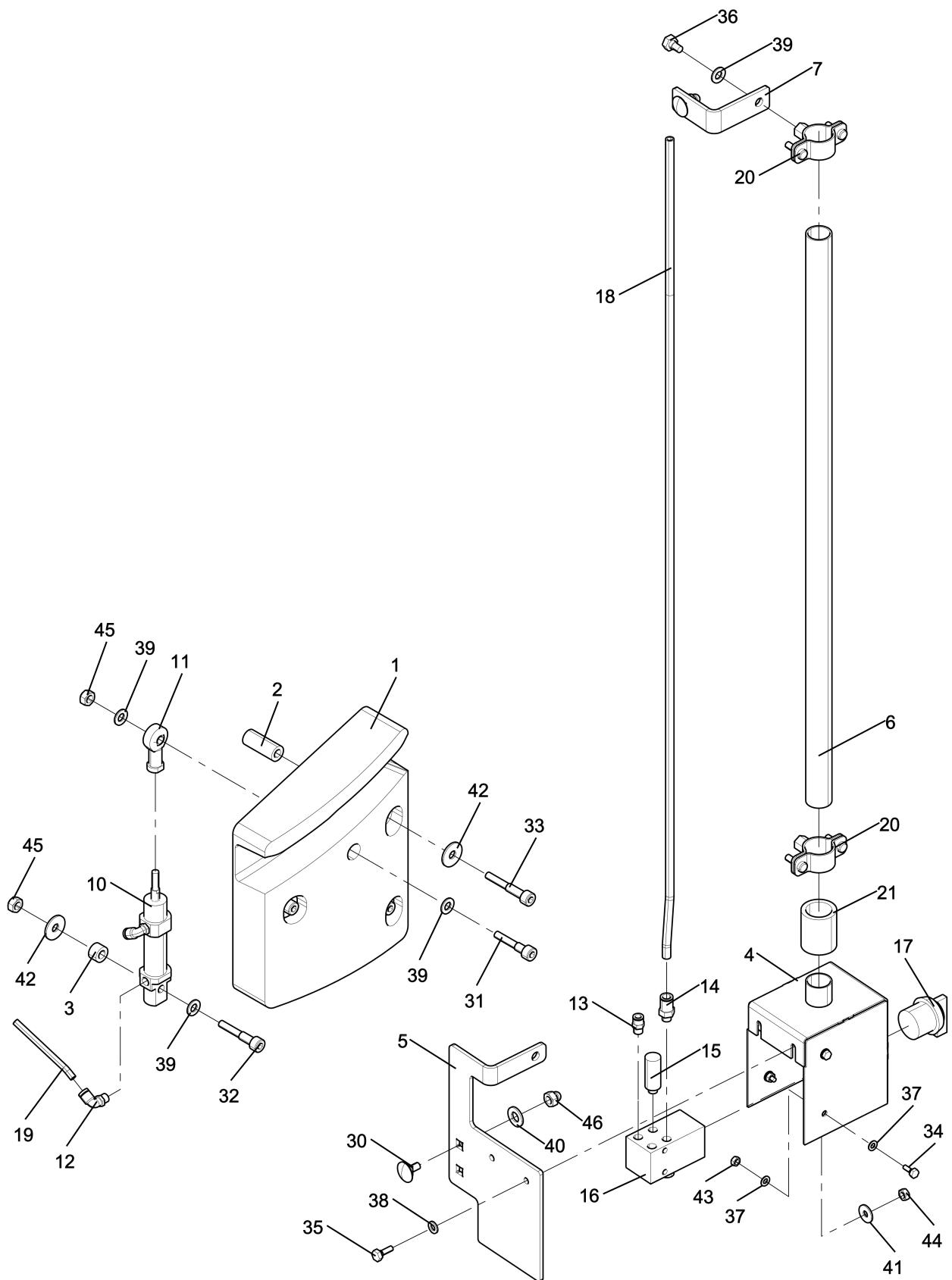
REF. NO. 4107389	SURFACE FINISH:	ALL DIMENSIONS SPECIFIED IN MM	
CAM	R	ALIAS ID	
CONFIDENTIAL			
STORK	Meat Stork Processing B.V. Meat Stork Processing B.V. P.O. Box 3 - 3800 CA Borne The Netherlands Phone: +31 58 580 11 Fax: +31 58 580 22	THE DRAWINGS REAINED PROPERTY OF MEAT STORK PROCESSING B.V. NOTICE: THIS DRAWING IS THE PROPERTY OF MEAT STORK PROCESSING B.V. IT IS TO BE MAINTAINED AS CONFIDENTIAL AND NOT COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE DRAWING NUMBER AND THE SIGNATURE OF THE DRAWING CHECKER AND THE APPROVAL OF THE DRAWING MANAGER. THE DRAWING MAY NOT BE USED FOR ANY OTHER PURPOSE UNLESS AUTHORIZED BY MEAT STORK PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V. STORK MEAT STORK POLYTRON PROCESSING B.V.	DRAWING AND MANUFACTURE ACCORDING TO THIS DRAWING
		A2	DRAWN BY: R. WILSON ACCORD:
		1:5	DATE DRAWN/RELEASED: 24/11/2014
			SHEET NO. 1 OF 1

