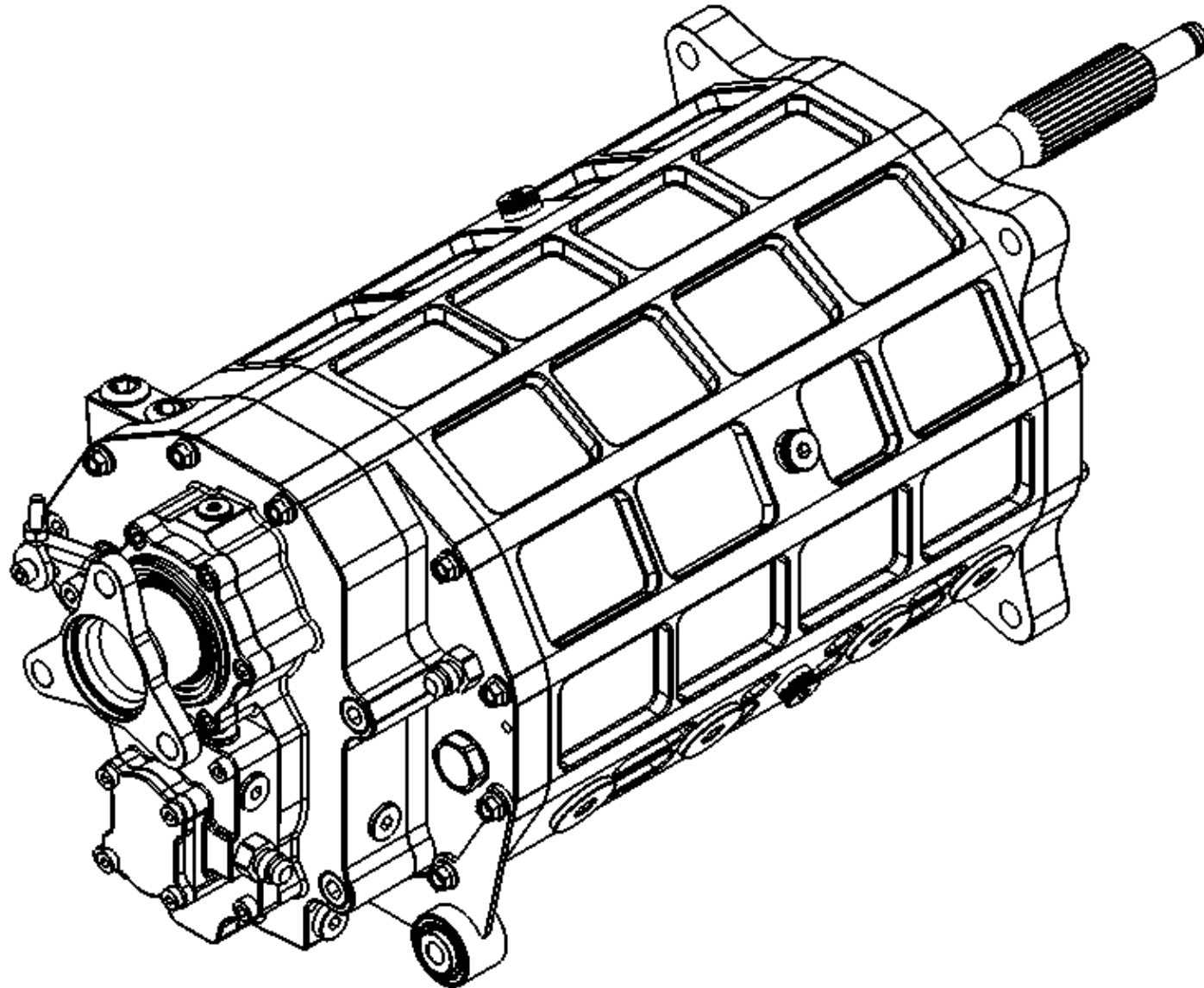


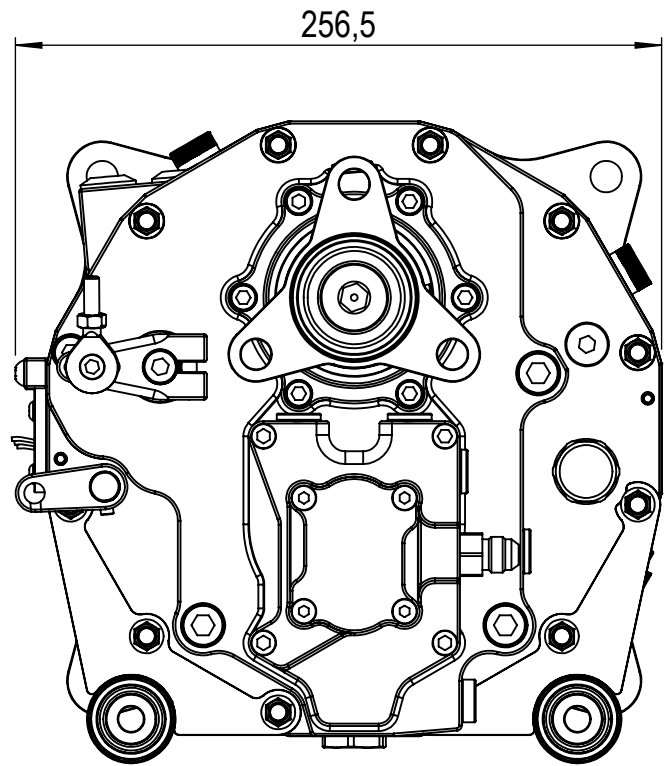
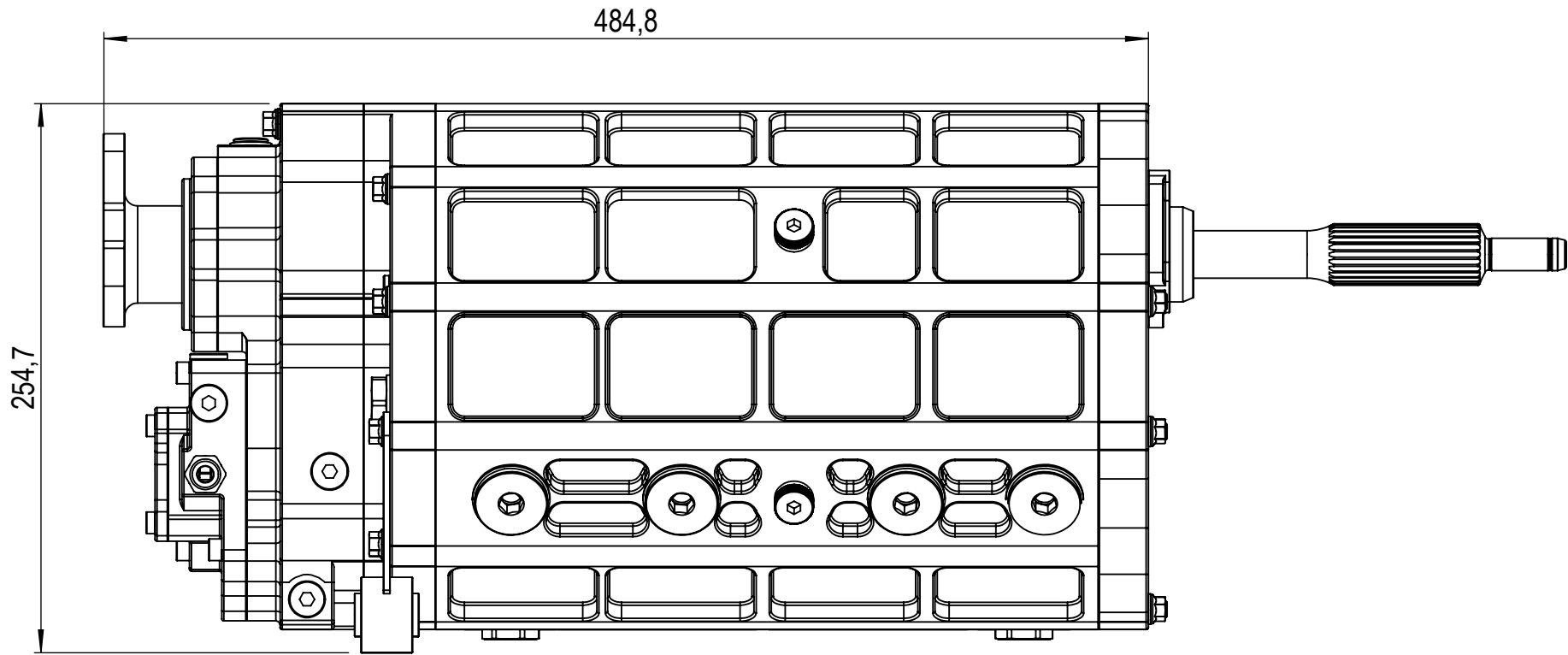
R236 ASSEMBLY



R 236

TABLE OF CONTENTS

1. Front page (R236 table of contents.docx)
2. Table of contents (R236table of contents.docx)
3. R236 outside dimensions (Drawing no. A0600004)
4. Gear lever mounting instructions (Drawing no. A0600004)
5. R236 section views (Drawing no. A0600004)
6. R236 assembly (Drawing no. A0600004)
7. R236 Oil pump assembly (Drawing no. 57440301)
8. R236 Oil pump assembly section view (Drawing no. 57440301)
9. R236 Rear end plate assembly (Drawing no. 58316001)
10. R236 Rear end plate assembly section view (Drawing no. 58316001)
11. R236 Drive shaft, drop gear, assembly (Drawing no. 34310401)
12. Rear mount assembly (Drawing no. 43261101)
13. R236 Oil pipe Assembled (Drawing no. 50410201)
14. Reverse release level Assembled (Drawing no. 59100901)
15. Ratchet axle assembly R236 (Drawing no. A5900013)
16. Lever complete (Drawing no. 59380201)
17. R236 Plunger housing assembly (Drawing no. A5900018)
18. Detent Plunger (Drawing no. 59210201)
19. R236 Drop gear cover assembly (Drawing no. 58316101)
20. R output flanges (Drawing no. A3900004)
21. Filter oil pump assembly (Drawing no. 60130201)
22. R236 Main shaft assembly (Drawing no. A3400045)
23. Bearing plate R236 (Drawing no. 58316301)
24. Bearing plate R236 (Drawing no. 58316301)
25. R236 Lay shaft assembly (Drawing no. A3400046)
26. R236 Lay shaft assembly (Drawing no. A3400046)
27. Clutch shafts R236 (Drawing no. A3400060)
28. R236 Housing assembly (Drawing no. A5700017)
29. R236 Front plate assembly (Drawing no. A5800034)
30. R236 Selector barrel assembly (Drawing no. A5900011)
31. R236 Selector barrel assembly (Drawing no. A5900011)
32. Selector barrel magnet alignment (Drawing no. A5900008)
33. Selector barrel magnet alignment (Drawing no. A5900008)
34. Gear lever assembly (Drawing no. A5900029)
35. RD176/R236 gear lever options (Drawing no. A5900030)
36. Gear lever unsprung standard complete (Drawing no. 59400501)
37. Gear lever unsprung short complete (Drawing no. 59400601)
38. Unlock lever (Drawing no. 59381101)
39. Bracket with linkage quadrant (Drawing no. 59170501)
40. Bell crank assembly (Drawing no. 59170401)
41. Unlock cable (Drawing no. A5300006)
42. Unlock cable optional (Drawing no. A5300007)
43. Weld plate options (Drawing no. A5900020)
44. Shift cylinder assembly Geartronic (Drawing no. A4300019)
45. Shift cylinder assembly K.M.P (Drawing no. A4300020)



Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:3	mm / g	41404					
Approved and released by			Beskrivning								
Checked by			Description								
Drawn by	J.Thide	2021-12-07				Sheet	Drawing number			Category	Revision
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden			1/4	R236				A

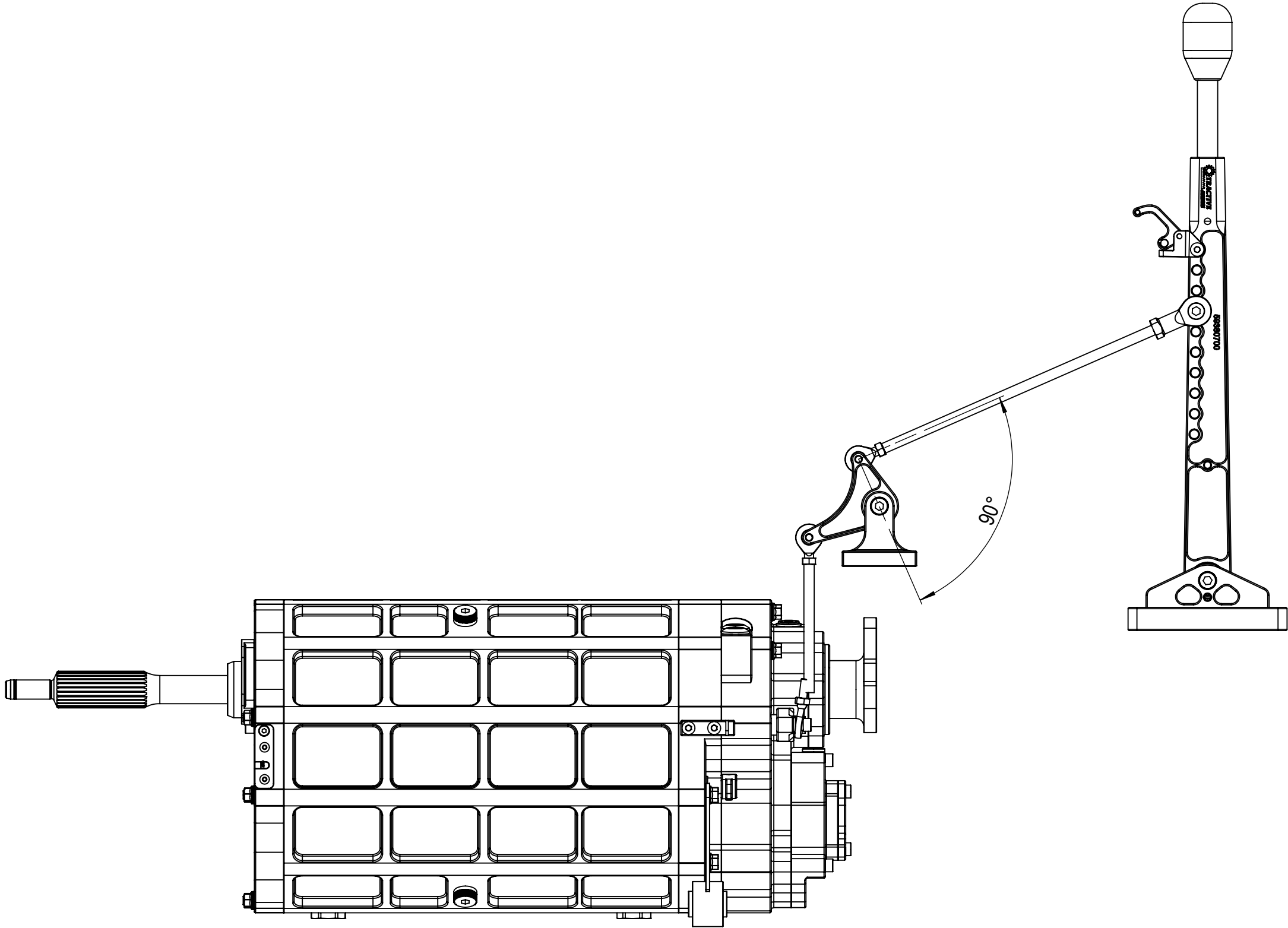
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

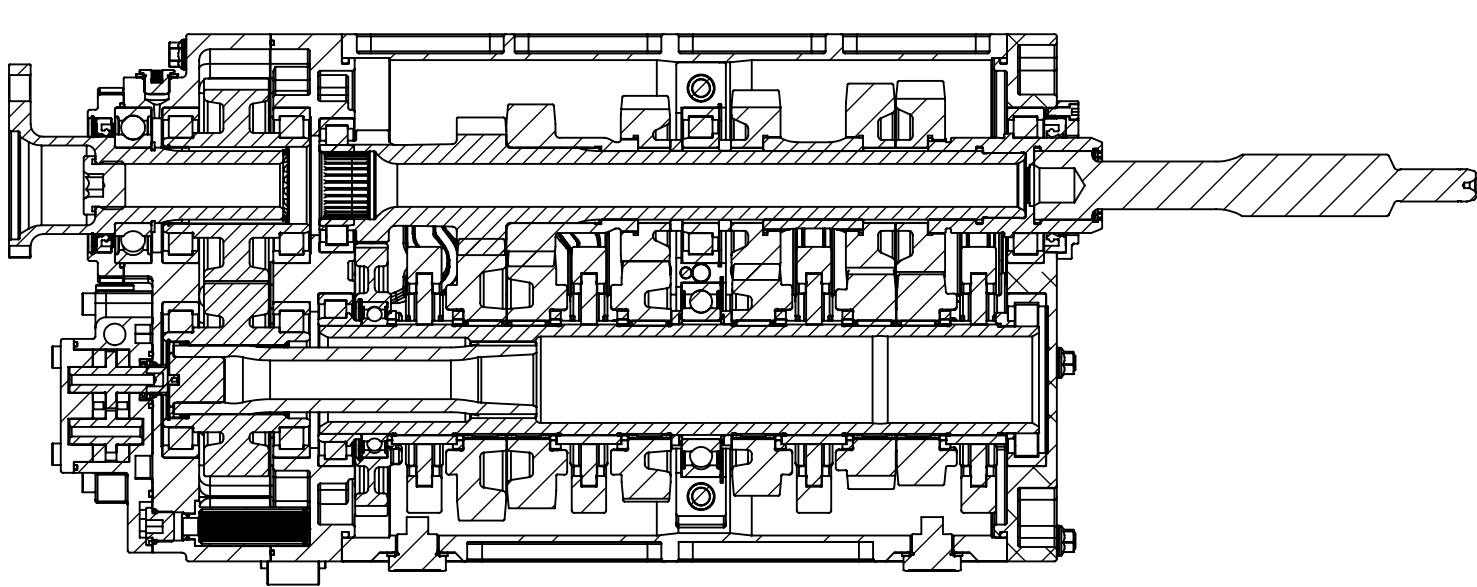
2022-07-14 Model: R236 Rev: -07

Approved

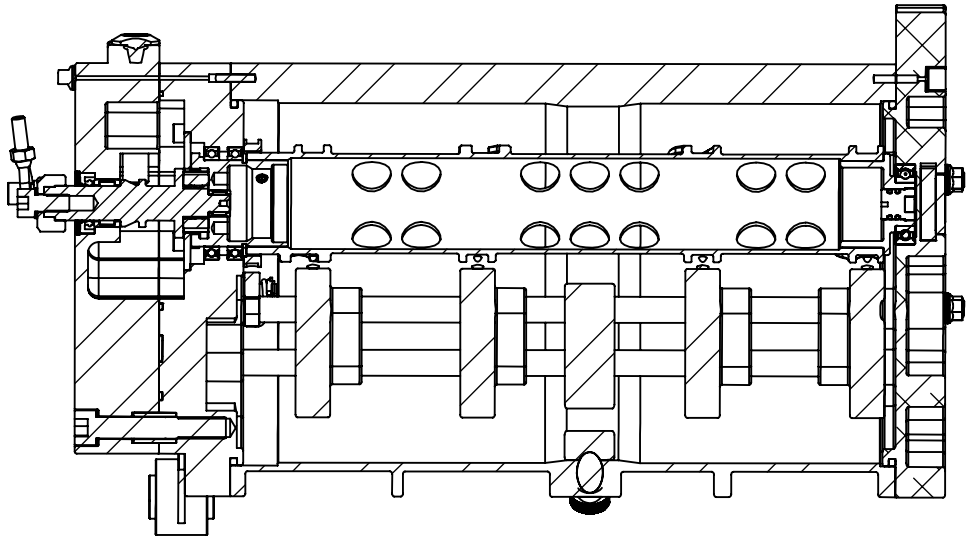


Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:3.5	mm / g	41404					
Approved and released by			Beskrivning								
Checked by			Description								
Drawn by	J.Thide	2021-12-07	<i>TRACTIVE</i>			Sheet	Drawing number			Category	Revision
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden			2/4	R236				A

