



## Spare parts

# Opening machine

## VO-15 RS L

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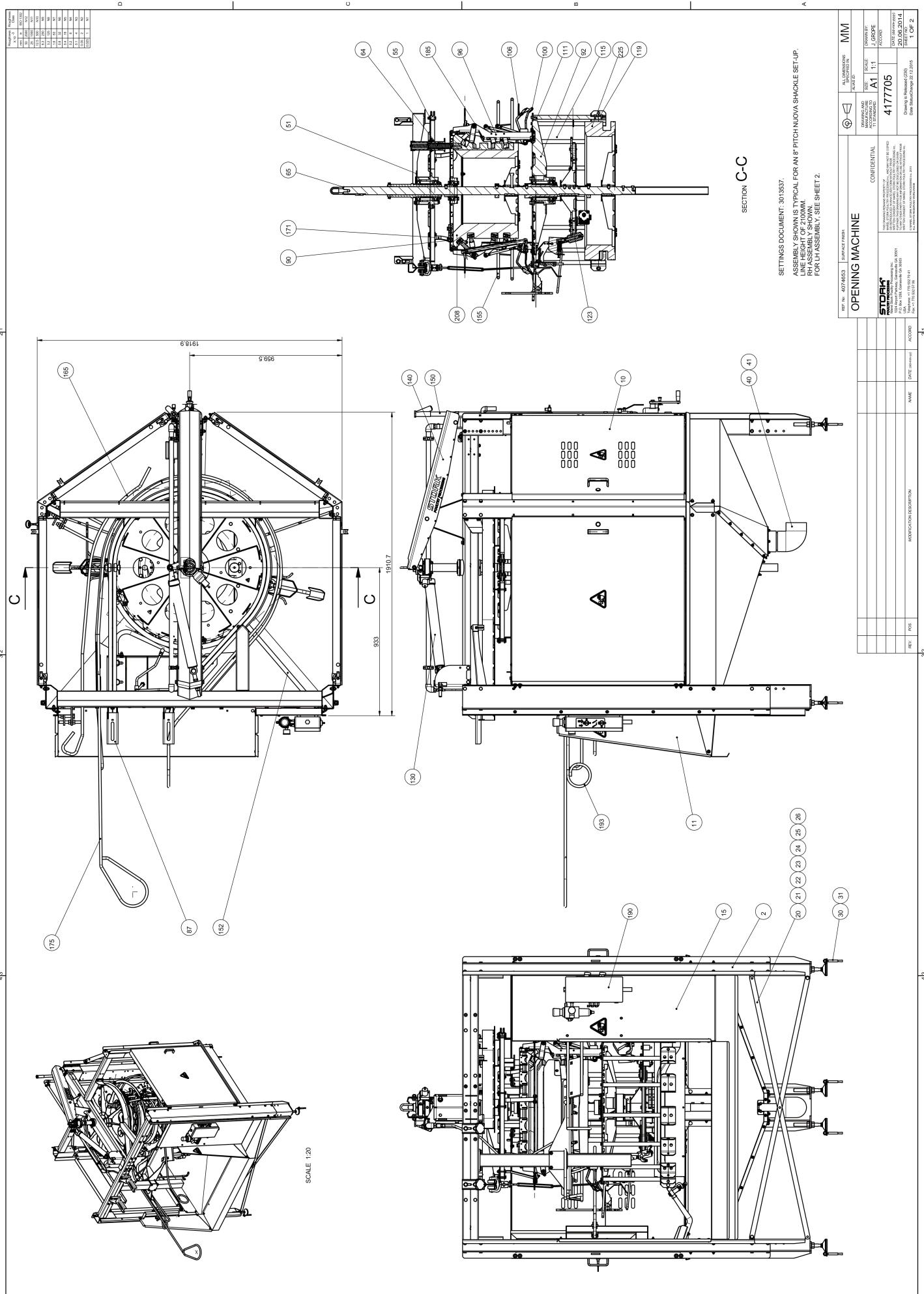
Gainesville, GA 30503

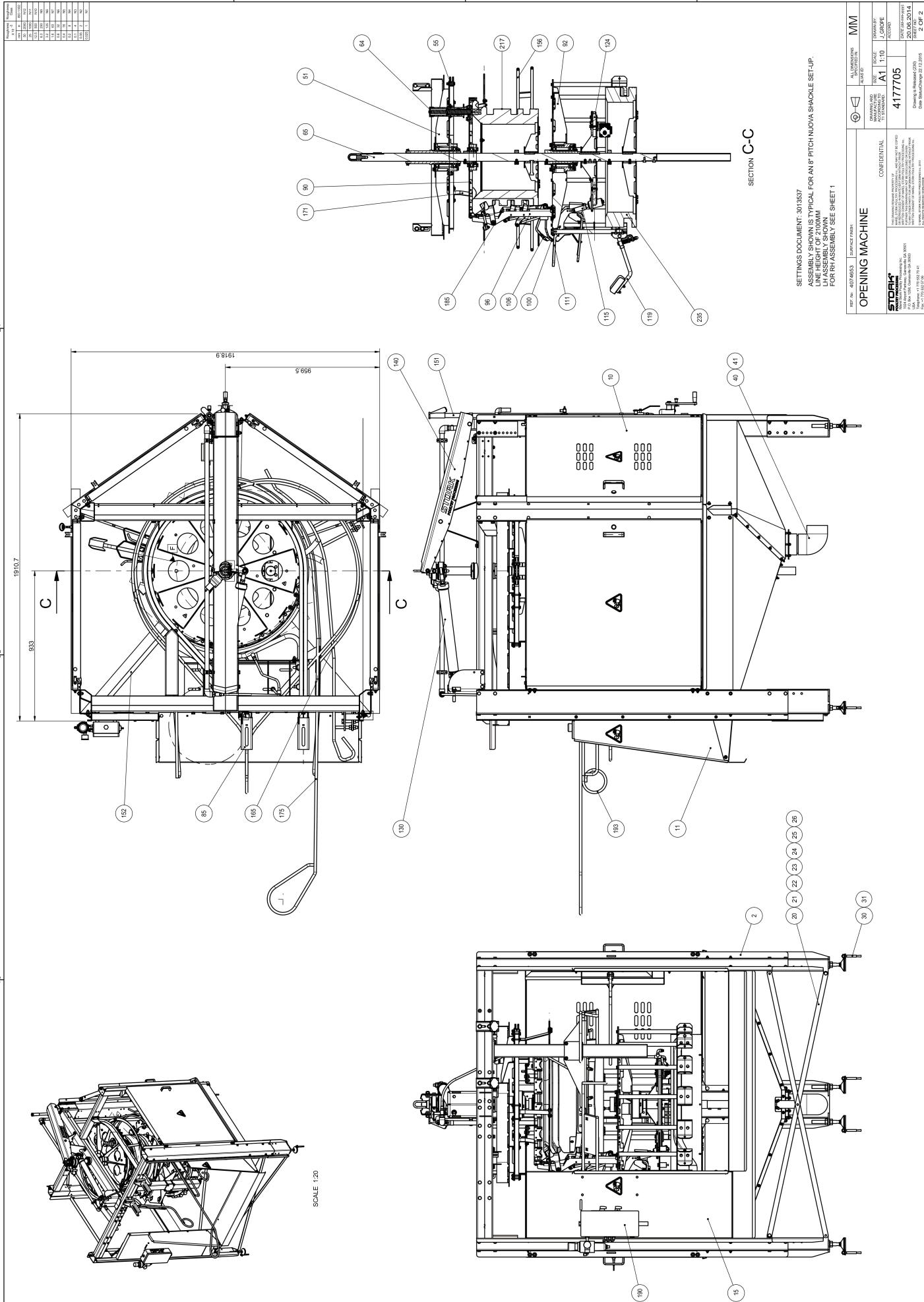
USA

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



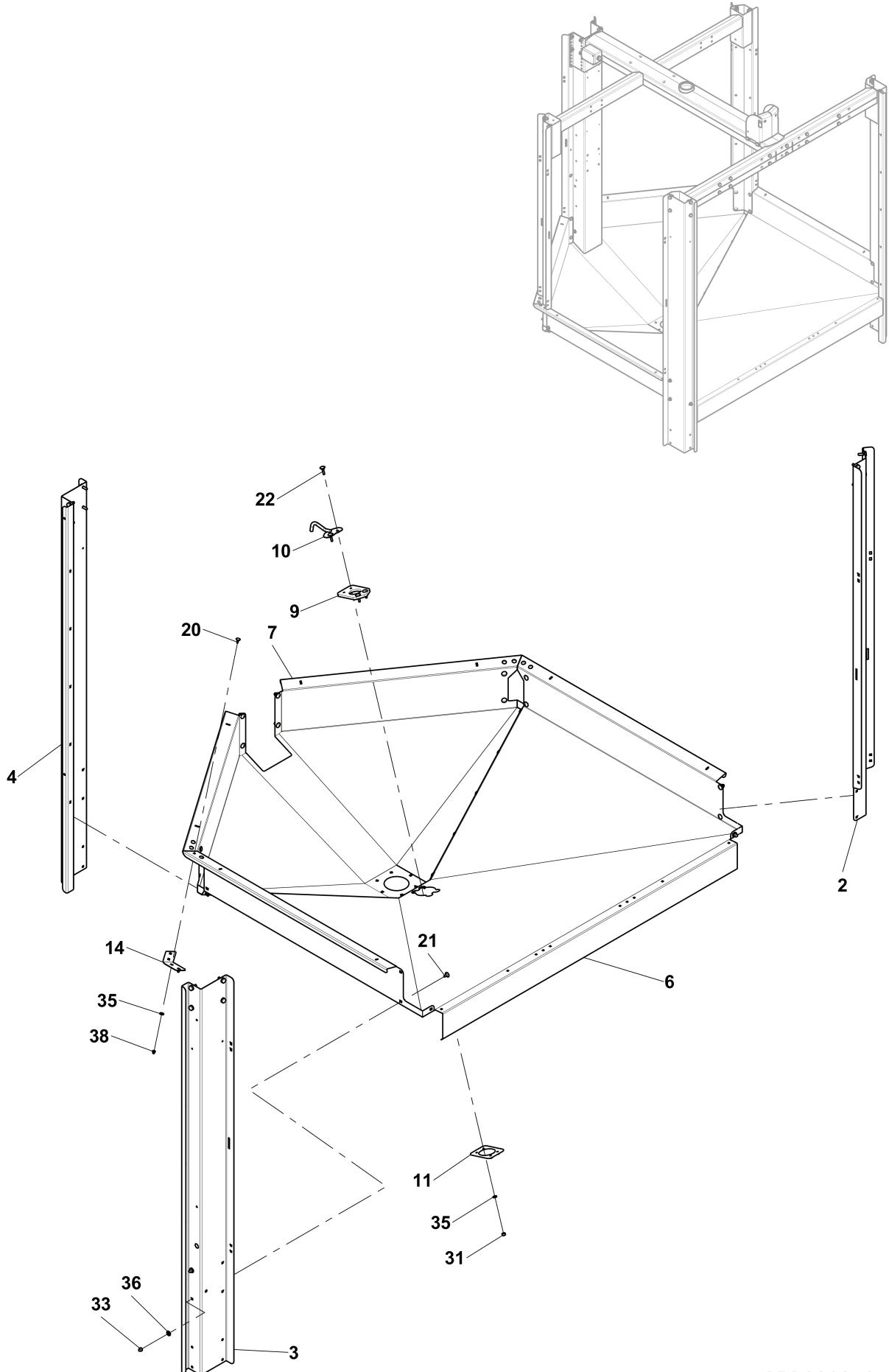


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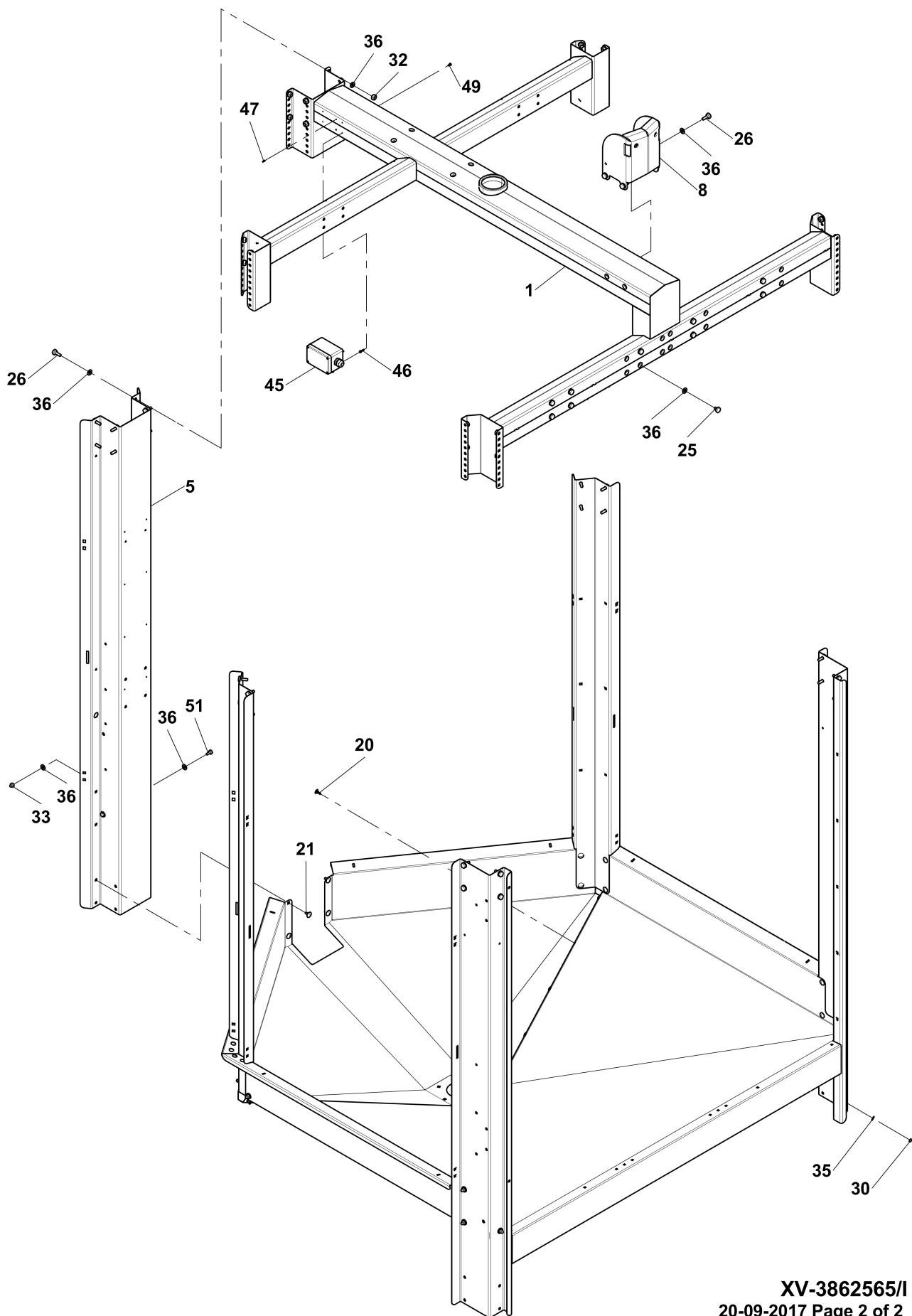
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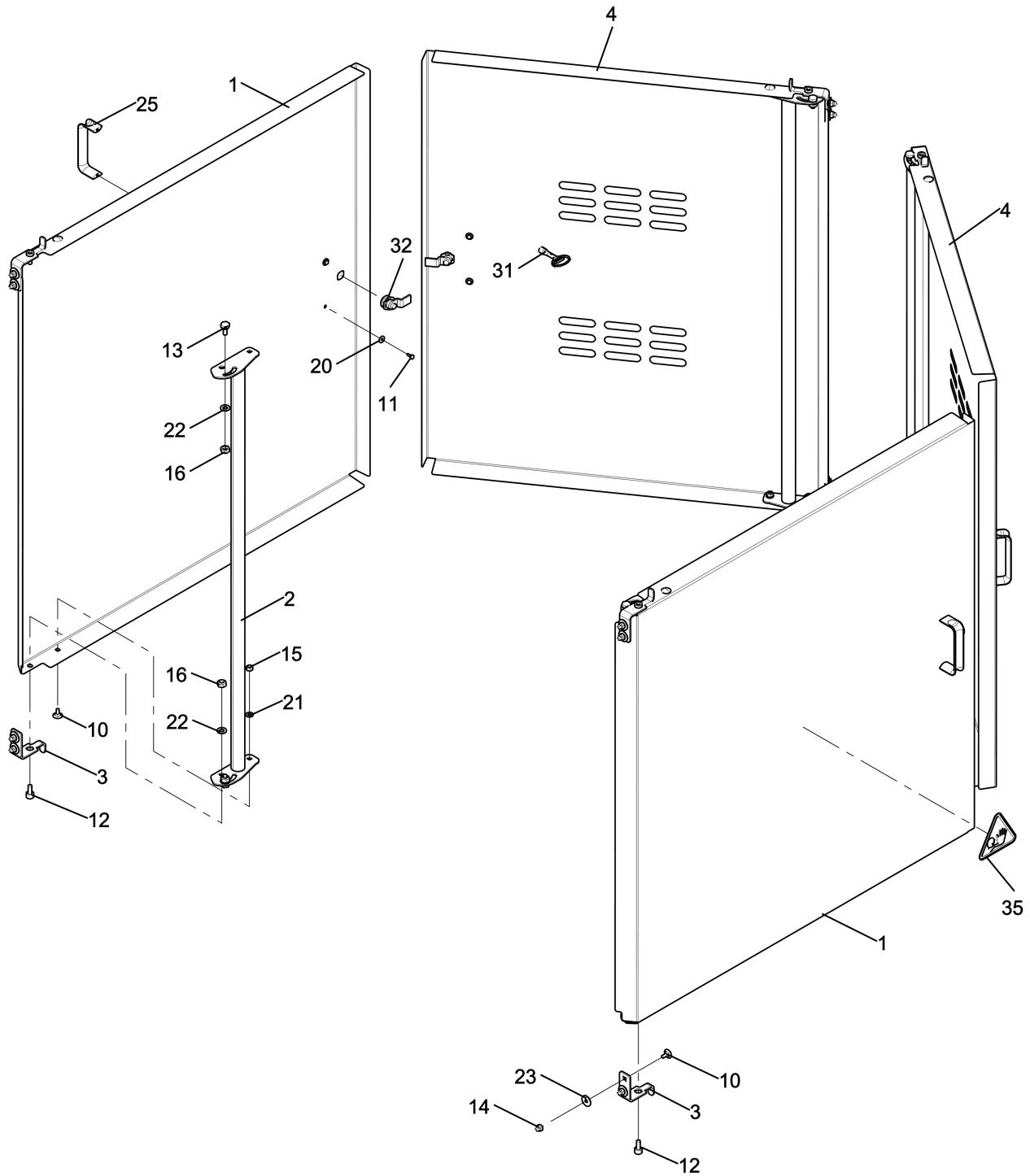