21

32

**cam**

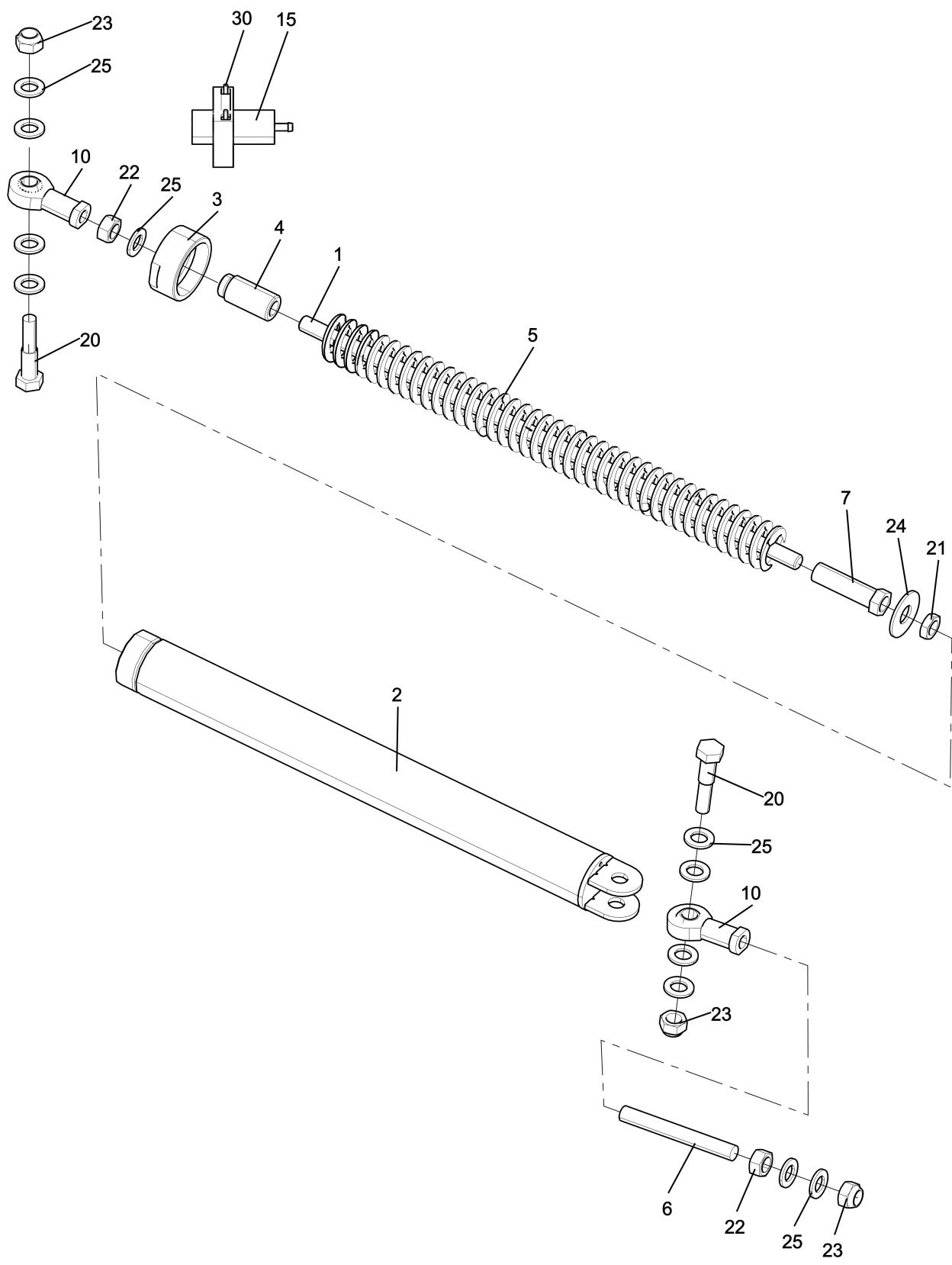
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4201715	1		E	cam
2	4130597	2			plate
3	4106613	1			cam holder
4	4201716	1		E	cam insert
5	4052077	1		E	cam insert
6	4201718	1		E	cam insert
7	4201875	1		E	cam insert
10	000302795	1			dog point set screw
11	000138237	18			tap bolt
12	000350209	6			flat washer
13	000351443	12			flat washer
14	000251718	16			socket cap screw
15	000138187	2			tap bolt
16	000163350	2			lock nut
17	000351442	7			flat washer



XV-4106732/-  
16-07-2013

## cam insert

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4052083	1		E	cam insert
2	3918805	3			bushing
3	563095	1			bushing
4	4082139	1			box
5	4082335	1			mounting
6	090261003	1	680 MM		pipe
7	4082336	1			mounting
10	090255922	1		BD	air cylinder
11	090100644	1		BD	ball joint rod end
12	002330874	2		BE	male elbow connector
13	002330904	2		BE	male straight connector
14	002330906	1		BE	male straight connector
15	090255314	1		E	silencer
16	090255076	1		B	valve
17	091400139	1		B	dial
18	004171008	1	2000 MM	E	pneumatic hose
19	004171006	1	9000 MM	E	pneumatic hose
20	002803540	2			pipe support bracket
21	090261270	1			straight pipe coupling
30	000131222	3			carriage bolt
31	000251718	1			socket cap screw
32	000251719	1			socket cap screw
33	000251720	3			socket cap screw
34	000138104	4			tap bolt
35	000138135	2			tap bolt
36	000138184	2			tap bolt
37	000350206	8			flat washer
38	000350207	2			flat washer
39	000350208	5			flat washer
40	000350209	3			flat washer
41	000351441	2			flat washer
42	000351442	4			flat washer
43	000185068	4			nut
44	000185069	2			nut
45	000163350	2			lock nut
46	000207501	3			acorn lock nut
47	4129311	1			support
48	002330763	1			union tee connector

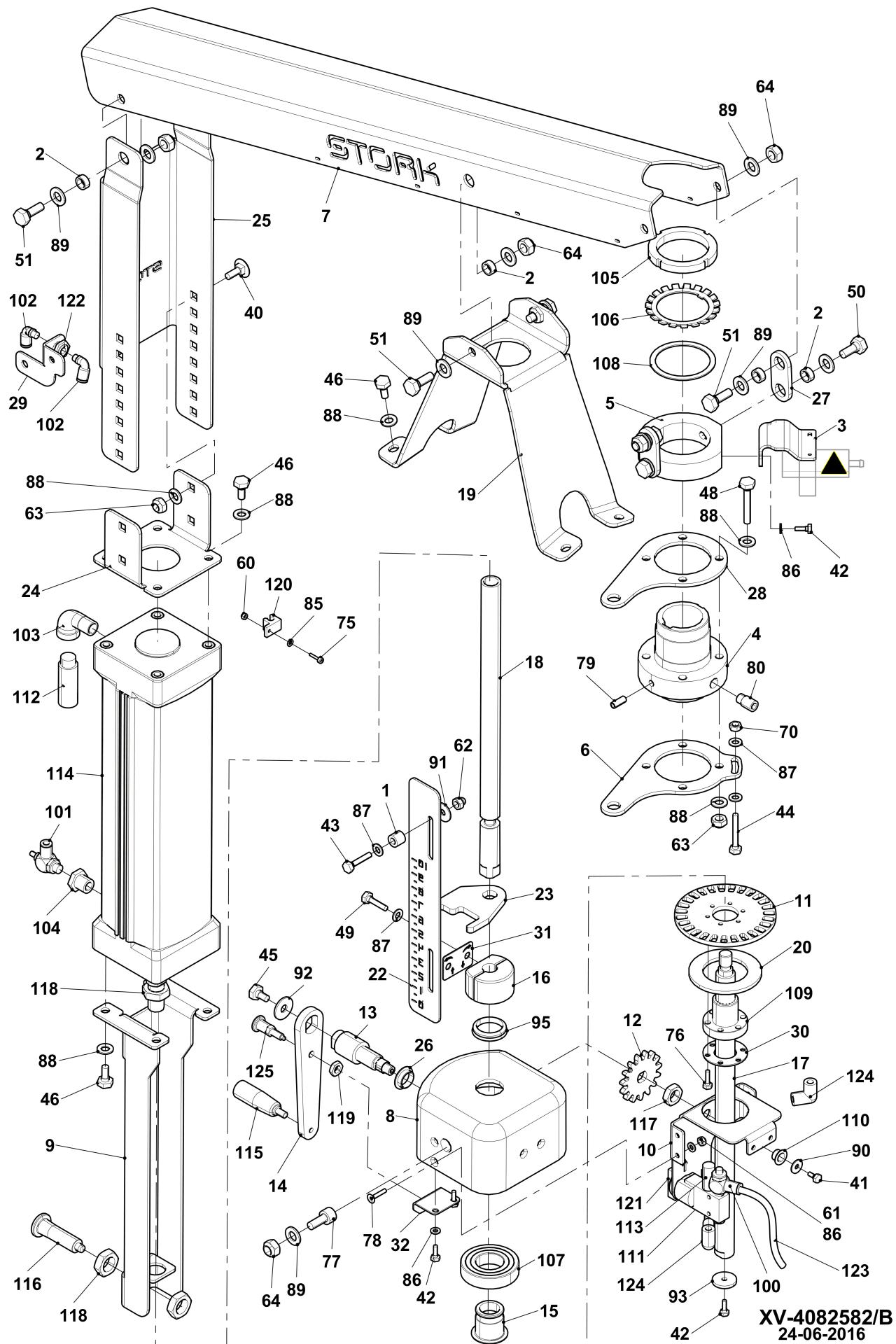


XV-3874612/B

22-06-2010

## safety

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3851535	1			special threaded rod
2	3851536	1			spring housing
3	3851537	1			threaded insert
4	3852524	1		E	threaded bushing
5	3874617	1		BE	compression spring
6	504109	1		D	threaded rod
7	3874462	1			special nut
10	090100651	2		D	ball joint rod end
15	095915104	1		B	proximity sensor
20	9536155	2			bolt
21	090600084	2			nut
22	000185074	2			nut
23	000163354	3		D	lock nut
24	4785221	1			ring
25	000350212	11			flat washer



