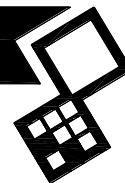


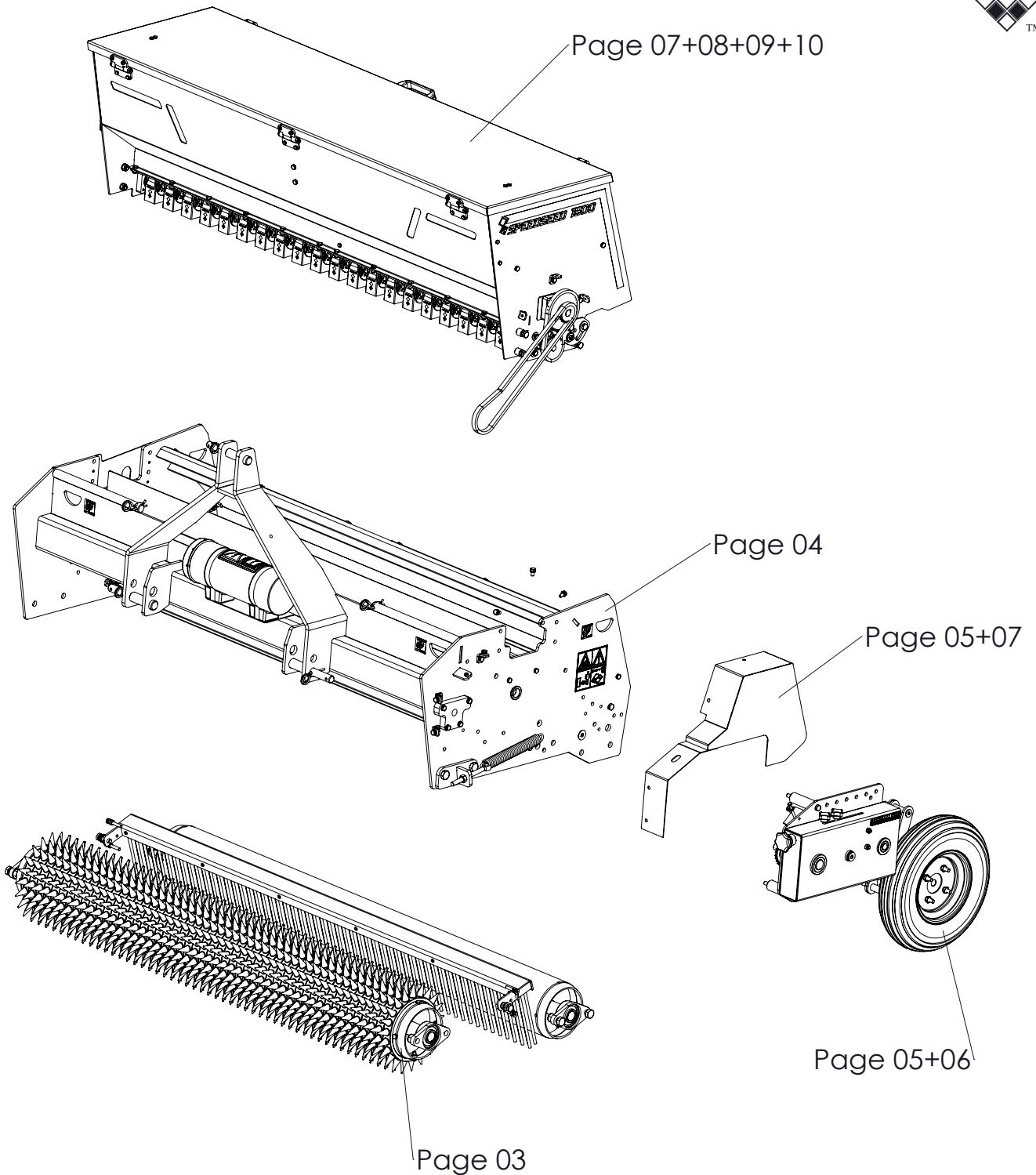
SPEEDSEED 1100-1500



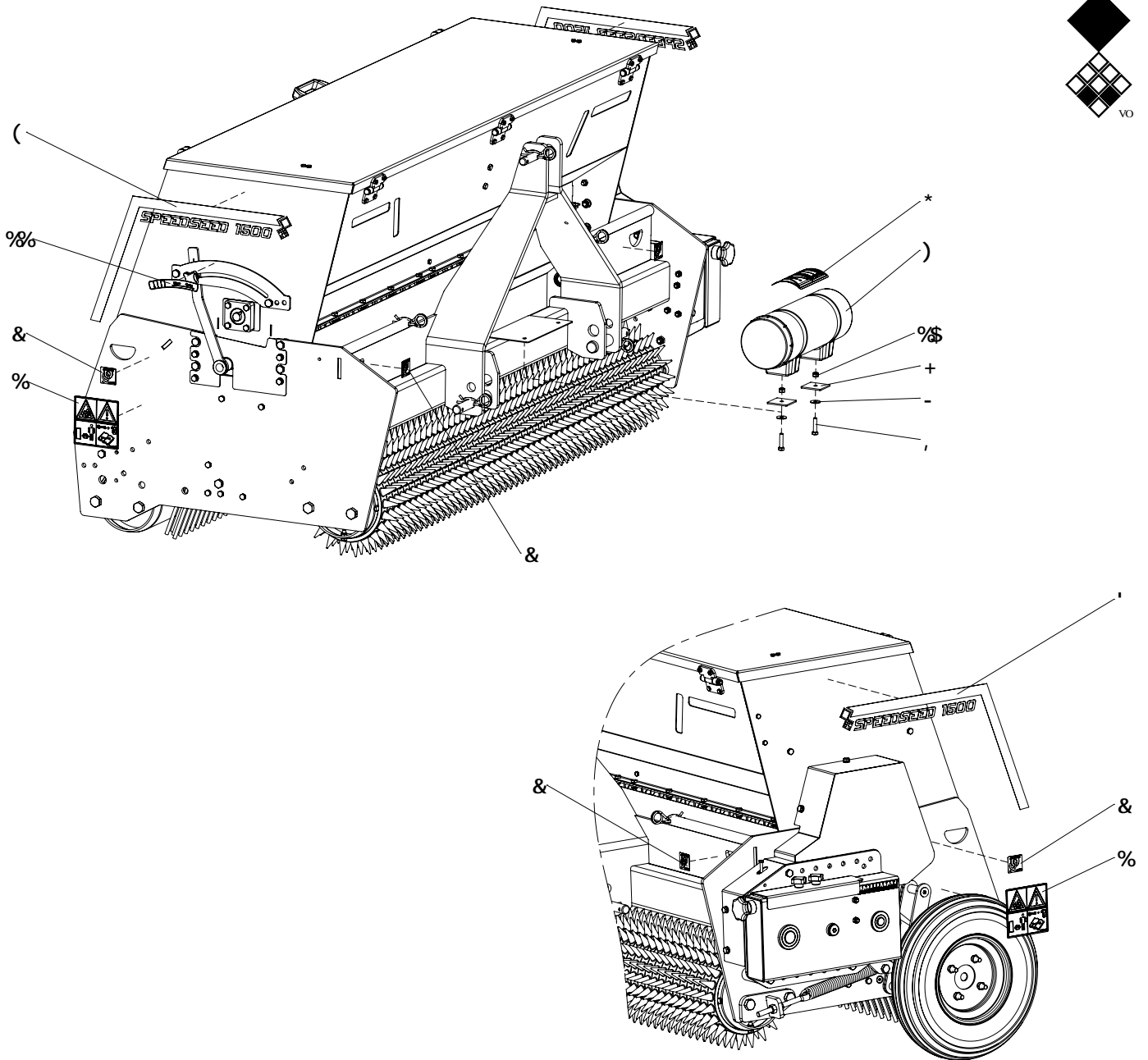
Version: 2142



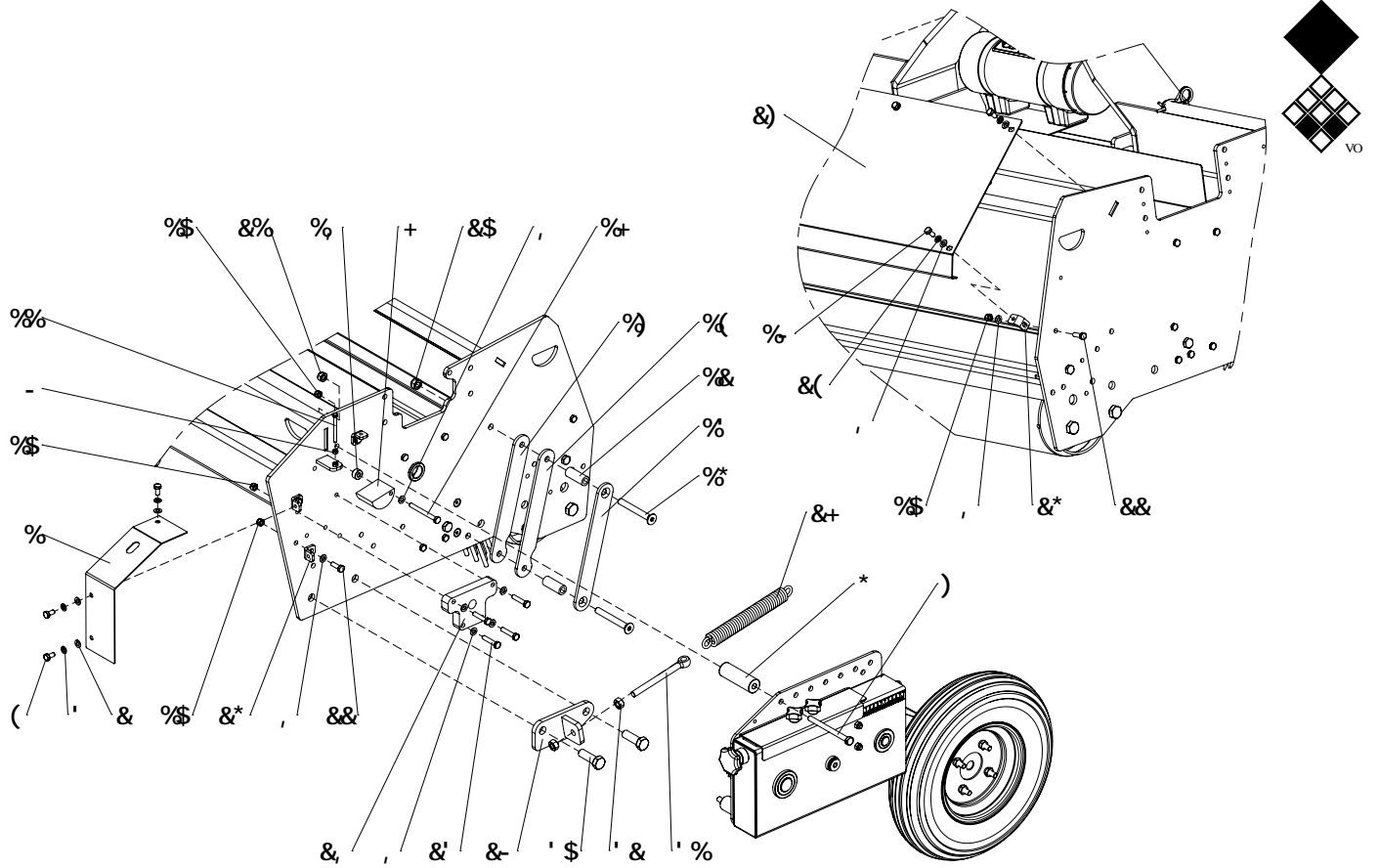
Kwekerijweg 8 | 3709JA | Zeist | The Netherlands |
T: +31 (0)306 933 227
E: redexim@redexim.com
W: www.redexim.com