XV-3862565/I  
20-09-2017 Page 2 of 2

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**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	18			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	88			flat washer
38	000207500	8			acorn lock nut
45	691690	1			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

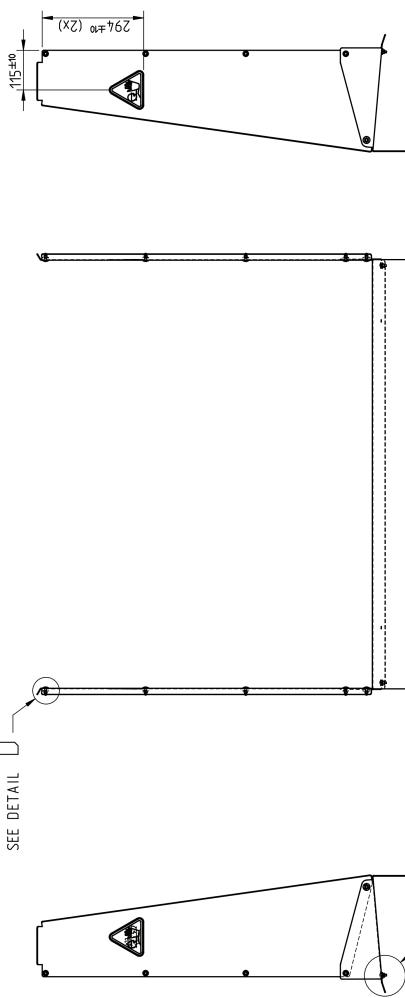
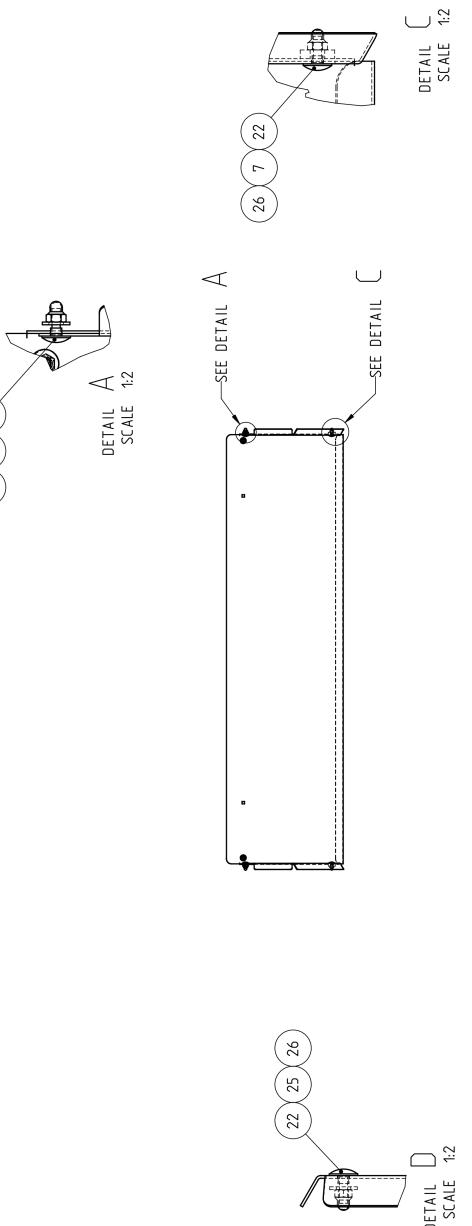


XV-4080220/-  
29-08-2012

**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

2|1



REF. NO. 4069596 A		SURFACE FINISH: -	ALL DIMENSIONS SPECIFIED IN MM	
			$\oplus$	AS IS / DRAWING AND MANUFACTURE TO STANDARD
			$\ominus$	AS IS / DRAWN BY: R. WILSON A.C.D.O.
				4069596 A DATE 03-10-2011 Drawing released (230) Date Status Change 23.11.2011 SHEET NO. 1 OF 1
CONFIDENTIAL				
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A	ADDED DIMENSIONS FOR STICKER PLACEMENT			
KEY:	POS.	MODIFICATION DESCRIPTION	NAME	DATE (dd-mm-yy)
			B. SONSEMA	03-10-2011

**guard**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4055399	1			plate
2	4055398	1			plate
3	4069597	1			plate
7	3836567	2			plate
20	001070011	2		E	warning plate
22	000131201	12			carriage bolt
25	000350208	10			flat washer
26	000207500	10			acorn lock nut
27	000163349	2			lock nut



**shield**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3865201	1			panel
2	3845737	1			bracket
9	000138134	4			tap bolt
10	000131201	10			carriage bolt
15	000163349	2			lock nut
17	000207500	12			acorn lock nut
20	000350207	11			flat washer
21	000350208	7			flat washer
25	001070011	1		E	warning plate

21

3 | 2

4 | 3

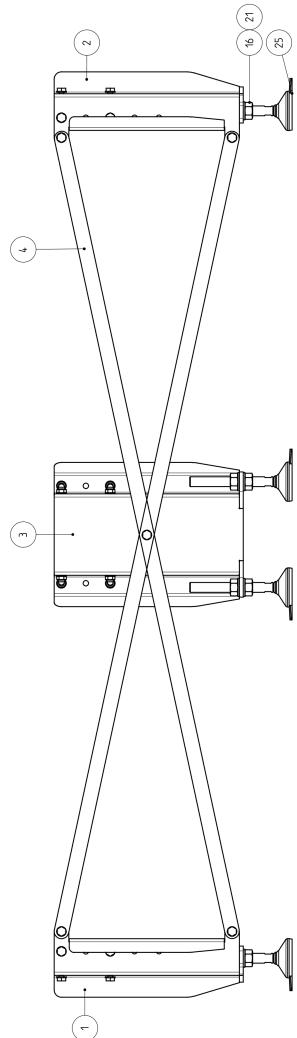
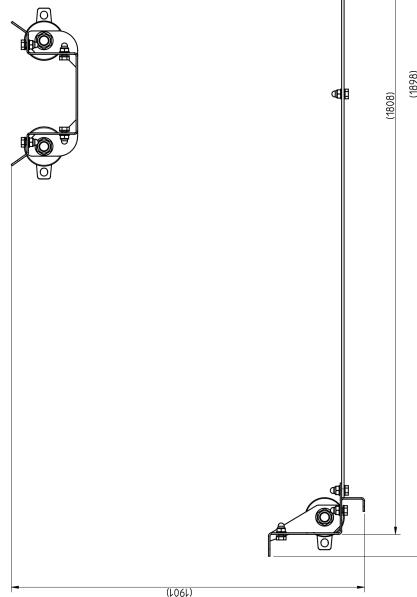
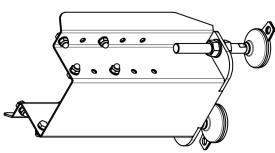
1

1

1

1

Progress	Progress	Progress	Progress
X 10 <sup>-3</sup>	%	%	%
0.000	0	0	0
0.001	10	10	10
0.002	20	20	20
0.003	30	30	30
0.004	40	40	40
0.005	50	50	50
0.006	60	60	60
0.007	70	70	70
0.008	80	80	80
0.009	90	90	90
0.010	100	100	100



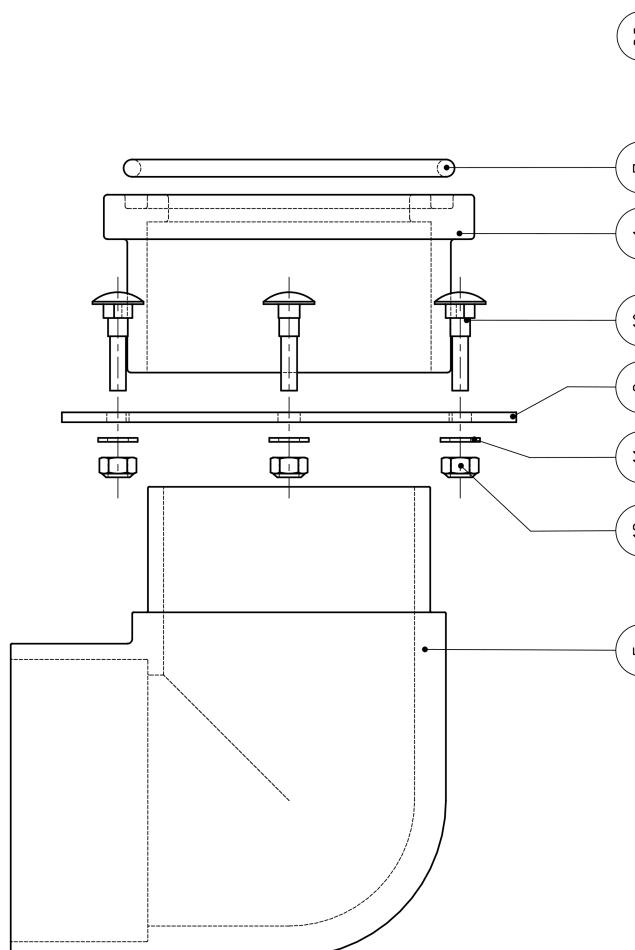
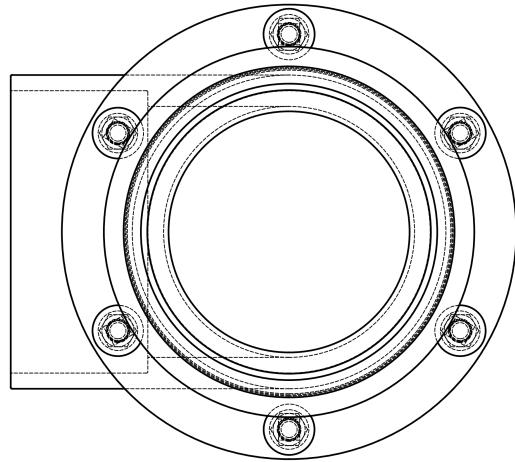
3

A technical line drawing of a mechanical linkage mechanism. It consists of several metal plates connected by rods. A vertical plate at the top has two horizontal slots with circular holes. Two diagonal rods extend downwards from these slots, meeting at a central point. From this central point, two more rods branch out diagonally downwards. The bottom-most part of the mechanism features a rectangular base plate with a central slot and two circular holes. A rod connects the central point of the upper assembly to the base plate. There are also two small circular components near the base plate.

## 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.

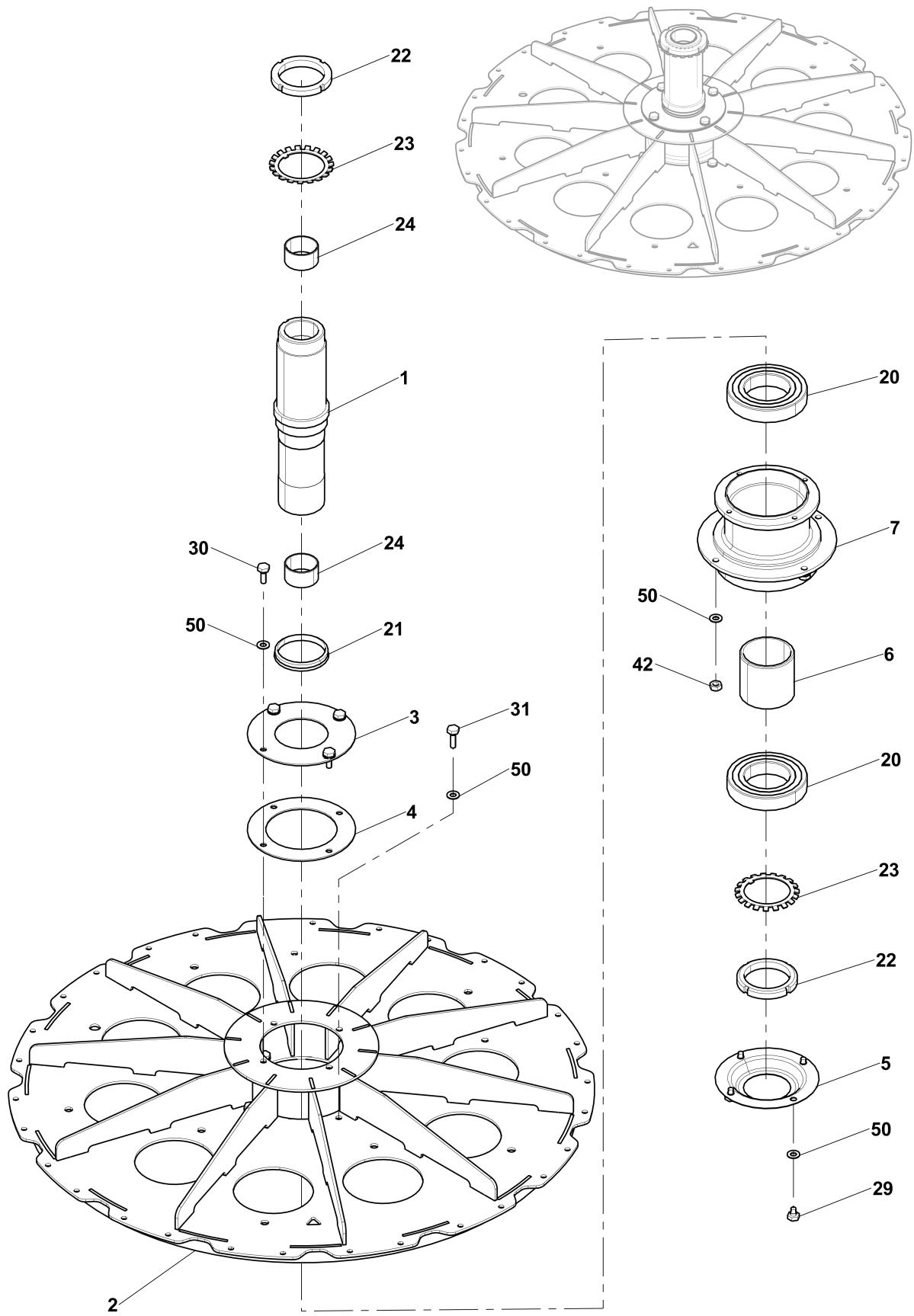


SCALE 1:4

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
AFOER		3842910 B		ACCORD:	HETTERSCHEID		
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B	ADDED BALLOON #29 - ADDED NOTE: SUPPLY ITEMS #5 AND #29 SEPARATELY.	T_GLOVER	25.07.2012				
A	UPDATED BALLOON: PS DELETED; PS CHANGED	C_W ARE	14.05.2009				
REV.	P05;	NAME	DATE (dd-mm-yy)	ACCORD		Drawing is Released (230) Date Status Change 26.07.2012	
							SHEET NO: 1 OF 1

## 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

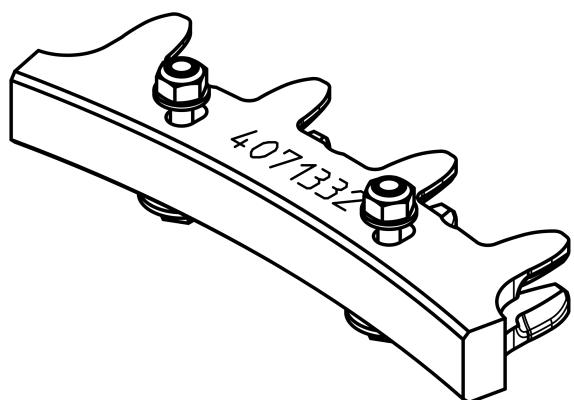
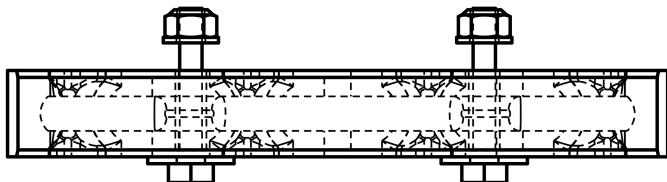


XV-4102913/A  
09-06-2017

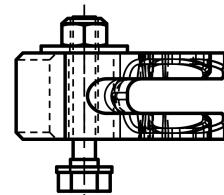
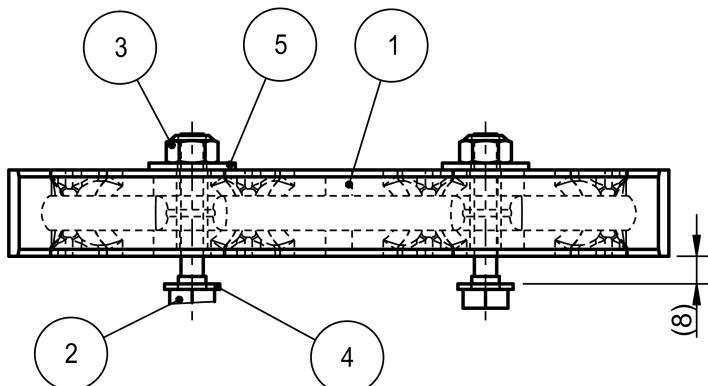
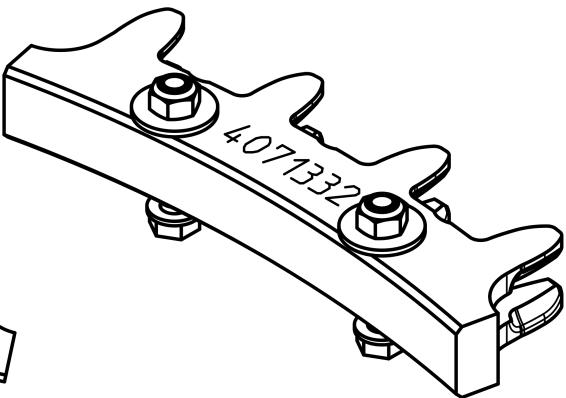
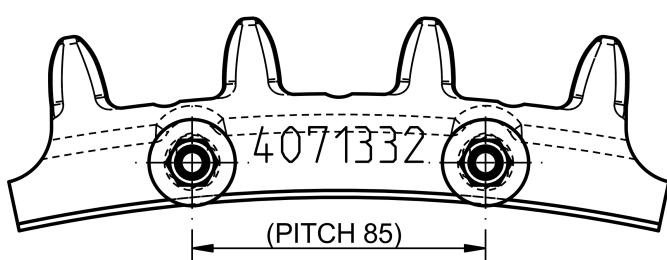
**carrier wheel**