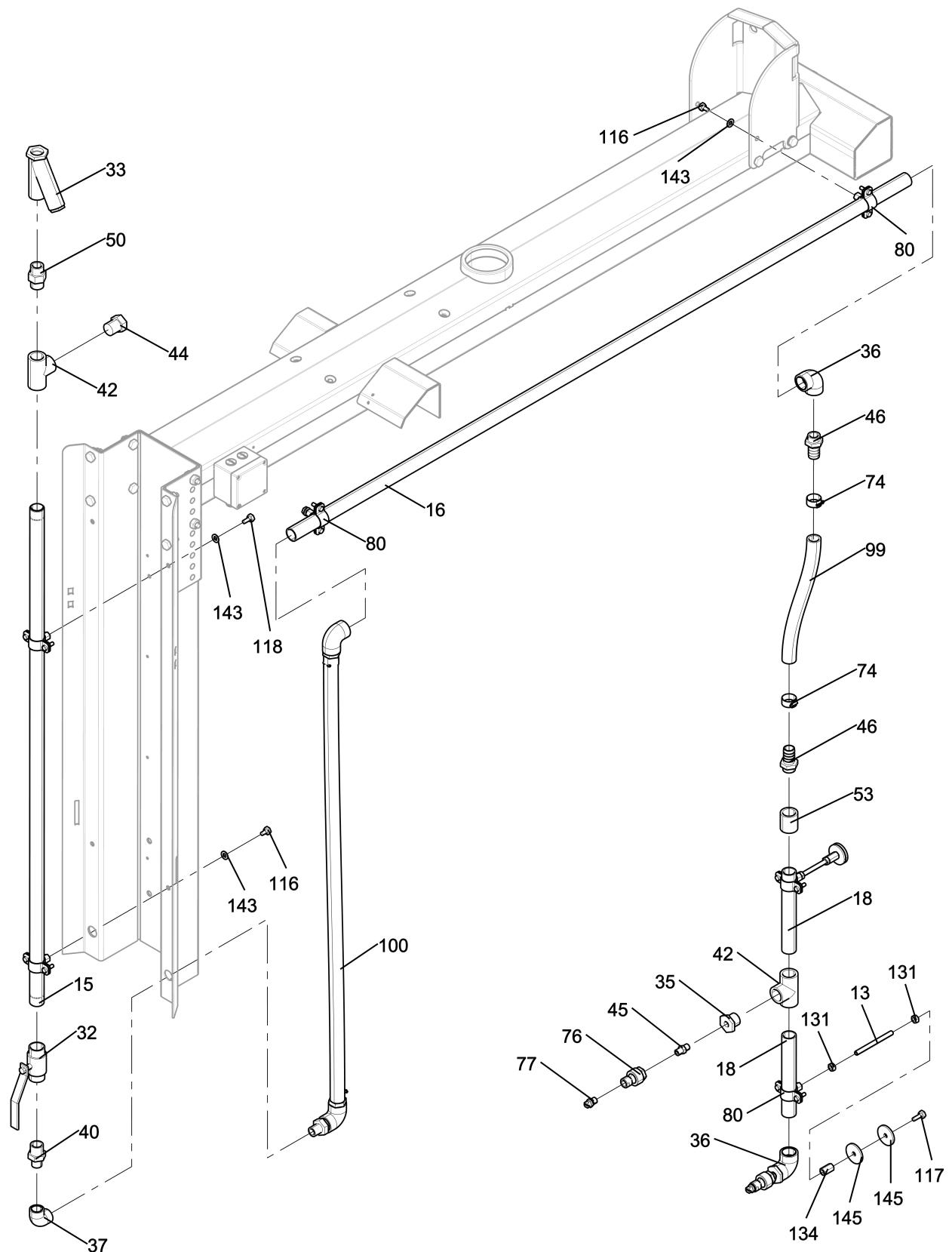
## height adjustment

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	672500	2			bushing
2	671616	8			bushing
3	3839621	1			support
4	3843755	1			hub
5	3855899	1			special ring
6	3852527	1			plate
7	4081805	1			lever
8	3844068	1		E	inline gearbox
9	3844084	1			cylinder support
10	3844087	1			bearing support
11	3844110	1		E	special gear wheel
12	3844111	1		E	gear wheel
13	3844112	1			special shaft
14	3844113	1			crank handle
15	3844123	1			bushing
16	3987313	1			special nut
17	3844143	1		E	threaded spindle
18	3844144	1			special shaft
19	3848837	1			tipping support
20	3845428	1		D	ring
22	3846875	1			ruler
23	3846876	1			position indicator
24	3847473	1			cylinder support
25	4077376	1			bracket
26	3904010	1		D	bearing flange sleeve
27	3936447	2			plate
28	3852529	1			plate
29	3858534	1			support
30	3875820	1			special disc
31	3879481	1			control plate
32	4274499	1			bracket
40	000131243	4			carriage bolt
41	000138134	1			tap bolt
42	000138135	5			tap bolt
43	000138193	2			tap bolt
44	000138199	1			tap bolt
45	000138235	1			tap bolt
46	000138237	12			tap bolt
48	000138251	4			tap bolt
49	000138191	2			tap bolt
50	000138289	2			tap bolt
51	000138291	6			tap bolt
60	000163347	8			nut
61	000163349	6			lock nut
62	000207501	2			acorn lock nut
63	000163351	8			lock nut
64	000163352	8			lock nut
70	000185070	1			nut
75	000251683	8			socket cap screw
76	000138137	6			tap bolt