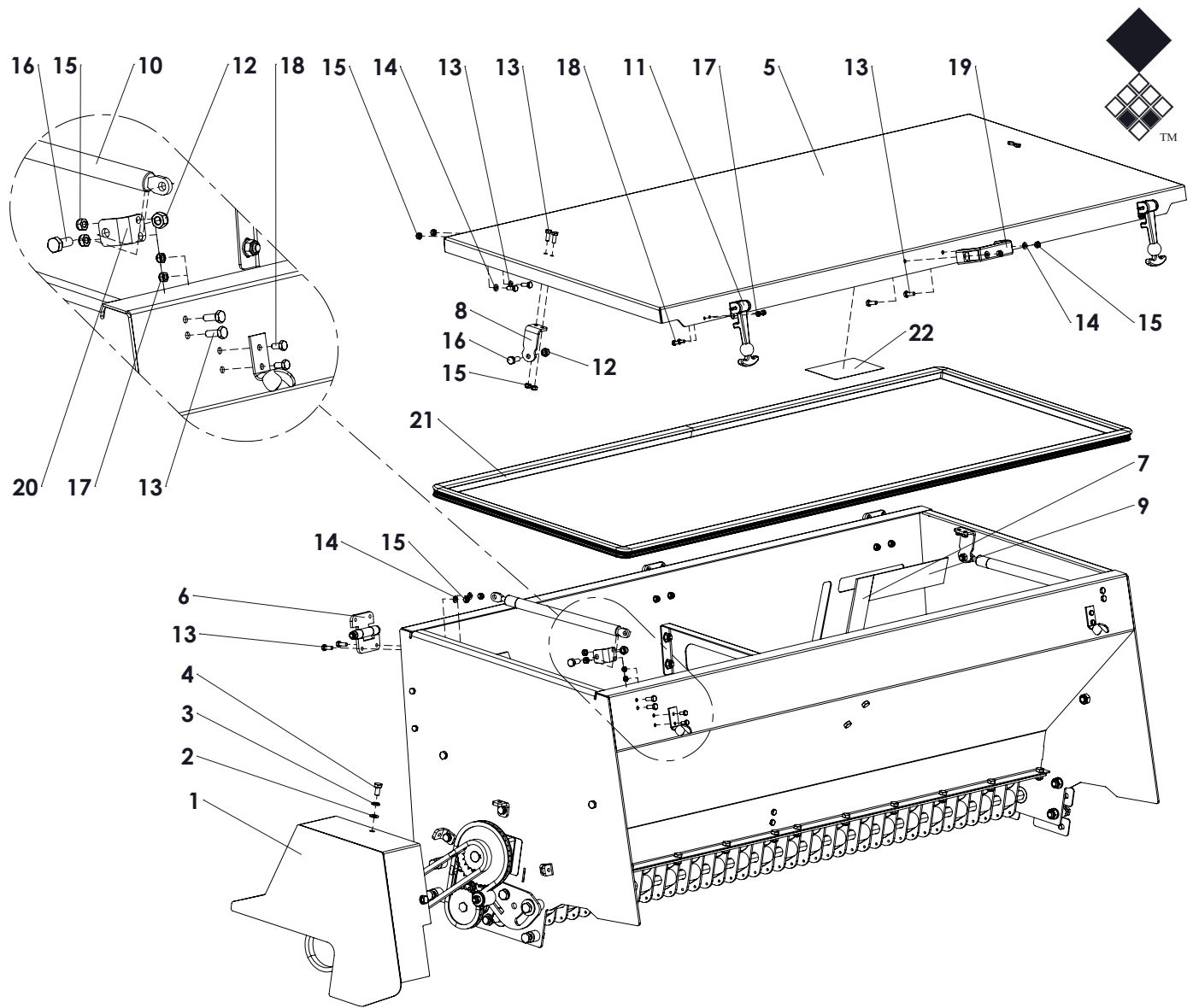
Page 11 - Option: Rear roller with spikes
Page 12 - Option: Brush scraper complete
Page 13 - Option: Crushing rear roller
Page G1: Gearbox