<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
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
42	000163351	4			lock nut
50	000350209	16			flat washer

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



TEETH BELOW FLANGE

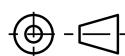


REF. No: 4071799 SURFACE FINISH:

## 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:

1:12

DRAWN BY:  
H\_VERSTEGEN

ACCORD:

DATE (dd-mm-yyyy):

27.09.2011

SHEET NO:

1 OF 1

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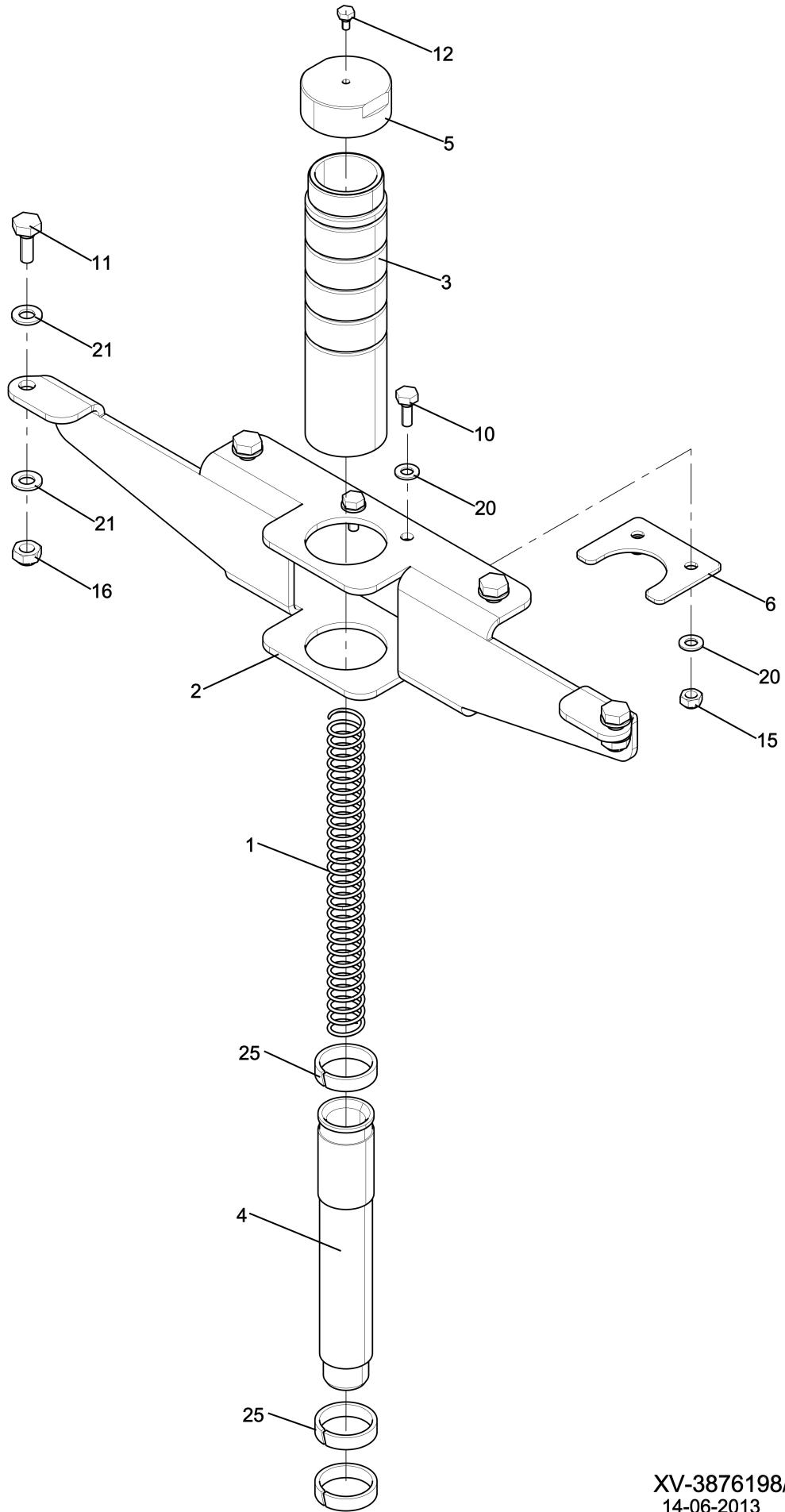
4073027

A

Drawing is Released (230)  
Date StatusChange 27.11.2013

**lug**

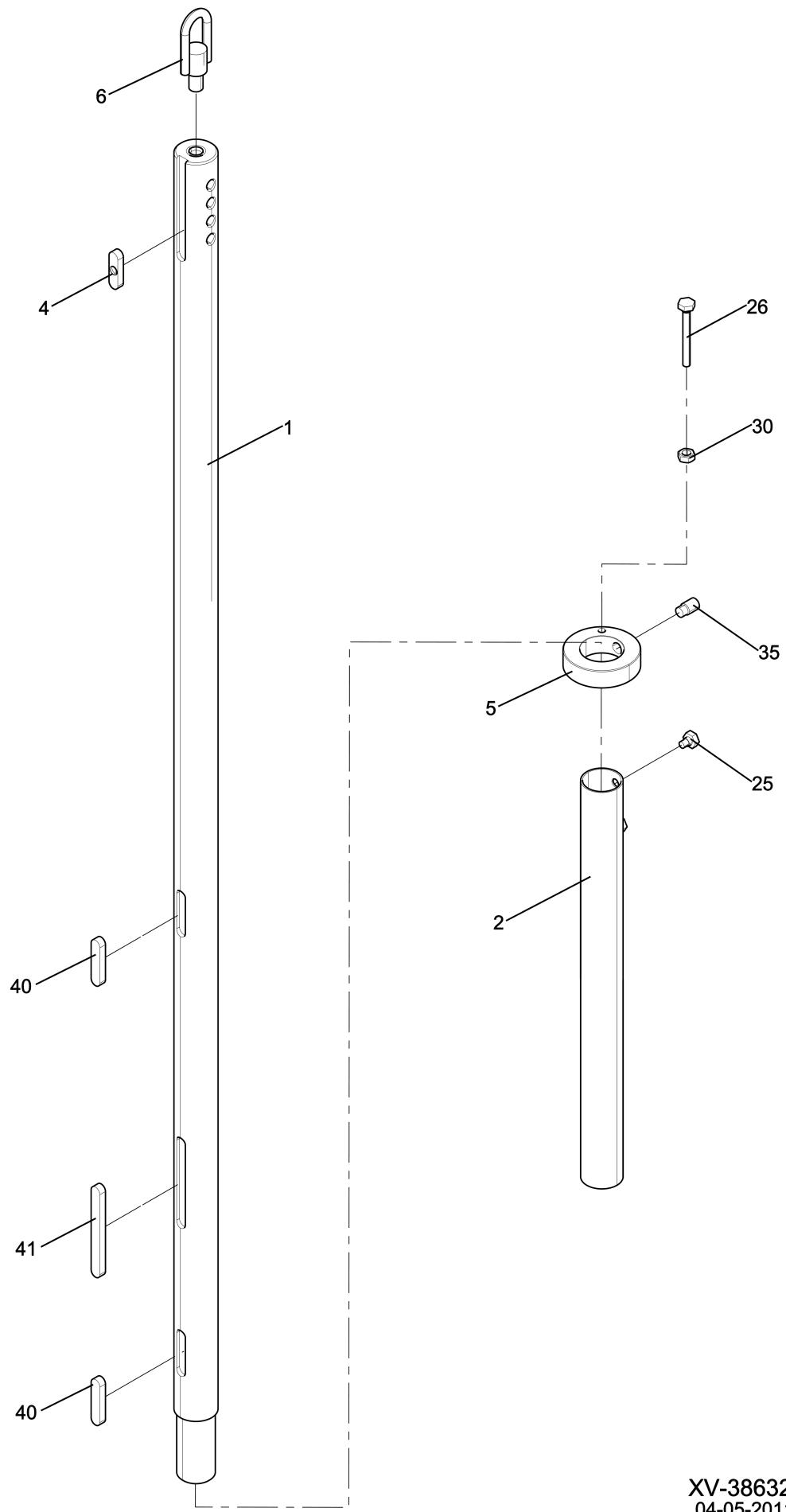
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4071332	1		E	lug
2	000138197	2			tap bolt
3	000163350	2		E	lock nut
4	000350208	2			flat washer
5	000351442	2			flat washer



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

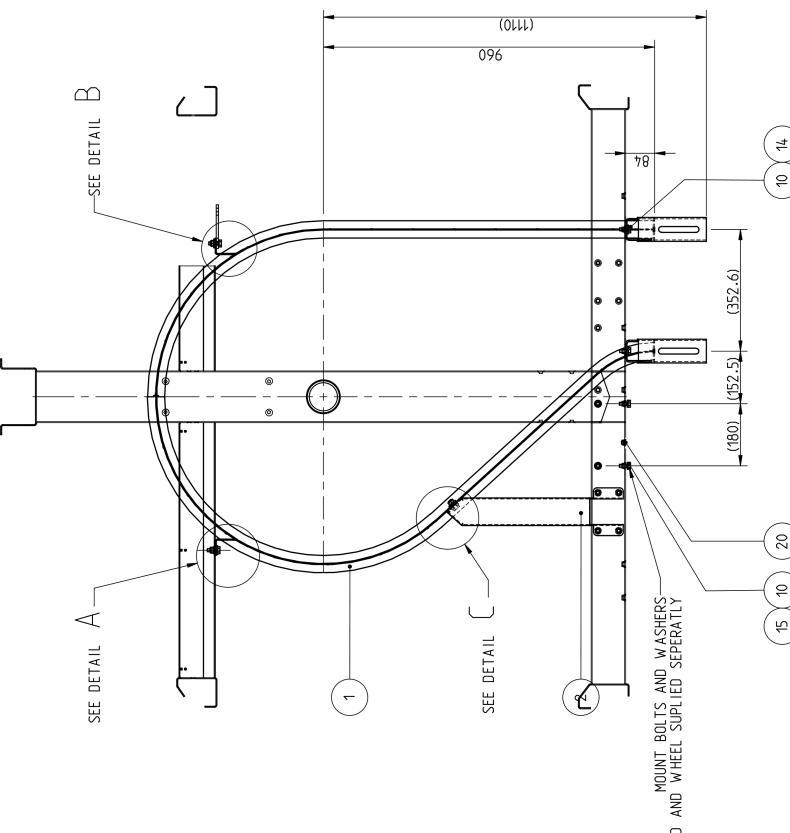


XV-3863269/A  
04-05-2011

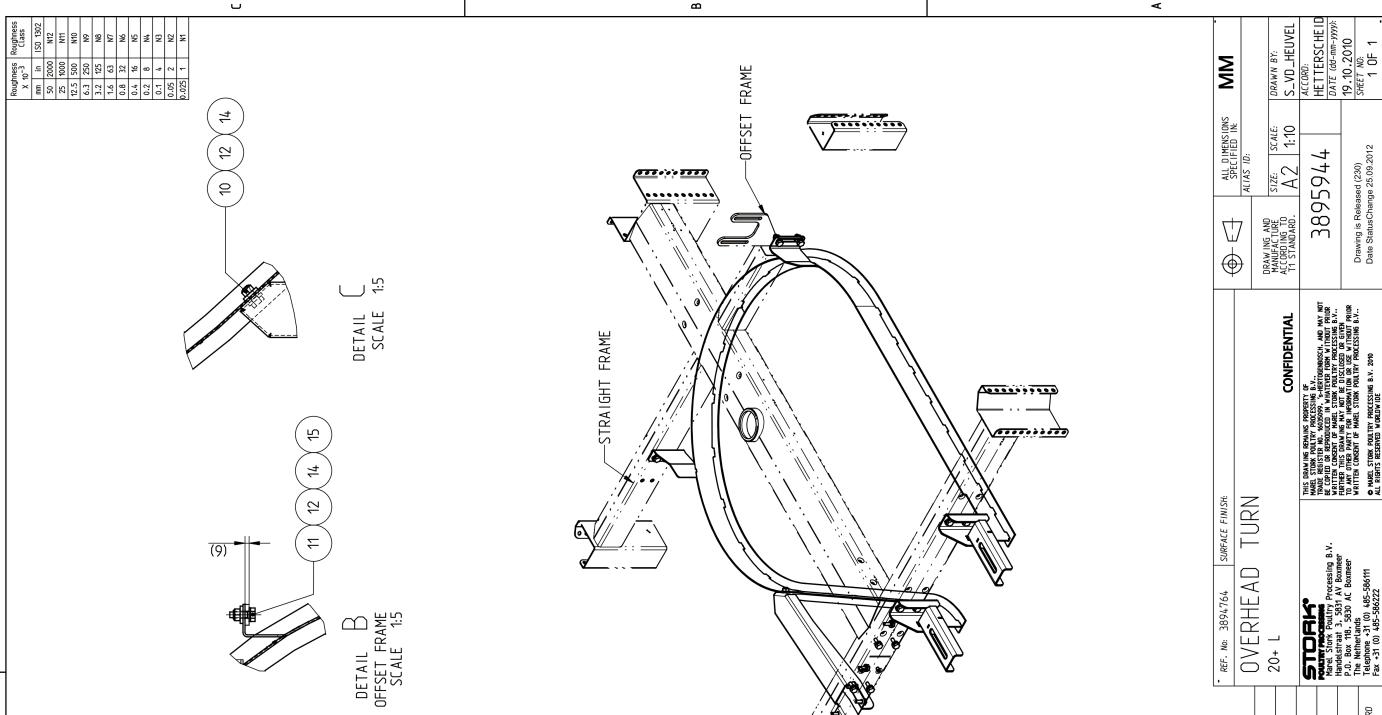
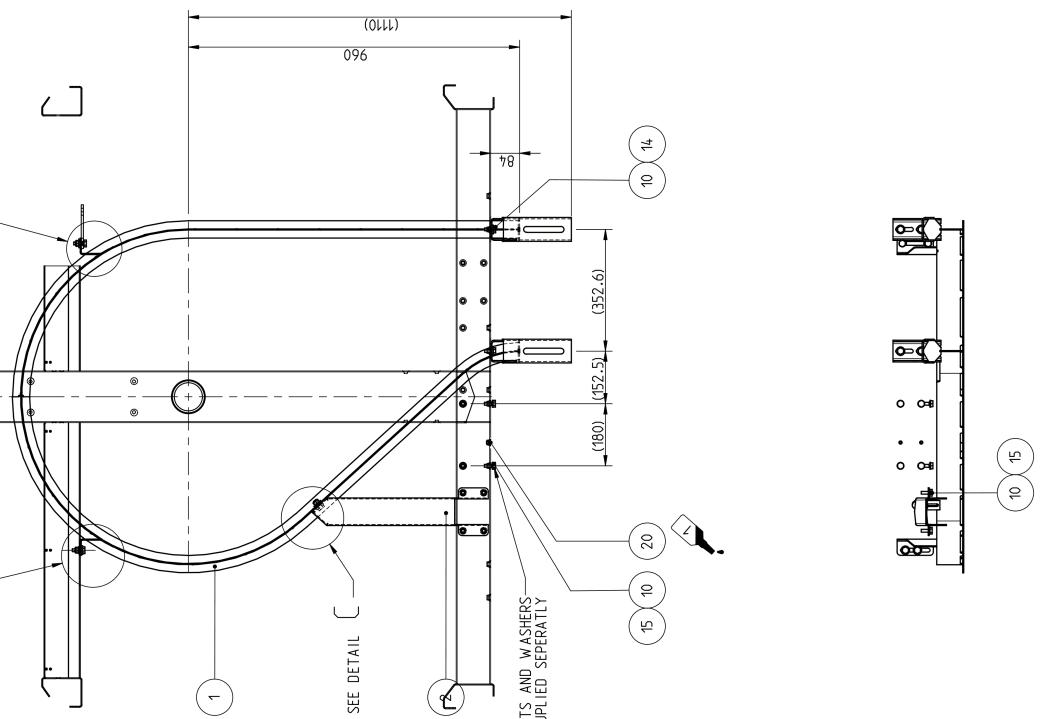
## main shaft

<i>Pos</i>	<i>Part number</i>	<i>Qty</i>	<i>Length/Unit</i>	<i>ABC</i>	<i>Description</i>
1	3863270	1			main shaft
2	3863271	1			welded pipe
4	3839565	1		D	round ends key
5	3839590	1			shaft collar
6	3986604	1			lifting eye bolt
25	000138234	2			tap bolt
26	000138260	1			tap bolt
30	000185071	1			nut
35	000302795	1		D	dog point set screw
40	000502485	2		D	round ends key
41	000502493	1		D	round ends key