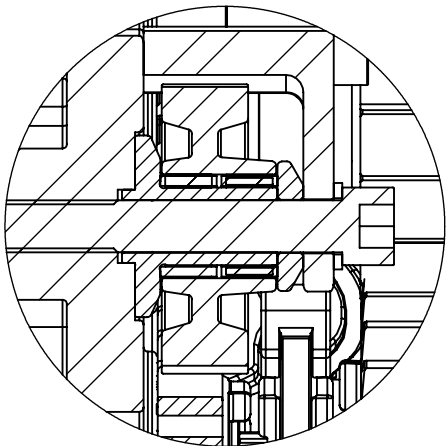
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT



SECTION A-A



SECTION B-B

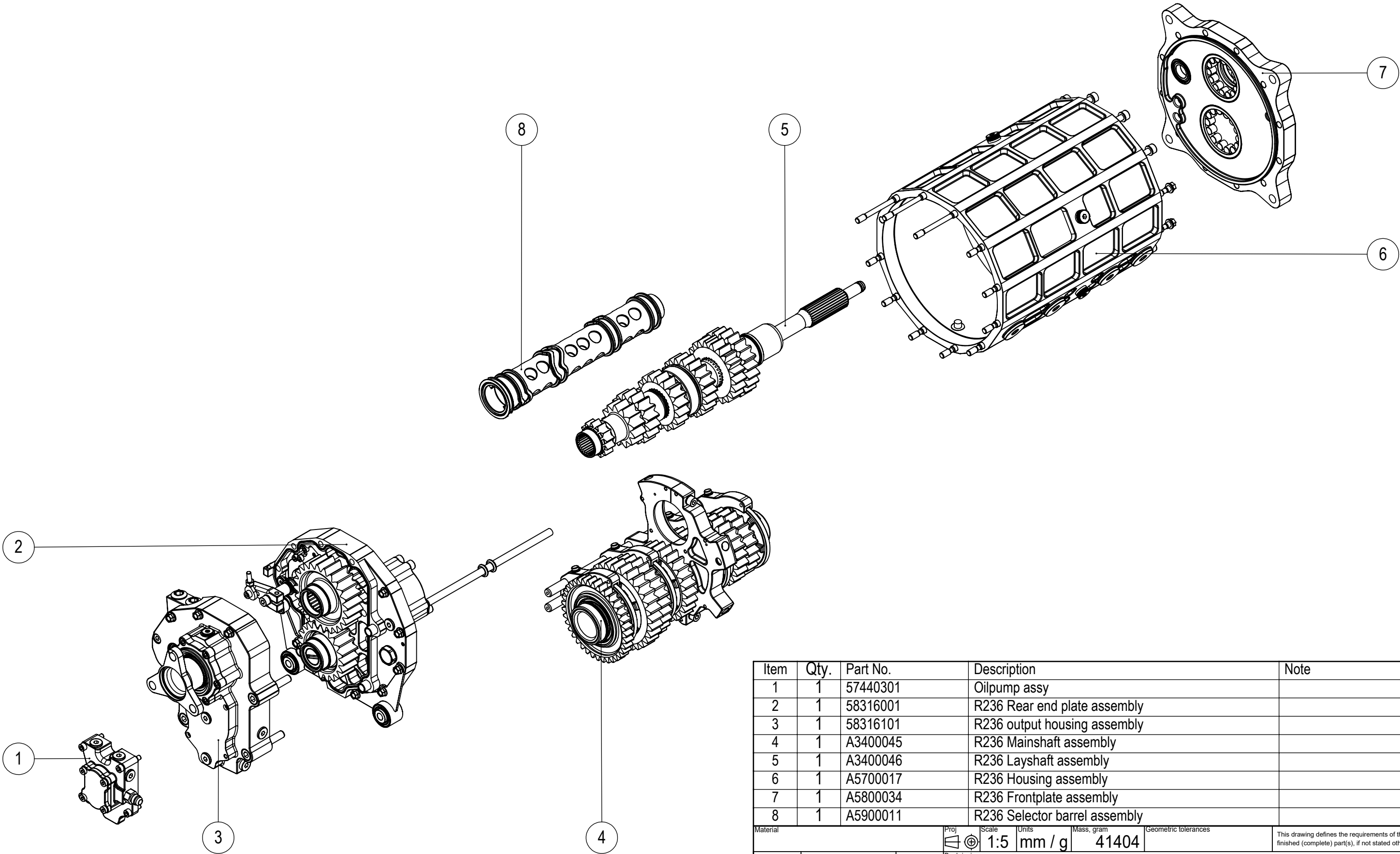


DETAIL D
SCALE 2 : 3.5

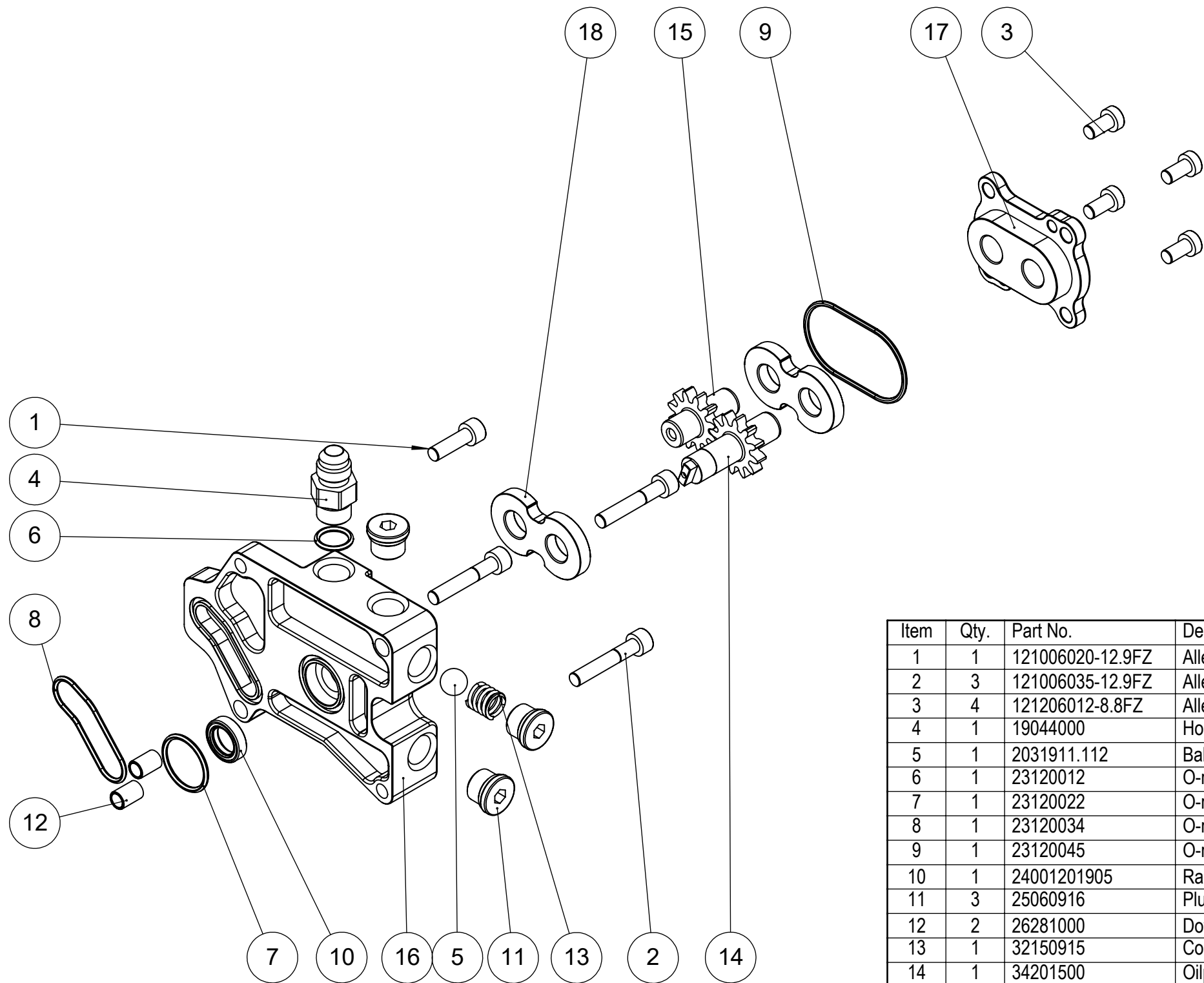
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

Material			Proj 	Scale 1:3.5	Units mm / g	Mass, gram 41404	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by			Beskrivning								
Checked by			Description								
Drawn by	J.Thide	2021-12-07	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden			Sheet 3/4	Drawing number R236		Category	Revision A	
Designed by	JThide										

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

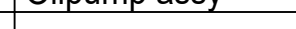


Item	Qty.	Part No.	Description	Note					
1	1	57440301	Oilpump assy						
2	1	58316001	R236 Rear end plate assembly						
3	1	58316101	R236 output housing assembly						
4	1	A3400045	R236 Mainshaft assembly						
5	1	A3400046	R236 Layshaft assembly						
6	1	A5700017	R236 Housing assembly						
7	1	A5800034	R236 Frontplate assembly						
8	1	A5900011	R236 Selector barrel assembly						
Material		Proj	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
			1:5	mm / g	41404				
Approved and released by		Beskrivning							
Checked by		Description							
Drawn by	J.Thide	2021-12-07			Sheet	Drawing number		Category	Revision
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden		4/4	R236			A

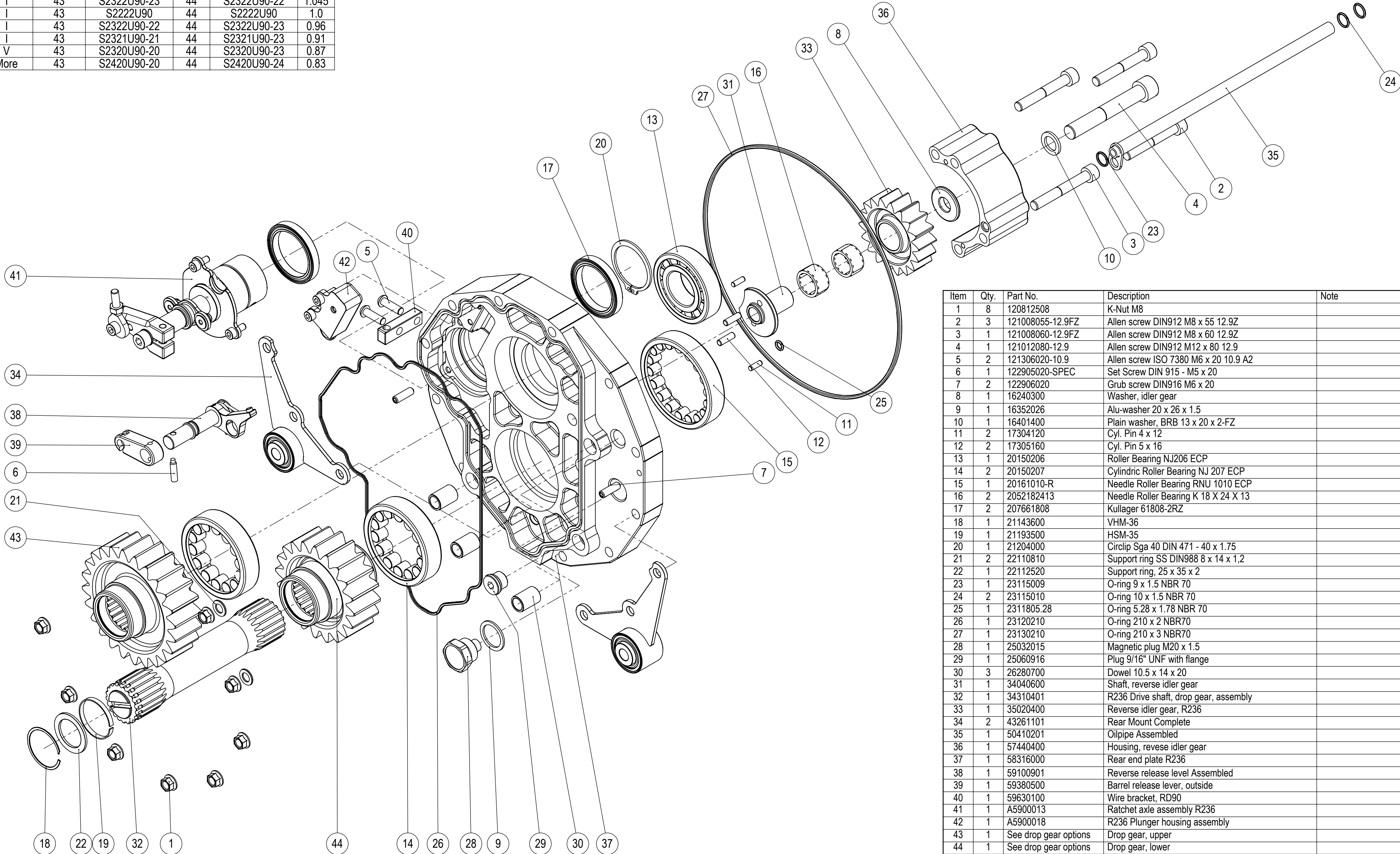


Rev.	Note	Date	Rev. By	Appr. By
A	Updated after migration	2022-07-13	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
2	3	121006035-12.9FZ	Allen screw DIN912 M6 x 35 12.9Z	
3	4	121206012-8.8FZ	Allen Screw DIN7984 M6 x 12 8.8Z	
4	1	19044000	Hose fitting 9/16-18 - AN6	
5	1	2031911.112	Ball RB 11.112 RS	
6	1	23120012	O-ring 12 x 2 NBR 70	
7	1	23120022	O-ring 22 x 2 NBR 70	
8	1	23120034	O-ring 34 x 2.0 NBR70	
9	1	23120045	O-ring 45 x 2 NBR70	
10	1	24001201905	Radial seal 12 x 19 x 5	
11	3	25060916	Plug 9/16" UNF with flange	
12	2	26281000	Dowel, 6.15 x 8 x 11.8	
13	1	32150915	Compression spring 1.5 x 9 x 15	
14	1	34201500	Oilpump drive shaft	
15	1	34201600	Oil pump driven shaft	
16	1	57440300	Oilpump housing	
17	1	58252200	Oilpump cover	
18	2	60220900	Oilpump side washer	
Material			Proj Scale 1:2 Units mm / g Mass, gram 636 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-13	Beskrivning	
Checked by	J.Thide	2022-07-13	Description	
Drawn by			TRACTIVE	
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden	
			Sheet 1/2 Part and drawing number 57440301	Category Revision A

Material			  1:1	Units mm / g	Mass, gram 636	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	J.Thide	2022-07-13	Beskrivning						
Checked by	J.Thide	2022-07-13	Description Oilpump assy						
Drawn by					Sheet	Part and drawing number		Category	Revision
Designed by	JThide				2/2	57440301			A
			Gjutargatan 54 S-781 70 Borlänge - Sweden						

Drop gear options					
Drop gear upper			Drop gear lower		
Top speed	Item	Part no.	Item	Part no.	Ratio
Less	43	S2420U90-24	44	S2420U90-20	1.2
I	43	S2320U90-23	44	S2320U90-20	1.15
I	43	S2321U90-23	44	S2321U90-21	1.095
I	43	S2322U90-23	44	S2322U90-22	1.045
I	43	S2222U90	44	S2222U90	1.0
I	43	S2322U90-22	44	S2322U90-23	0.96
I	43	S2321U90-21	44	S2321U90-23	0.91
V	43	S2320U90-20	44	S2320U90-23	0.87
More	43	S2420U90-20	44	S2420U90-24	0.83



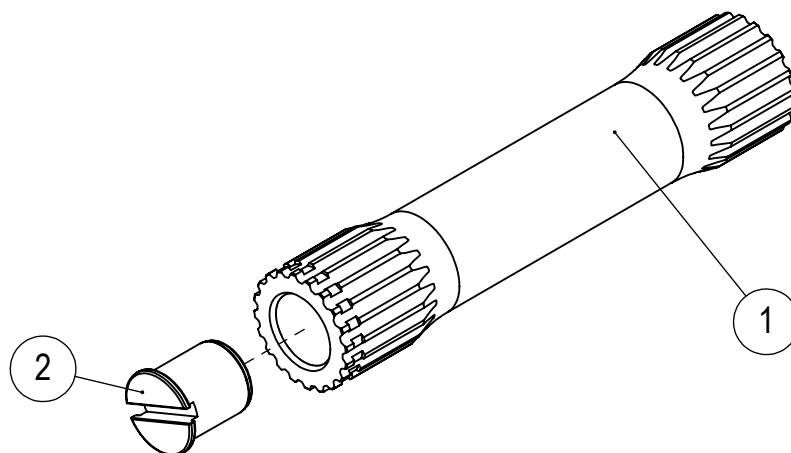
Item	Qty.	Part No.	Description	Note
1	8	120812508	K-Nut M8	
2	3	121008055-12.9FZ	Allen screw DIN912 M8 x 55 12.9Z	
3	1	121008060-12.9FZ	Allen screw DIN912 M8 x 60 12.9Z	
4	1	121012080-12.9	Allen screw DIN912 M12 x 80 12.9	
5	2	121306020-10.9	Allen screw ISO 7380 M6 x 20 10.9 A2	
6	1	122905020-SPEC	Set Screw DIN 915 - M5 x 20	
7	2	122906020	Grub screw DIN916 M6 x 20	
8	1	16240300	Washer, idler gear	
9	1	16352026	Alu-washer 20 x 26 x 1.5	
10	1	16401400	Plain washer, BRB 13 x 20 x 2-FZ	
11	2	17304120	Cyl. Pin 4 x 12	
12	2	17305160	Cyl. Pin 5 x 16	
13	1	20150206	Roller Bearing NJ206 ECP	
14	2	20150207	Cylindric Roller Bearing NJ 207 ECP	
15	1	20161010-R	Needle Roller Bearing RNU 1010 ECP	
16	2	2052182413	Needle Roller Bearing K 18 X 24 X 13	
17	2	207661808	Kullager 61808-2RZ	
18	1	21143600	VHM-36	
19	1	21193500	HSM-35	
20	1	21204000	Circlip Sga 40 DIN 471 - 40 x 1.75	
21	2	22110810	Support ring SS DIN988 8 x 14 x 1,2	
22	1	22112520	Support ring, 25 x 35 x 2	
23	1	23115009	O-ring 9 x 1.5 NBR 70	
24	2	23115010	O-ring 10 x 1.5 NBR 70	
25	1	2311805.28	O-ring 5.28 x 1.78 NBR 70	
26	1	23120210	O-ring 210 x 2 NBR70	
27	1	23130210	O-ring 210 x 3 NBR70	
28	1	25032015	Magnetic plug M20 x 1.5	
29	1	25060916	Plug 9/16" UNF with flange	
30	3	26280700	Dowel 10.5 x 14 x 20	
31	1	34040600	Shaft, reverse idler gear	
32	1	34310401	R236 Drive shaft, drop gear, assembly	
33	1	35020400	Reverse idler gear, R236	
34	2	43261101	Rear Mount Complete	
35	1	50410201	Oilpipe Assembled	
36	1	57440400	Housing, revese idler gear	
37	1	58316000	Rear end plate R236	
38	1	59100901	Reverse release level Assembled	
39	1	59380500	Barrel release lever, outside	
40	1	59630100	Wire bracket, RD90	
41	1	A5900013	Ratchet axle assembly R236	
42	1	A5900018	R236 Plunger housing assembly	
43	1	See drop gear options	Drop gear, upper	
44	1	See drop gear options	Drop gear, lower	