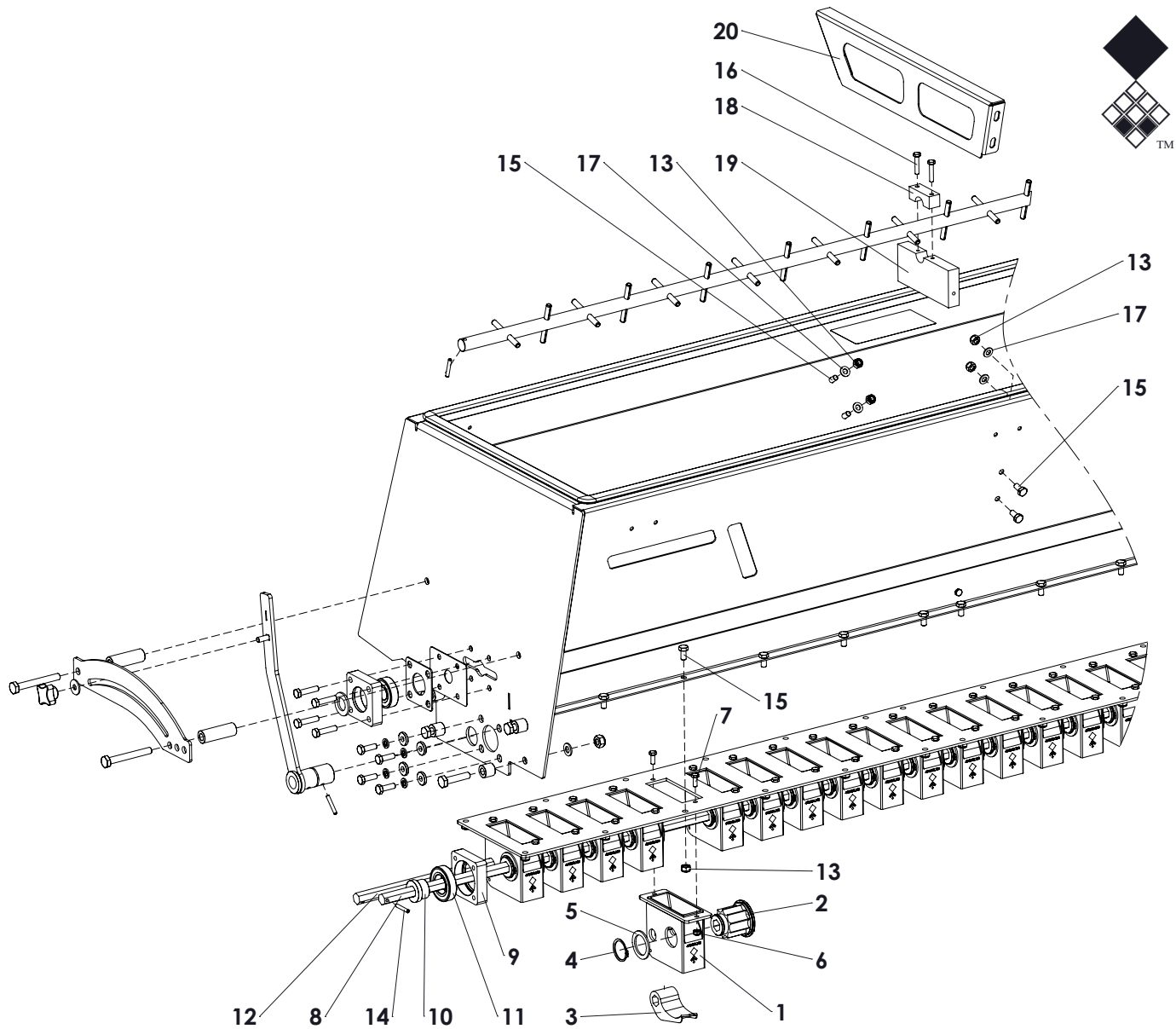
#DA	D5FHBI A 69F	89G7 F-DHC B	F9A 5F?G	E15 %/\$	E15 %/\$
%	- &%&, \$(\$&	GUZYlmXYWU""J G		&	&
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+	(*, "\$' \$")' \$	Hc`Vcl`Vc`bfUd`UHf		&	&
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-	, *("\$, "\$"\$(@f]`Y`k`Ug`YfA , !`8`B`-\$&%		&	&
%\$, '\$"\$, "\$", \$	GY`Z@c`W`Bi`hA , !`-C`(`\$%)%&		&	&
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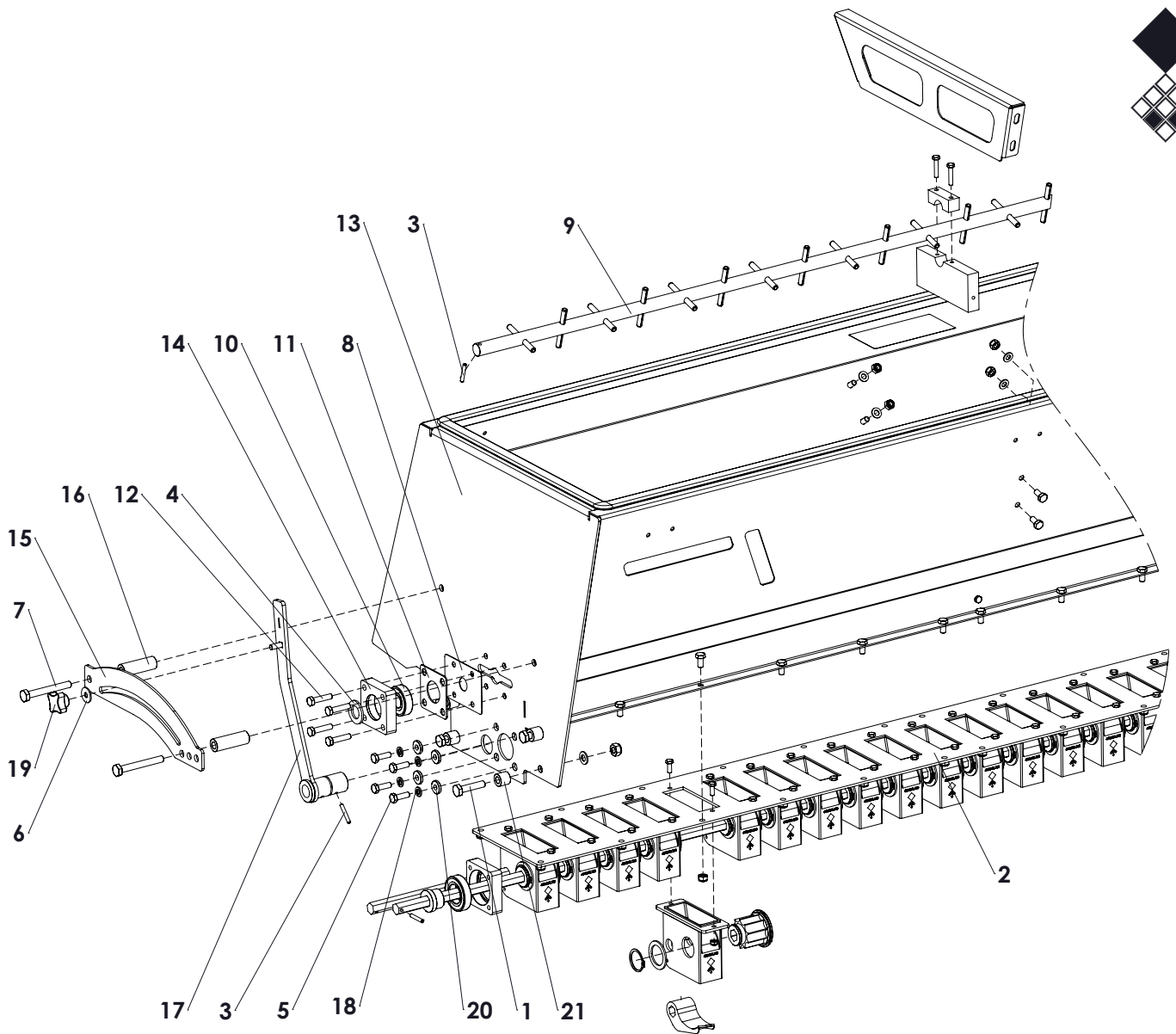
#DA	D5FHBI A 69F	8 9G7 F-ÐHC B	F9A 5F?G	E I 5 %%\$ \$	E I 5 %\$ \$
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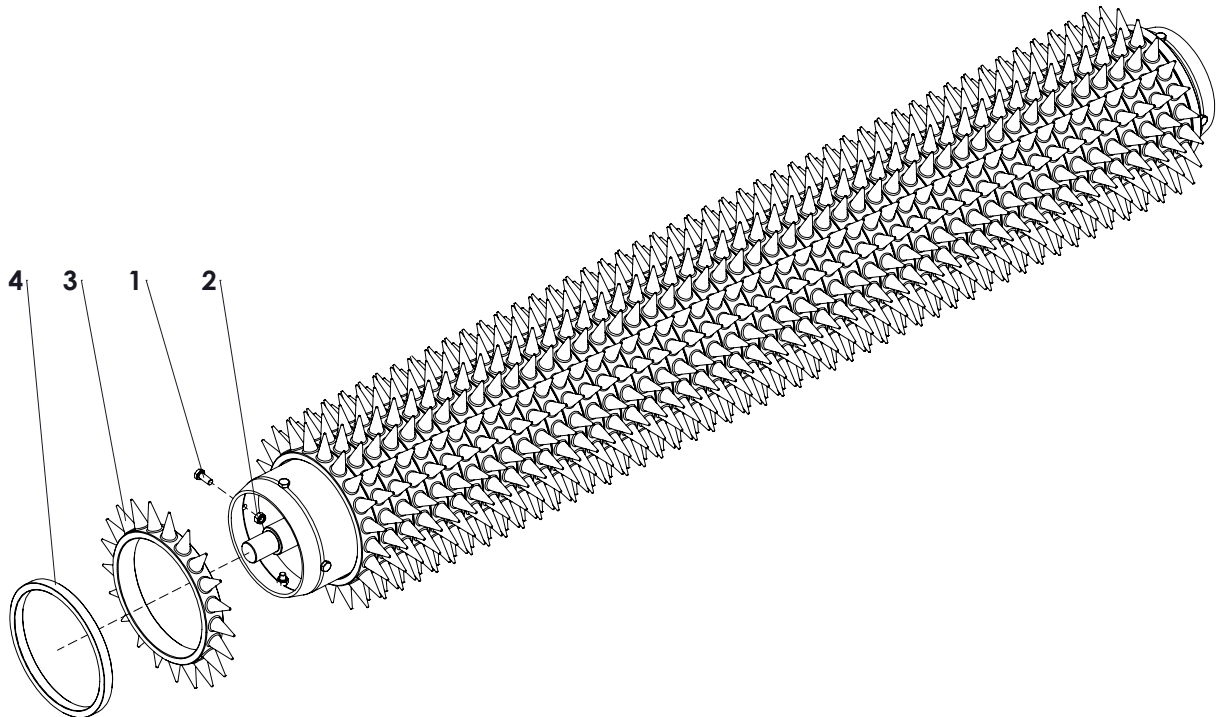
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	456.407.116	Cover		1	1
2	864.080.030	Washer M8 - ISO 7089		3	3
3	866.080.020	Spring Washer M8 - DIN 127		3	3
4	804.080.160	Bolt M8 x 16 - ISO 4017		3	4
5	456.162.052	Top cover		0	1
	456.123.052	Top cover		1	0
6	899.100.634	Hinge		3	3
7	444.041.300	Window		2	2
8	468.040.654	Support L=65mm		2	2
9	444.042.100	Window angle		2	2
10	571.224.854	Gas strut L=485/stroke=200, F=150N		2	2
11	590.650.000	Rubber lock assy		2	2
12	830.080.080	Self Lock Nut M8 - ISO 10511		6	6
13	804.060.160	Bolt M6 x 16 - ISO 4017		18	18
14	864.060.030	Washer M6 - ISO 7089		18	18
15	830.060.060	Self Lock Nut M6 - ISO 10511		18	18
16	804.080.200	Bolt M8 x 20 - ISO 4017		4	4
17	830.050.050	Self Lock Nut M5 - ISO 10511		8	8
18	804.050.100	Bolt M5 x 10 - ISO 4017		8	8
19	444.151.250	Handle		1	1
20	468.040.302	Support L=30mm		2	2
21	592.130.002	Glass Rubber		0	1
	592.130.004	Glass Rubber		1	0
22	924.280.000	Decal seed hopper		1	1



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	444.050.133	Seed element casing		15	21
2	444.058.510	Seed element rotor		15	21
3	444.034.760	Seed element valve		15	21
4	870.032.160	Circlip d=32 - DIN 471		15	21
5	412.020.450	Washer		15	21
6	830.060.060	Self Lock Nut M6 - ISO 10511		30	42
7	804.060.160	Bolt M6 x 16 - ISO 4017		30	42
8	422.169.167	Shaft		0	1
	422.169.128	Shaft		1	0
9	468.180.706	Bearing block		2	2
10	410.160.182	Bush		2	2
11	713.300.130	Bearing 6006 LLU		2	2
12	422.169.166	Shaft		0	1
	422.169.125	Shaft		1	0
13	830.080.080	Self Lock Nut M8 - ISO 10511		24	28
14	878.050.320	Roll pin Ø5x32		2	2
15	804.080.160	Bolt M8 x 16 - ISO 4017		24	32
16	804.060.300	Bolt M6 x 30 - ISO 4017		2	2
17	864.080.030	Washer M8 - ISO 7089		4	4
18	444.200.550	Guide Block support		2	2
19	444.201.442	Guide lock block		1	1
20	464.025.270	Center plate		1	1