*Page left blank intentionally*

## height adjustment

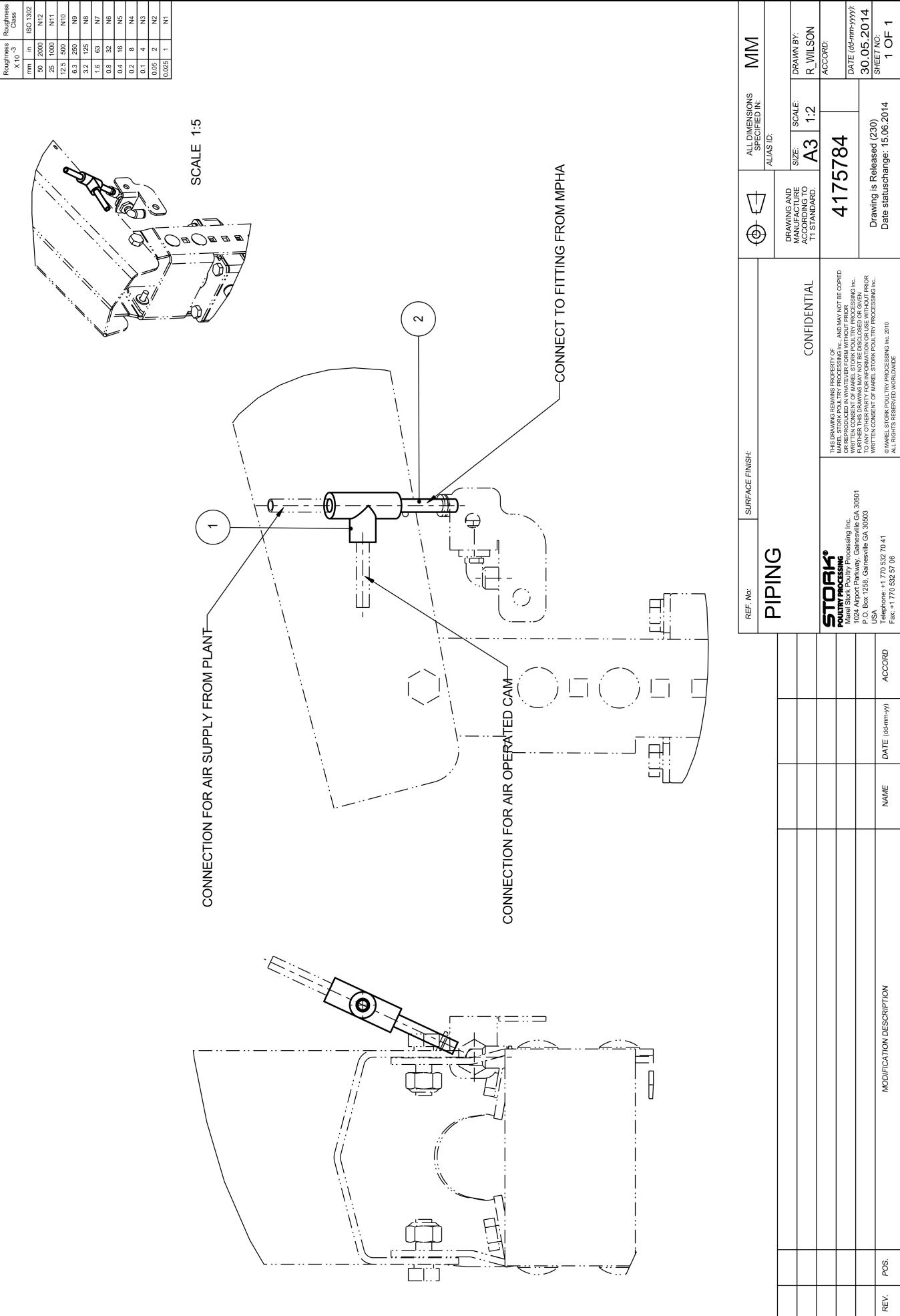
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
77	000251747	2			socket cap screw
78	000254346	6			socket cap flat head screw
79	9537085	1		D	cup point set screw
80	000302795	1		D	dog point set screw
85	000350205	16			flat washer
86	000350207	10			flat washer
87	000350208	6			flat washer
88	000350209	24			flat washer
89	000350210	16			flat washer
90	000351441	1			flat washer
91	000351442	2			flat washer
92	000351443	1			flat washer
93	000934103	1			flat washer
95	002230022	1		D	V ring seal
99	400005719	1			male straight connector
100	002330739	1			flow control connector
101	400005712	1			speed regulating valve
102	002330876	3			male elbow connector
103	002520672	1			elbow
104	002520674	1			reducing ring
105	080243013	1		D	slotted nut
106	080383013	1		D	nut lock washer
107	090101219	1		D	ball groove bearing
108	090100924	1		D	ring
109	090100925	1		E	spindle nut
110	090101454	1		D	bearing flange sleeve
111	090255045	1		B	valve
112	090255313	1		BE	silencer
113	090255314	1		BE	silencer
114	090255819	1		BE	air cylinder
115	090500145	1			handle
116	090500517	1		E	fixing bolt
117	090600084	1			nut
118	090600102	2			nut
119	090600110	1			nut
120	090950179	8			tube clamp
121	091400139	1		B	dial
122	002330194	1			panel mounting fitting
123	004171008	1	4000 MM	E	pneumatic hose
124	002330753	2			union elbow connector
125	090500524	1			fixing bolt