2|1



3|2

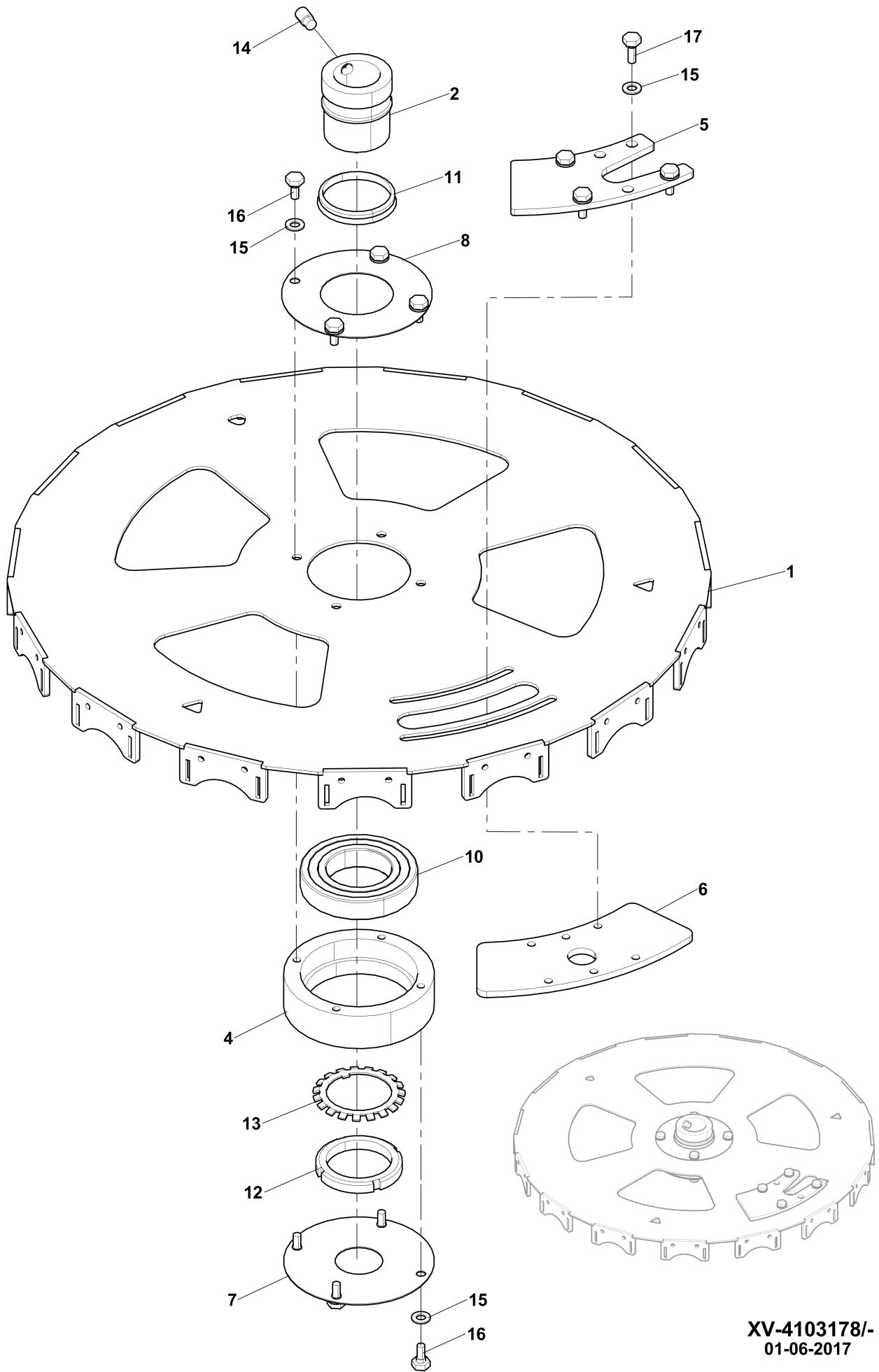


2|1

3|2

## **overhead turn**

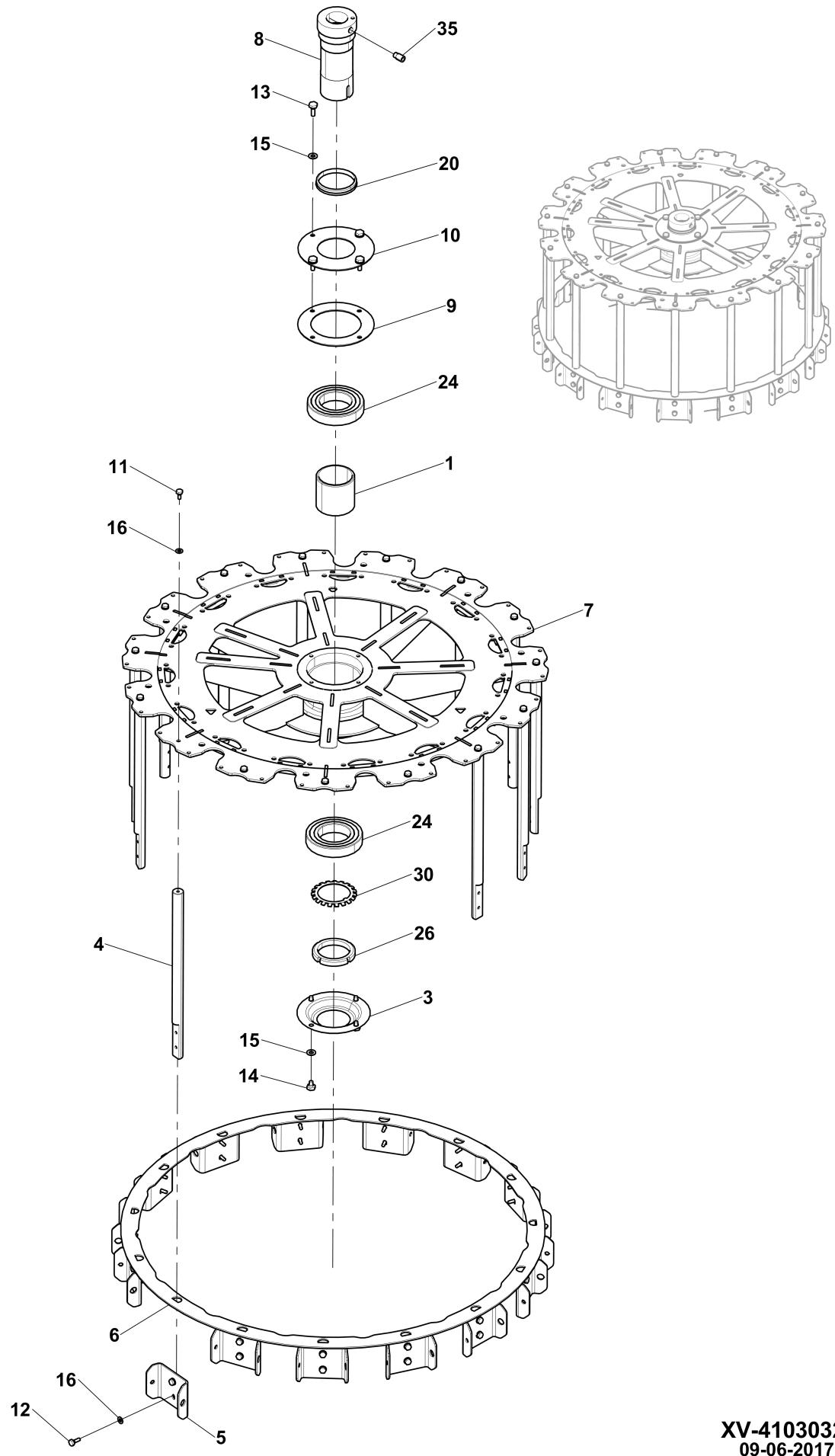
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3894739	1			overhead turn
2	3873353	1			support
10	000138239	15			tap bolt
11	000138241	4			tap bolt
12	000163351	5			lock nut
14	000351156	10			flat washer
15	000350209	14			flat washer
20	000300785	2			cup point set screw



XV-4103178/-  
01-06-2017

**unit wheel**

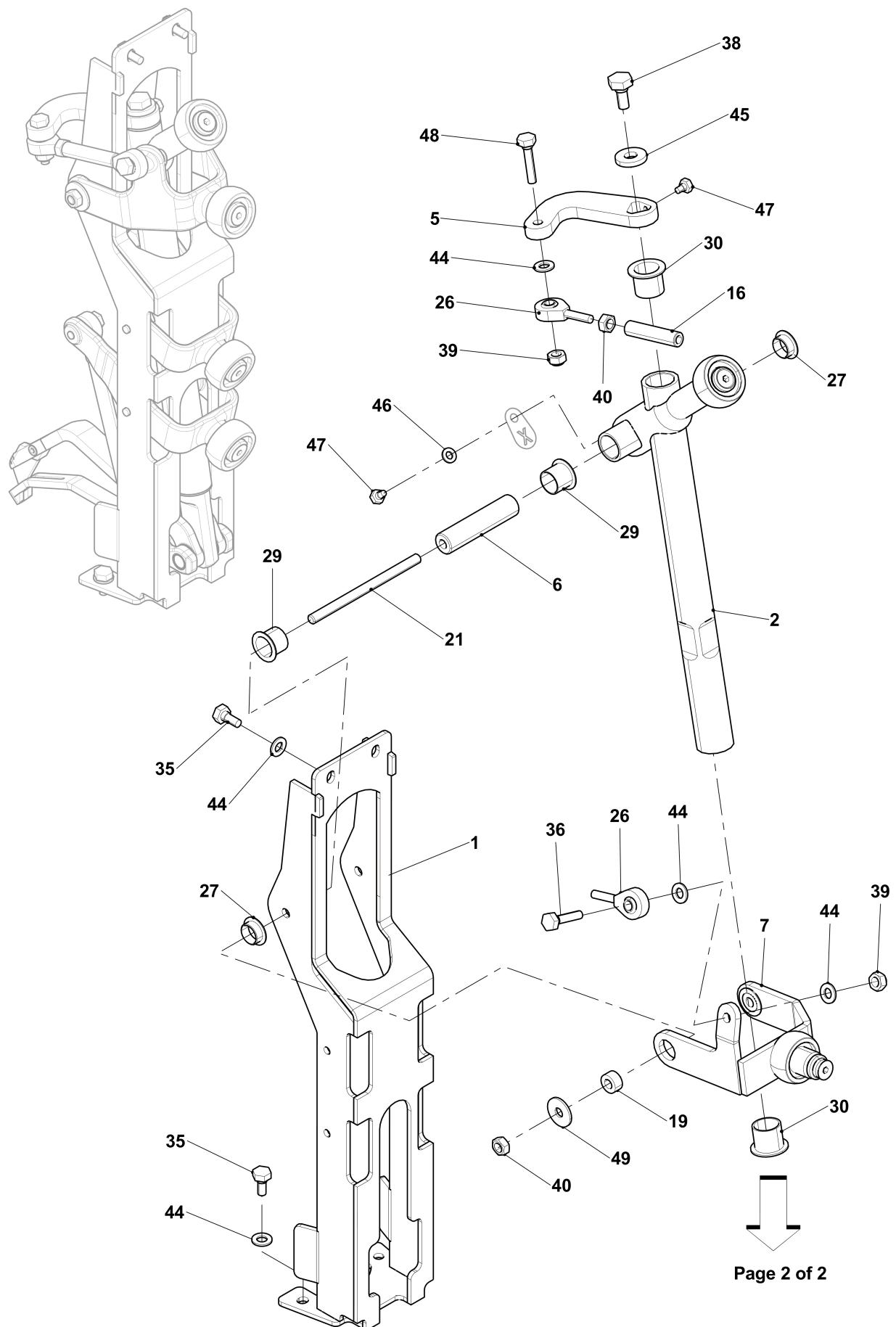
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4103179	1			unit wheel
2	3858061	1			bearing sleeve
4	3835290	1			bearing housing
5	3934876	1			plate
6	3934877	1			plate
7	3835373	1			plate
8	3853596	1		E	cover plate
10	003431773	1		D	ball groove bearing
11	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



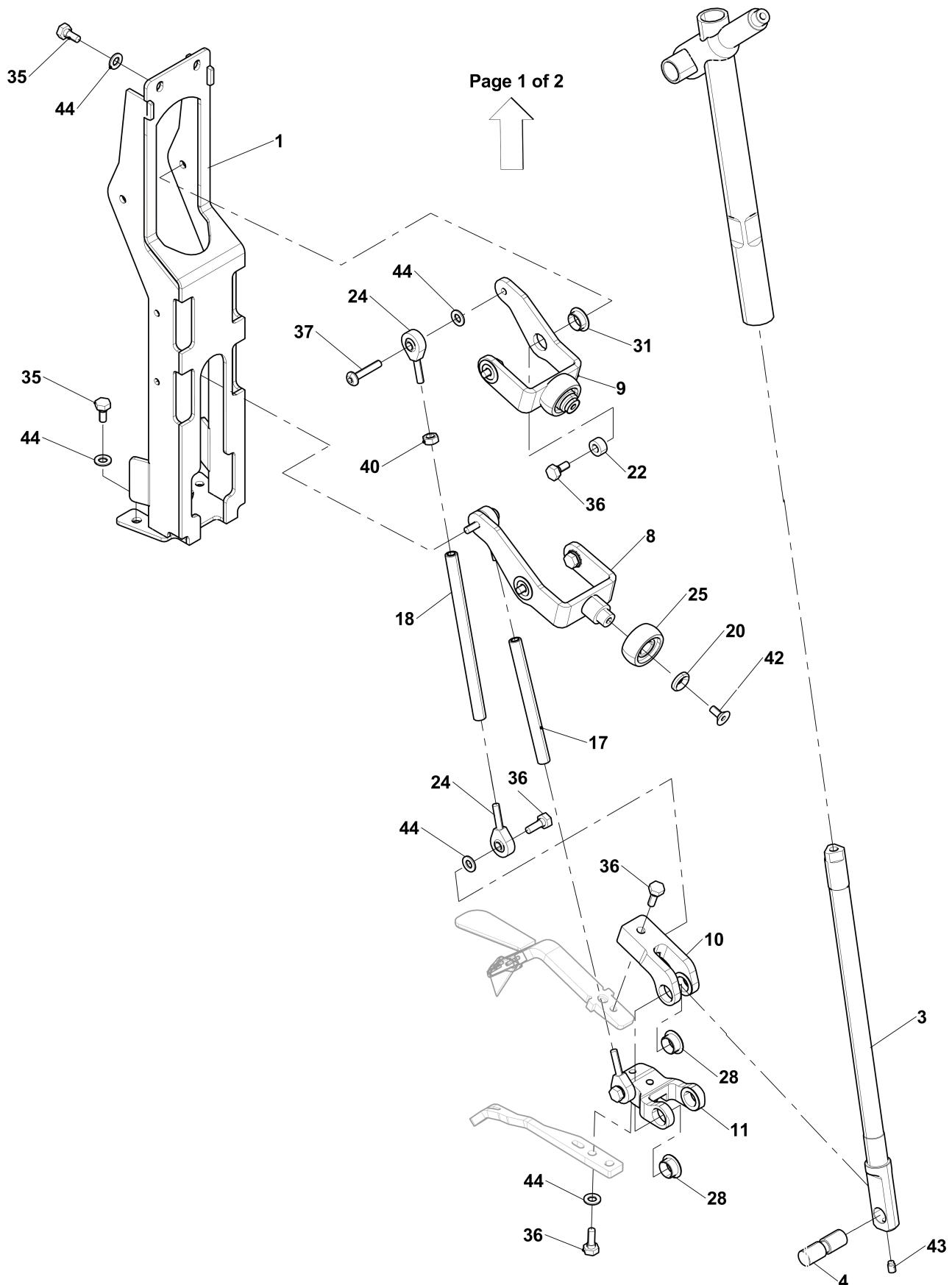
XV-4103032/-  
09-06-2017

**wheel**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3836755	1			bushing
3	4054443	1			cover plate
4	3838236	15			shaft
5	4103035	15			mounting
6	4103034	1			plate
7	4103033	1			wheel
8	3853332	1			bearing sleeve
9	3836753	1			cover plate
10	3836752	1		E	cover plate
11	000138185	15			tap bolt
12	000138187	30			tap bolt
13	000138239	4			tap bolt
14	000138234	4			tap bolt
15	000350209	8			flat washer
16	000350208	45			flat washer
20	002230031	1		D	V ring seal
24	003431824	2		D	ball groove bearing
26	080243015	1		D	slotted nut
30	080383015	1		D	nut lock washer
35	000302795	1		D	dog point set screw



XV-4172556/A  
2-06-2017 Page 1 of 2



XV-4172556/A  
12-06-2017 Page 2 of 2

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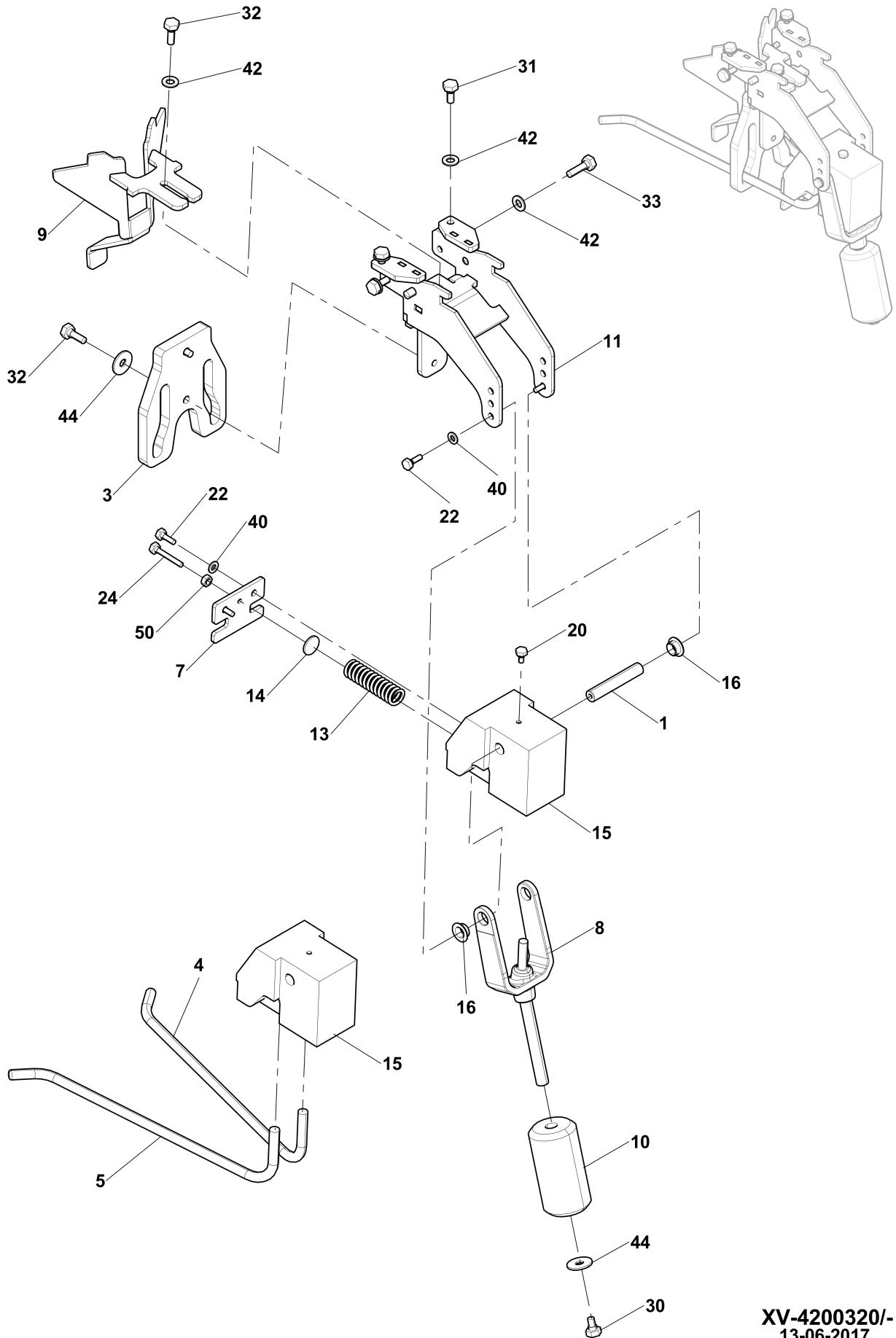
## upper unit