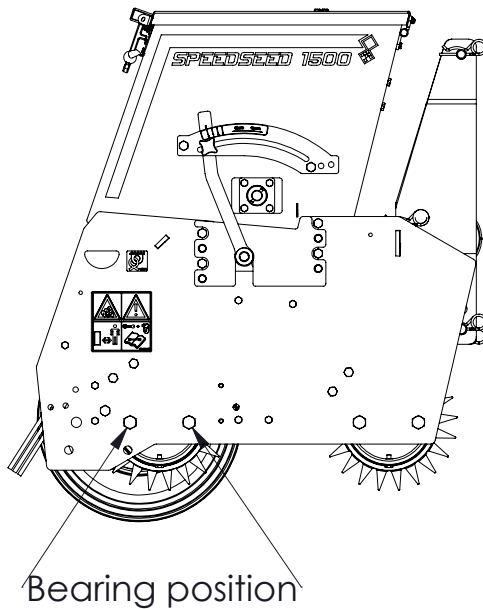


ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	804.100.450	Bolt M10 x 45 - ISO 4017		7	7
2	468.049.152	Plate L=1592		0	1
3	878.050.320	Roll pin Ø5x32		2	2
4	864.200.030	Washer M20 - ISO 7089		1	1
5	804.080.250	Bolt M8 x 25 - ISO 4017		8	8
6	864.080.024	Large washer M8 - DIN 9021		1	1
7	804.100.800	Bolt M10 x 80 - ISO 4017		2	2
8	468.011.002	Cover plate		1	1
9	474.209.171	Agitator shaft		0	1
	474.209.132	Agitator shaft		1	0
10	713.200.140	Bearing 6204-C-2HRS		1	1
11	468.020.704	Cover plate		1	1
12	804.080.350	Bolt M8 x 35 - ISO 4017		4	4
13	494.161.051	Hopper		0	1
	494.122.051	Hopper		1	0
14	468.180.704	Bearing block		1	1
15	464.041.752	Guide strip		1	1
16	406.110.600	Distance bush Ø20/Ø10.5 L=60		2	2
17	464.063.134	Valve adjustment		1	1
18	866.080.020	Spring Washer M8 - DIN 127		8	8
19	836.080.402	Closed Knob M8 - Din 6335		1	1
20	864.080.043	Washer M8 - DIN 7349		8	8
21	402.100.182	Distance bush		4	4

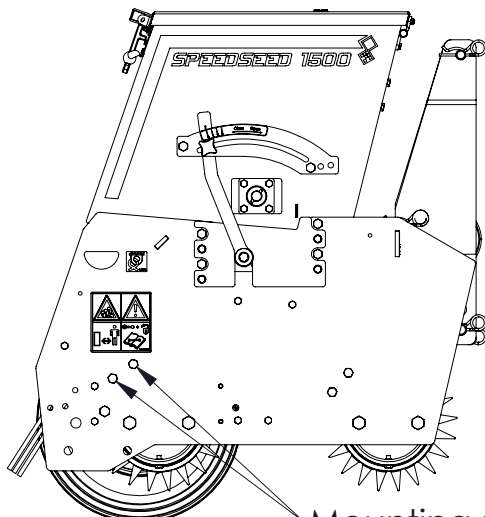
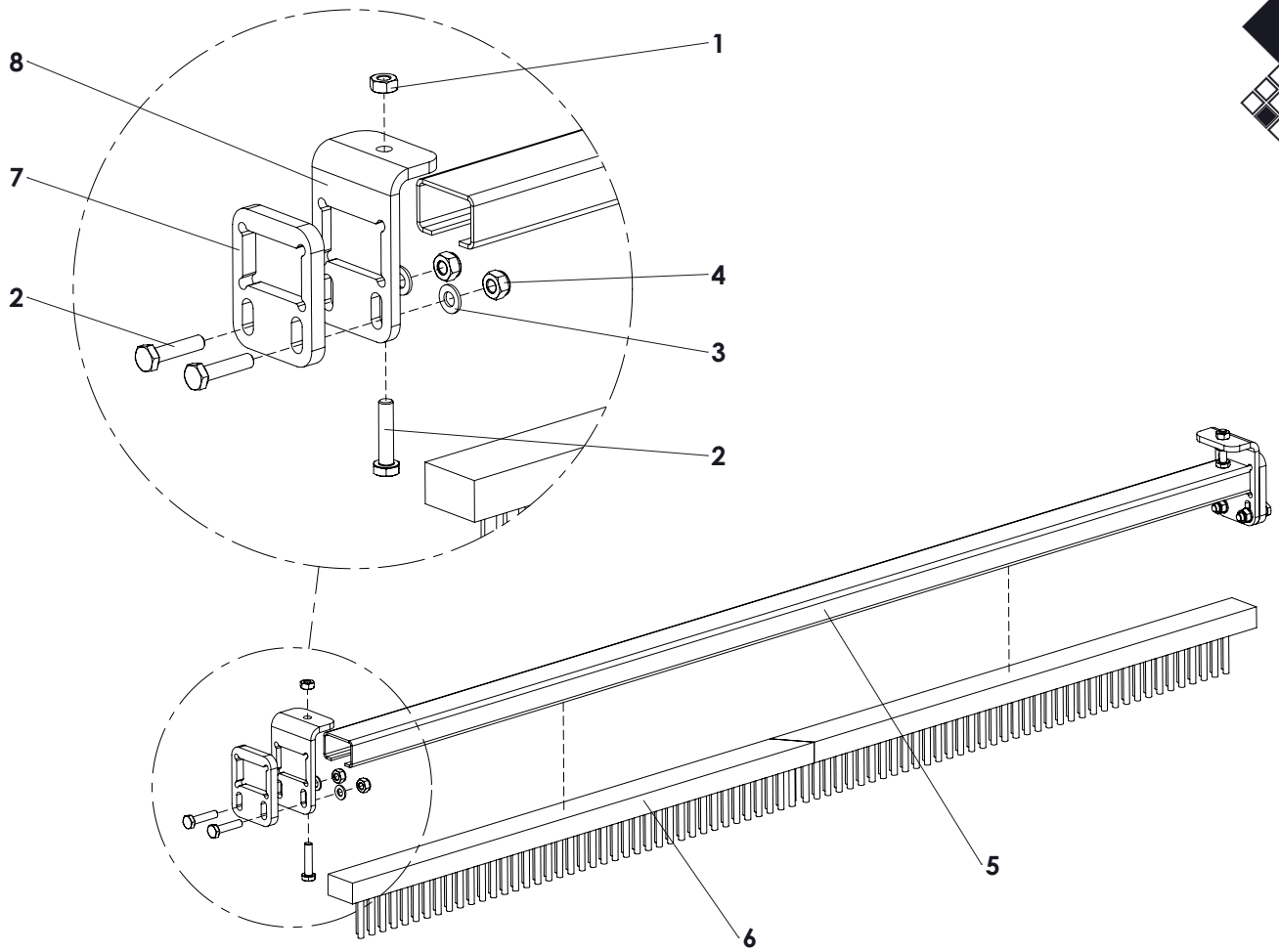


Option: Rear roller with spikes

Kit no.: 1100 - 224.120.000
1500 - 224.160.002



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	804.080.200	Bolt M8 x 20 - ISO 4017		8	8
2	830.080.080	Self Lock Nut M8 - ISO 10511		8	8
3	316.272.029	Spiked Segment		36	49
4	402.174.150	Spacer		2	2

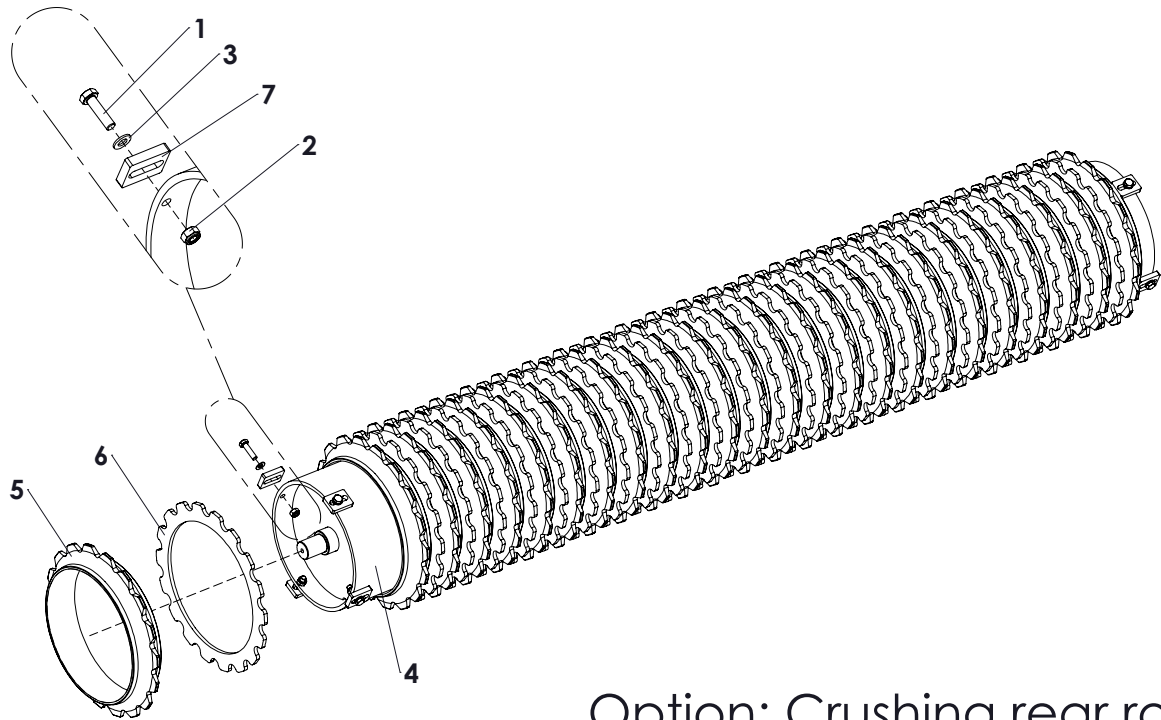


Mounting position
Brush scraper

Option: Brush scraper complete

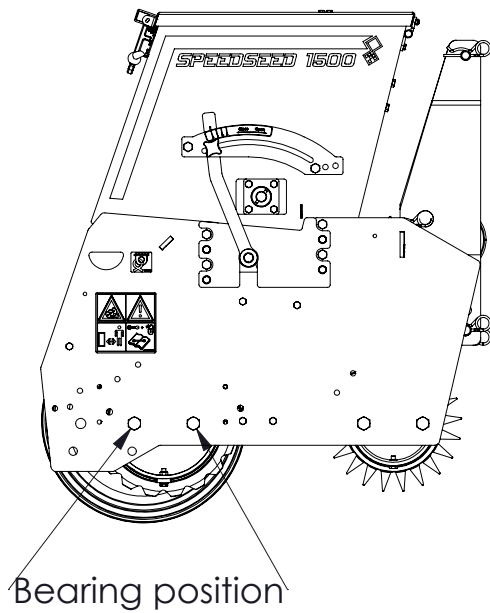
Kit no.: 1100 - 490.809.013
1500 - 490.809.017

ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	826.100.100	Nut M10 - DIN 934		4	4
2	804.100.450	Bolt M10 x 45 - ISO 4017		6	6
3	864.100.030	Washer M10 - ISO 7089		4	4
4	830.100.100	Self Lock Nut M10 - ISO 10511		4	4
5	468.039.164	Brush profile		0	1
	468.039.132	Brush profile		1	0
6	486.061.640	Brush WL=60 L=835		0	2
	486.061.250	Brush WL=60 L=1250		1	0
7	468.121.000	Spacer brush scraper		2	2
8	468.081.100	Clamp bracket brush scraper		2	2



Option: Crushing rear roller

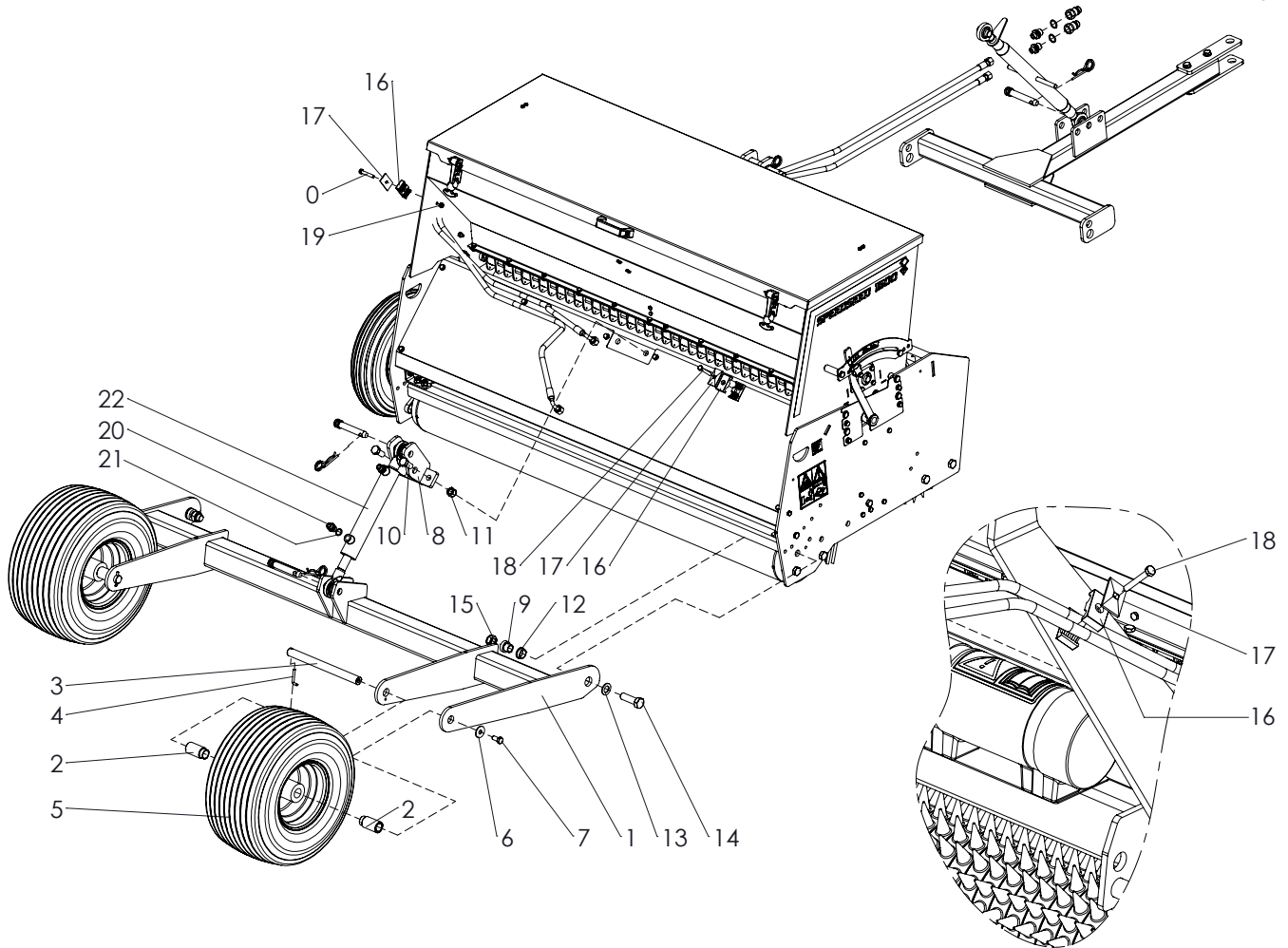
Kit no.: 1100 - 224.120.006
1500 - 224.160.006



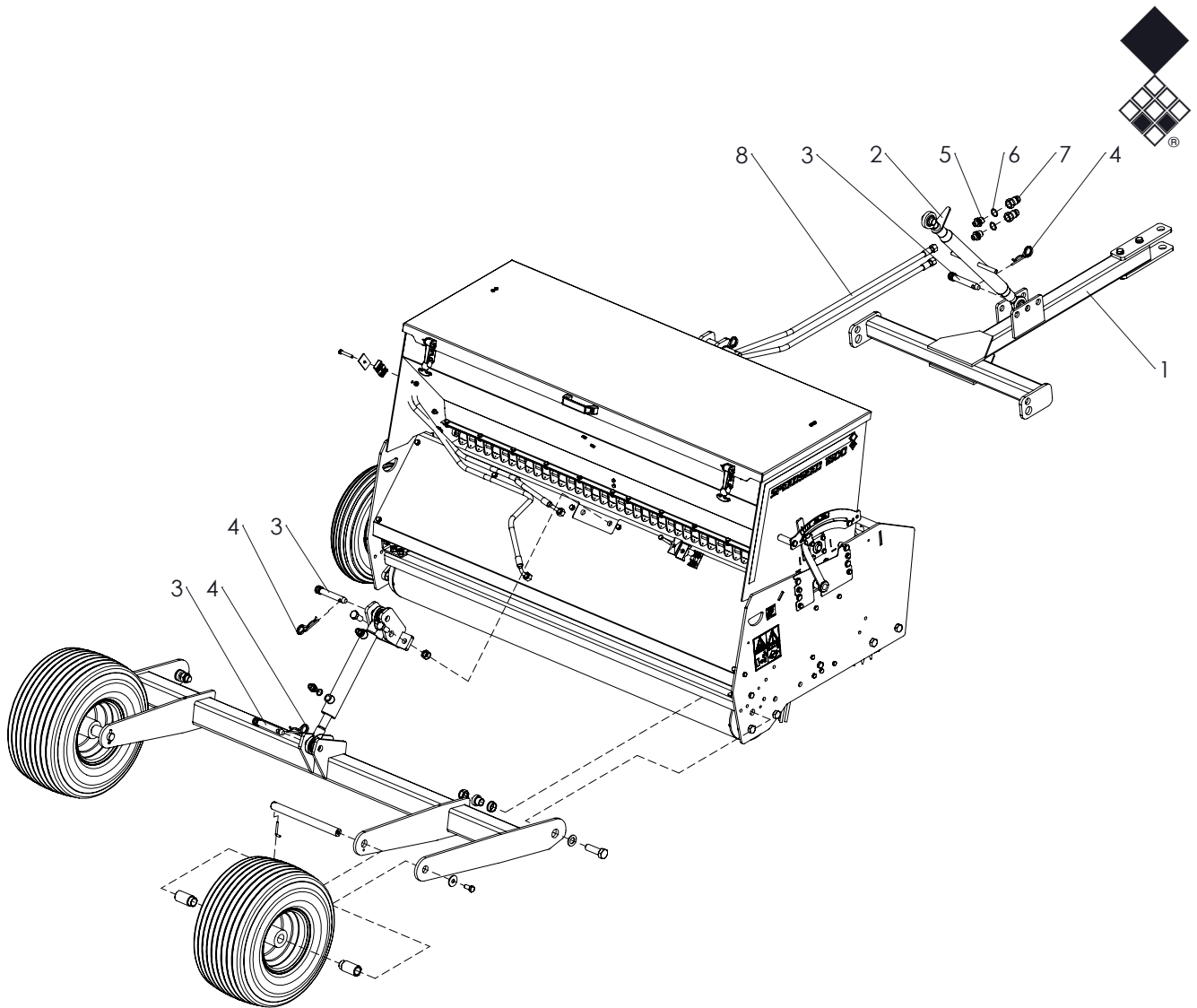
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	804.080.300	Bolt M8 x 30 - ISO 4017		8	8
2	830.080.080	Self Lock Nut M8 - ISO 10511		8	8
3	864.080.030	Washer M8 - ISO 7089		8	8
4	488.219.125	Rear roller		1	0
	488.219.164	Rear roller		0	1
5	316.292.055	Cast ring 9"		18	25
6	468.060.285	Spacer ring		19	24
7	468.080.400	Lock strip		8	8