Material			Proj Scale Units Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-13	1:2 mm / g 8494	Description		
Checked by	J.Thide	2022-07-13	R236 Rear end plate assembly			
Drawn by	J.Thide	2021-12-08	Sheet		Part and drawing number	
Designed by	JThide		1/2		58316001	
			Category		Revision	
					A	

Material		 Scale 1:2		Units mm / g	Mass, gram 8494	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	J.Thide	2022-07-13	Description R236 Rear end plate assembly						
Checked by	J.Thide	2022-07-13	Description R236 Rear end plate assembly						
Drawn by	J.Thide	2021-12-08			Sheet 2/2	Part and drawing number 583160001		Category	Revision A
Designed by	J.Thide	Gjutargatan 54 S-781 70 Borlänge - Sweden							

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	Updated after migration	2022-07-13	JT	JT

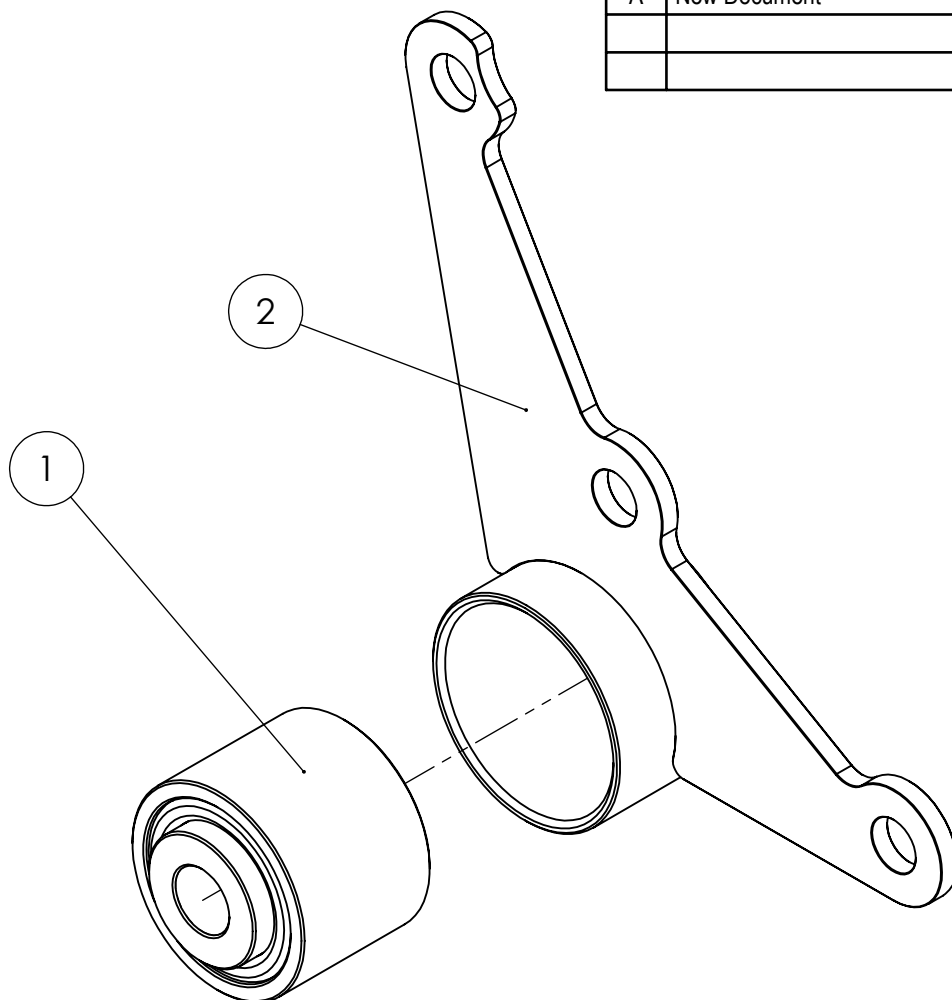


Item	Qty.	Part No.	Description	Note
1	1	34310400	Drive shaft, drop gear, HT	
2	1	39120400	Drive stud oilpump	
Material			Proj  Scale 1:2 Units mm / g Mass, gram 686 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-13	Beskrivning	
Checked by	J.Thide	2022-07-13	Description	
Drawn by	J.Thide	2020-07-08	TRACTIVE	
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden	
			Sheet 1/1	Part and drawing number 34310401
			Category	Revision A

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2017-11-15	JG	JG

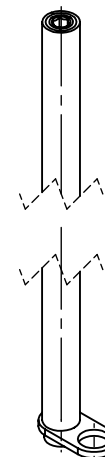
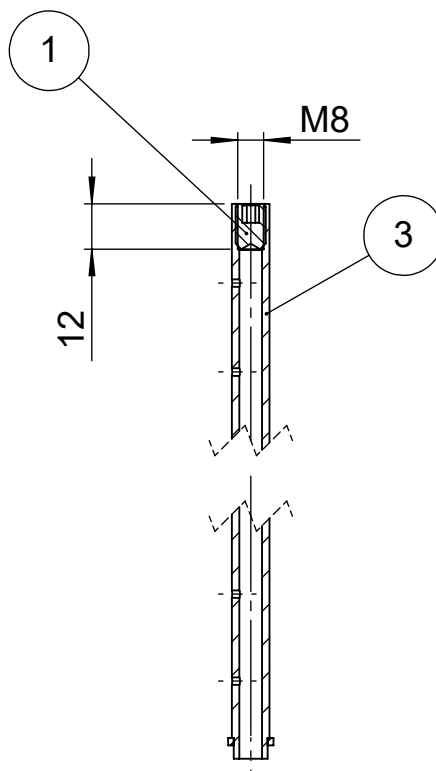
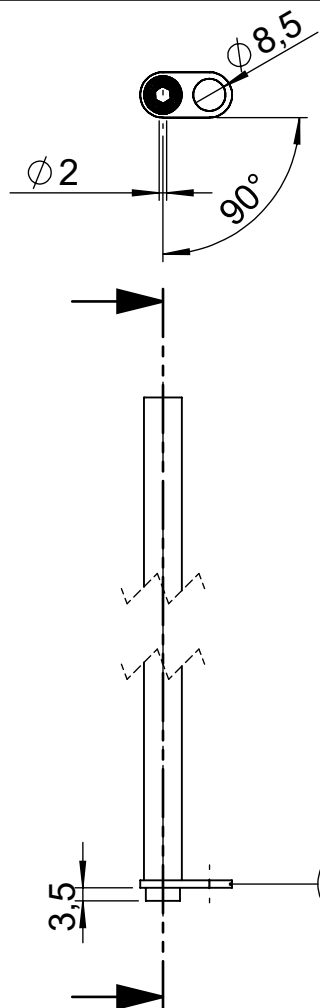
**If you have old style bracket with 35mm bushing,
you need a sleeve 26340700 to go with your bushing**



ITEM NO.	PART/ASSY NUMBER	DESCRIPTION			QTY.
1	33270200	Bushing 32mm			1
2	43261100	Bracket Rear, RD90			1
Material		Description Rear Mount Complete			
Geometric Tolerance		Sheet 1/1	Mass in Gram 241	Dim.in mm	Note
TRACTIVE		Date 2017-11-15	Proj	Part Number 43261101	
		Drawn by JT	Designed by JT	Scale 1:1	Revision A

Approved

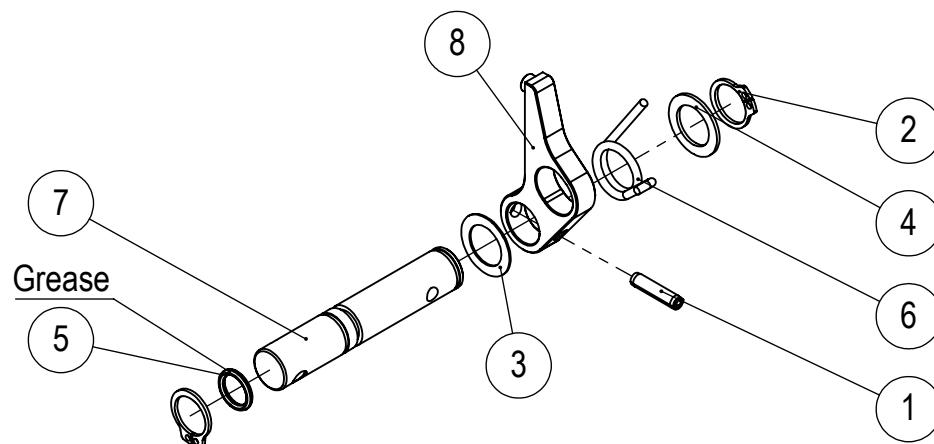
Rev.	Note	Date	Rev. By	Appr. By
A	MIGRATED	2022-07-13	S.A	S.A



Item	Qty.	Part No.	Description				Note		
1	1	12280808	M8 x 8, Socket set screw, cup point, DIN916						
2	1	43250200	Bracket oilpipe						
3	1	50410200	Oil pipe						
Material			Proj 	Scale 1:2	Units mm / g	Mass, gram 101	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	S.A	2022-07-13	Beskrivning						
Checked by	System Administrator	2022-07-13	Description Oilpipe Assembled						
Drawn by						Sheet 1/1	Drawing number 50410201	Category	Revision A
Designed by	AJ		Gjutargatan 54 S-781 70 Borlänge - Sweden						

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-03	JH	JH



Item	Qty.	Part No.	Description	Note
1	1	17504160	Roll pin 4 x 16	
2	2	21201200	Circlip Sga 12 DIN 471 - 12 x 1	
3	1	22111205	Support ring 12 x 18 x 0.5 Fzb	
4	1	22111210	Support ring 12 x 18 x 1	
5	1	23115009	O-ring 9 x 1.5 NBR 70	
6	1	32080500	Spring, release mech	
7	1	59100900	Reverse release axle	
8	1	59150500	Pawl, barrel release mech	

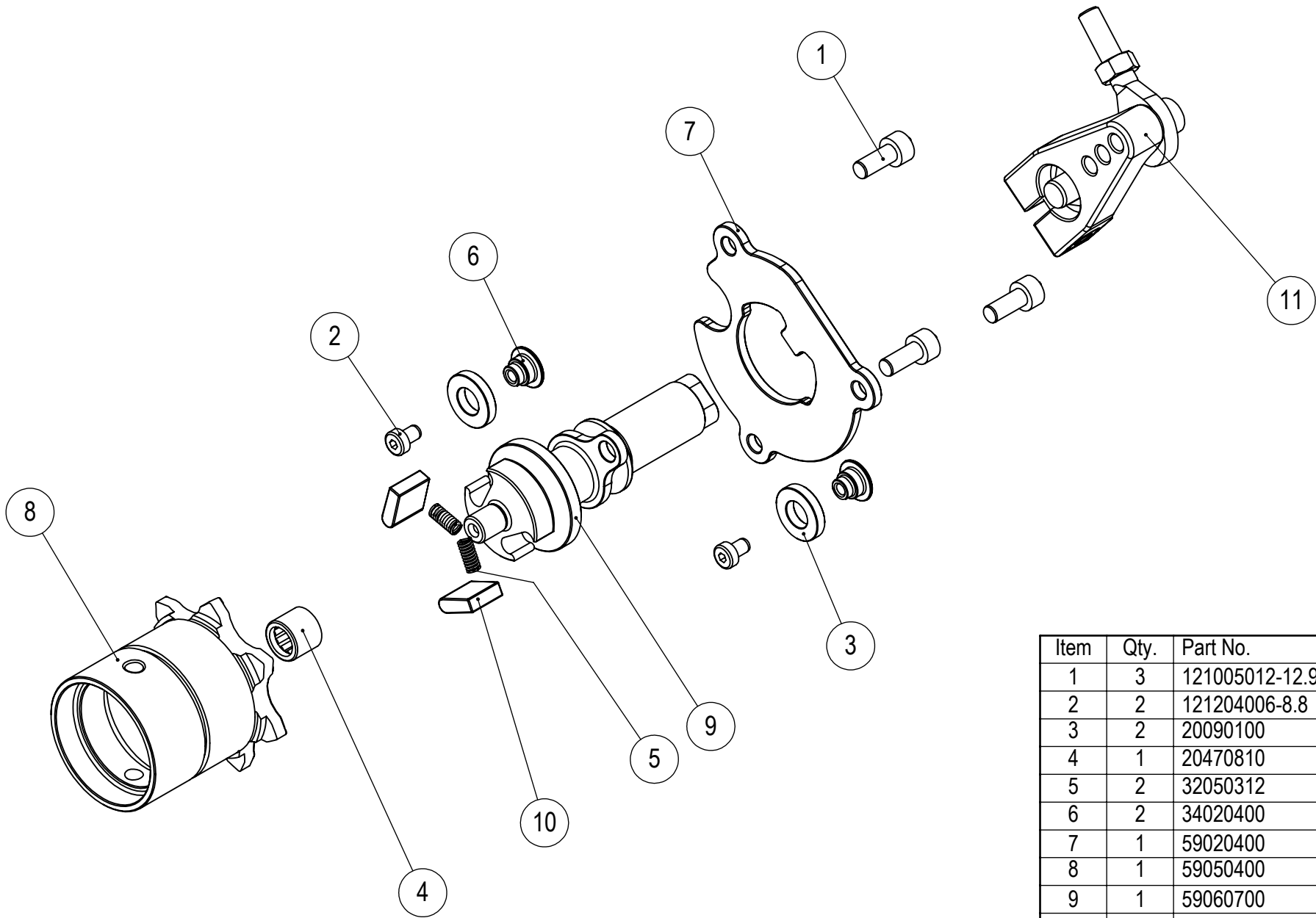
Material		Description Reverse release level Assembled		
Geometric Tolerance	Sheet 1/1	Mass in Gram 90	Dim.in mm	Note
TRACTIVE		Date 2017-12-29	Proj	Part Number 59100901
		Drawn by JT	Designed by JT	Scale 1:2
				Revision A

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

2022-07-28 Model: A5900013 Rev: A

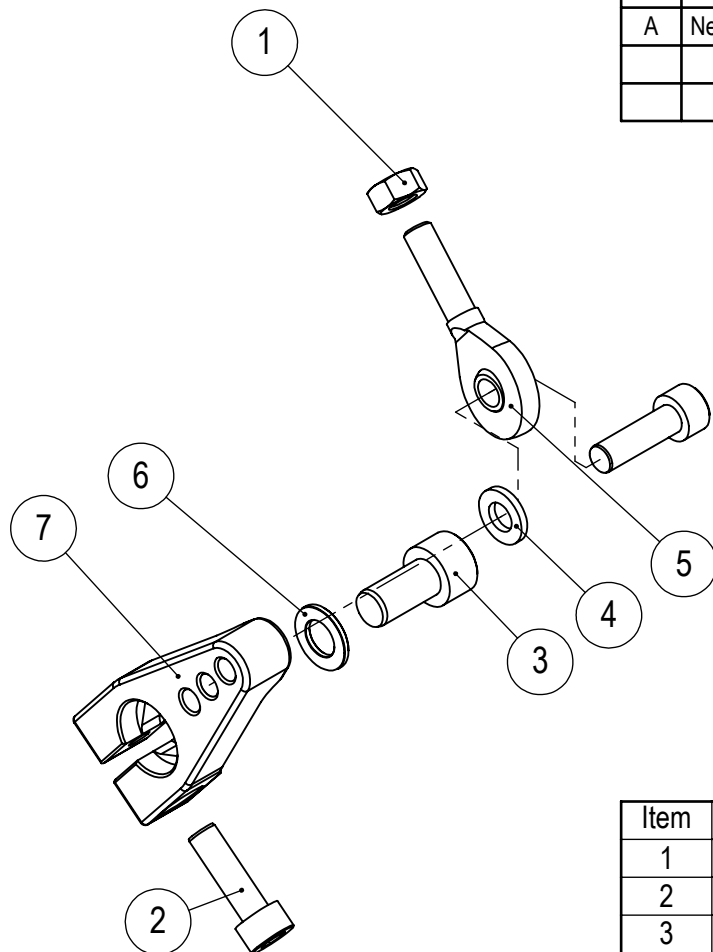
Approved



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

Item	Qty.	Part No.	Description	Note
1	3	121005012-12.9	Allen screw DIN912 M5 x 12 12.9	
2	2	121204006-8.8	Allen Screw DIN7984 M4x6 8.8	
3	2	20090100	Roller, detent plunger	
4	1	20470810	Needle Roller Bushing, HK 0810	
5	2	32050312	Compression spring	
6	2	34020400	Bearing, detent roller	
7	1	59020400	Cam Plate R236	
8	1	59050400	Index housing outer R236	
9	1	59060700	Ratchet axle R236	
10	2	59150100	Ratchet Pawl	
11	1	59380201	Lever complete	
Material			Proj  Scale 1:1.5 Units mm / g Mass, gram 499 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-13	Beskrivning	
Checked by	J.Thide	2022-07-13	Description	
Drawn by	J.Thide	2022-07-13	Ratchet axle assembly R236	
Designed by	JThide			
				
			Gjutargatan 54 S-781 70 Borlänge - Sweden	
			Sheet 1/1	Drawing number A5900013
			Category	Revision A

Approved



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	12070206	Nut M6, DIN934 FZB	
2	2	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
3	1	121008016-12.9FZ	Allen screw DIN912 M8 x 16 12.9Z	
4	1	16400600	Plain washer 6.4 x 12 /M6	
5	1	20901006	Uniball M6	
6	1	22110810	Support ring SS DIN988 8 x 14 x 1,2	
7	1	59380200	Gear lever, RD90	

Material		Proj	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
			1:1.5	mm / g			
Approved and released by	J.Thide	2022-07-13	Beskrivning				
Checked by	J.Thide	2022-07-13	Description				
Drawn by	J.Thide	2022-07-13	Sheet		Drawing number	Category	Revision
Designed by	J.Thide	2022-07-13	1/1		59380201	T	A