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4133808	1			frame
2	4172558	1		B	arm
3	4172561	1		BE	special shaft
4	4172560	1		E	special shaft
5	3867865	1			control plate
6	3834533	1		E	special shaft
7	3868032	1			lever
8	3868085	1			lever
9	3868113	1			lever
10	4172552	1		B	mounting
11	4172554	1		B	mounting
16	3834535	1			pull rod
17	3834543	1			pull rod
18	3834538	1			pull rod
19	4050058	2		E	bushing
20	611959	4		E	counter bore ring
21	3845338	1			rod with threaded ends
22	3872352	4		E	bushing
24	090100650	4		C	ball joint rod end
25	090100268	4		BC	crowned ball bearing
26	090100650	2		D	ball joint rod end
27	3845512	2		E	bearing flange sleeve
28	4172551	4		D	bearing flange sleeve
29	090101463	2		BE	bearing flange sleeve
30	090101464	2		BE	bearing flange sleeve
31	090101477	4		E	bearing flange sleeve
35	000138185	4			tap bolt
36	000138187	9		D	tap bolt
37	090600641	2		BD	socket cap button screw
38	000138237	1			tap bolt
39	000163350	3		D	lock nut
40	000185070	5			nut
42	000254359	4		C	socket cap flat head screw
43	000302764	1		D	dog point set screw
44	000350208	10			flat washer
45	000351156	1			flat washer
46	000350207	1			flat washer
47	000138132	2			tap bolt
48	000138193	1		E	tap bolt
49	000351442	2			flat washer



**blade holder**

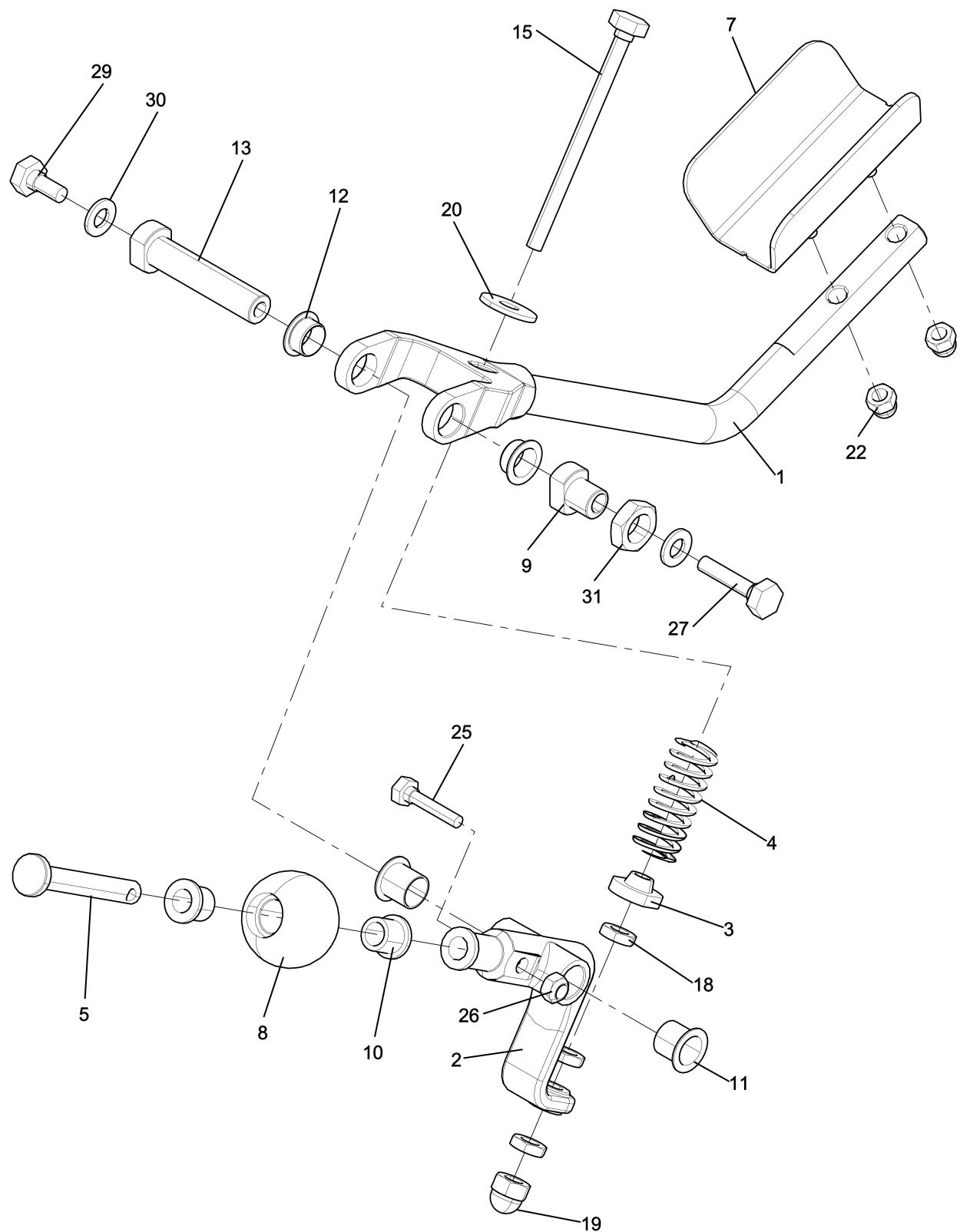
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3842487	1		E	cylindrical pin
2	3894003	1		B	press-on block
3	4166044	1			blade holder
4	091400497	1		A	flat blade
10	000251692	1		A	socket cap screw
15	000138187	1			tap bolt



XV-4200320/-  
13-06-2017

**lifting unit**

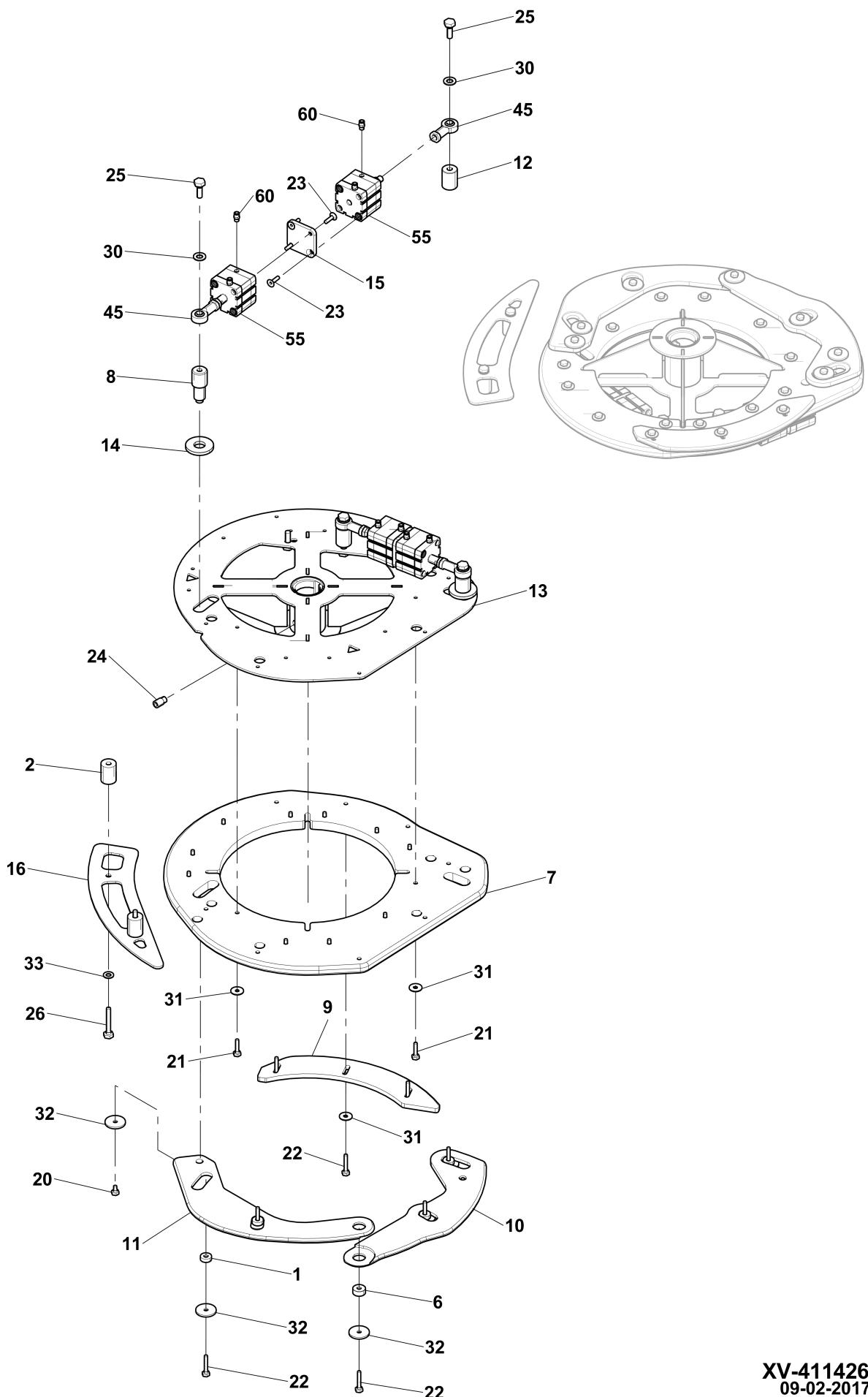
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	0261467	1		E	shaft
3	3863799	1		E	plate
4	3832539	1		BE	product holder
5	3832540	1		BE	product holder
7	3834261	1			plate
8	3861198	1			arm
9	4189351	1			back plate
10	3906870	1		C	roller
11	3846620	1			mounting
13	3925145	1		BD	compression spring
14	3925207	1			disc
15	3925944	1			block
16	3969091	2		D	bearing flange sleeve
20	000138133	1			tap bolt
22	000138135	4		E	tap bolt
24	000138143	1		E	tap bolt
30	000138184	1		C	tap bolt
31	000138185	2		E	tap bolt
32	000138187	3			tap bolt
33	000138189	2		C	tap bolt
40	000350207	4			flat washer
42	000350208	5			flat washer
44	000351442	3			flat washer
50	000185069	1			nut



XV-3836638/G  
29-02-2012

**presser**

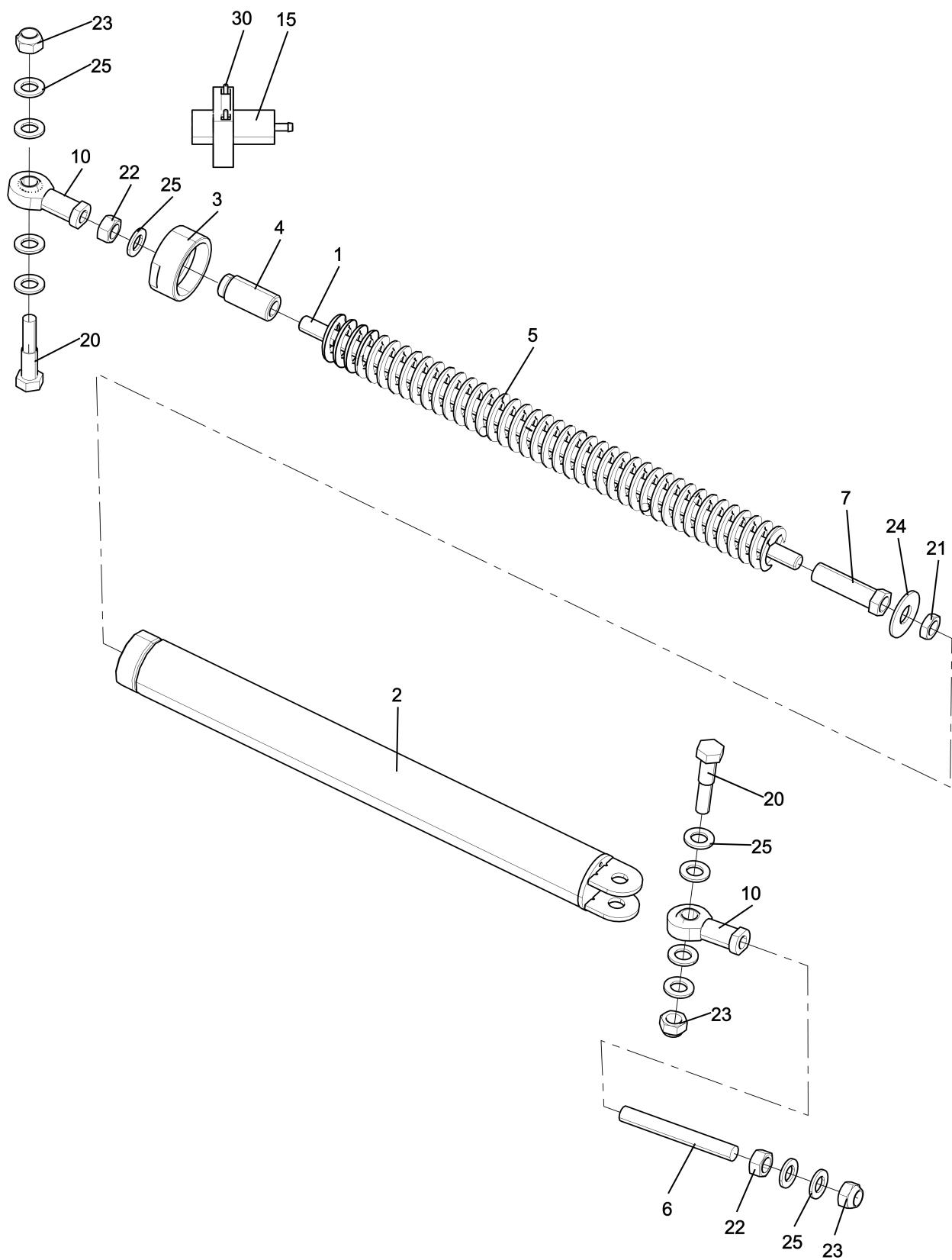
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3844667	1			presser
2	3966100	1			pivot
3	3947083	1			pressure ring
4	3946684	1		BD	compression spring
5	3816128	1		D	shaft
7	3868456	1			presser
8	542373	1		E	cam roller
9	3931859	1			eccentric
10	090101517	2		D	bearing flange sleeve
11	090101461	2		D	bearing flange sleeve
12	4172551	2		D	bearing flange sleeve
13	3931870	1		E	shaft
15	000138268	1			tap bolt
18	090600066	3			nut
19	000205703	1			acorn nut
20	000351443	1			flat washer
22	000205702	2			acorn nut
25	000138193	1			tap bolt
26	000163350	1		D	lock nut
27	000138245	1			tap bolt
29	000138237	1			tap bolt
30	000350209	2			flat washer
31	090600084	1			nut



XV-4114268/-  
09-02-2017

**cam**

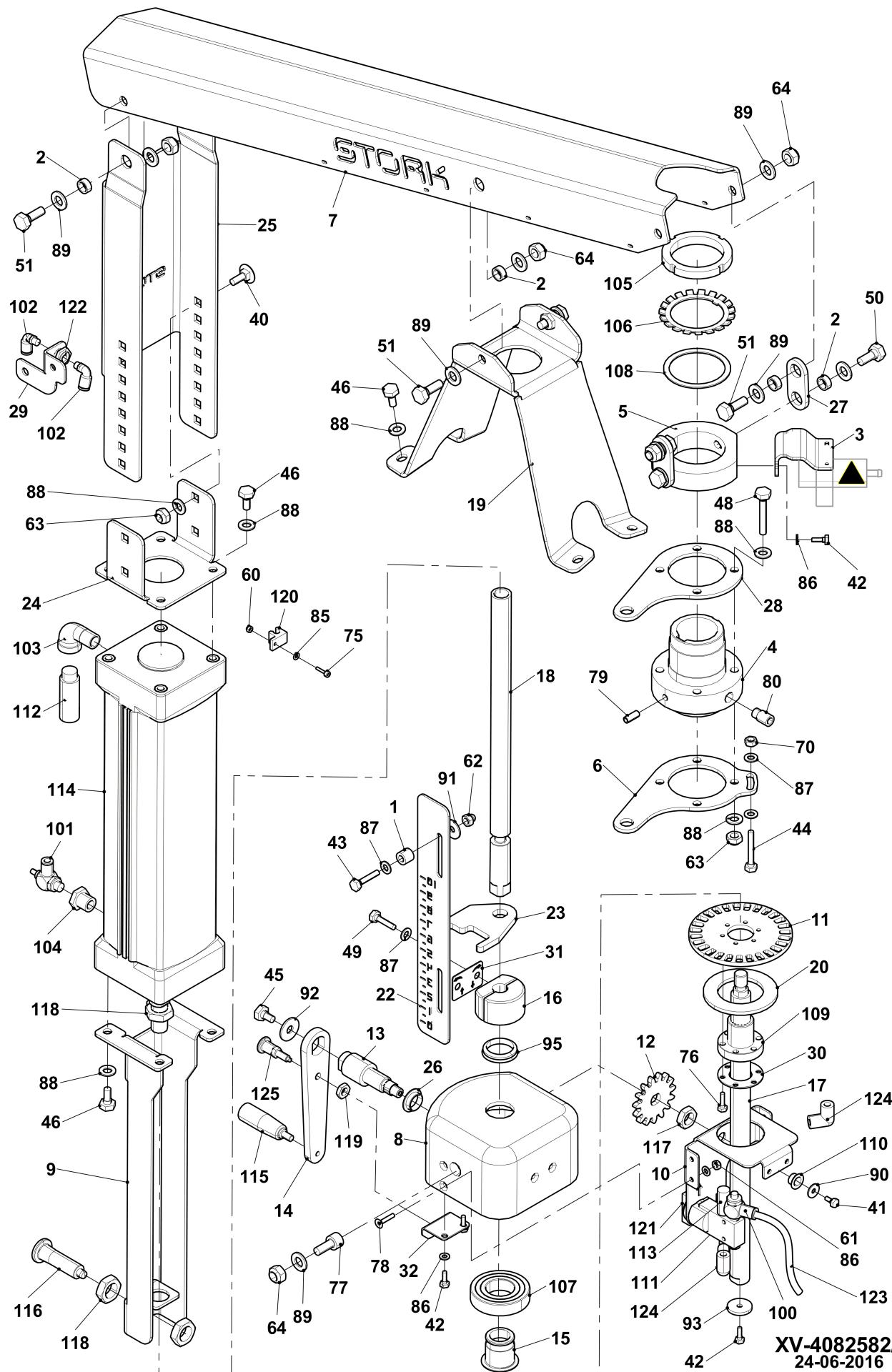
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	600989	4			bushing
2	117743	2			bushing
6	3843494	1			bushing
7	3848929	1		E	cam
8	3843615	2			special shaft
9	3846045	1		E	cam plate
10	3867834	1		E	cam plate
11	3849192	1		E	cam plate
12	3848925	2			shaft
13	3849189	1			cam holder
14	3848662	2			washer
15	4113978	2			plate
16	3850577	1			plate
20	000138184	2			tap bolt
21	000138191	12			tap bolt
22	000138195	8			tap bolt
23	000254361	8		BE	socket cap flat head screw
24	000302795	1		D	dog point set screw
25	000138291	6			tap bolt
26	000138253	2			tap bolt
30	000350210	6			flat washer
31	000351442	15			flat washer
32	000934112	7			flat washer
33	000350209	2			flat washer
45	090100649	4		E	ball joint rod end
55	400004725	4		BE	air cylinder
60	002330904	8		BE	male straight 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