Option: Wheel kit

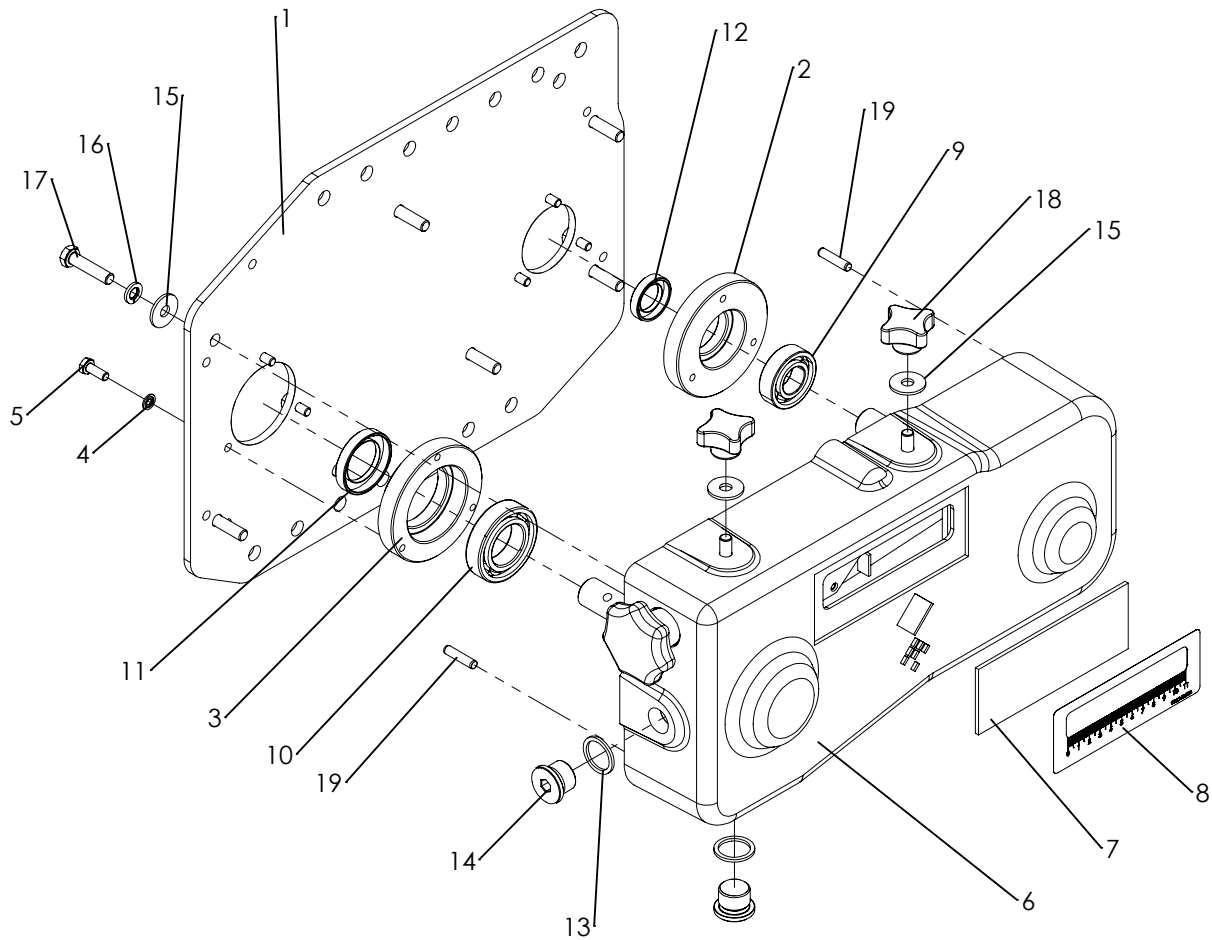
Kit no.: 1100 - 224.120.002
1500 - 224.160.000



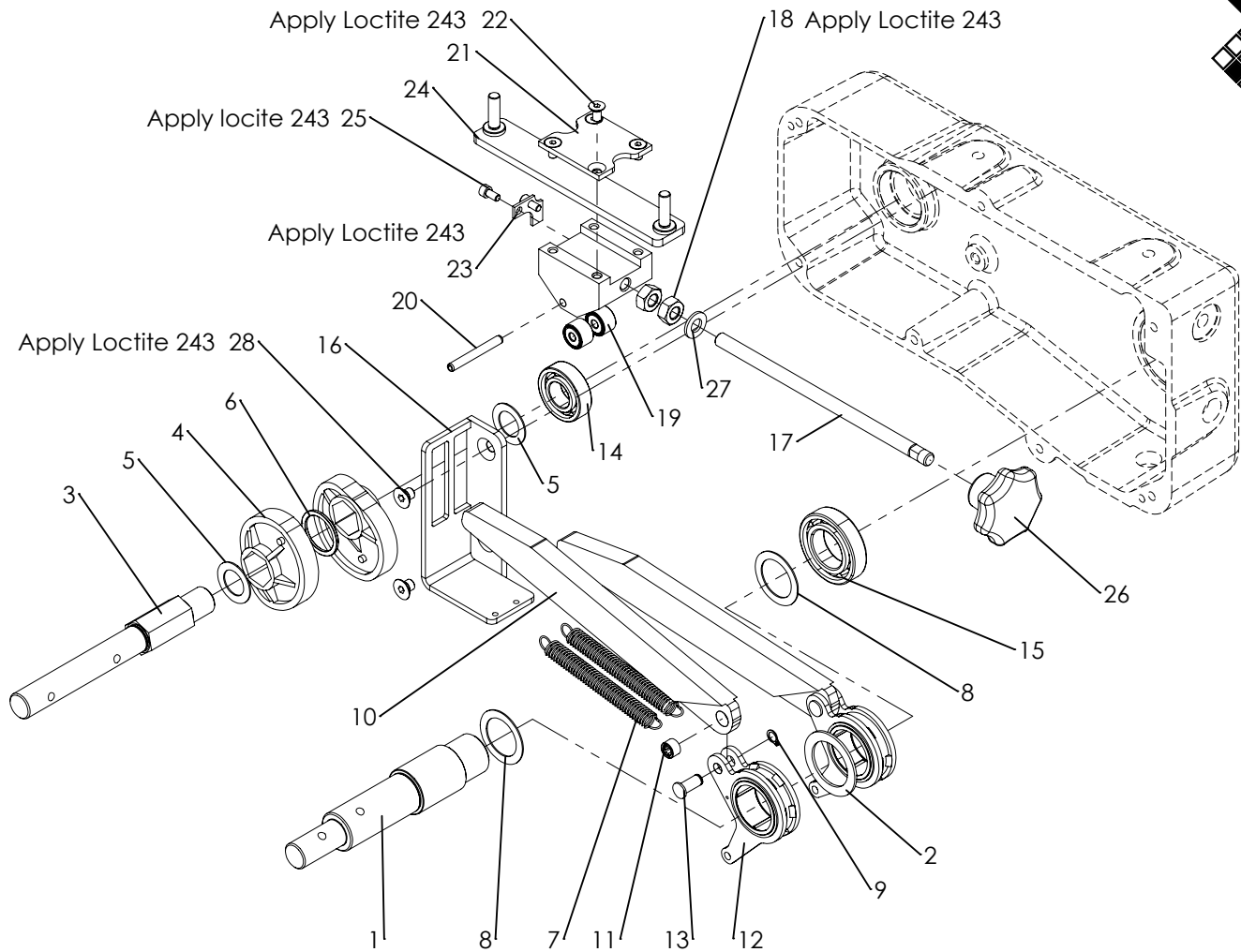
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	494.070.170	Weld Assy Frame Bogy		0	1
	494.070.130	Weld Assy Frame Bogy		1	0
2	404.250.700	Distance Bush Wheel		4	4
3	416.252.940	Wheel Shaft		2	2
4	424.060.480	Lock Pin		2	2
5	511.542.236	Wheel Complete		2	2
6	864.120.031	Large washer M12 - DIN 9021		2	2
7	804.120.250	Bolt M12 x 25 - ISO 4017		2	2
8	466.080.161	Bracket cylinder bogy		1	1
9	404.200.270	Bush Bogy		2	2
10	804.160.350	Bolt M16 x 35 - ISO 4017		2	2
11	830.160.160	Self Lock Nut M16-ISO 10511 Class 10		2	2
12	404.250.130	Nylon collar bush Ø35/Ø30/Ø25 L=12.5		2	2
13	864.200.030	Washer M20 - ISO 7089		2	2
14	802.200.650	Bolt M20 x 65 - ISO 4014		2	2
15	830.200.200	Self Lock Nut M20 Din 985 h=17		2	2
16	547.150.150	Hose clamp 2x15mm		6	8
17	547.300.510	Cover plate hose clamp 2x15 - 2x18		3	4
18	802.080.550	Bolt M8 x 55 - ISO 4014		3	2
19	830.080.080	Self Lock Nut M8 - ISO 10511		2	1
20	544.170.120	Nipple BSP 3_8" x pipe 12 (M18)		2	2
21	874.170.020	Copper washer 3_8		2	2
22	534.252.006	Hydr. Cylinder 25/40, stroke 200 - 2 x 19.4		1	1



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 1100	QUA 1500
1	494.063.076	Drawbar Bogy Double Eye Coupling		1	1
2	478.257.970	Toplink		1	1
3	521.191.120	Top Link Pin		3	3
4	523.051.000	R-clip Round 5, DIN 11024		3	3
5	543.170.210	Nipple BSP 3_8" x 1_2" 60deg		2	2
6	874.210.020	Copper washer 1_2		2	2
7	545.210.800	Quick connector male 1/2"		2	2
8	541.173.200	Hydraulic hose		1	1

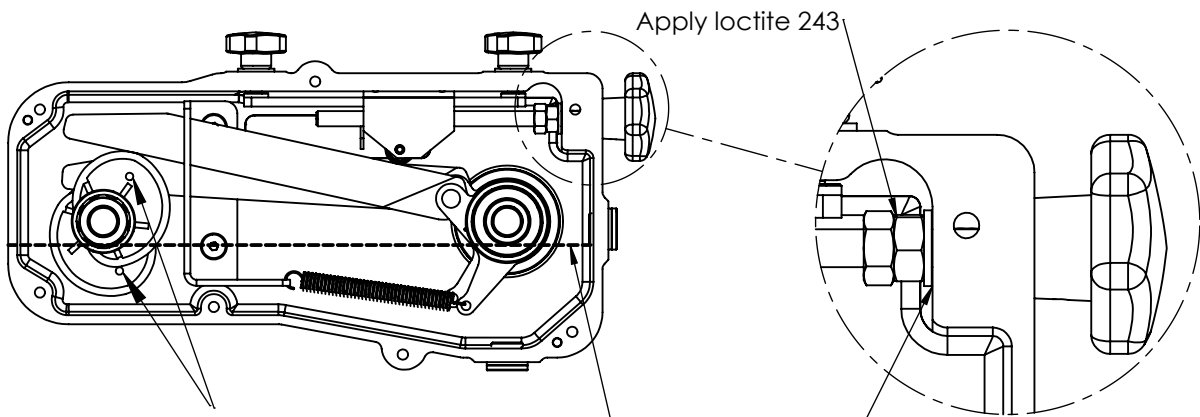


ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	468.064.060	Lid plate		1
2	434.210.850	Bearing hub Ø42		1
3	434.230.850	Bearing hub Ø55		1
4	874.060.020	Bonded seal ring M6		6
5	804.060.160	Bolt M6 x 16 - ISO 4017		6
6	448.380.800	Casted gearbox housing		1
7	444.021.380	Window		1
8	934.140.510	Gauge decall		1
9	711.200.120	Bearing 6004		2
10	711.300.132	Bearing 6006		2
11	762.300.080	Oil seal 30-45-8		1
12	762.200.070	Oil seal 20-32-7		1
13	874.210.020	Copper washer 1_2		2
14	549.210.200	Blind plug G1/2		2
15	864.080.024	Large washer M8 - DIN 9021		9
16	866.080.020	Spring Washer M8 - DIN 127		7
17	804.080.350	Bolt M8 x 35 - ISO 4017		7
18	836.080.402	Closed Knob M8 - Din 6335		2
19	876.060.260	Parallel pin ISO 8734 - 6 x 26		2
	623.200.400	Gearbox complete		