Gjutargatan 54 S-781 70 Borlänge - Sweden	
---	--

TRACTIVE
Gjutargatan 54 S-781 70 Borlänge - Sweden

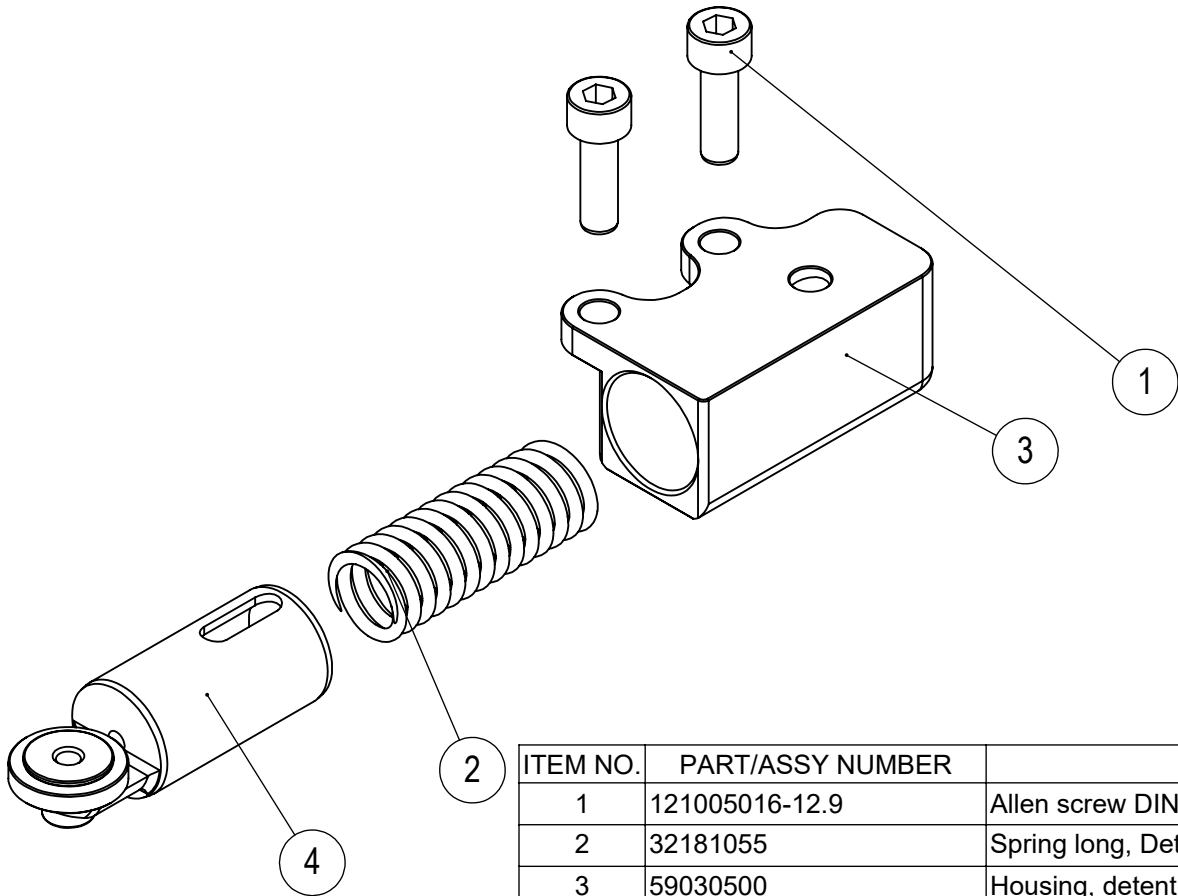
THIS DRAWING IS THE PROPERTY OF Tractive AB. ITS SUBMISSION DOES NOT INCLUDE OR CARRY THE RIGHT TO MAKE, USE OR SELL WHAT IS ILLUSTRATED WITHOUT THE WRITTEN CONSENT OF Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 Fax +46 243 22 11 80
www.tractive.se / www.pentruder.com

Model: A5900018 Rev: A

Approved

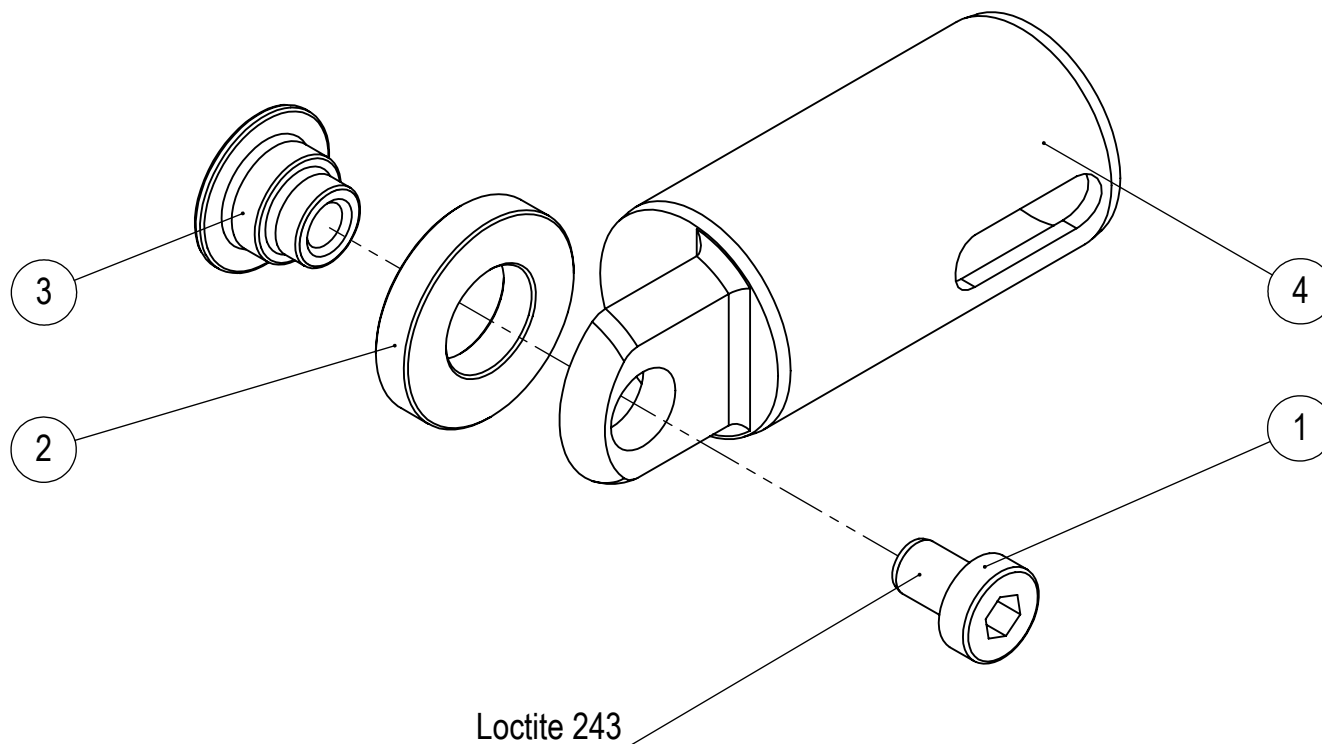
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2017-11-23	JG	JG



ITEM NO.	PART/ASSY NUMBER	DESCRIPTION	QTY.
1	121005016-12.9	Allen screw DIN912 M5 x 16 12.9	2
2	32181055	Spring long, Detent plunger	1
3	59030500	Housing, detent plunger	1
4	59210201	Detent Plunger	1
Material		Description	
Geometric Tolerance		R236 Plunger housing assembly	
Sheet 1/1		Mass in Gram 111	Dim.in mm
Date 2017-11-23		Proj	Description 2
Drawn by JT		Designed by JT	Part Number
Scale 1:1			Revision
TRACTIVE		A5900018 A	

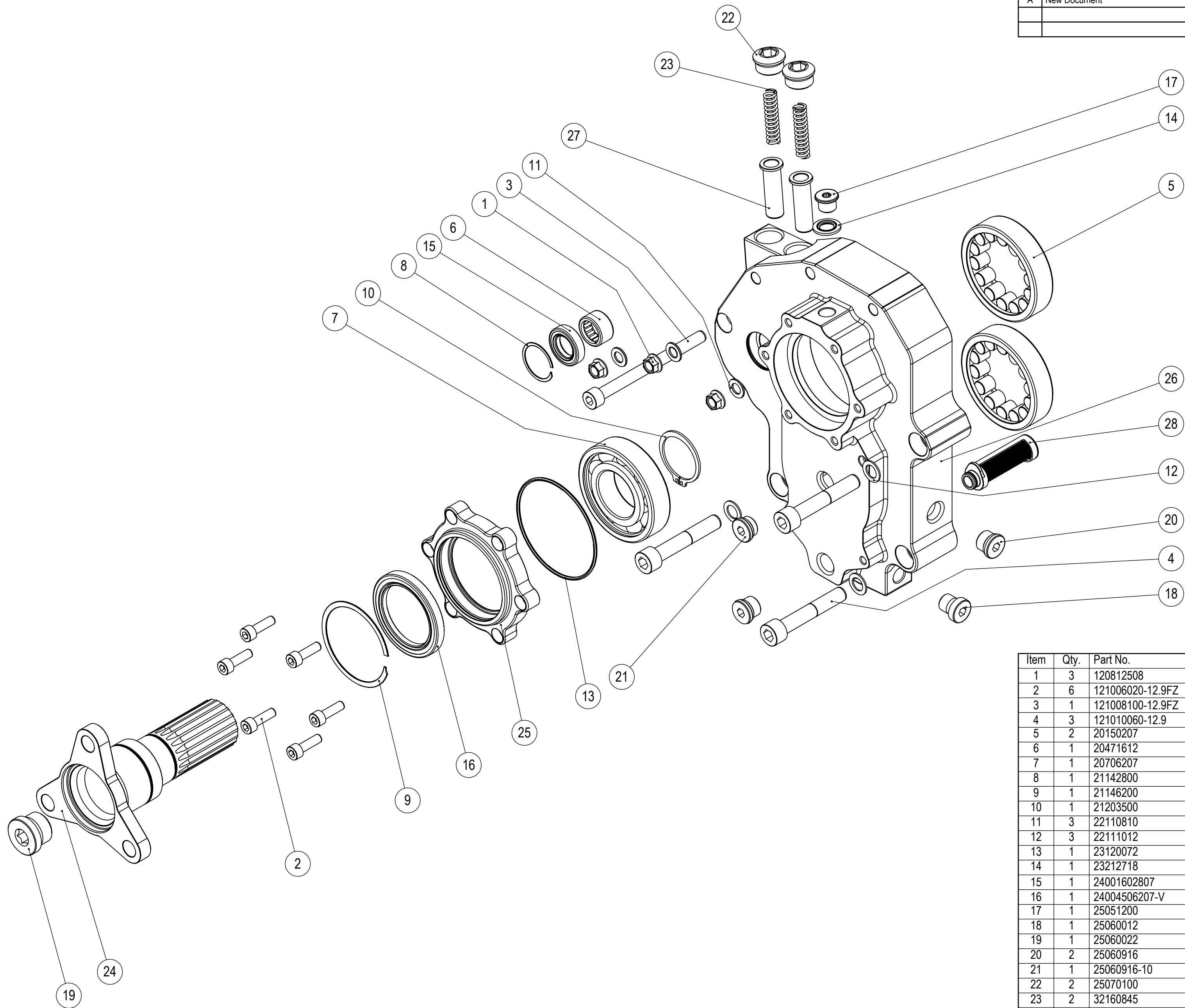
Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-09	JG	JG



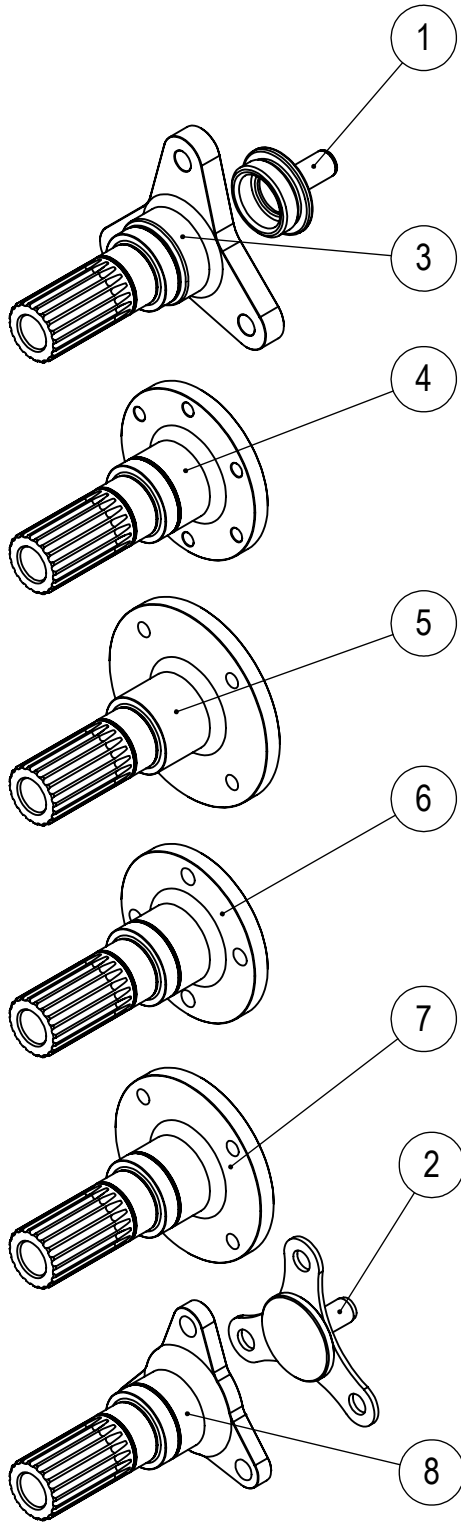
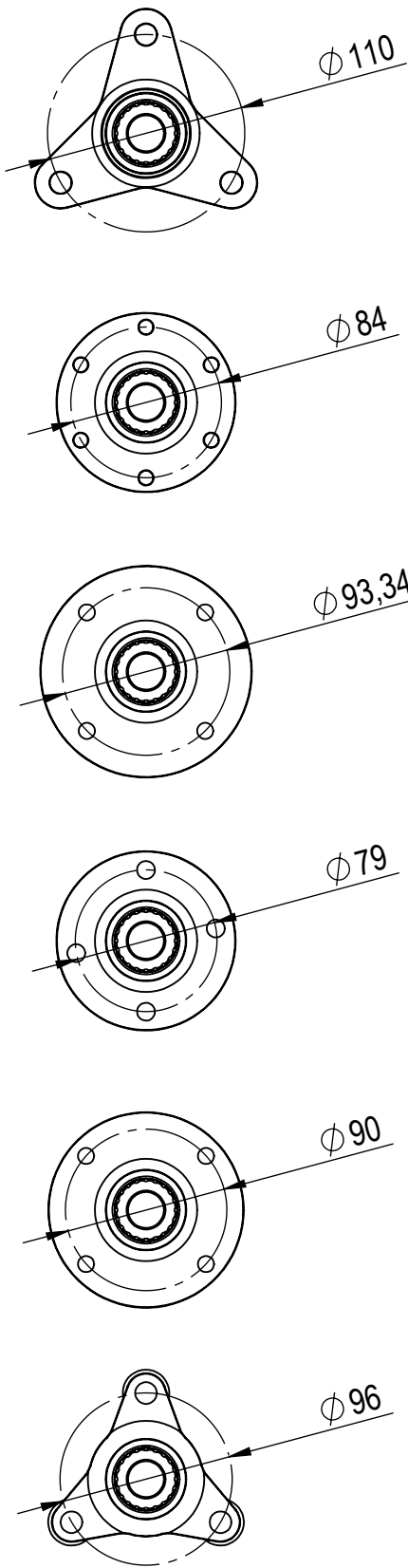
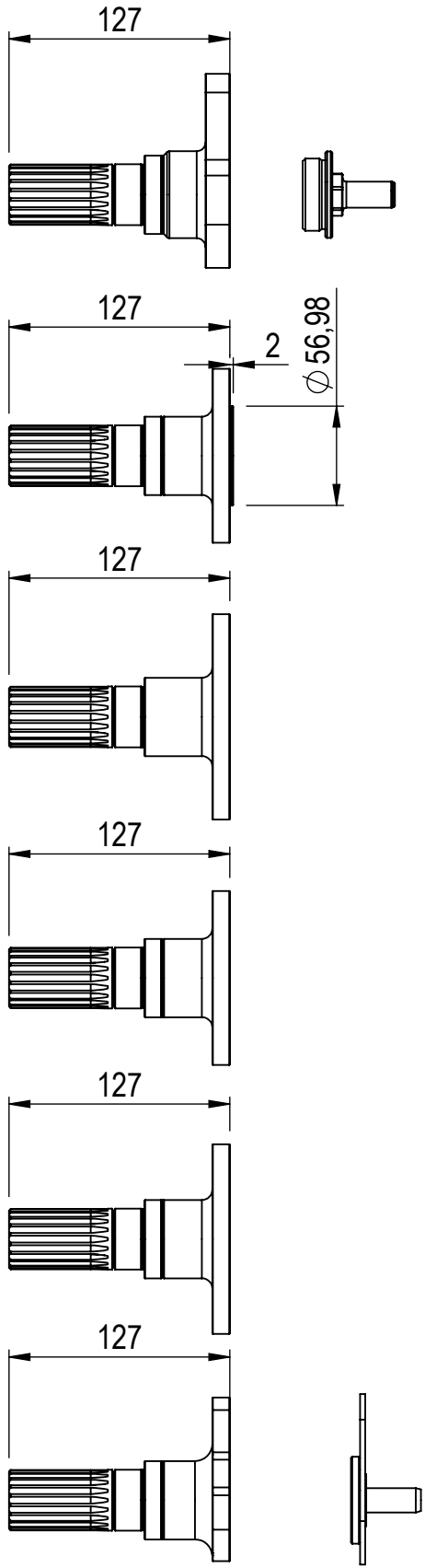
Item	Qty.	Part No.	Description	Note
1	1	121204006-8.8FZ	Allen screw DIN912 M4 x 8 8.8Z Low head	
2	1	20090100	Roller, detent plunger	
3	1	34020400	Bearing, detent roller	
4	1	59210200	Detent plunger	

Material		Description Detent Plunger		
Geometric Tolerance	Sheet 1/1	Mass in Gram 27	Dim.in mm	Note
TRACTIVE		Date 2017-12-29	Proj	Part Number
		Drawn by JT	Designed by JT	Scale 2:1
59210201				Revision A



Item	Qty.	Part No.	Description	Note
1	3	120812508	K-Nut M8	
2	6	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
3	1	121008100-12.9FZ	Allen screw DIN912 M8 x 100 12.9Z	
4	3	121010060-12.9	Allen screw DIN912 M10 x 60 12.9	
5	2	20150207	Cylindric Roller Bearing NJ 207 ECP	
6	1	20471612	Needle Roller Bushing HK1612	
7	1	20706207	Radial Support Bearing 6207	
8	1	21142800	Retaining ring, Internal, VHM-28	
9	1	21146200	Circlip VHM-62	
10	1	21203500	Circlip Sga 35 DIN 471 - 35 x 1.5	
11	3	22110810	Support ring SS DIN988 8 x 14 x 1,2	
12	3	22111012	Support ring 10 x 16 x 1.2	
13	1	23120072	O-ring 72 x 2 NBR70	
14	1	23212718	Dowty washer, 12.7 x 18 x 1.5 M12	
15	1	24001602807	Radial Seal 16 x 28 x 7	
16	1	24004506207-V	Radial seal 45 x 62 x 7 Viton	
17	1	25051200	Plug, M12 x 1	
18	1	25060012	Plug M12 x 1.5 ED with flange	
19	1	25060022	Plugg M22x1.5	
20	2	25060916	Plug 9/16" UNF with flange	
21	1	25060916-10	Plug 9/16 UNF with flange	10mm long
22	2	25070100	Allen plug AN-8	
23	2	32160845	Spring 1.6 x 8 x 45 ID=6.4	6059 = 199Fn
24	1	39019500	Flange, BMW Big Hardy disc	
25	1	57172200	Propshaft bearing housing	
26	1	58316100	Cover rear, R236	
27	2	59210700	Plunger	
28	1	60130201	Filter oil pump assembly	