XV-4082582/B  
24-06-2016

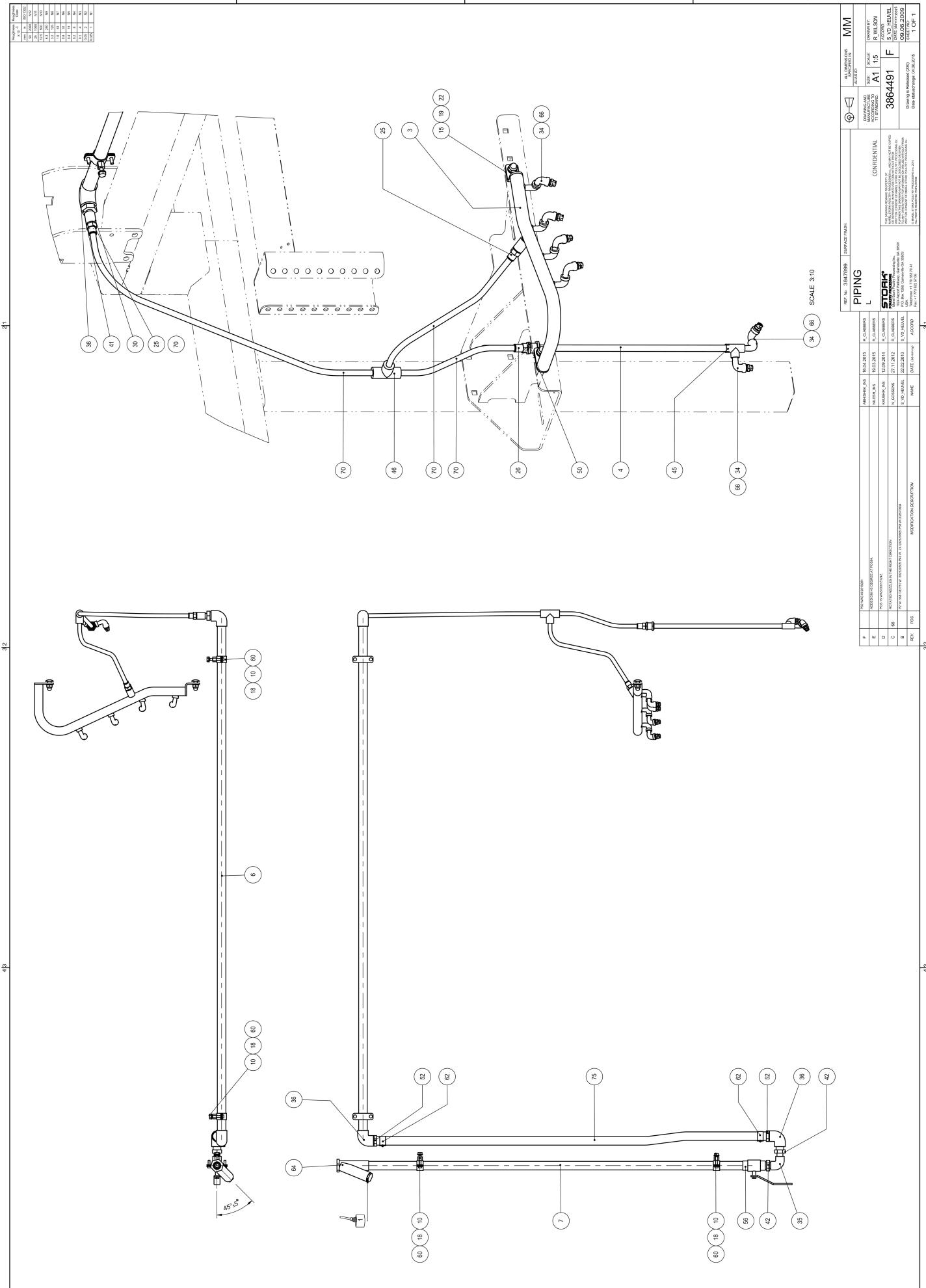
## height adjustment

<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

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## 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



## piping

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
3	3847814	1			tubing
4	3847588	1			threaded pipe
6	3864414	1			threaded pipe
7	3921155	1			threaded pipe
10	000138184	4			tap bolt
15	000131243	2			carriage bolt
18	000350208	4			flat washer
19	000350209	2			flat washer
22	000207502	2			acorn lock nut
25	002330442	2			male straight connector
26	002330912	1			male straight connector
30	002520503	1			straight pipe coupling
34	002520673	11			elbow
35	002520534	1			elbow
36	002520535	3			elbow
41	002520573	1			reducing nipple
42	002520527	2			reducing nipple
45	002520622	1			tee fitting
46	002330765	1			union tee connector
50	002330195	1			panel mounting fitting
52	002520753	2			hose coupling
56	002609313	1			ball valve
60	002803540	4			pipe support bracket
62	002819403	2		E	hose clamp
64	003855113	1			filter
66	090250849	6		D	flat jet spray nozzle
70	004171090	1	1800 MM	E	pneumatic hose
75	090450263	1	1400 MM	E	hose

21

TOP VIEW LEFT HAND VERSION

(47°)

15

10 5

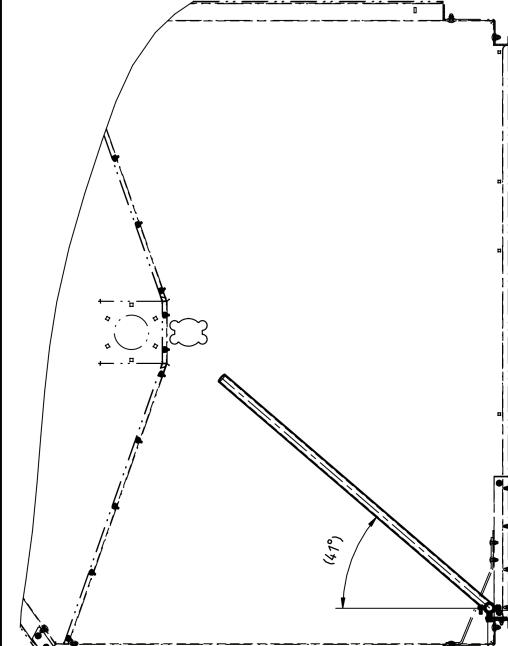
TOP VIEW RIGHT HAND VERSION

15

5 10

312

C

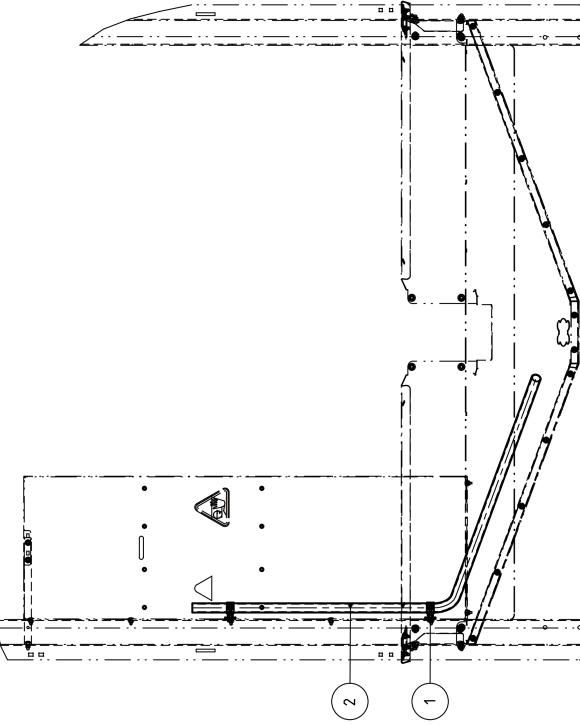


TOP VIEW RIGHT HAND VERSION

15

5 10

B



21

REF. NO.		SURFACE FINISH	MM	
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			DATE DRAWN:	17.06.2009
			Drawing Status/Change:	230
			Sheet No.:	1 OF 1

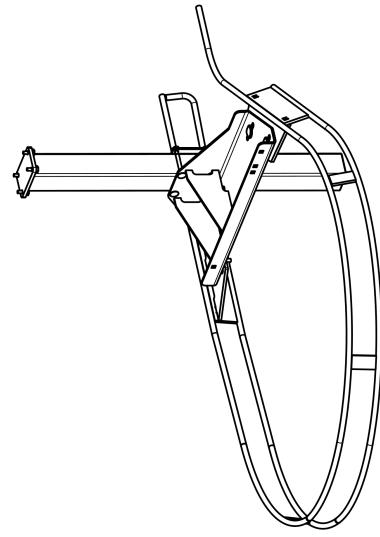
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21

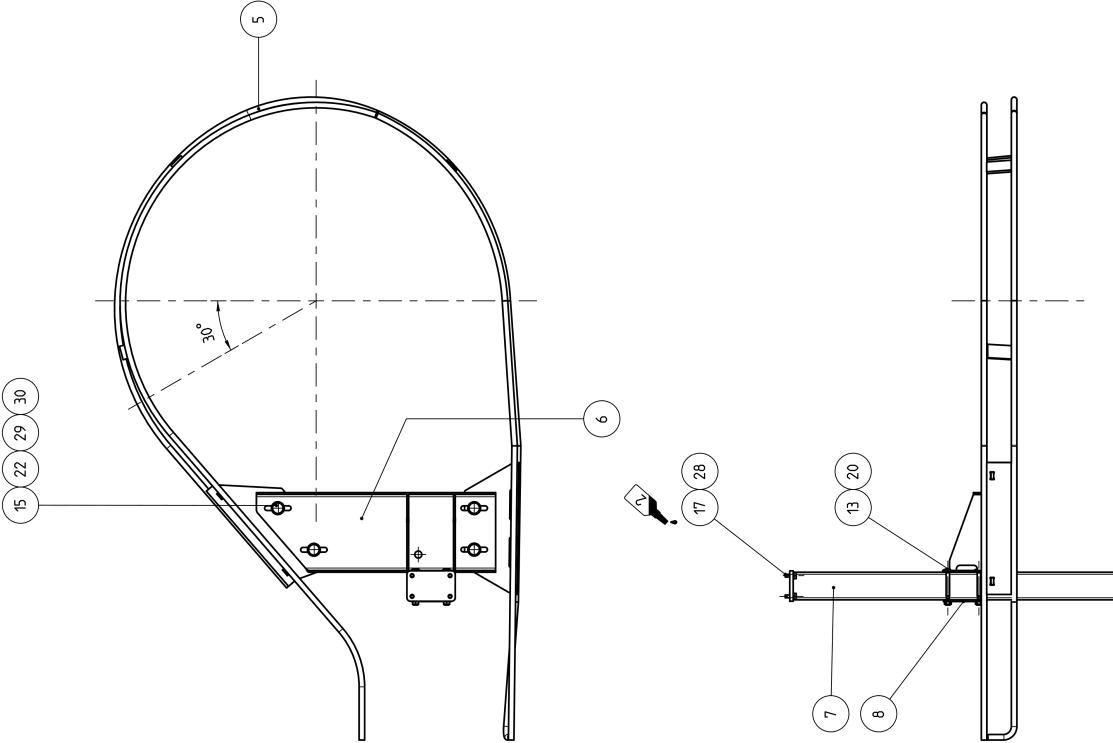
## piping

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3873908	2			plate
2	3865138	1			special pipe
5	000138184	2			tap bolt
10	000350208	2			flat washer
15	002803540	2			pipe support bracket

2|1



3 | 2



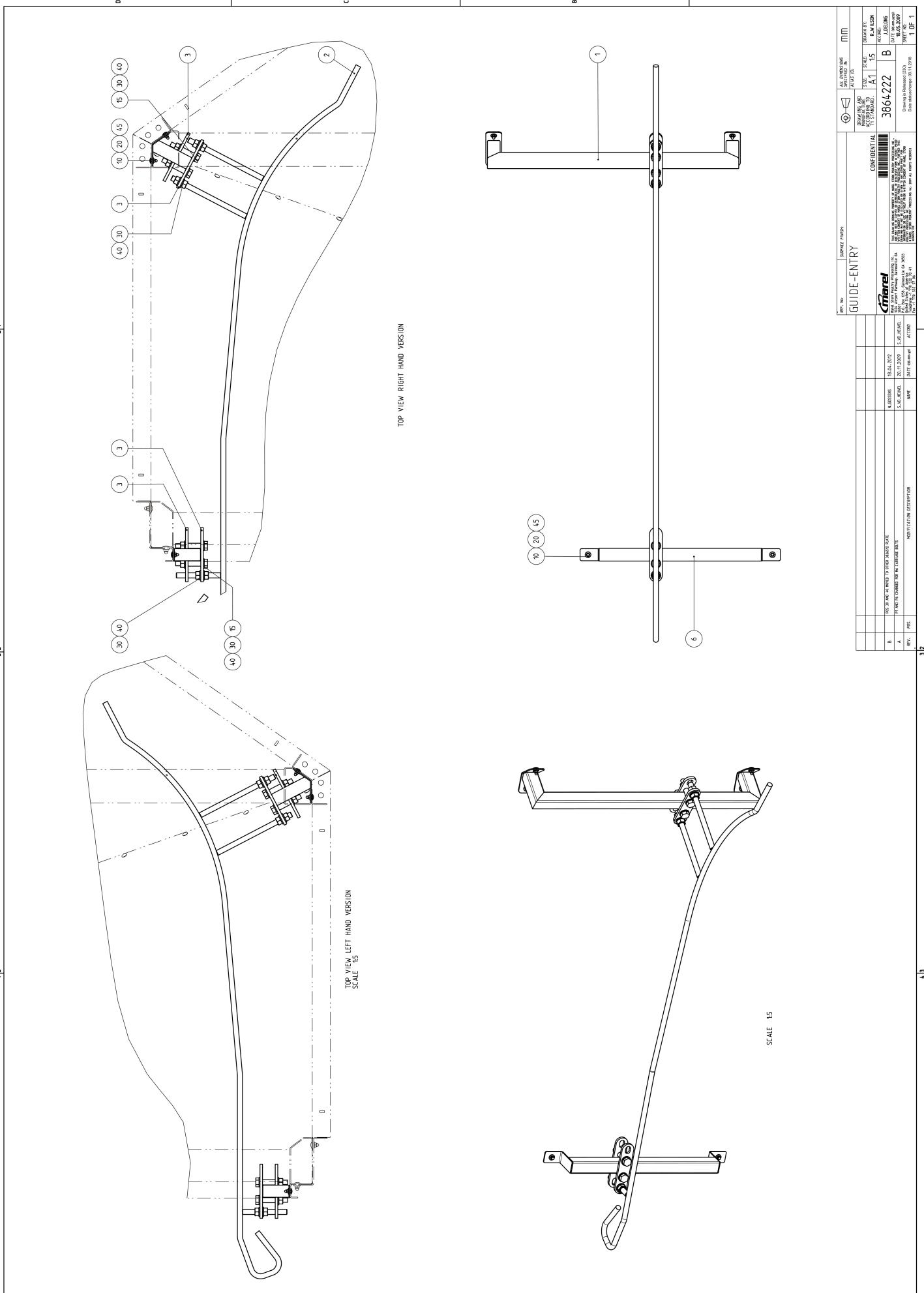
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		A2	1:10	R.W. WILSON A/C 006 S.V.D. HEUVEL DATE (ESTIMATED): 03.06.2009	
		<b>3864-110</b>	E	SHEET NO.: 1 OF 1	
		Drawing Received (230)			
		Date Status Change (19.05.2017)			
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Drawing number 3864110  
23-10-2019