XV-4106592/-  
18-07-2013

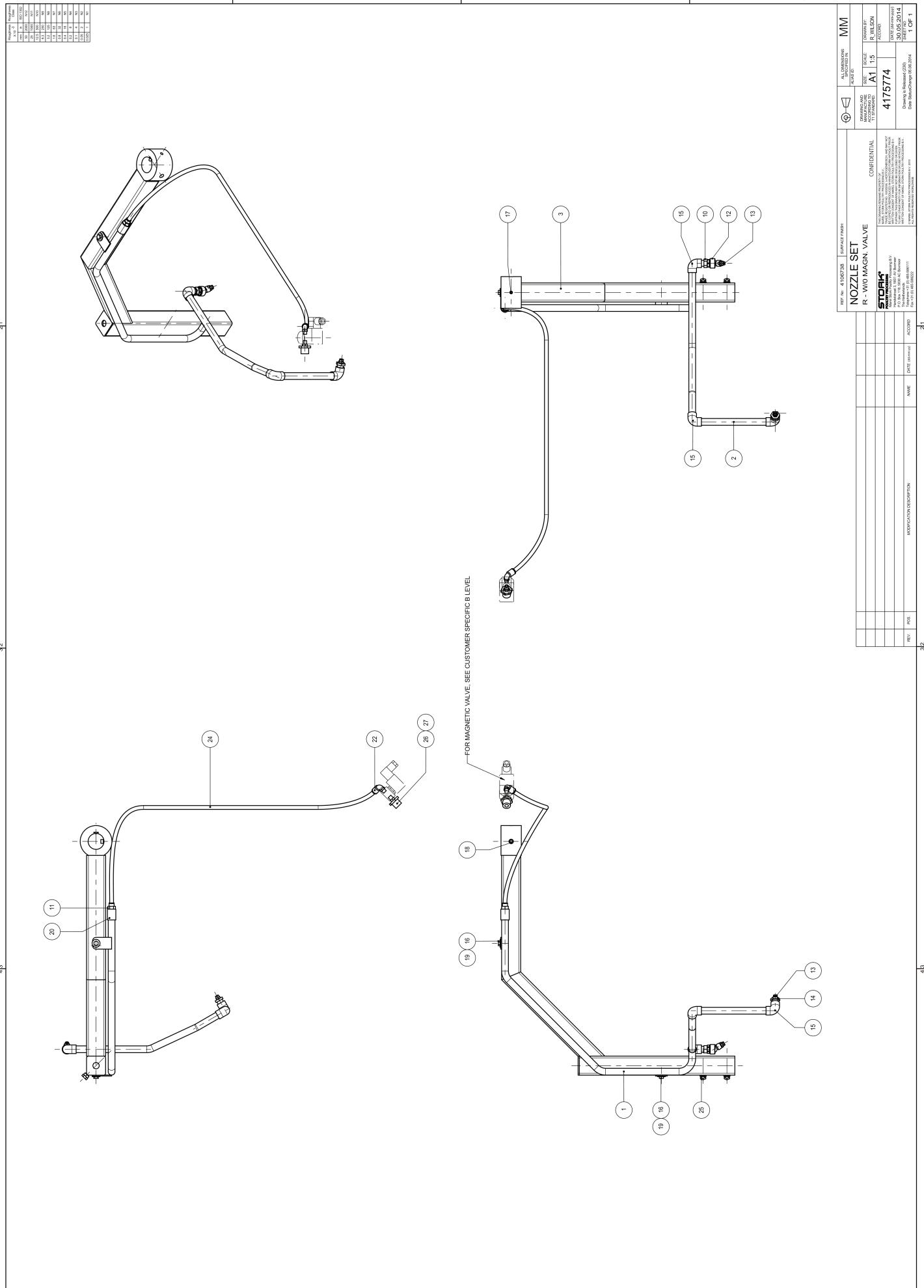
## piping

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
13	4766479	2			threaded rod
15	3877514	1			threaded pipe
16	3864414	1			threaded pipe
18	586359	2			threaded pipe
32	002609313	1			ball valve
33	003855113	1			filter
35	400003589	2			reducing ring
36	002520535	4			elbow
37	002520534	1			elbow
40	002520527	2			reducing nipple
42	002520625	2			tee fitting
44	002520595	1			stopper
45	002520562	2			nipple
46	002520753	4			hose coupling
50	002520565	1			nipple
53	002520505	1			straight pipe coupling
74	002819403	4		E	hose clamp
76	090250852	2			coupling
77	090250836	2		D	flat jet spray nozzle
80	002803540	6			pipe support bracket
99	090450263	1	500 MM	E	hose
100	090450263	1	1100 MM	E	hose
116	000138184	3			tap bolt
117	000138187	2			tap bolt
118	000138185	1			tap bolt
131	000185070	4			nut
134	090600130	2			nut
143	000350208	4			flat washer
145	000934112	4			flat washer



## piping

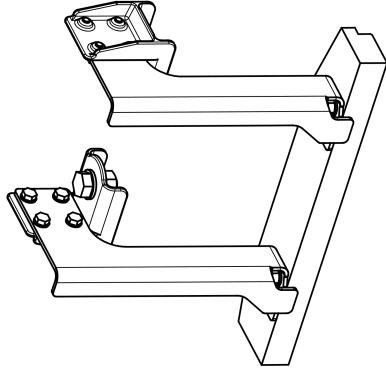
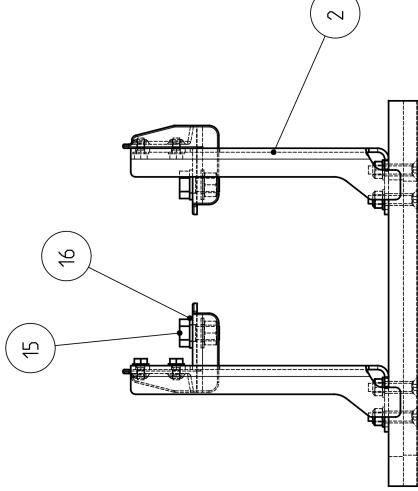
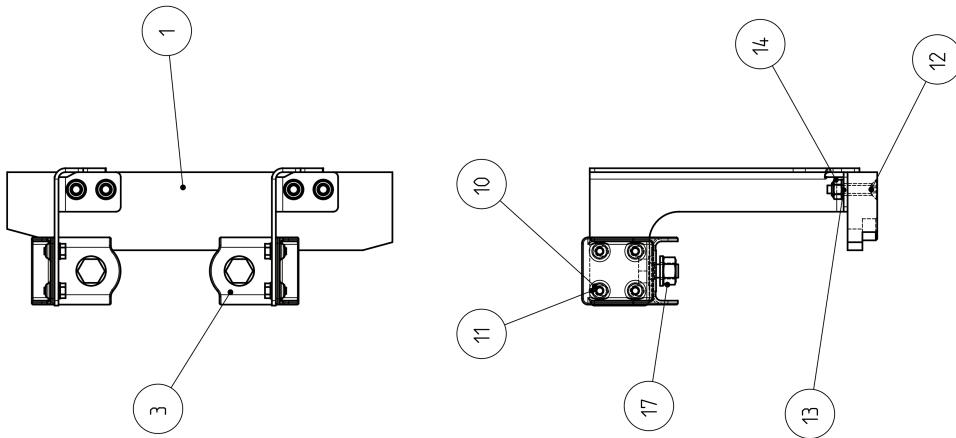
<i>Pos</i>	<i>Part number</i>	<i>Qty</i>	<i>Length/Unit</i>	<i>ABC</i>	<i>Description</i>
1	002330763	1			union tee connector
2	004171008	1	200 MM		pneumatic hose