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	422.351.382	Shaft		1
2	444.020.500	Washer		1
3	422.242.020	Shaft		1
4	444.200.730	Excenter		2
5	868.032.100	Shim Ø20xØ32x1.0 DIN988	Quantity depending on clearance	
6	406.280.030	Spacer		1
7	575.010.800	Spring		2
8	868.042.100	Shim Ø30xØ42x1.0 DIN988	Quantity depending on clearance	
9	870.008.080	Circlip d=8 - DIN 471		2
10	464.152.702	Rocker strip		2
11	721.080.080	Bearing HK0808		2
12	442.200.980	Rocker arm assembly		2
13	418.080.200	Pin		2
14	711.200.120	Bearing 6004		1
15	711.300.132	Bearing 6006		1
16	470.120.550	Guide		1
17	852.102.100	Threaded rod M10x210		1
18	826.100.100	Nut M10 - DIN 934		2
19	721.060.120	Roller bearing		2
20	878.060.500	Roll Pin 6 x 50 - ISO 8752		1
21	468.040.530	Lock plate		1
22	816.060.122	Bolt M6 x 12 - DIN 7991		4
23	468.020.490	Indicator		1
24	468.061.620	Slider bracket		1
25	814.050.100	DIN 912 M5 x 10 --- 10C		2
26	836.100.630	Knob M10 with set screw		1
27	864.100.030	Washer M10 - ISO 7089		1
28	816.080.100	Bolt M8 x 10 - DIN 7991		2

Timing, Spindle adjustment and Oil level



Warning! Make sure the excenters are positioned correct:

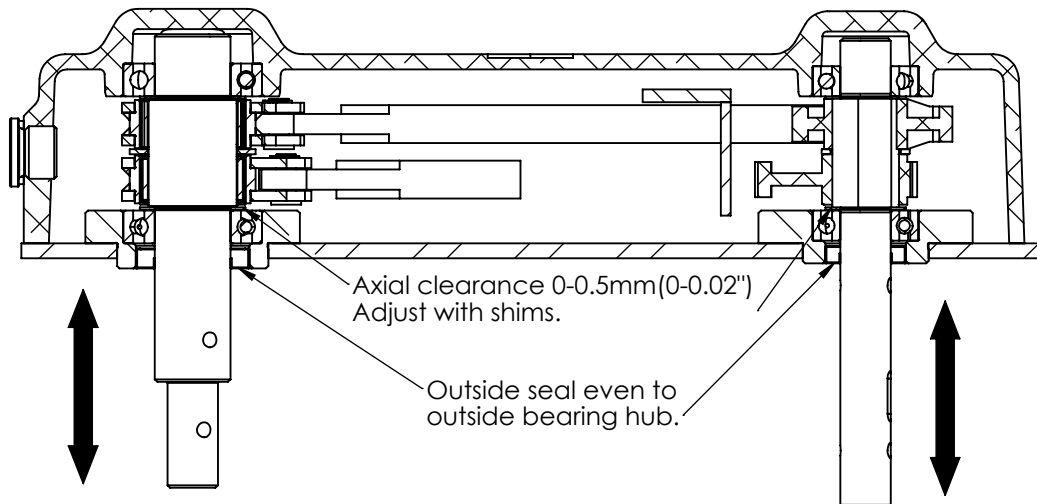
- The nodge has to be faced outwards.
- Timing: 180° shifted from each other

If not correctly installed a shocked rotation will occur at the output shaft.

Keep $\pm 2\text{mm}$ (0.08") clearance distance between washer and casing!
Adjustment must rotate smooth.

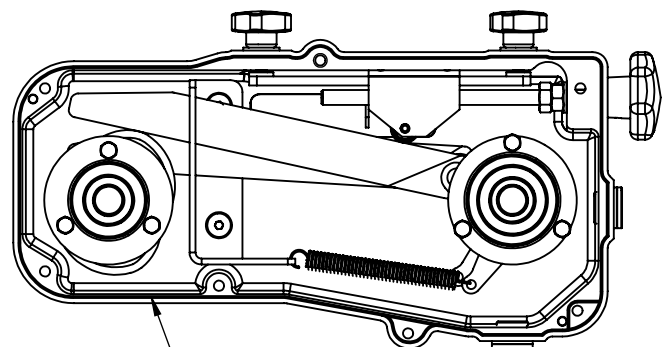
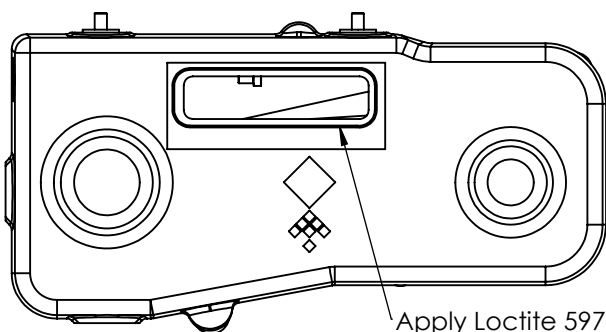
Fill gearbox with $\pm 1,4\text{L}$ (0.37gal.) 80W90 oil
Fill till oil level line (Bottom level plug)