Material	Proj	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
	Beskrivning	1:2	mm / g	3500		
Approved and released by	S.A	2022-07-13	Description	R236 output housing assembly		
Checked by	System Administrator	2022-07-13	Sheet	Drawing number	Category	Revision
Drawn by	J.Thide	2022-07-12	1/1	58316101	T	A
Designed by	JThide		Jglutargatan 54 S-781 70 Borlänge - Sweden			

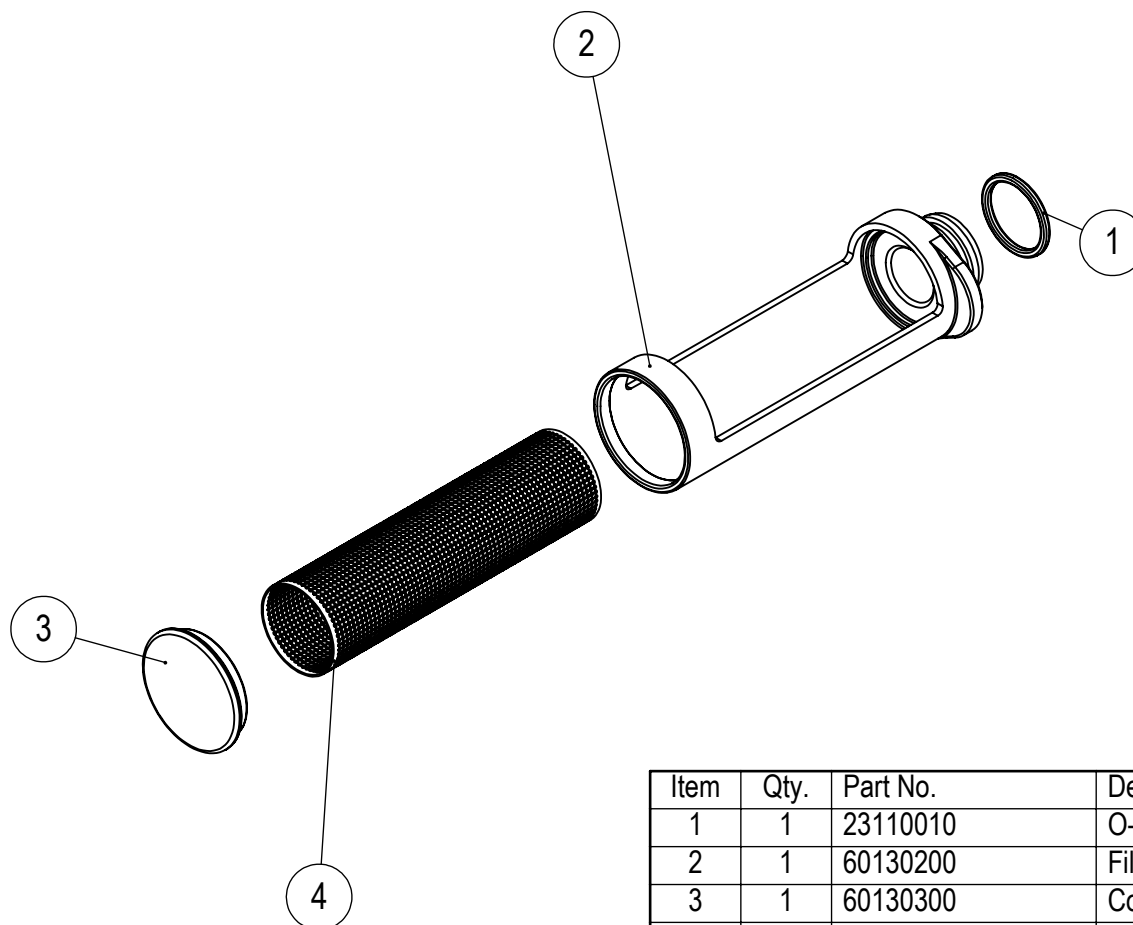


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-14	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	14090100	Stud	
2	1	34720100	Centralizing pin	
3	1	39019200	Flange, BMW Big Hardy disc	
4	1	39019300	6 x Ø8 P.C.D 84	
5	1	39019400	Toyota	
6	1	39019600	Flange, Volvo PCD 79	
7	1	39019700	Flange, Ford Atlas	
8	1	39019800	Flange, Volvo Hardy Disc	
Material			Proj  Scale 1:4 Units mm / g Mass, gram Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-14	Beskrivning	
Checked by	J.Thide	2022-07-14	Description	
Drawn by	J.Thide	2022-06-27	R output flanges	
Designed by	J.Thide	2022-06-27	 1/1	
Gjutargatan 54 S-781 70 Borlänge - Sweden			Sheet 1/1 Drawing number A39000004	Category T Revision A

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	MIGRATED	2022-07-13	S.A	S.A

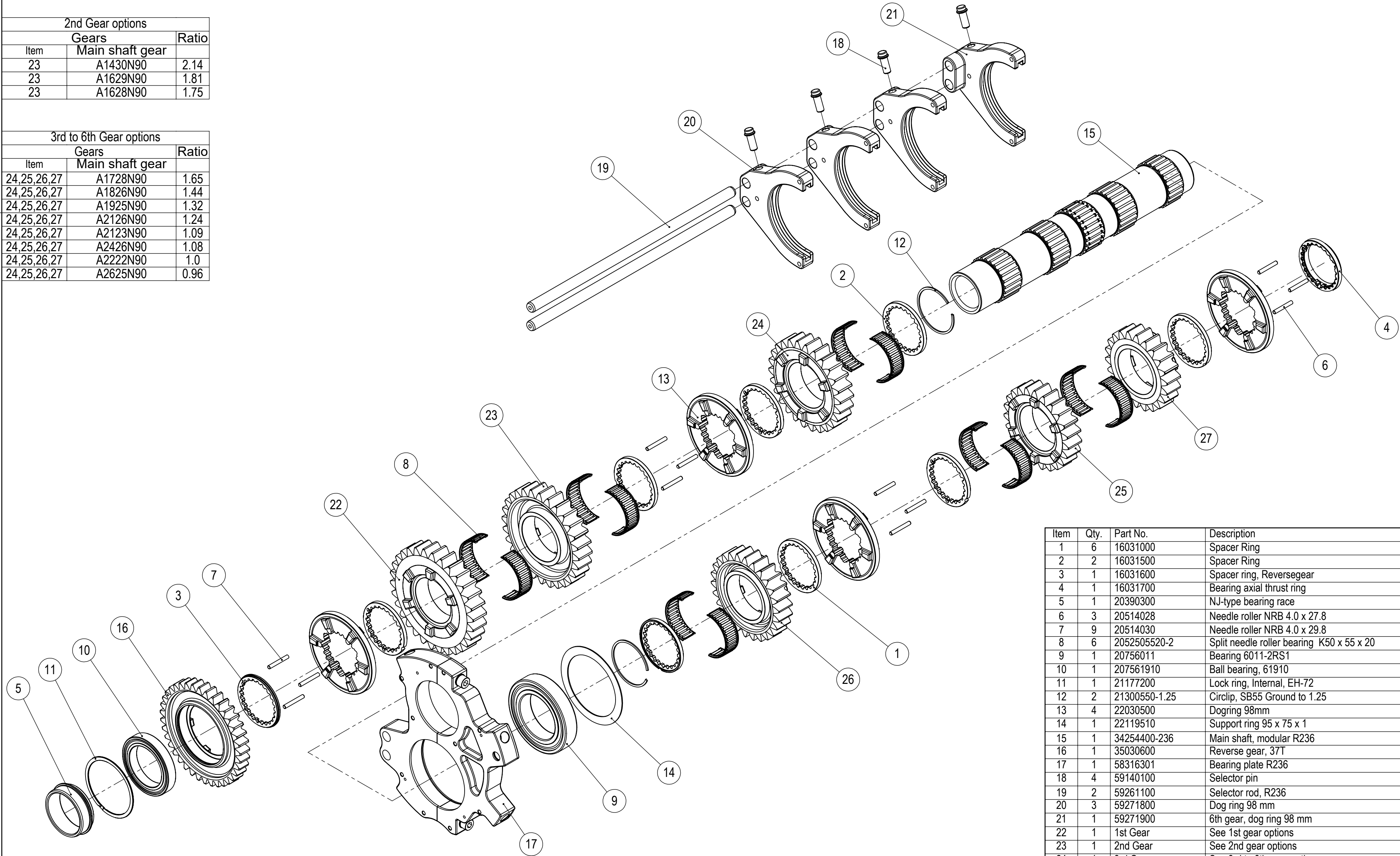


Item	Qty.	Part No.	Description	Note					
1	1	23110010	O-ring 10 x 1.0 NBR 70						
2	1	60130200	Filter holder oil pump						
3	1	60130300	Cover filter holder oil pump						
4	1	60130400	Filter mesh 160µm						
Material			Proj 	Scale 1:1	Units mm / g	Mass, gram 8	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	S.A	2022-07-13	Beskrivning filter oljepump R236						
Checked by	System Administrator	2022-07-13	Description Filter oil pump assembly						
Drawn by	J.Thide	2020-07-08			Sheet 1/1	Part and drawing number 60130201		Category T	Revision A
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden						

1st Gear options		
Gears		Ratio
Item	Main shaft gear	
22	A1133N90	3.00
22	A1231N90	2.58
22	A1330N90	2.31

2nd Gear options		
Gears		Ratio
Item	Main shaft gear	
23	A1430N90	2.14
23	A1629N90	1.81
23	A1628N90	1.75

3rd to 6th Gear options		
Gears		Ratio
Item	Main shaft gear	
24, 25, 26, 27	A1728N90	1.65
24, 25, 26, 27	A1826N90	1.44
24, 25, 26, 27	A1925N90	1.32
24, 25, 26, 27	A2126N90	1.24
24, 25, 26, 27	A2123N90	1.09
24, 25, 26, 27	A2426N90	1.08
24, 25, 26, 27	A2222N90	1.0
24, 25, 26, 27	A2625N90	0.96

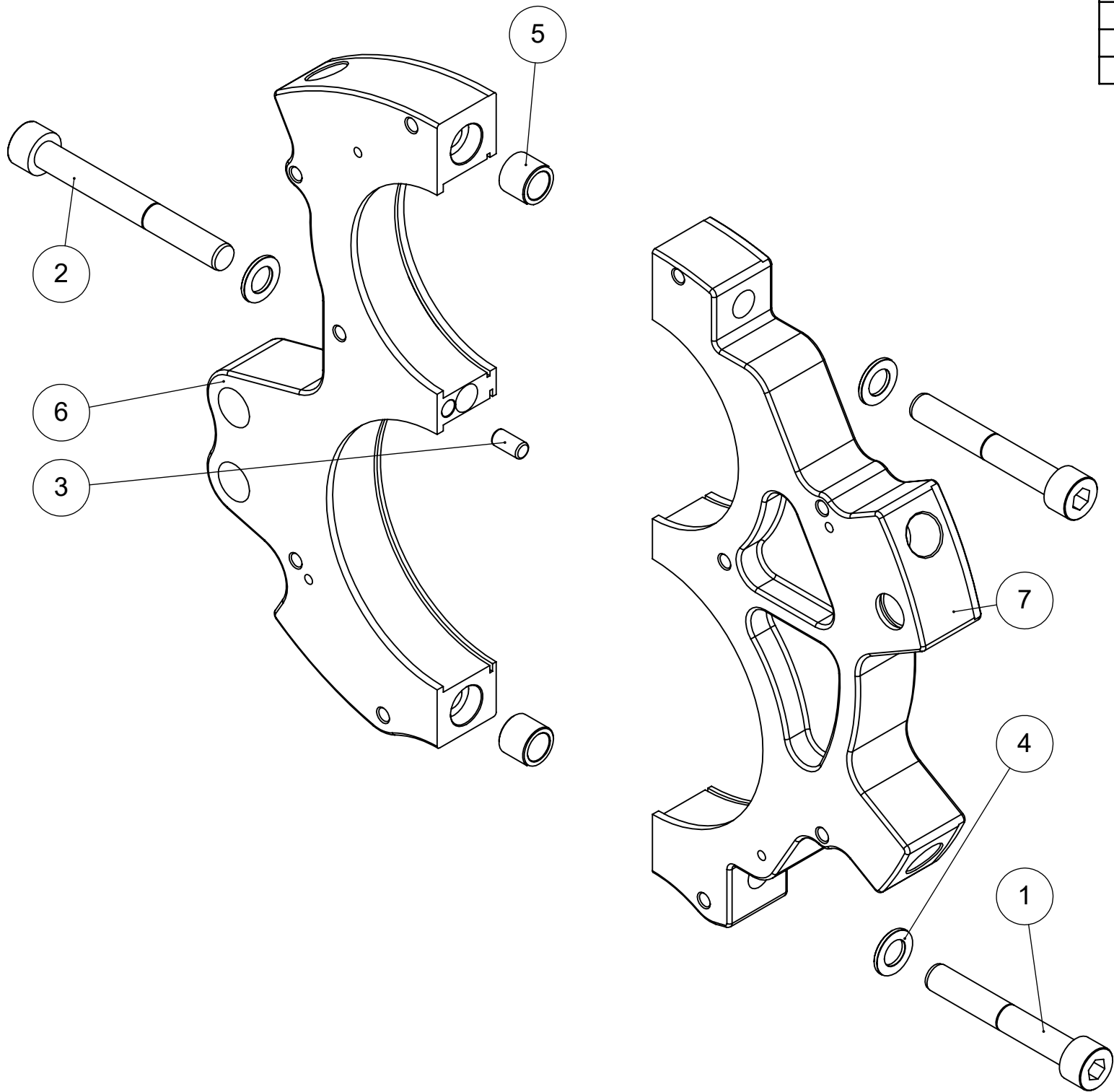


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-13	JT	JT

Item	Qty.	Part No.	Description	Note
1	6	16031000	Spacer Ring	
2	2	16031500	Spacer Ring	
3	1	16031600	Spacer ring, Reversegear	
4	1	16031700	Bearing axial thrust ring	
5	1	20390300	NJ-type bearing race	
6	3	20514028	Needle roller NRB 4.0 x 27.8	
7	9	20514030	Needle roller NRB 4.0 x 29.8	
8	6	2052505520-2	Split needle roller bearing K50 x 55 x 20	
9	1	20756011	Bearing 6011-2RS1	
10	1	207561910	Ball bearing, 61910	
11	1	21177200	Lock ring, Internal, EH-72	
12	2	21300550-1.25	Circlip, SB55 Ground to 1.25	
13	4	22030500	Dogring 98mm	
14	1	22119510	Support ring 95 x 75 x 1	
15	1	34254400-236	Main shaft, modular R236	
16	1	35030600	Reverse gear, 37T	
17	1	58316301	Bearing plate R236	
18	4	59140100	Selector pin	
19	2	59261100	Selector rod, R236	
20	3	59271800	Dog ring 98 mm	
21	1	59271900	6th gear, dog ring 98 mm	
22	1	1st Gear	See 1st gear options	
23	1	2nd Gear	See 2nd gear options	
24	1	3rd Gear	See 3rd to 6th gear options	
25	1	4th Gear	See 3rd to 6th gear options	
26	1	5th Gear	See 3rd to 6th gear options	
27	1	6th Gear	See 3rd to 6th gear options	

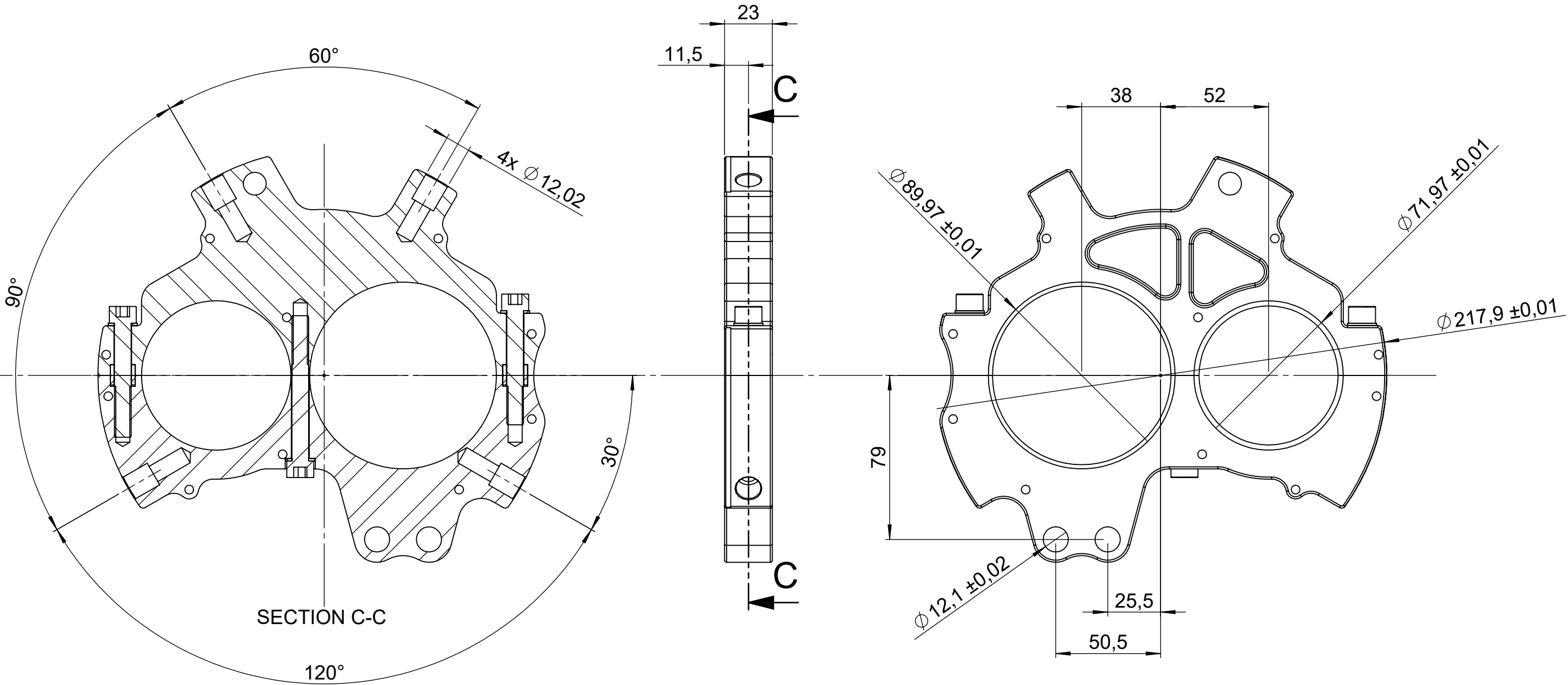
Material	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
	1:3	mm / g			
Approved and released by	S.A	2022-07-13	Description R236 Mainshaft assembly		
Checked by	System Administrator	2022-07-13	Sheet 1/1		
Drawn by	J.Thide	2022-07-12	Drawing number A3400045		
Designed by	JThide		Category Revision A		