**nozzle set**

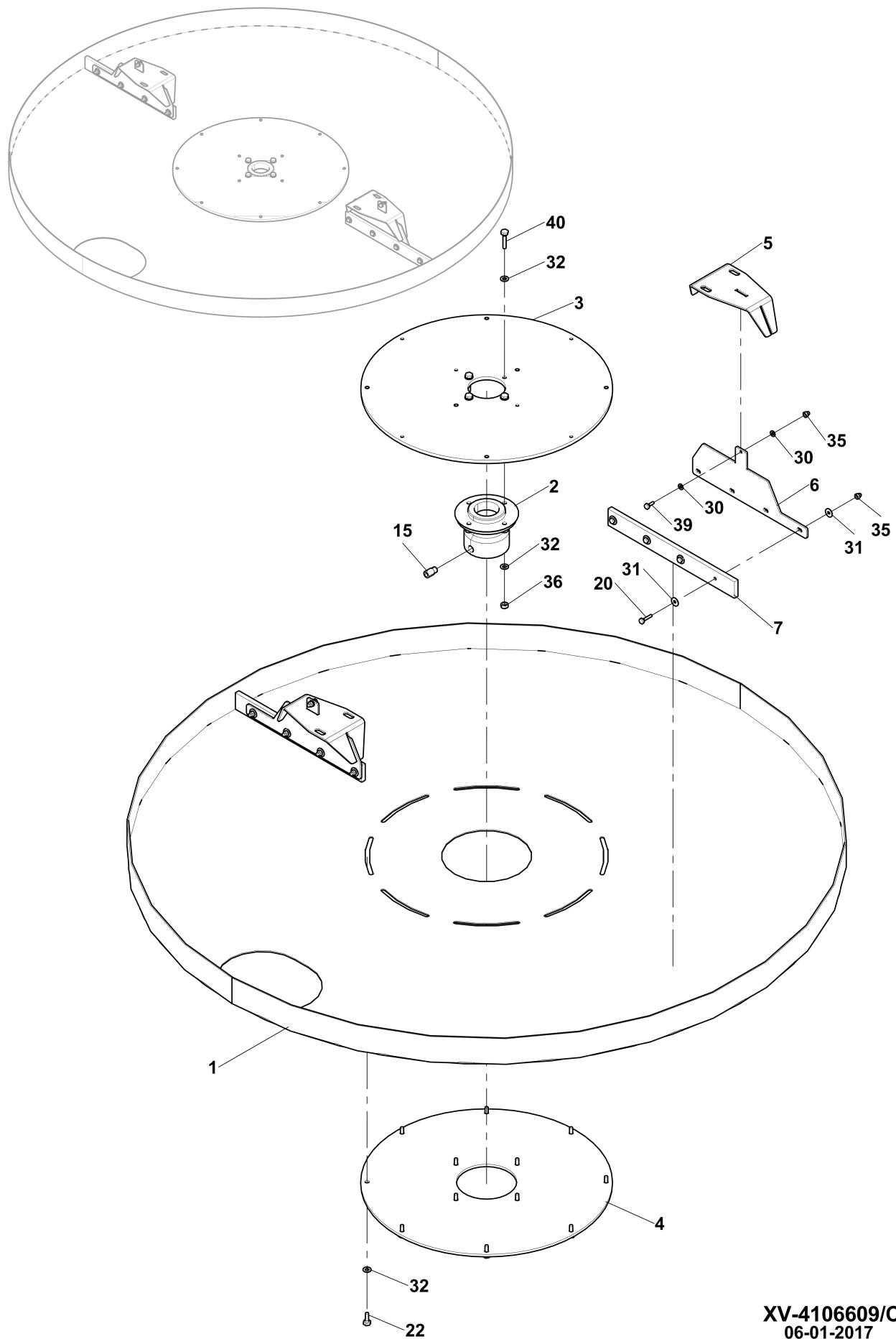
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3952916	1			tubing
2	611518	1			threaded pipe
3	4108228	1			support
10	002520528	1			reducing nipple
11	002330914	1			male straight connector
12	090250852	1			coupling
13	090250836	2		D	flat jet spray nozzle
14	002520674	1			reducing ring
15	002520534	3			elbow
16	000138184	2			tap bolt
17	9537085	1			cup point set screw
18	000302795	1			dog point set screw
19	000351442	2			flat washer
20	002520504	1			straight pipe coupling
22	002330881	1			male elbow connector
24	004171090	1	1500 MM		pneumatic hose
25	000138239	2			tap bolt
26	400003589	1			reducing ring
27	002520562	1			nipple

Roughness Class	Roughness $\times 10^{-3}$
mm	in
50	2000
25	1000
12.5	500
6.3	250
3.2	125
1.6	63
0.8	32
0.4	16
0.2	8
0.1	4
0.05	2
0.025	1



**guide**

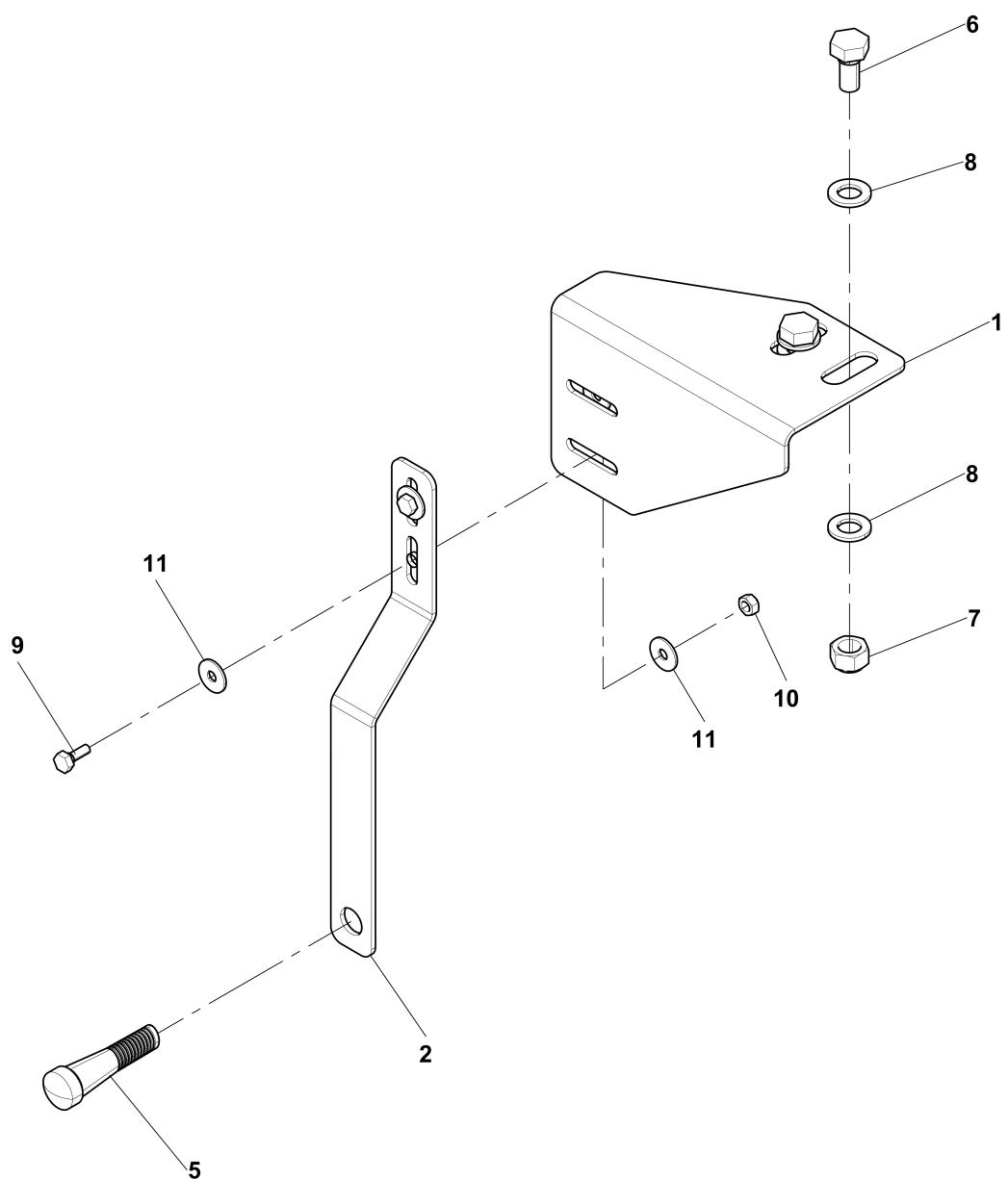
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3952946	1		E	guide
2	681360	2			support
3	675754	2			support
10	000138185	8			tap bolt
11	000350208	8			flat washer
12	000254381	4			socket cap flat head screw
13	000350209	4			flat washer
14	000163351	4			lock nut
15	000138391	2			tap bolt
16	000350212	4			flat washer
17	000185074	2			nut