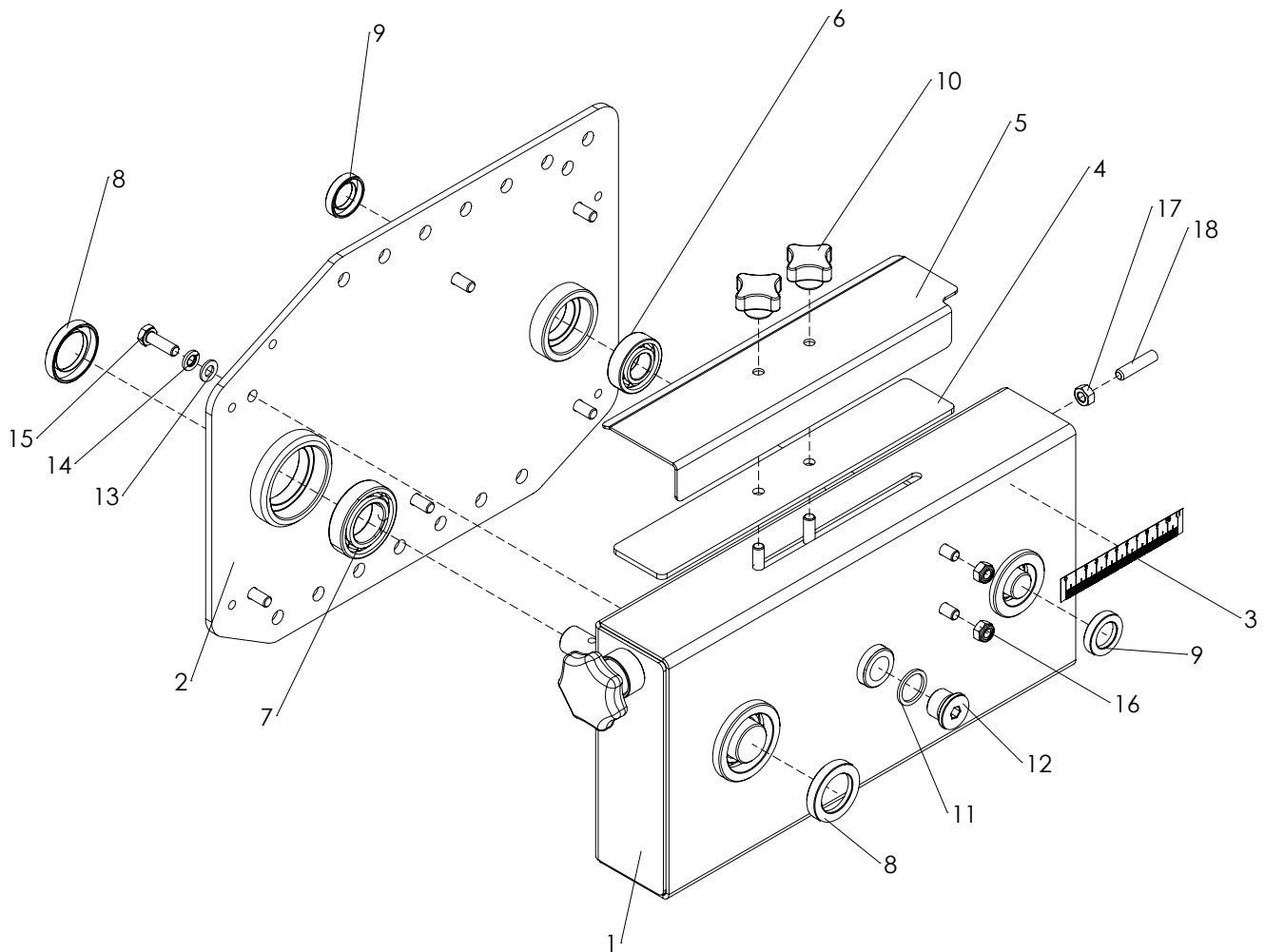
Axial clearance



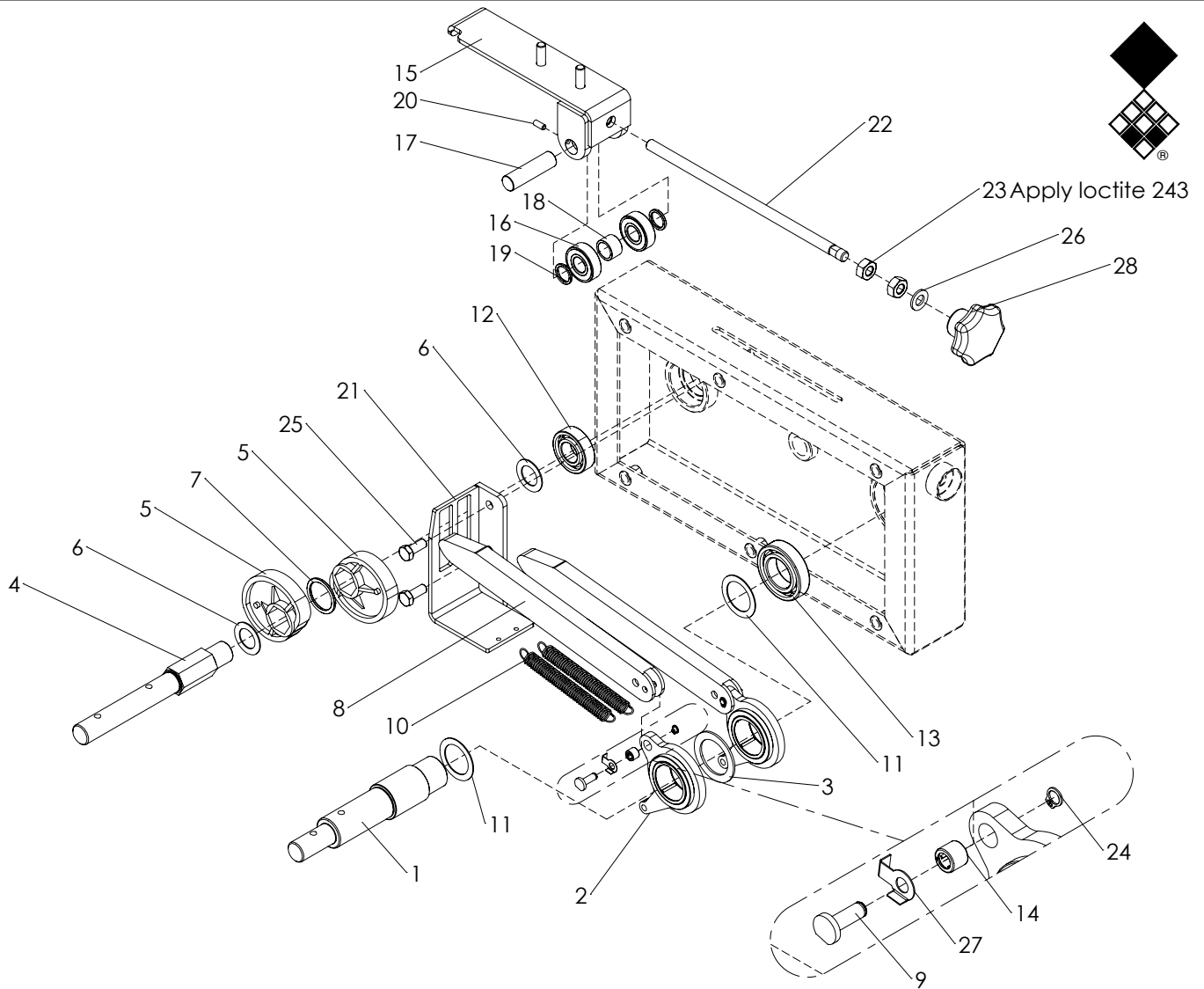
Sealing plan

1. Put sealing paste (Loctite 5970) on the gearbox housing according to the closed line as shown on the pictures below.
2. Make sure to put sealing paste around the threaded holes.
3. Make sure to clean the edges from excess sealant.





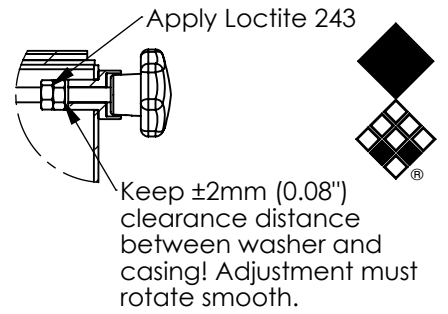
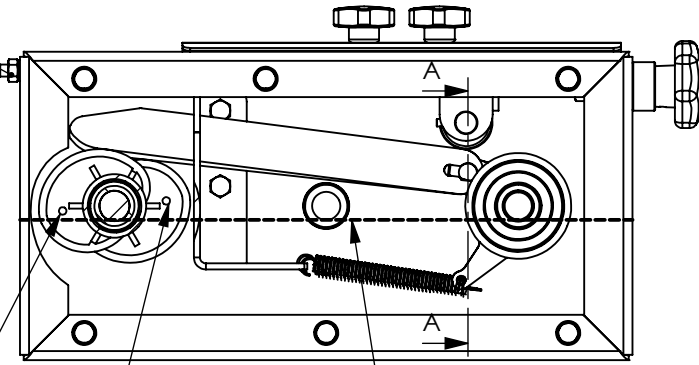
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	470.034.052	Gearbox housing		1
2	470.064.004	Gearbox lid		1
3	922.340.014	Gauge decall		1
4	444.032.900	Slider seal		1
5	468.022.900	Indicator		1
6	711.200.120	Bearing 6004		1
7	711.300.132	Bearing 6006		1
8	762.300.080	Oil seal 30-45-8		2
9	762.200.070	Oil seal 20-32-7		2
10	836.080.402	Closed Knob M8 - Din 6335		2
11	874.210.020	Copper washer 1_2		1
12	549.210.200	Blind plug G1/2		1
13	864.080.030	Washer M8 - ISO 7089		6
14	866.080.020	Spring Washer M8 - DIN 127		6
15	804.080.250	Bolt M8 x 25 - ISO 4017		6
16	830.080.080	Self Lock Nut M8 - ISO 10511		2
17	826.080.080	Nut M8 - DIN 934		1
18	818.080.350	Set screw M8x35 - DIN 913		1
	623.246.405	Gearbox complete		



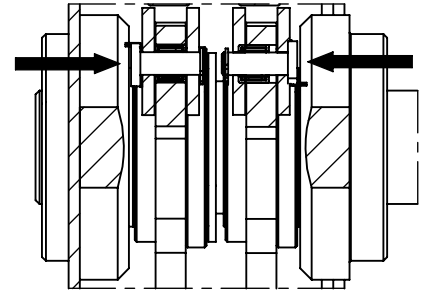
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	422.351.382	Shaft		1
2	478.019.101	Pivot point		1
3	444.020.500	Washer		1
4	422.242.020	Shaft		1
5	444.200.730	Excenter		2
6	868.032.100	Shim Ø20xØ32x1.0 DIN988	Quantity depending on clearance	
7	406.280.030	Spacer		1
8	464.152.600	Swing arm		2
9	418.060.190	Pin		2
10	575.010.800	Spring		2
11	868.042.100	Shim Ø30xØ42x1.0 DIN988	Quantity depending on clearance	
12	711.200.120	Bearing 6004		1
13	711.300.132	Bearing 6006		1
14	721.060.080	Bearing HK0608		2
15	470.041.980	Slider bracket		1
16	713.150.110	Bearing 6202-LLU		2
17	414.150.550	Shaft		1
18	406.150.132	Bush		1
19	406.150.020	Bush		2
20	818.050.120	Set screw M5 x 12 - DIN 913		2
21	470.041.190	Guide		1
22	852.102.500	Threaded rod M10x250		1
23	826.100.100	Nut M10 - DIN 934		2
24	870.006.070	Circlip d=6 - DIN 471		2
25	804.080.200	Bolt M8 x 20 - ISO 4017		2
26	864.100.030	Washer M10 - ISO 7089		1
27	874.060.240	Lock washer		2
28	836.100.630	Knob M10 with set screw		1

Timing, Spindle adjustment and Grease level

Adjust till max. output is 4:1



SECTION A-A
Place pins from correct side and fold lock plate.

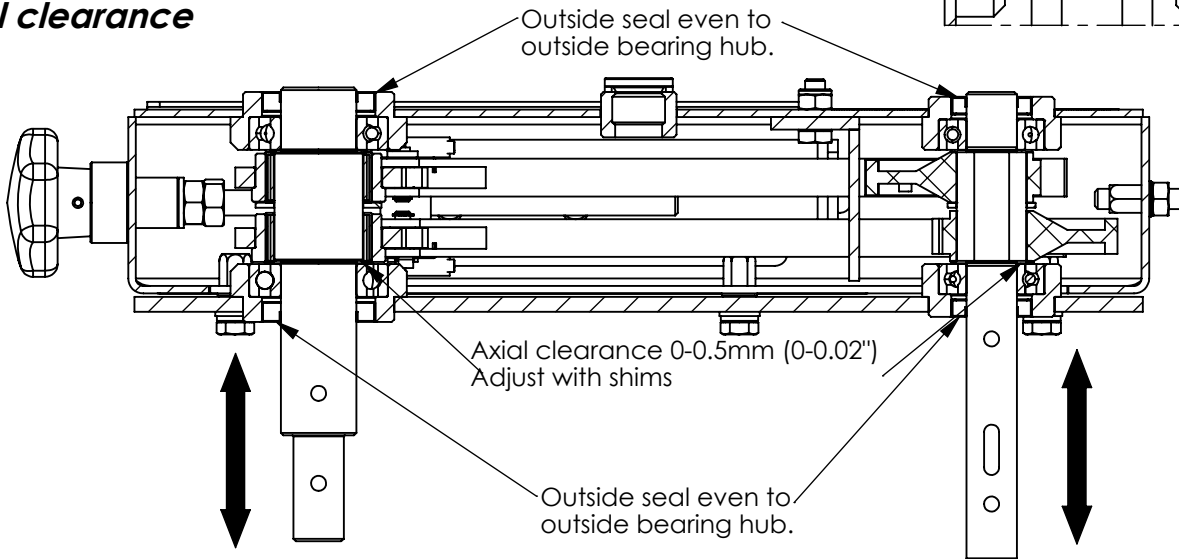


Warning! Make sure the excenters are positioned correct: Fill gearbox with $\pm 2.8\text{kg}$ (6.17lbs.) EP0 grease Fill till level line (Bottom level plug)

- The nodge has to be faced outwards.
- Timing: 180° shifted from each other.

If not correctly installed a shocked rotation will occur at the output shaft.

Axial clearance



Sealing plan

1. Place sealing paste (Loctite 5970) on gearbox housing as shown in the pictures below. When the guide (1) is removed also apply sealant to the bolts.
2. Place gearbox lid on gearbox housing.
3. Fill bolt holes with silicone sealing before mounting the bolts of the gearbox lid.
4. Make sure to clean the edges of excess sealant.