Page 51

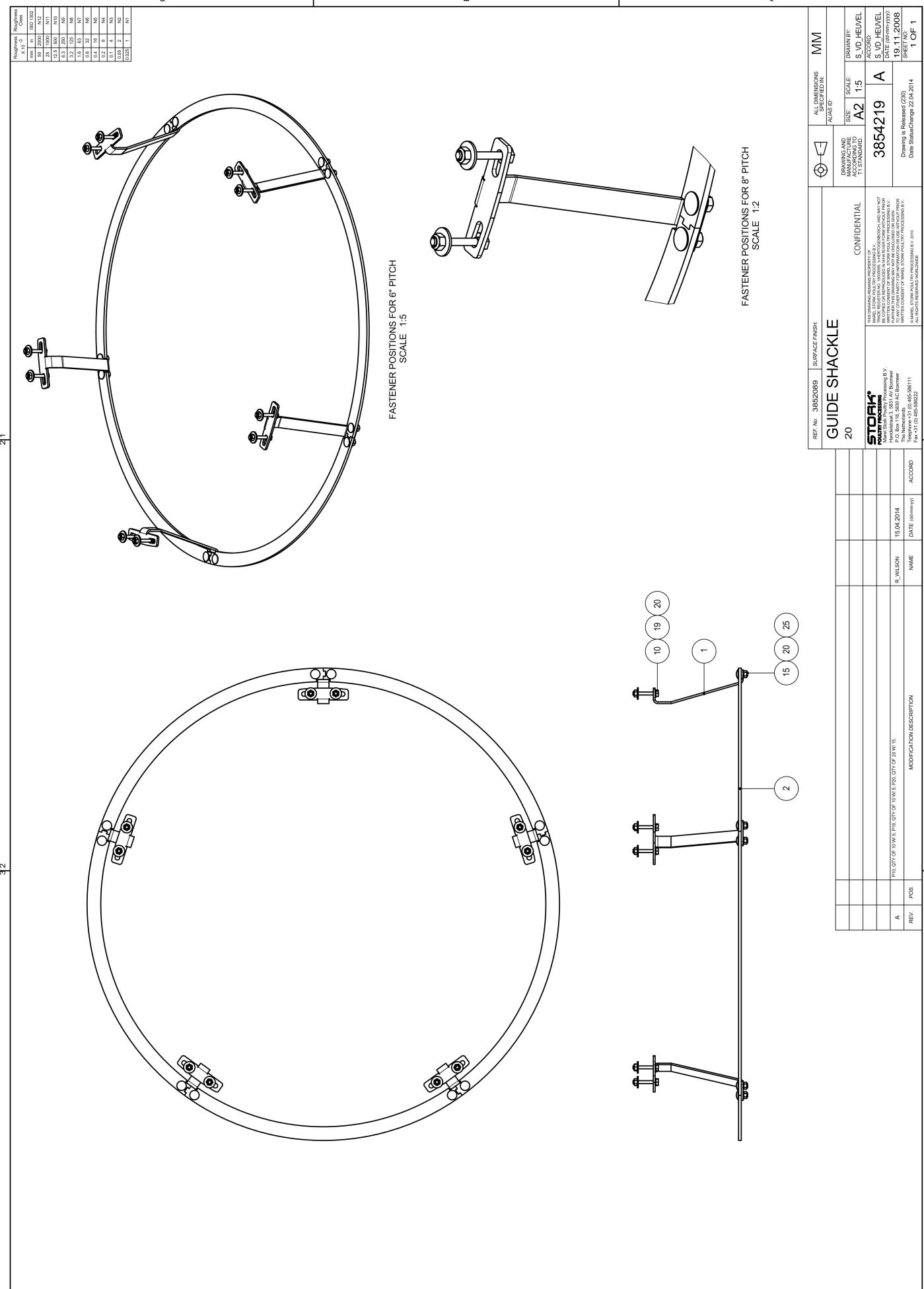
**guide**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
5	3850722	1		E	shackle guide
6	3864119	1			support
7	3874241	1			support
8	3864068	1			closing strip
13	000131256	4			carriage bolt
15	000131266	4			carriage bolt
17	000138239	4			tap bolt
20	000163351	4			lock nut
22	000163352	4			lock nut
28	000350209	4			flat washer
29	000351444	4			flat washer
30	000350214	4			flat washer



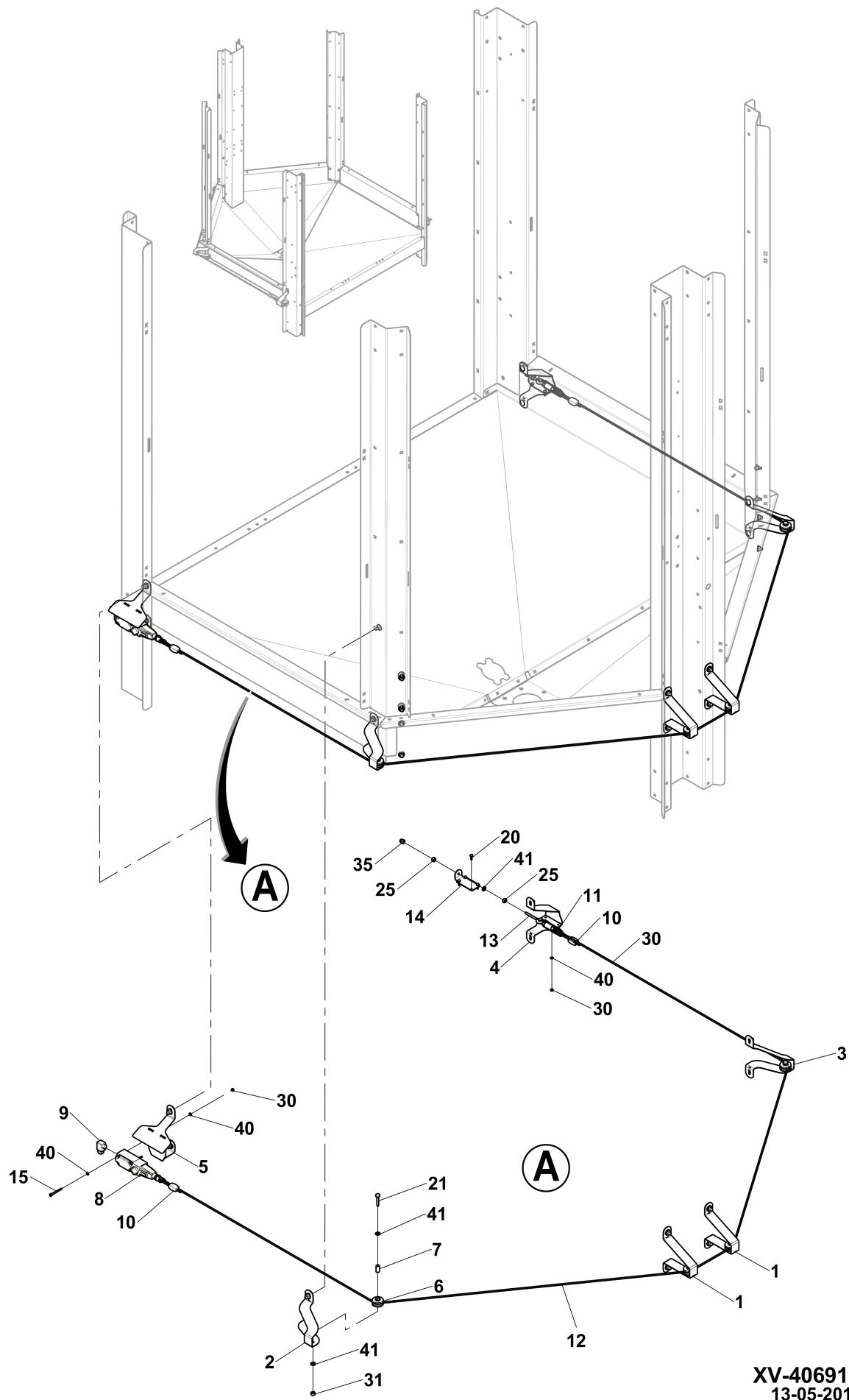
## entry guide

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3863626	1			support
2	3864234	1			guide
3	3836512	4			clamping plate
6	3864240	1			support
10	000131201	6			carriage bolt
15	000137149	4			bolt
20	000351441	6			flat washer
30	000350212	14			flat washer
40	000185074	10			nut
45	000207500	6			acorn lock nut



## shackle guide

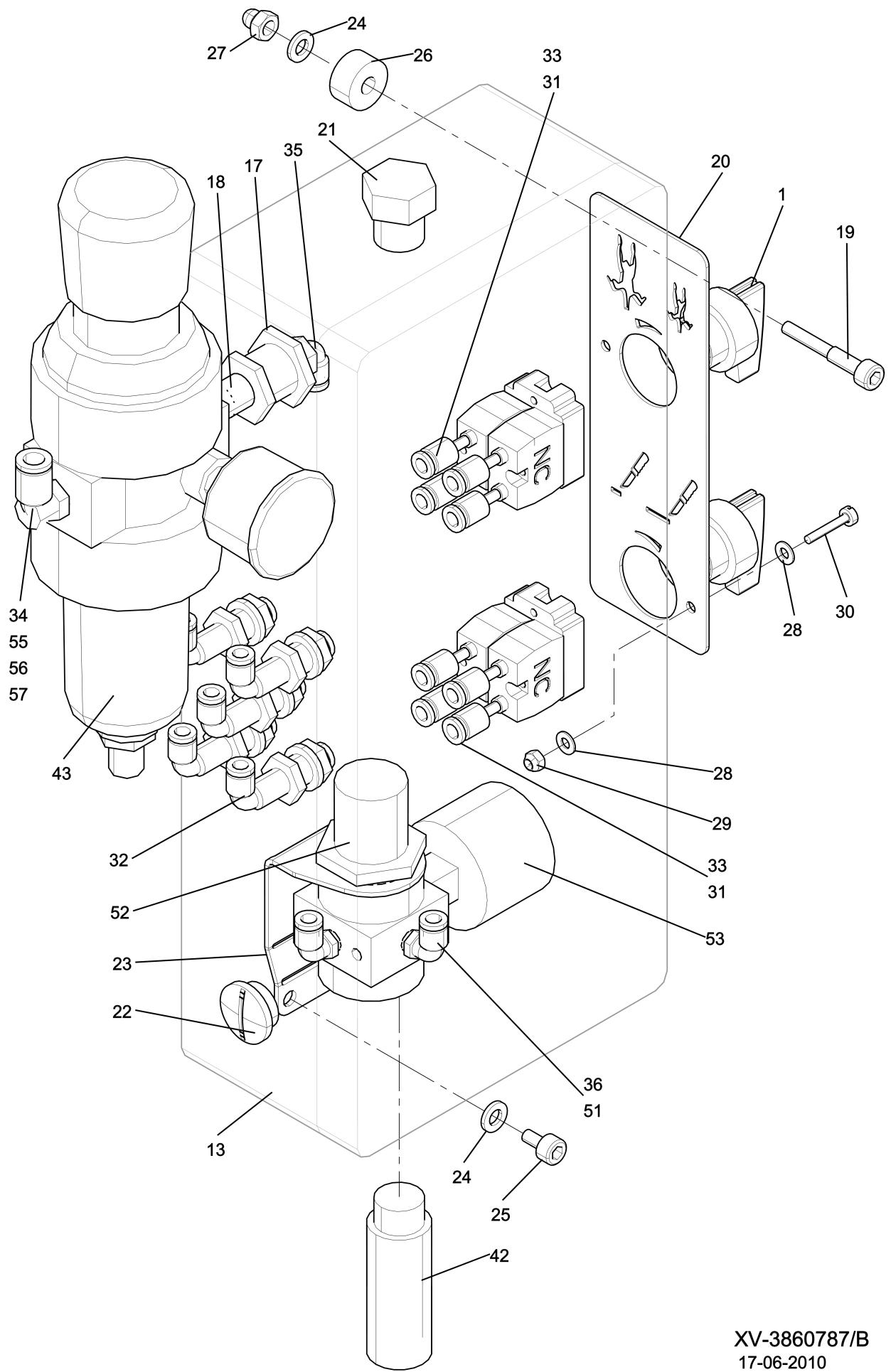
<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3854062	5			bracket
2	3854065	5			ring segment
10	000138199	10			tap bolt
15	000131222	10			carriage bolt
19	000351442	10			flat washer
20	000350208	20			flat washer
25	000163350	15			lock nut



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

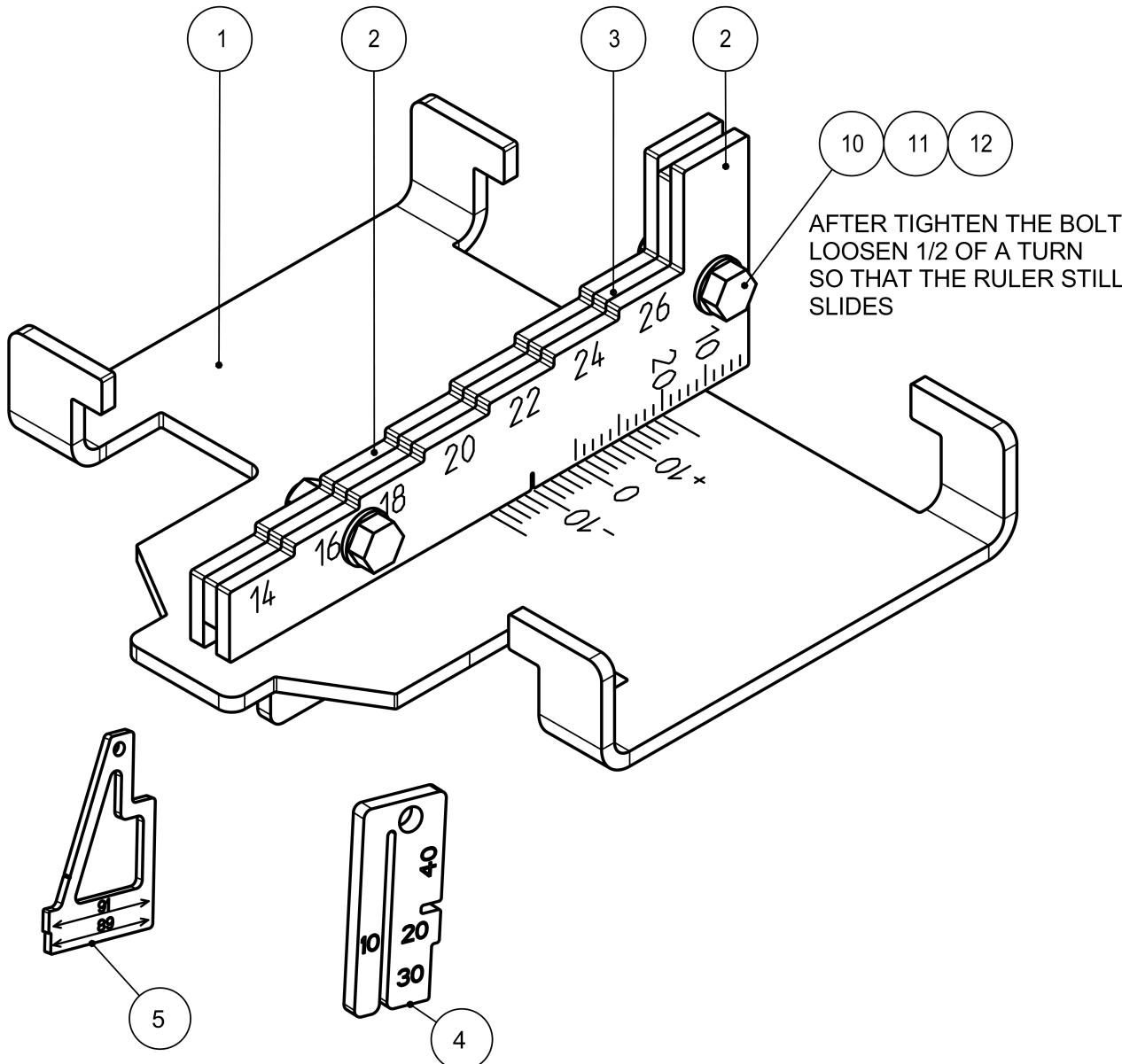


XV-3860787/B  
17-06-2010

## operator panel

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	3812150	2		BE	selector switch
2	3860403	1			support
3	3855471	1			box
5	3851149	1			control plate
6	4792439	4			ring
7	002520517	1			pipe nipple
17	000350207	6			flat washer
18	000207500	4			acorn lock nut
20	000251823	2			socket cap screw
21	000251708	4			socket cap screw
25	000278602	2			slotted pan screw
26	000350205	4			flat washer
27	000163347	4			nut
30	002330195	1			panel mounting fitting
31	002330797	7		BE	union y connector
32	002330802	5		BE	bulkhead elbow connector
33	002330836	8		BE	reducing coupling piece
34	002330877	1		BE	male elbow connector
35	002330875	1		BE	male elbow connector
36	002330874	2		BE	male elbow connector
37	095047170	1			blank plug
38	090261856	1			stopper
42	090255313	1		BE	silencer
43	090255639	1		B	filter/pressure regulator
51	004171102	1	30000 MM	E	pneumatic hose
52	090255628	1		B	pressure regulator
53	002670980	1		E	pressure measurement instrument
55	004171008	1	3500 MM	E	pneumatic hose
56	002330763	1		BE	union tee connector
57	3876585	1			terminal jumper bar

REV.	MODIFICATION DESCRIPTION	NAME	DATE (dd-mm-yy)	ACCORD
A	ADDED ITEM# 4 AND 5	A_GEOERGE	24.05.2016	



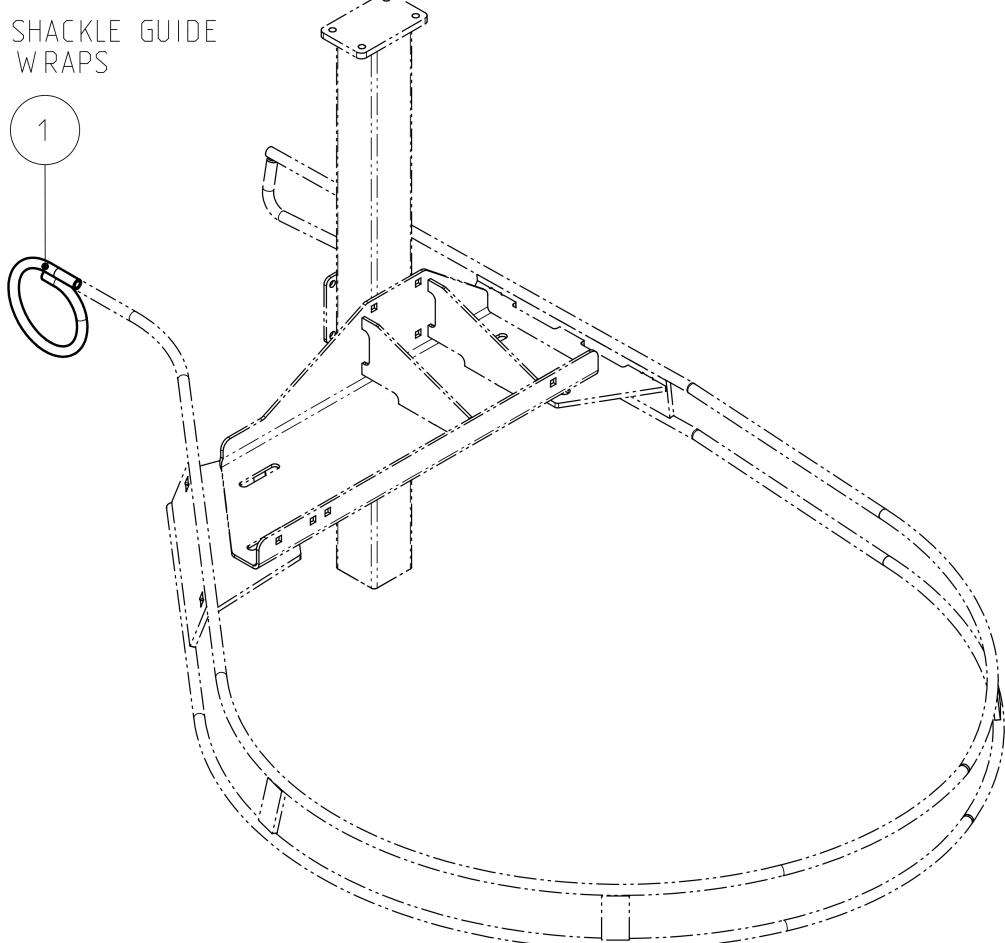
REF. No: 4135486	SURFACE FINISH:	ALL DIMENSIONS SPECIFIED IN: MM		
<b>FIXTURE-ASSEMBLY</b>		ALIAS ID:		
VO-NUOVA - +20		DRAWING AND MANUFACTURE ACCORDING TO T1 STANDARD.		
CONFIDENTIAL		SIZE: A4	SCALE: 1:1	DRAWN BY: R_WILSON
<b>STORK®</b> <b>POULTRY PROCESSING</b> Marel Stork Poultry Processing B.V. Handelstraat 3, 5831 AV Boxmeer P.O. Box 118, 5830 AC Boxmeer The Netherlands Telephone +31 (0) 485-586111 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	4189438	A	ACCORD: DATE (dd-mm-yyyy): 10.09.2014 Drawing is Released (230) Date StatusChange 08.07.2016 SHEET NO: 1 OF 1