Approved



Rev.	Note	Date	Rev. By	Appr. By
A	MIGRATED	2022-07-13	S.A	S.A

Item	Qty.	Part No.	Description	Note
1	2	121008055-12.9	Allen screw DIN912 M8 x 55 12.9	
2	1	121008070-12.9FZ	Allen screw DIN912 M8 x 70 12.9Z	
3	1	17305100	Cylindrical pin 5 x 10	
4	3	22110810	Support ring SS DIN988 8 x 14 x 1,2	
5	2	26280600	Dowel, 8.5 x 12 x 10	
6	1	58316300	R236 shaft support, left	
7	1	58317200	R236 shaft support, right	
Material			Proj  Scale 1:1.5 Units mm / g Mass, gram 981 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by S.A		2022-07-13	Beskrivning	
Checked by System Administrator		2022-07-13	Description Bearing plate R236	
Drawn by			 Sheet 1/2 Drawing number 58316301	Category Revision A
Designed by JThide			Gjutargatan 54 S-781 70 Borlänge - Sweden	



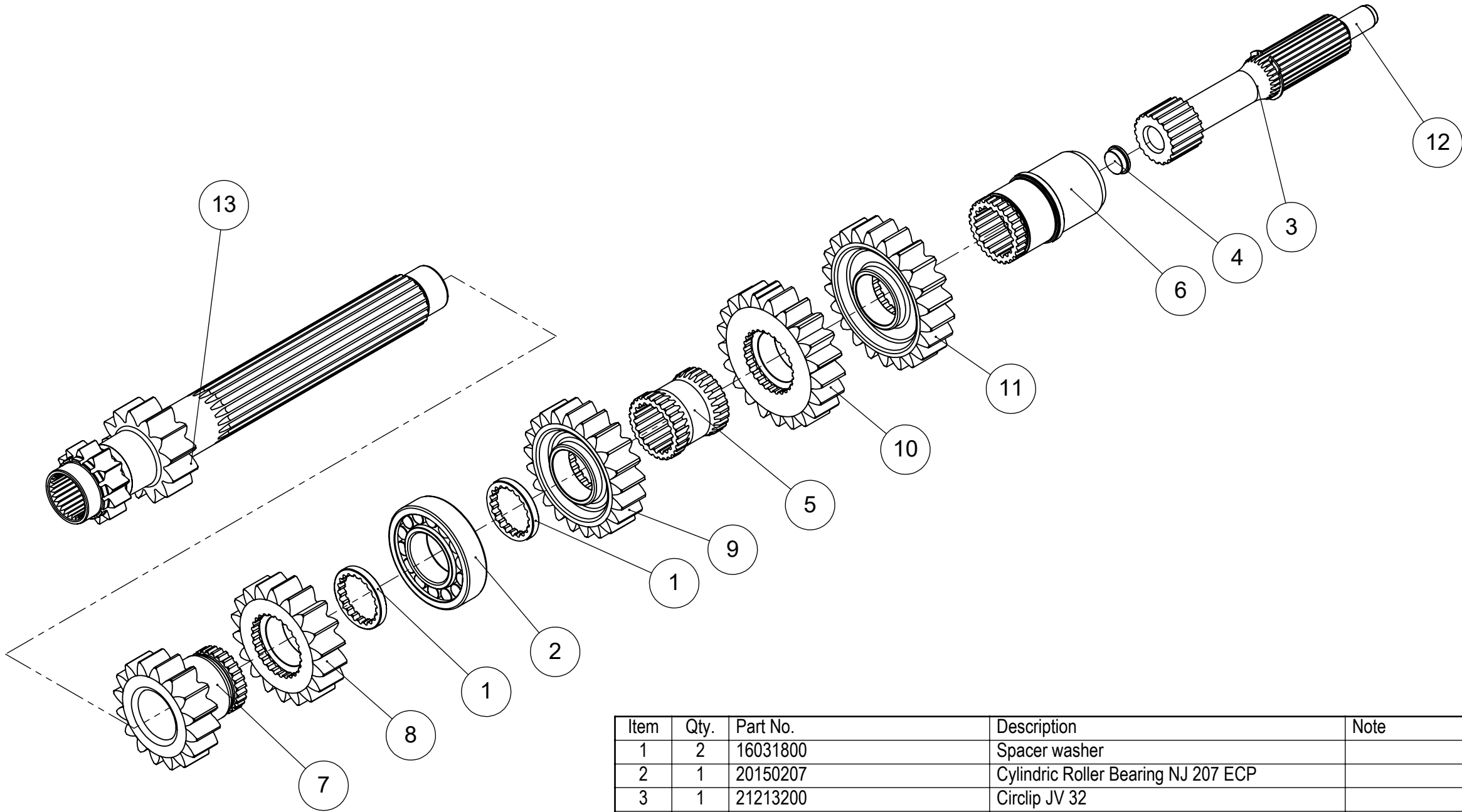
Rev.	Note	Date	Rev. By	Appr. By
A	MIGRATED	2022-07-13	S.A	S.A

Material			Proj 	Scale 1:2	Units mm / g	Mass, gram 981	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by	S.A	2022-07-13	Beskrivning								
Checked by	System Administrator	2022-07-13	Description Bearing plate R236								
Drawn by			<i>TRACTIVE</i>			Sheet 2/2	Drawing number 58316301		Category	Revision A	
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden								

Input shaft options		
Gears		Ratio
Item	Input shaft	
13	34243300	3.00
13	34243200	2.58
13	34243000	2.31

2nd Gear options		
Gears		Ratio
Item	Main shaft gear	
7	F1430N90	2.14
7	F1629N90	1.81
7	F1628N90	1.75

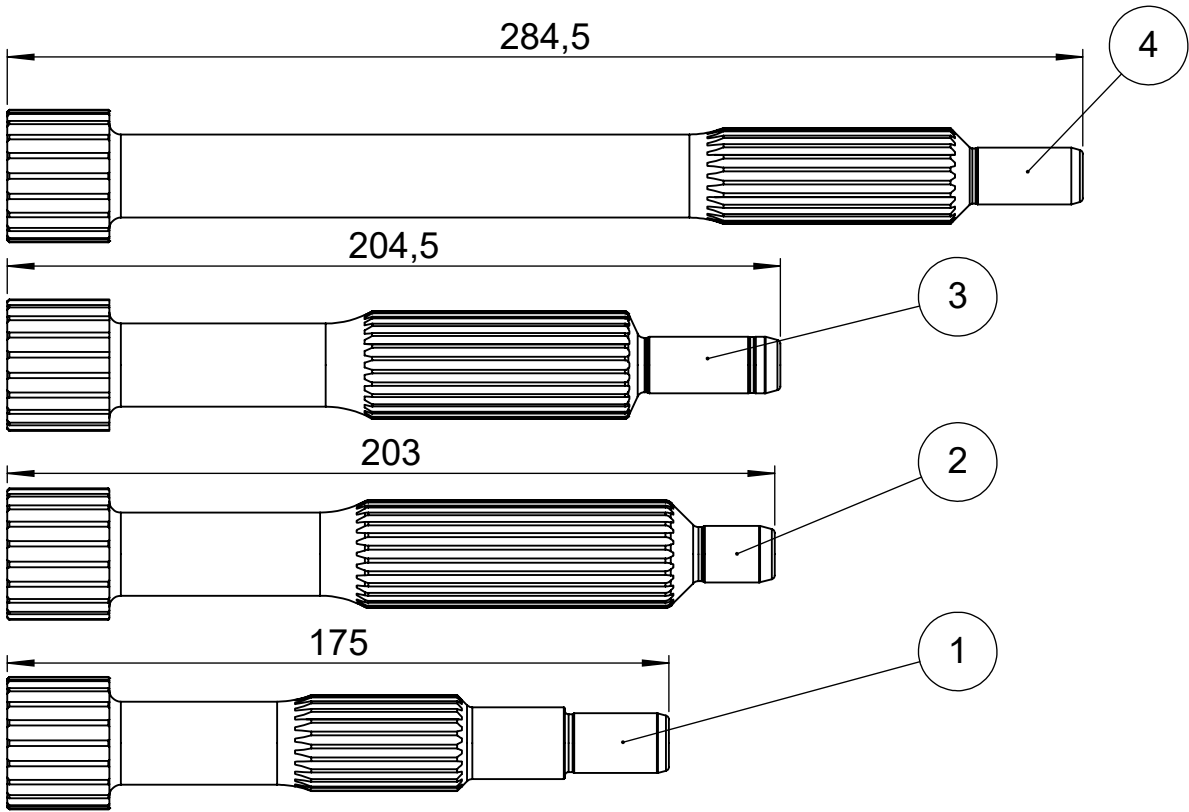
3rd to 6th Gear options		
Gears		Ratio
Item	Lay shaft gear	
9,10,11,12	G1728N90	1.65
9,10,11,12	G1826N90	1.44
9,10,11,12	G1925N90	1.32
9,10,11,12	G2126N90	1.24
9,10,11,12	G2123N90	1.09
9,10,11,12	G2426N90	1.08
9,10,11,12	G2222N90	1.0
9,10,11,12	G2625N90	0.96



Item	Qty.	Part No.	Description	Note
1	2	16031800	Spacer washer	
2	1	20150207	Cylindric Roller Bearing NJ 207 ECP	
3	1	21213200	Circlip JV 32	
4	1	25090500	Plug, for 26120200. R236	
5	1	26120100	Hub, G-gears, R236	
6	1	26120200	Coupling sleeve, input shaft	
7	1	See 2nd gear options	2nd Gear	
8	1	See 3rd to 6th gear options	3rd Gear	
9	1	See 3rd to 6th gear options	4th Gear	
10	1	See 3rd to 6th gear options	5th Gear	
11	1	See 3rd to 6th gear options	6th Gear	
12	1	See clutch shaft options page	Clutch shaft	
13	1	See input shaft options	Input shaft, R236	

Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:3	mm / g	6686					
Approved and released by	S.A	2022-07-13	Beskrivning								
Checked by	System Administrator	2022-07-13	Description R236 Layshaft assembly								
Drawn by	J.Thide					Sheet	Drawing number		Category	Revision	
Designed by	JThide					1/2	A3400046			A	
			Gjutargatan 54 S-781 70 Borlänge - Sweden								

Material			Proj 	Scale 1:2	Units mm / g	Mass, gram 6686	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by	S.A	2022-07-13	Beskrivning								
Checked by	System Administrator	2022-07-13	Description R236 Layshaft assembly								
Drawn by	J.Thide		<i>TRACTIVE</i>		Sheet 2/2	Drawing number A3400046			Category	Revision A	
Designed by	JThide		Gjutargatan 54 S-781 70 Borlänge - Sweden								



Item	Qty.	Part No.	Description	Note
1	1	34145300	Clutch shaft, Ford 1" 23 Splines	Nissan G36, R236
2	1	34145400	Clutch shaft, GM 1 1/8" 26 Splines	Toyota Supra, R236
3	1	34146700	Clutch shaft, GM 1 1/8" 26 Splines	BMW
4	1	34147000	Clutch shaft, Ford 1" 23 Splines	AJ BMW, R236

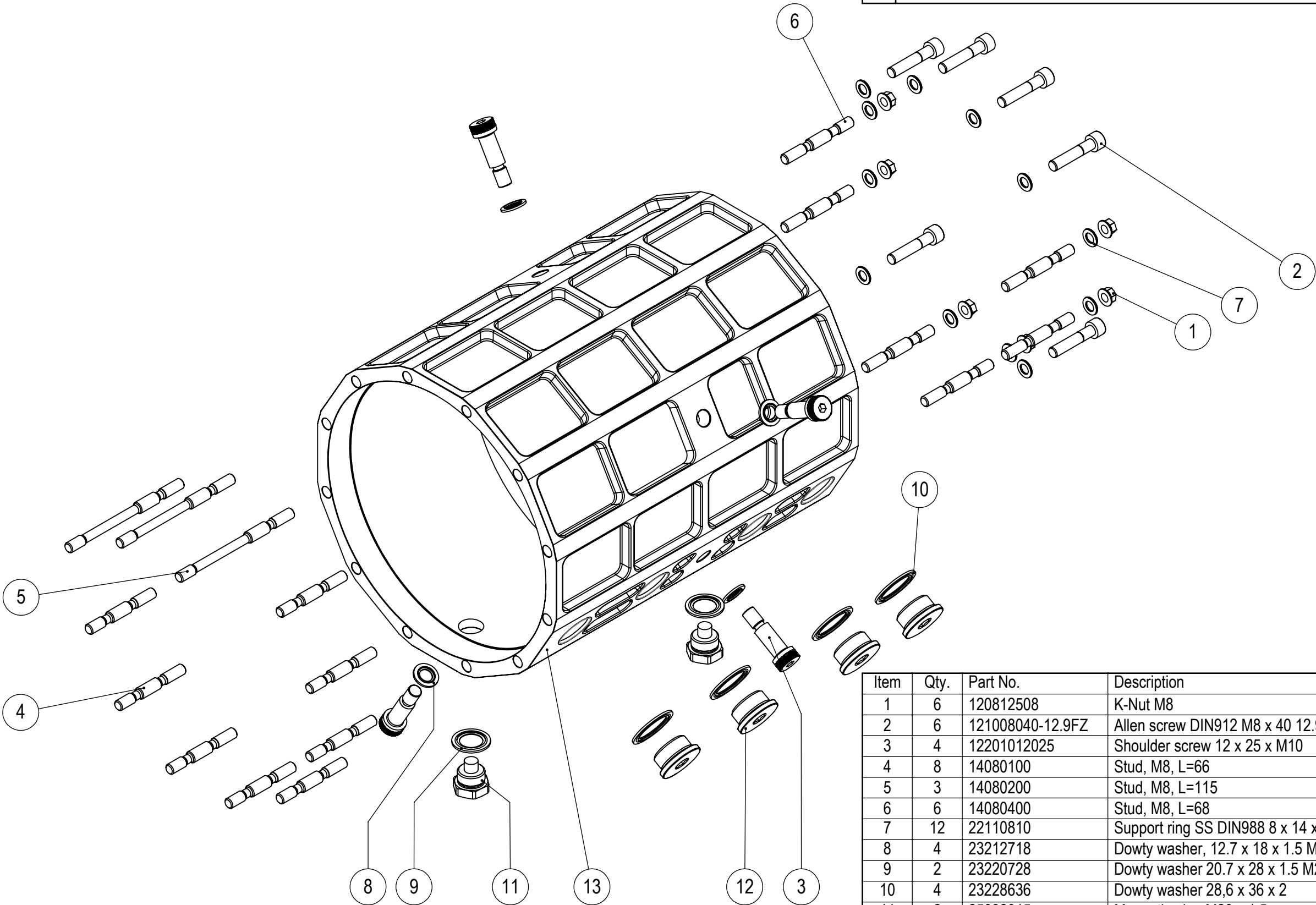
Material		Description Clutch shafts R236			
Geometric Tolerance		Sheet 1/1	Mass in Gram	Dim.in mm	Note
TRACTIVE		Date	Proj 	Part Number A3400060	Revision A
		Drawn by J.Thid	Designed by J.Thide		

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

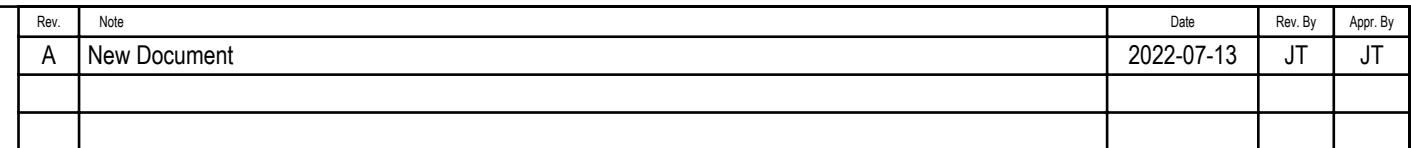
2022-12-01 Model: A5700017 Rev: A

Approved



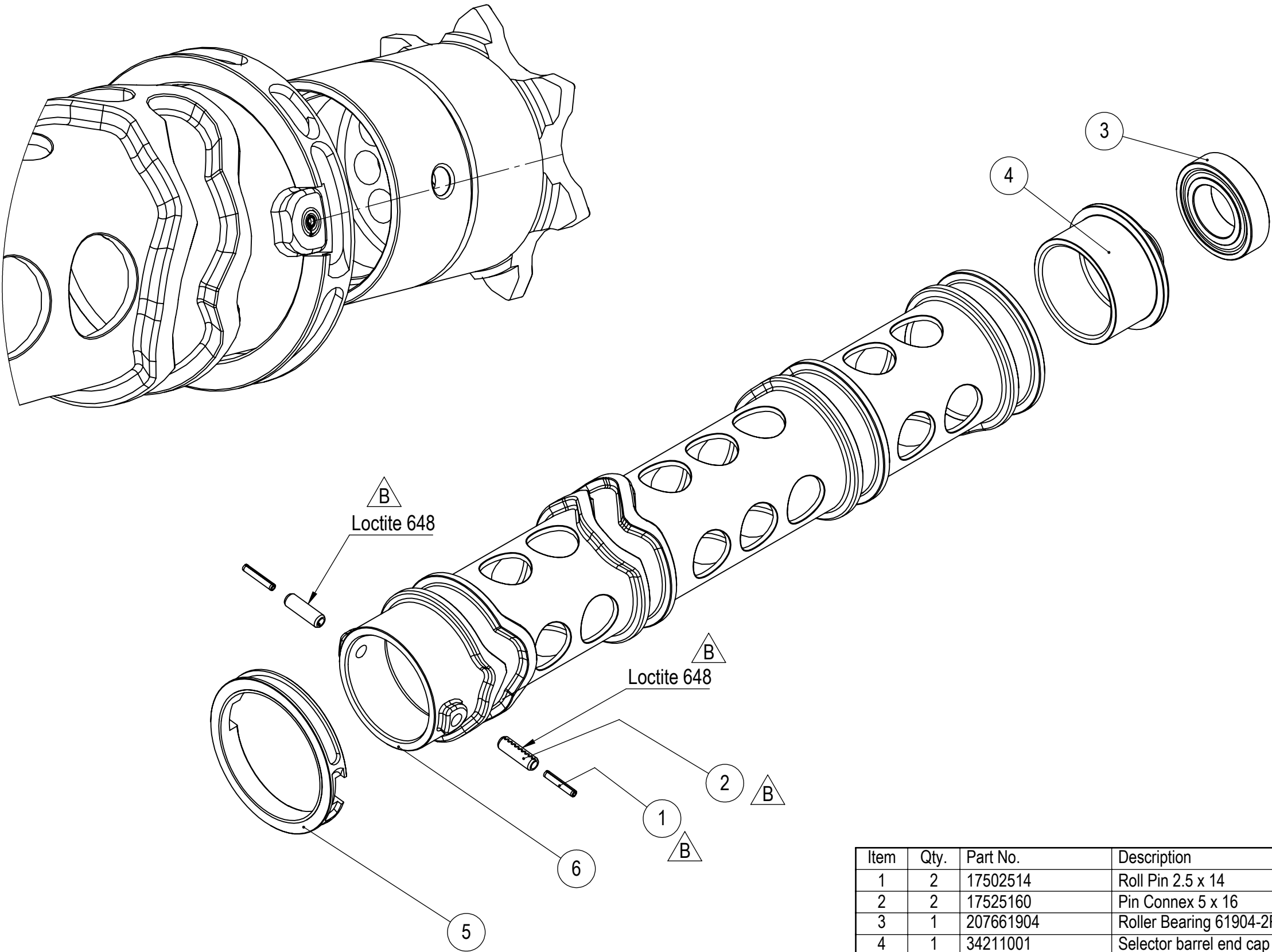
Item	Qty.	Part No.	Description	Note
1	6	120812508	K-Nut M8	
2	6	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
3	4	12201012025	Shoulder screw 12 x 25 x M10	
4	8	14080100	Stud, M8, L=66	
5	3	14080200	Stud, M8, L=115	
6	6	14080400	Stud, M8, L=68	
7	12	22110810	Support ring SS DIN988 8 x 14 x 1,2	
8	4	23212718	Dowty washer, 12.7 x 18 x 1.5 M12	
9	2	23220728	Dowty washer 20.7 x 28 x 1.5 M20	
10	4	23228636	Dowty washer 28,6 x 36 x 2	
11	2	25032015	Magnetic plug M20 x 1.5	
12	4	25090400	Inspection plug R236	
13	1	57091700	Cluster casing, R236 B=23	

Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:3	mm / g	5475					
Approved and released by	S.A	2022-07-13	Beskrivning								
Checked by	System Administrator	2022-07-13	Description								
			R236 Housing assembly								
Drawn by	J.Thide	2022-07-13				Sheet	Drawing number		Category	Revision	
Designed by	JThide					1/1	A5700017			A	
			Gjutargatan 54 S-781 70 Borlänge - Sweden								



Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:2	mm / g	2525					
Approved and released by	J.Thide	2022-07-13	Beskrivning								
Checked by	J.Thide	2022-07-13	Description R236 Frontplate assembly								
Drawn by	J.Thide	2022-07-13				Sheet	Drawing number		Category	Revision	
Designed by	JThide					1/1	A5800034			A	
			Gjutargatan 54 S-781 70 Borlänge - Sweden								

Check alignment of index housing, detent ring and selector barrel

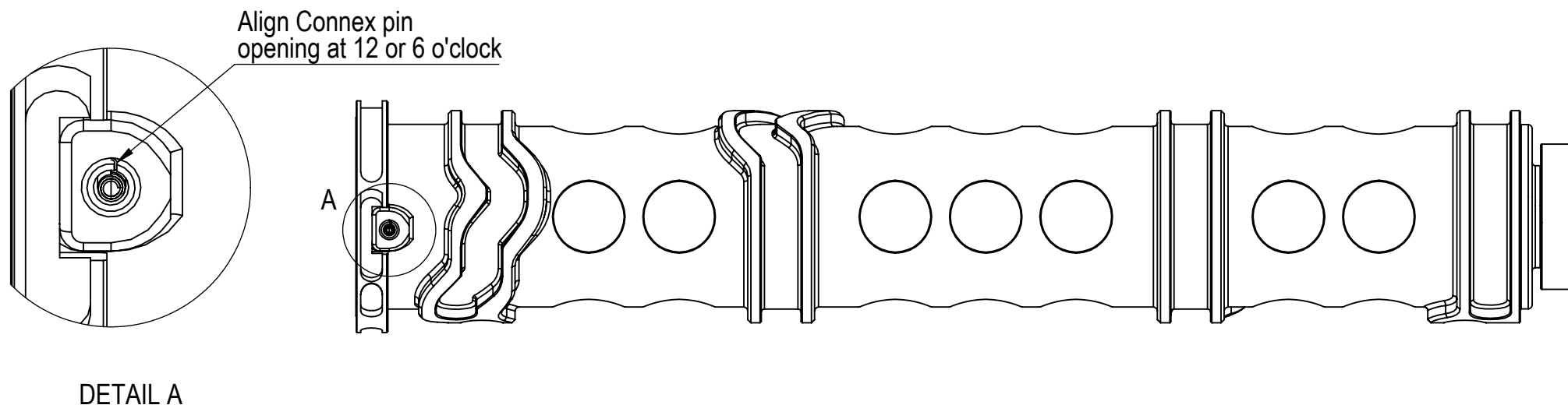


Rev.	Note	Date	Rev. By	Appr. By
B	Changed roll pin 17505120 to Connex pin 17525160 + roll pin 17502514 and Loctite	2025-06-05	JT	JG
A	New Document	2022-07-13	JT	JT

Item	Qty.	Part No.	Description	Note					
1	2	17502514	Roll Pin 2.5 x 14						
2	2	17525160	Pin Connex 5 x 16						
3	1	207661904	Roller Bearing 61904-2RZ						
4	1	34211001	Selector barrel end cap RD assembly						
5	1	59160200	Detent ring, 6-speed						
6	1	59191600	Selector barrel, R236						
Material			Proj 	Scale 1:1.5	Units mm / g	Mass, gram 880	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by		J.Thide	2022-07-13	Beskrivning					
Checked by		J.Thide	2022-07-13	Description R236 Selector barrel assembly					
Drawn by		J.Thide	2022-07-13	TRACTIVE		Sheet 1/2	Drawing number A5900011	Category	Revision B
Designed by		A.Johnsen		Gjutargatan 54 S-781 70 Borlänge - Sweden					

Approved

Rev.	Note	Date	Rev. By	Appr. By
B	Changed roll pin 17505120 to Connex pin 17525160 + roll pin 17502514 and Loctite	2025-06-05	JT	JG
A	New Document	2022-07-13	JT	JT

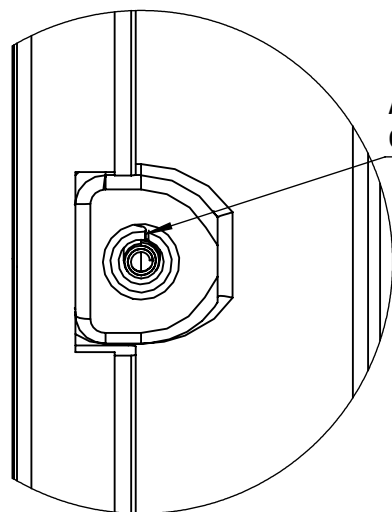


Material			Proj 	Scale 1:1.5	Units mm / g	Mass, gram 880	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by	J.Thide	2022-07-13	Beskrivning								
Checked by	J.Thide	2022-07-13	Description R236 Selector barrel assembly								
Drawn by	J.Thide	2022-07-13				Sheet 2/2	Drawing number A5900011		Category	Revision B	
Designed by	AJohnsen		Gjutargatan 54 S-781 70 Borlänge - Sweden								

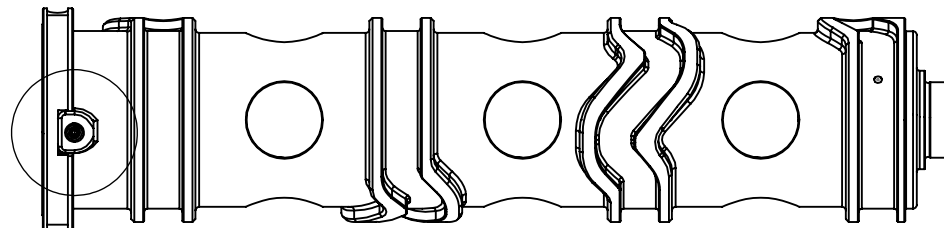
Item	Qty.	Part No.	Description	Note
1	2	17502514	Roll Pin 2.5 x 14	
2	2	17525160	Pin Connex 5 x 16	
3	2	23120010	O-ring 10 x 2 NBR 70	
4	1	34211000	End cap RD with ext. magnet	
5	1	39120300	Magnet holder solid state sensor	
6	1	59160200	Detent ring, 6-speed	
7	1	59190500	Selector barrel, 6-speed, 17mm	
8	1	64421500	Magnet	
Material			Proj  Scale 1:1.5 Units mm / g Mass, gram 748 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	JG	2018-01-09	Beskrivning	
Checked by			Description RD906 Selectorbarrel assembly	
Drawn by	JT	2018-01-05	 Sheet 1/2	Drawing number A59000008 Category Revision B
Designed by	JT		Gjutargatan 54 S-781 70 Borlänge - Sweden	

Approved

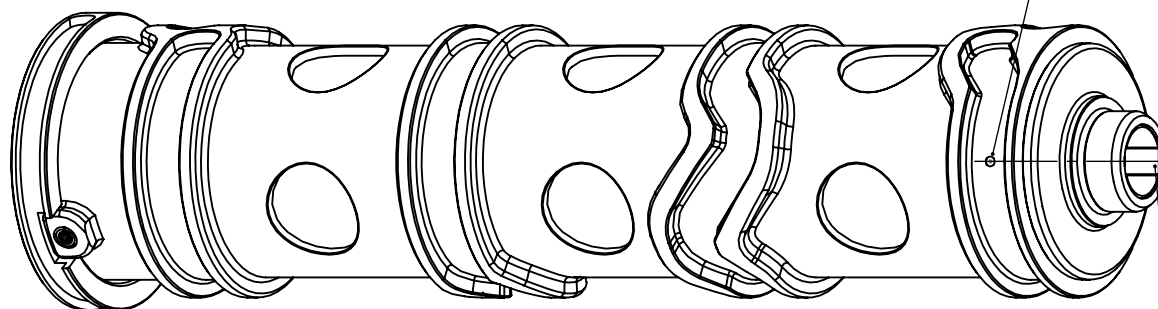
Rev.	Note	Date	Rev. By	Appr. By
B	Changed roll pin 17505120 to Connex pin 17525160 + roll pin 17502514 and Loctite	2025-05-26	JT	JG
A	New Document	2018-01-09	JG	JG



A



DETAIL A
SCALE 2 : 1



North pole on magnet to the right

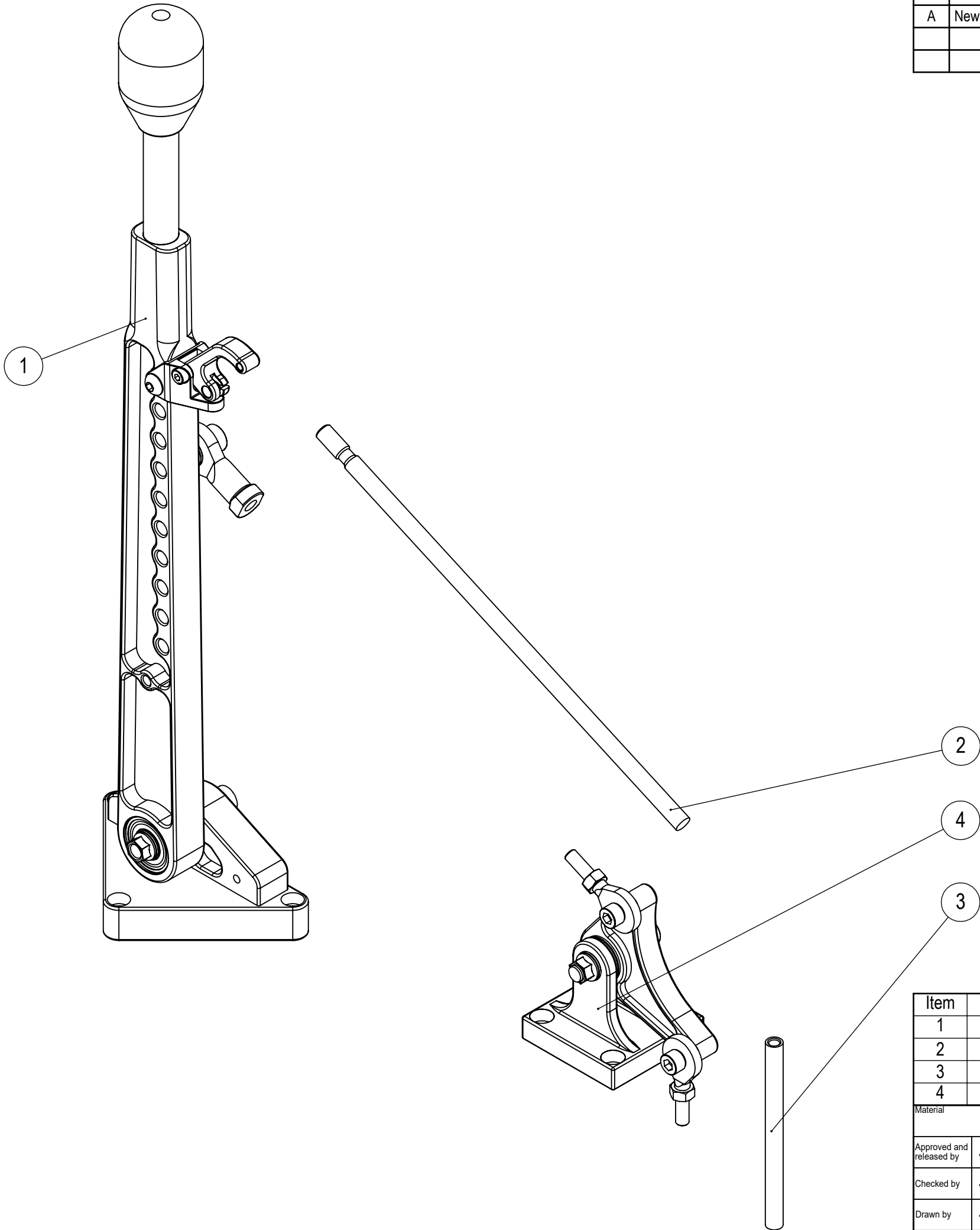
Material			Proj 	Scale 1:1.5	Units mm / g	Mass, gram 748	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by	JG	2018-01-09	Beskrivning								
Checked by			Description RD906 Selectorbarrel assembly								
Drawn by	JT	2018-01-05				Sheet 2/2	Drawing number A59000008		Category	Revision B	
Designed by	JT		Gjutargatan 54 S-781 70 Borlänge - Sweden								

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

2022-07-14 Model: A5900029 Rev: A

Approved

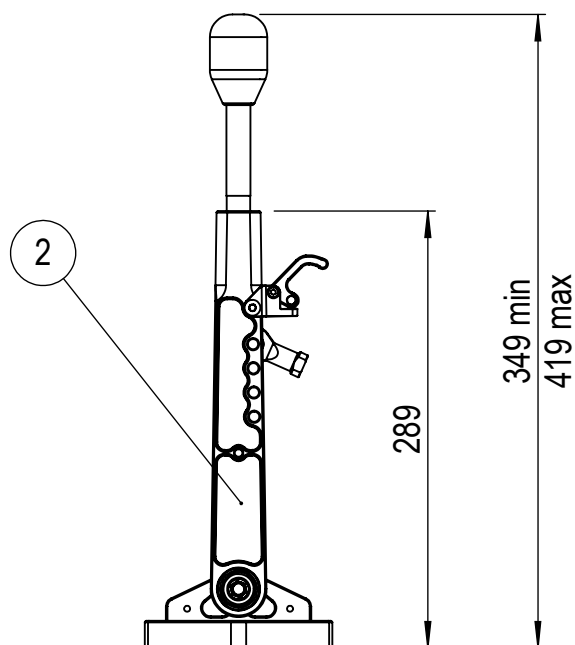
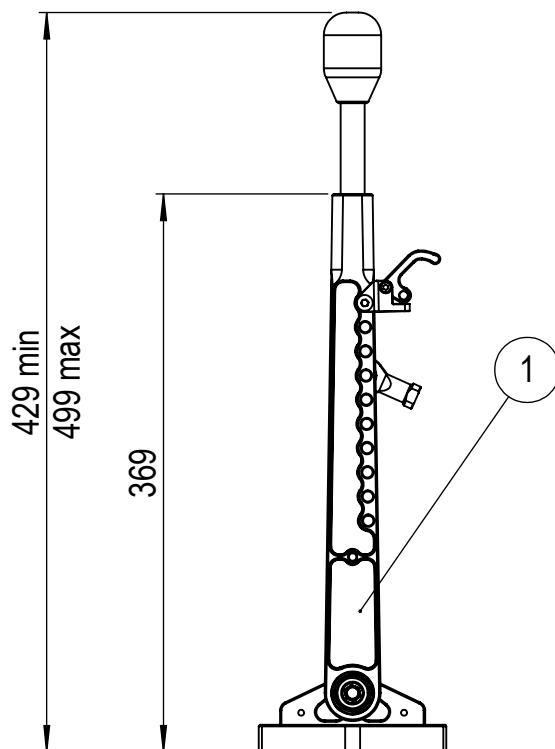


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-14	JT	JT

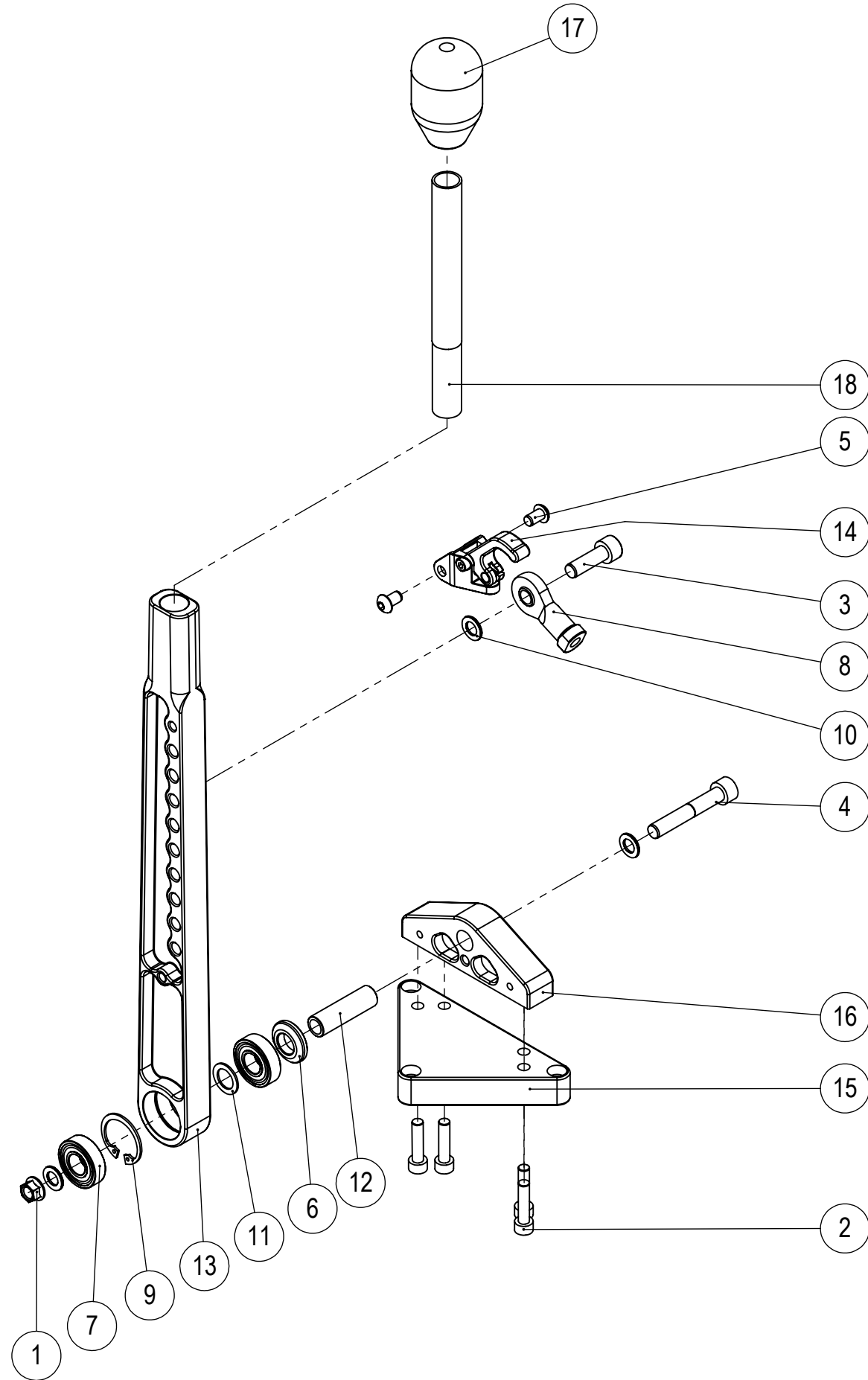
Item	Qty.	Part No.	Description	Note
1	1	59400501	Gear lever R236 standard complete	
2	1	59180300	Link Rod, RD90, M8 universal	
3	1	59180400	Link rod RD90 M6 universal	
4	1	59170501	Bracket with linkage quadrant	
Material			Proj  Scale 1:2 Units mm / g Mass, gram Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-14	Beskrivning	
Checked by	J.Thide	2022-07-14	Description	Gear level assembly
Drawn by	J.Thide	2018-01-02	TRACTIVE	
Designed by	J.Thide	2022-07-14	Gjutargatan 54 S-781 70 Borlänge - Sweden	
			Sheet 1/1 Drawing number	Category Revision
			A5900029	A