XV-4106609/C  
06-01-2017

## trough

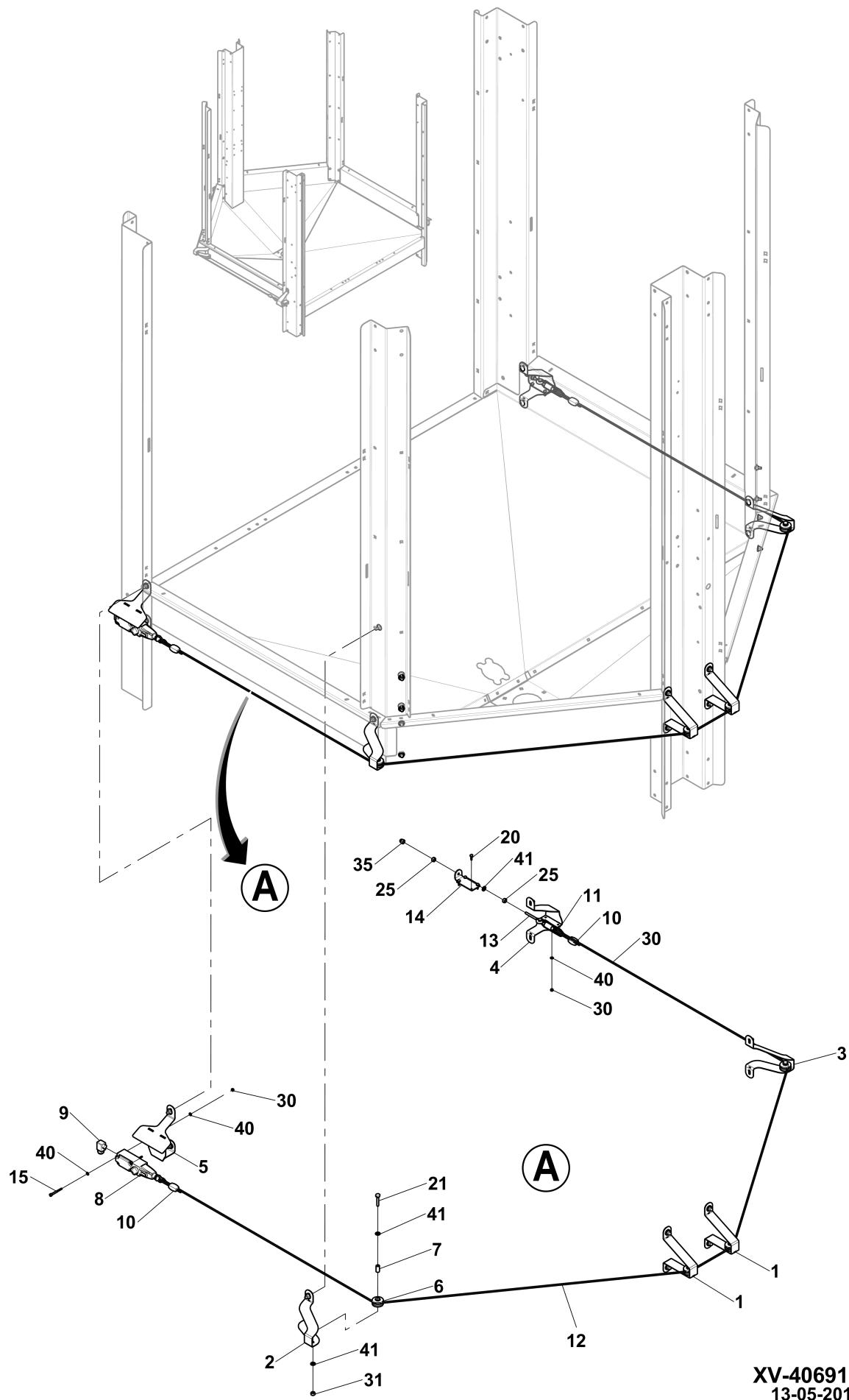
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3972514	1			collecting bin
2	4106610	1			special bushing
3	3975477	1			plate
4	3975478	1			plate
5	4107416	2			support
6	4057446	2			plate
7	3977370	2		E	plate
15	000302795	1			dog point set screw
20	000138139	8			tap bolt
22	000138187	12			tap bolt
30	000350207	4			flat washer
31	000351441	16			flat washer
32	000350208	22			flat washer
35	000207500	10			acorn lock nut
36	000163350	4			lock nut
39	000138135	2			tap bolt
40	000138193	4			tap bolt



XV-4093765/A  
29-03-2019

## plucking finger

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3952954	1			support
2	3951706	1			support
5	090450652	1		A	plucking finger
6	000138391	2			tap bolt
7	000163354	2			lock nut
8	000350212	4			flat washer
9	000138187	2			tap bolt
10	000163350	2			lock nut
11	000351442	4			flat washer