## **assembly fixture**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4189437	1			assembly fixture
2	3862692	2			assembly fixture
3	3862830	1			plate
4	4236741	1			inspection fixture
5	4236742	1			inspection fixture
10	000138105	2			tap bolt
11	000163348	2			lock nut
12	000350206	4			flat washer

REV.	MODIFICATION DESCRIPTION	NAME	DATE (dd-mm-yy)	ACCORD

MOUNT ON SHACKLE GUIDE  
WITH TIE WRAPS

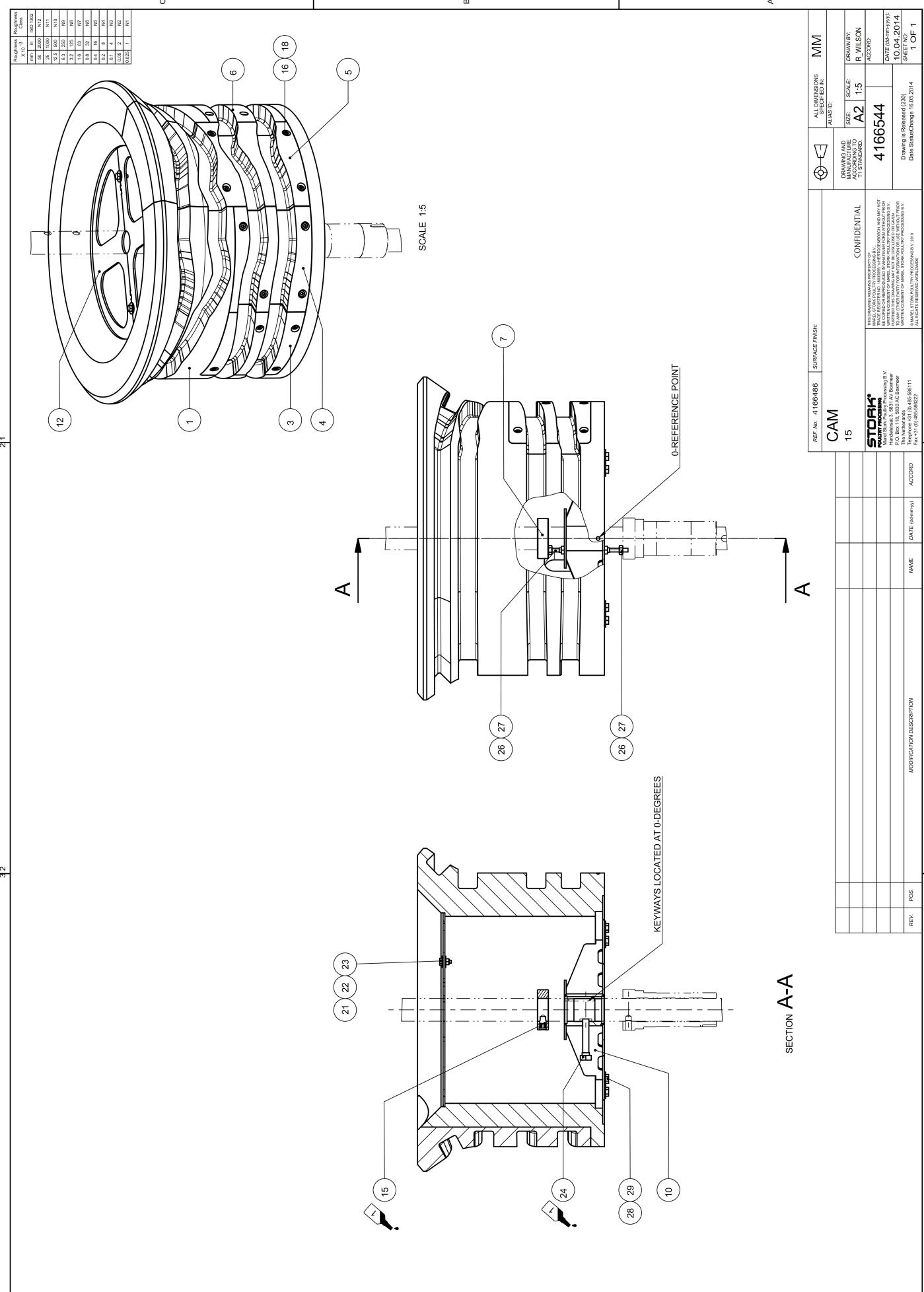


REMOVE P1 AFTER INSTALLATION

REF. No:	SURFACE FINISH:	CONFIDENTIAL	DRAWING AND MANUFACTURE ACCORDING TO T1 STANDARD.	ALL DIMENSIONS SPECIFIED IN:	MM
<b>SAFETY COMPONENTS</b>				ALIAS ID:	
<b>STORK®</b> <b>POULTRY PROCESSING</b> Marel Stork Poultry Processing B.V. Handelstraat 3, 5831 AV Boxmeer P.O. Box 118, 5830 AC Boxmeer The Netherlands Telephone +31 (0) 485-586111 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		SIZE: <b>A4</b>	SCALE: 1:10	DRAWN BY: S_VD_HEUVEL
				<b>3881158</b>	ACCORD: -
					DATE (dd-mm-yyyy): <b>19.03.2010</b>
					SHEET NO: 1 OF 1
					-

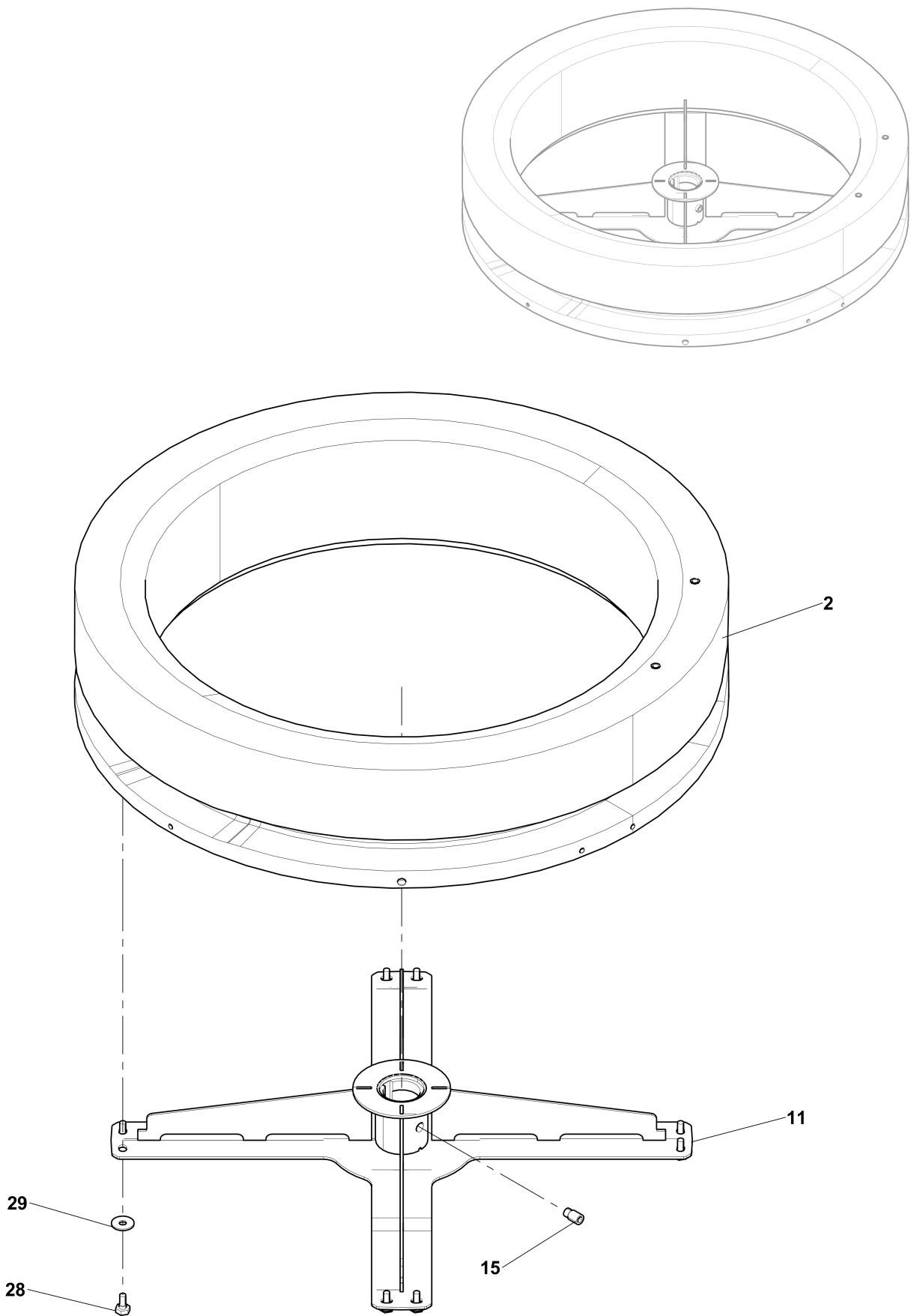
## **safety components**

<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	090250580	1	500 MM		hose



**cam**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
1	4166484	1		E	cam drum
3	4166483	1		E	cam insert
4	4166485	1		E	cam insert
5	4166540	1		E	cam insert
6	4166482	1		E	cam insert
7	3839590	1			shaft collar
10	3848788	1			cam holder
12	3836834	2			plate
15	000302795	1		E	dog point set screw
16	000251720	16			socket cap screw
18	000350208	16			flat washer
21	000138187	2			tap bolt
22	000163350	2			lock nut
23	000351442	4			flat washer
24	000138410	1			tap bolt
26	000185071	2			nut
27	000138247	2			tap bolt
28	000138237	8			tap bolt
29	000351443	8			flat washer



XV-3867739/-  
09-02-2017

**cam**

<b>Pos</b>	<b>Part number</b>	<b>Qty</b>	<b>Length/Unit</b>	<b>ABC</b>	<b>Description</b>
2	3851035	1		E	cam drum
11	3850763	1			cam holder
15	000302795	1		E	dog point set screw
28	000138237	8			tap bolt
29	000351443	8			flat washer

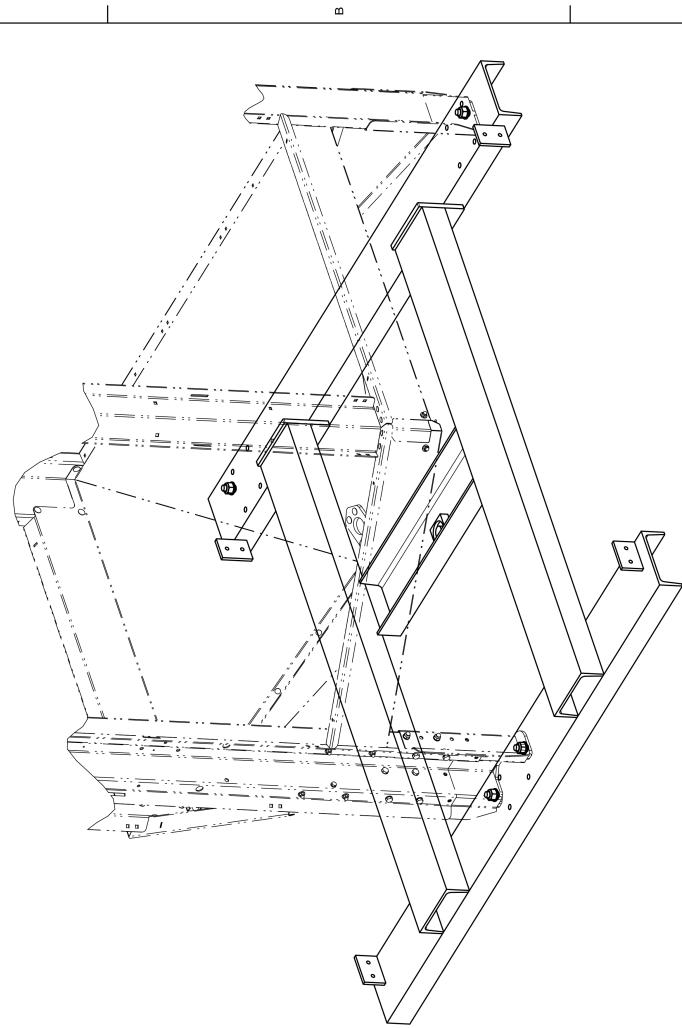
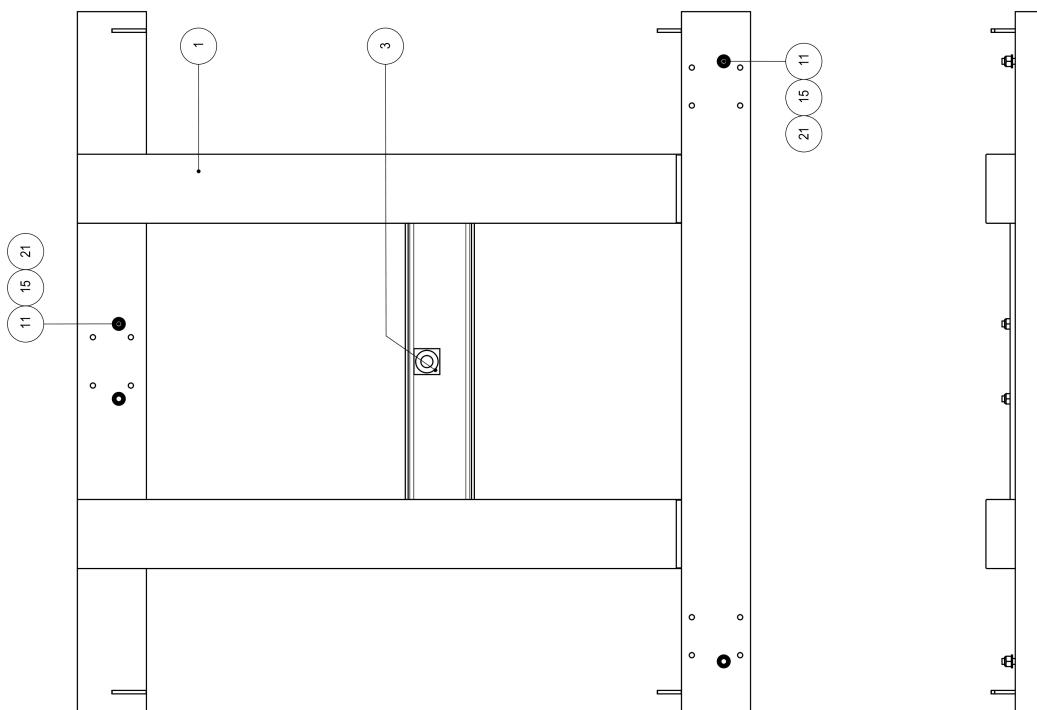
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## **spare parts kit**

<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	091400497	260			flat blade

21

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Dimensions		Material	
Ref	Value	Unit	Code
X-1	3	mm	ISD 3220
50	2000	in	N12
25	1000		N11
2.5	500		N10
8.3	250		N9
12.2	250		N8
1.6	65		N7
0.8	32		N6
0.4	16		N5
0.2	8		N4
0.1	4		N3
0.05	2		N2
0.025	1		N1

REF. No.	SURFACE FINISH:	MM
4053811	FRAME TRANSPORT	ALL DIMENSIONS SPECIFIED IN MM
		ALIAS ID:
		DRAWN BY: J. MODISSETTE
		SIZE: A2
		SCALE: 1:10
		ACC'D: J. DELONG
		DATE DRAWN: 07/02/2011
		DATE RELEASED: 07/02/2013
		STORK®
		MAINE STORK POLYTHENE PROCESSING INC. PO BOX 1208, GARDEN CITY, ME 04343-1208 PHONE: 207-832-0144 FAX: 207-832-3746
A	UPDATED DRAWINGS TO MATCH LEGEND/REVISION: REV. POS. MODIFICATION DESCRIPTION NAME DATE (dd/mm) ACC'D (dd/mm)	21 OF 1
		STORK POLYTHENE PROCESSING INC. 1000 W. 100th Street, Chicago, IL 60643 Phone: 773-274-2700 Fax: 773-274-2705
		WINTER 2009 STORK POLYTHENE PROCESSING INC. 1000 W. 100th Street, Chicago, IL 60643 Phone: 773-274-2700 Fax: 773-274-2705
		STORK POLYTHENE PROCESSING INC. 1000 W. 100th Street, Chicago, IL 60643 Phone: 773-274-2700 Fax: 773-274-2705

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