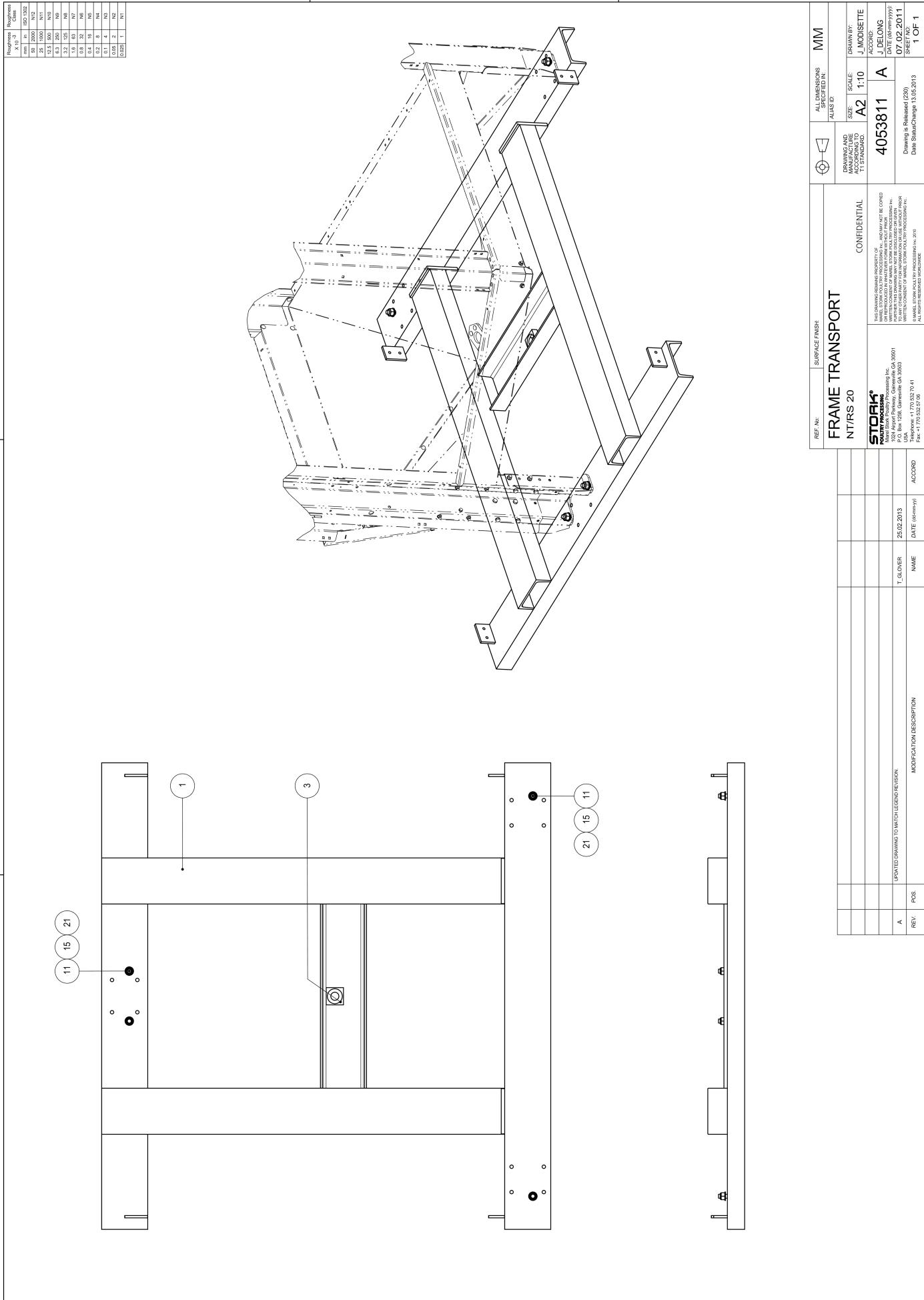
XV-4069170/-  
13-05-2016

## **pull switch**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4067553	2			support
2	4067527	1			support
3	4067528	1			support
4	4067529	1			support
5	4072428	1			support
6	4067531	4			pulley
7	531435	4			bushing
8	095211127	1		B	pull switch
9	500514614	1			gland
10	004254101	2			cable clamp
11	091401114	1		B	extension spring
12	090850064	1	5000 MM		cable
13	090600546	1			screw eye
14	3854196	1			support
15	000251699	4			socket cap screw
20	000138105	4			tap bolt
21	000138195	4			tap bolt
22	000131222	32			carriage bolt
25	000185070	2			nut
30	000163348	8			lock nut
31	000163350	4			lock nut
35	000205702	1			acorn nut
36	000350209	32			flat washer
40	000350206	12			flat washer
41	000350208	10			flat washer
42	000207501	32			acorn lock nut

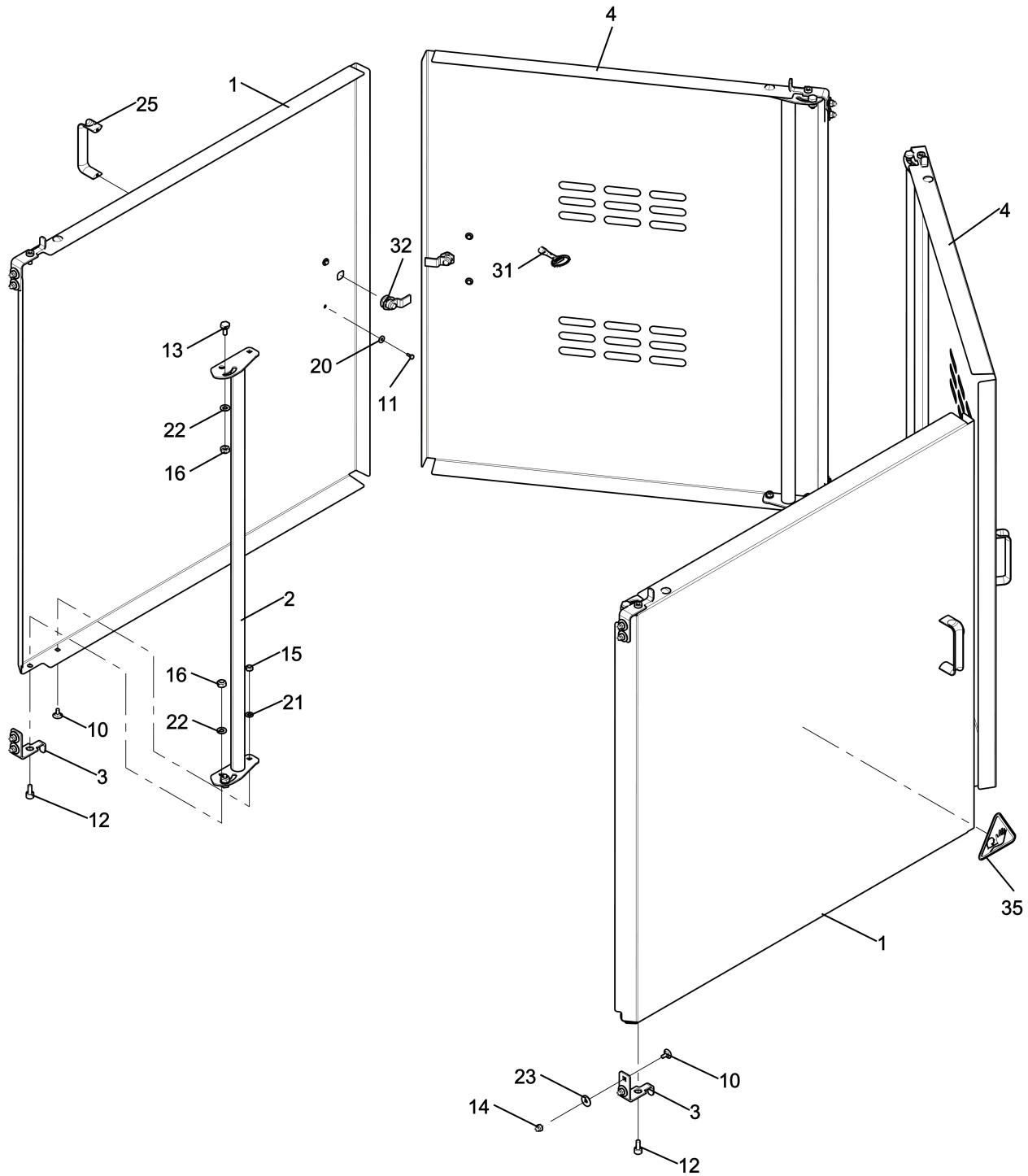
21

32



## **transport frame**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3956554	1			transport frame
3	4053720	1			support
11	000138399	4			tap bolt
15	000350212	8			flat washer
21	000163354	4			lock nut



XV-4080220/-  
29-08-2012

**guard**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3852655	2			door
2	3834491	4			support
3	3839866	8			support
4	4080221	2			door
9	000131222	16			carriage bolt
10	000131299	8			carriage bolt
11	000138104	8			tap bolt
12	000251731	8			socket cap screw
13	000138237	8			tap bolt
14	000207501	16			acorn lock nut
15	000163350	8			lock nut
16	000163351	16			lock nut
20	000351440	8			flat washer
21	000350208	8			flat washer
22	000350209	16			flat washer
23	000351442	16			flat washer
25	3898501	4			handle
31	400002525	3			lock key
32	400002526	4			quick latch
35	001070011	4		E	warning plate

*Page left blank intentionally*

## **electrical accessories**

<b><i>Pos</i></b>	<b><i>Part number</i></b>	<b><i>Qty</i></b>	<b><i>Length/Unit</i></b>	<b><i>ABC</i></b>	<b><i>Description</i></b>
1	4074600	1		B	angled geared motor