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-14	JT	JT



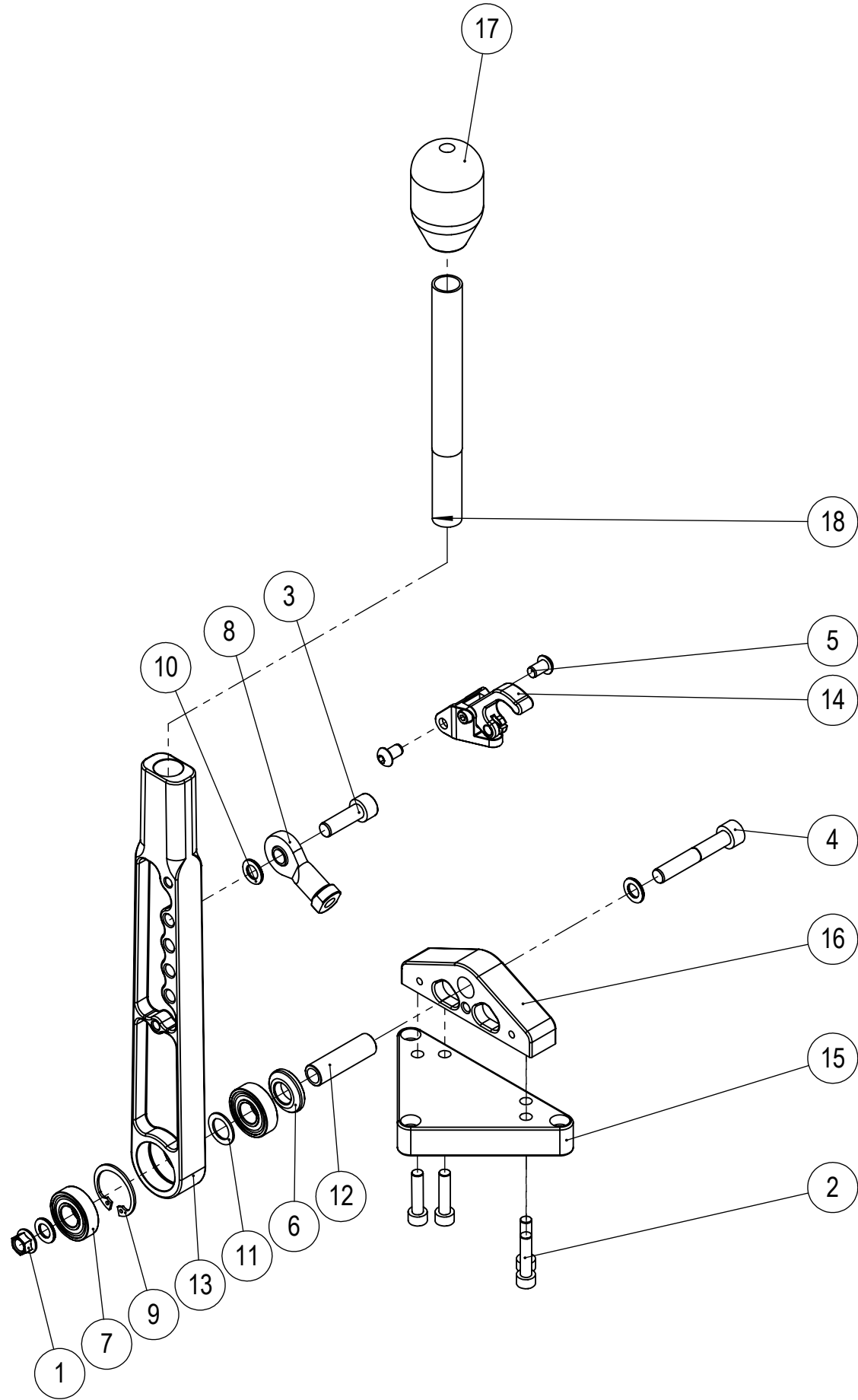
Item	Qty.	Part No.	Description	Note
1	1	59400501	Gear lever unsprung standard complete	
2	1	59400601	Gear lever unsprung short complete	
Material			Proj Scale 1:5 Units mm / g Mass, gram Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	J.Thide	2022-07-14	Beskrivning	
Checked by	J.Thide	2022-07-14	Description RD176/R236 gear lever options	
Drawn by	J.Thide	2019-05-20	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden	Sheet 1/1 Part and drawing number A5900030 Category T Revision A
Designed by	J.Thide	2022-07-14		



Rev.	Note	Date	Rev. By	Appr. By
A	Approved from Prototype	2022-07-14	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	120812508	K-Nut M8	
2	4	121006025-12.9FZ	Allen screw DIN912 M6 x 25 12.9Z	
3	1	121008025-12.9FZ	Allen screw DIN912 M8 x 25 12.9Z	
4	1	121008050-12.9FZ	Allen screw DIN912 M8 x 50 12.9Z	
5	2	121306010-10.9	Allen Screw, DIN7380, M6 x 10 10.9	
6	1	16241900	Washer, gear lever	
7	2	20756001	Radial Support Bearing, 6001-2RS1	
8	1	20911008	Uniball SI 8 E, M8	
9	1	21402800	Circlip, Sgh 28 DIN 472	
10	3	22110810	Support ring SS DIN988 8 x 14 x 1,2	
11	1	22111210	Support ring 12 x 18 x 1	
12	1	34220200	Axel gear shift lever RD/SD	
13	1	59380700	Gear lever RD / SD	
14	1	59381101	Unlock lever Complete	
15	1	59390300	Gear lever, bottom plate	
16	1	59391000	Gear lever vertical plate unsprung	
17	1	59410100	Knob, gear lever	
18	1	59590100	Tube, link rod SD L=150	

Material		Proj  Scale 1:3 Units mm / g		Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	J.Thide	2022-07-14	Beskrivning Spakställ ofjädrad Standard kpl.				
Checked by	J.Thide	2022-07-14	Description Gear lever unsprung standard complete				
Drawn by	J.Thide	2022-03-15	 Gjutargatan 54 S-781 70 Borlänge - Sweden	Sheet	Drawing number	Category	Revision
Designed by	J.Thide	2022-03-15		1/1	59400501	T	A



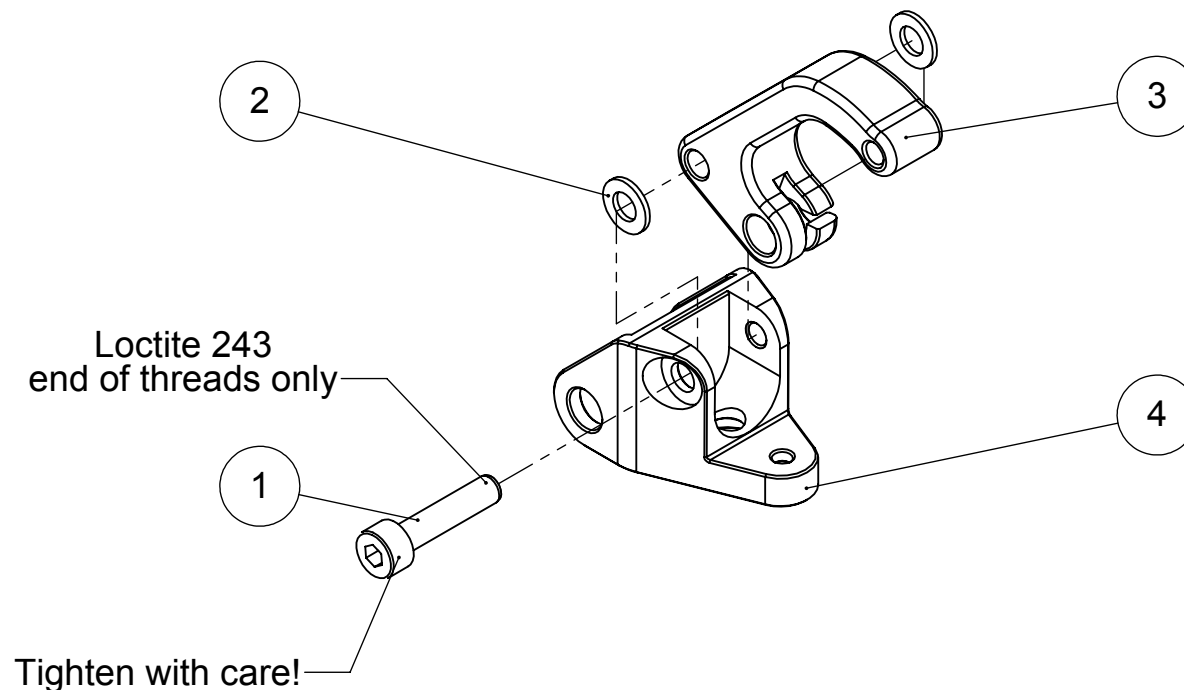
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-14	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	120812508	K-Nut M8	
2	4	121006025-12.9FZ	Allen screw DIN912 M6 x 25 12.9Z	
3	1	121008025-12.9FZ	Allen screw DIN912 M8 x 25 12.9Z	
4	1	121008050-12.9FZ	Allen screw DIN912 M8 x 50 12.9Z	
5	2	121306010-10.9	Allen Screw, DIN7380, M6 x 10 10.9	
6	1	16241900	Washer, gear lever	
7	2	20756001	Radial Support Bearing, 6001-2RS1	
8	1	20911008	Uniball SI 8 E, M8	
9	1	21402800	Circlip, Sgh 28 DIN 472	
10	3	22110810	Support ring SS DIN988 8 x 14 x 1,2	
11	1	22111210	Support ring 12 x 18 x 1	
12	1	34220200	Axel gear shift lever RD/SD	
13	1	59380800	Gear lever short RD / SD	
14	1	59381101	Unlock lever Complete	
15	1	59390300	Gear lever, bottom plate	
16	1	59391000	Gear lever vertical plate unsprung	
17	1	59410100	Knob, gear lever	
18	1	59590100	Tube, link rod SD L=150	

Material		Proj		Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
				1:3	mm / g				
Approved and released by	J.Thide	2022-07-14	Beskrivning Spakställ ofjädrad Kort kpl.						
Checked by	J.Thide	2022-07-14	Description Gear lever unsprung short complete						
Drawn by	J.Thide	2022-03-15			Sheet	Drawing number		Category	Revision
Designed by	J.Thide	2022-07-14			1/1	59400601		T	A
			Gjutargatan 54 S-781 70 Borlänge - Sweden						

Approved

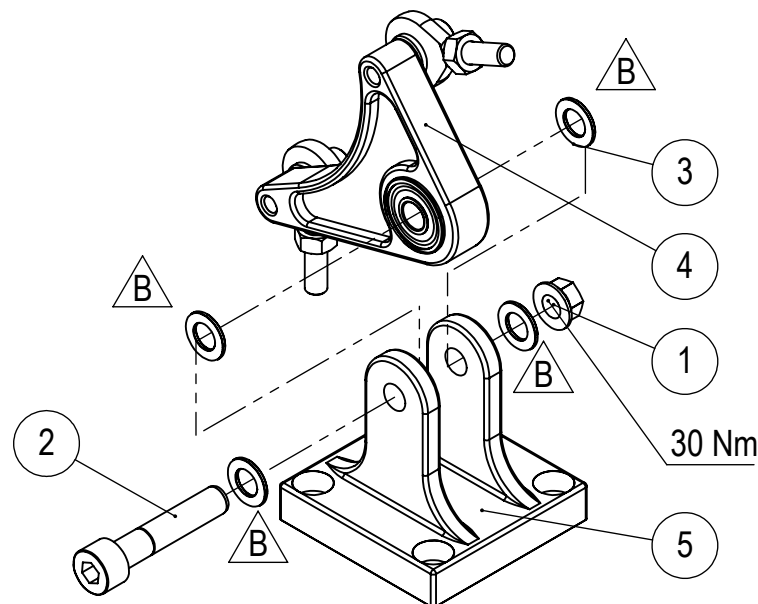
Rev.	Note	Date	Rev. By	Appr. By
A	Updated after migration	2018-01-09	JT	JG



Item	Qty.	Part No.	Description	Note
1	1	121004018-12.9FZ	Allen screw DIN912 M4 x 18 12.9Z	
2	2	16400400	Plain washer 4.3 x 9 x 0.9	
3	1	59381100	Unlock lever	
4	1	59390600	Bracket unlock Lever	
Material			Unlock lever Complete	
Geometric Tolerance		Sheet 1/1	Mass in Gram 24	Dim.in mm
			Date	Proj
			Drawn by	Designed by JT
			Scale 1:1	Part Number
			59381101	
			Revision A	

Approved

Rev.	Note	Date	Rev. By	Appr. By
B	Changed support ring to 22100810	2025-05-28	JT	JG
A	New Document	2018-01-09	JG	JG



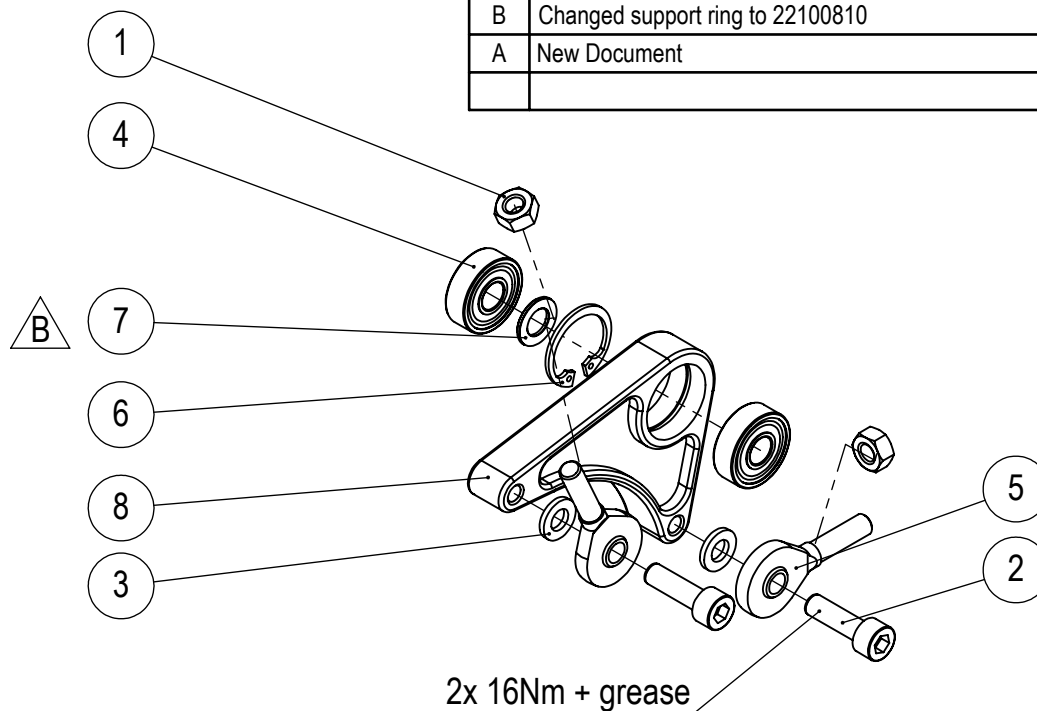
Item	Qty.	Part No.	Description	Note
1	1	120812508	K-Nut M8	
2	1	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
3	4	22100810	Support ring PS 8 x 14 x 1,0	
4	1	59170401	Bell crank assembly	
5	1	59170500	Bracket for quadrant	
Material			Proj  Scale 1:2 Units mm / g Mass, gram 288 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by	JG	2018-01-09	Beskrivning	
Checked by			Description	
Drawn by	JT	2017-12-29	Bracket with linkage quadrant	
Designed by	JT		TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden	Sheet 1/1 Drawing number 59170501 Category Revision B

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

2025-05-28 Model: 59170401 Rev: B

Approved



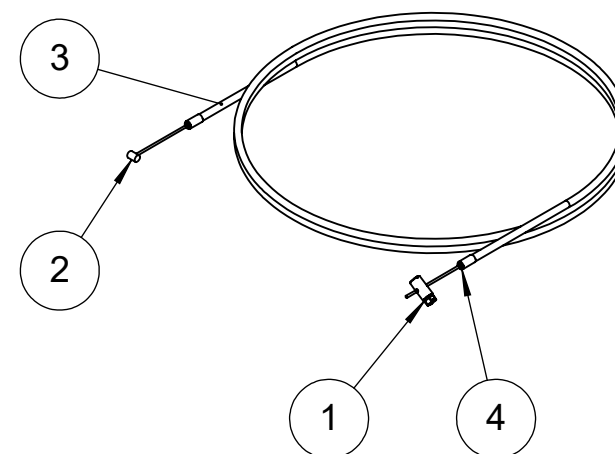
Rev.	Note	Date	Rev. By	Appr. By
B	Changed support ring to 22100810	2025-05-28	JT	JG
A	New Document	2018-01-09	JG	JG

Item	Qty.	Part No.	Description	Note
1	2	12070206	Nut M6, DIN934 FZB	
2	2	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
3	2	16400600	Plain washer 6.4 x 12 /M6	
4	2	20750608	Ball bearing 608-2RS1	
5	2	20901006	Uniball M6	
6	1	21402200	Circlip, DIN 471 22 x 1.2	
7	1	22100810	Support ring PS 8 x 14 x 1,0	
8	1	59170400	Bell crank RD	

Material			Proj 	Scale 1:2	Units mm / g	Mass, gram 124	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	JG	2018-01-09	Beskrivning						
Checked by			Description Bell crank assembly						
Drawn by	JT	2017-12-29			Sheet 1/1	Drawing number 59170401		Category	Revision B
Designed by	JT		Gjutargatan 54 S-781 70 Borlänge - Sweden						

Approved

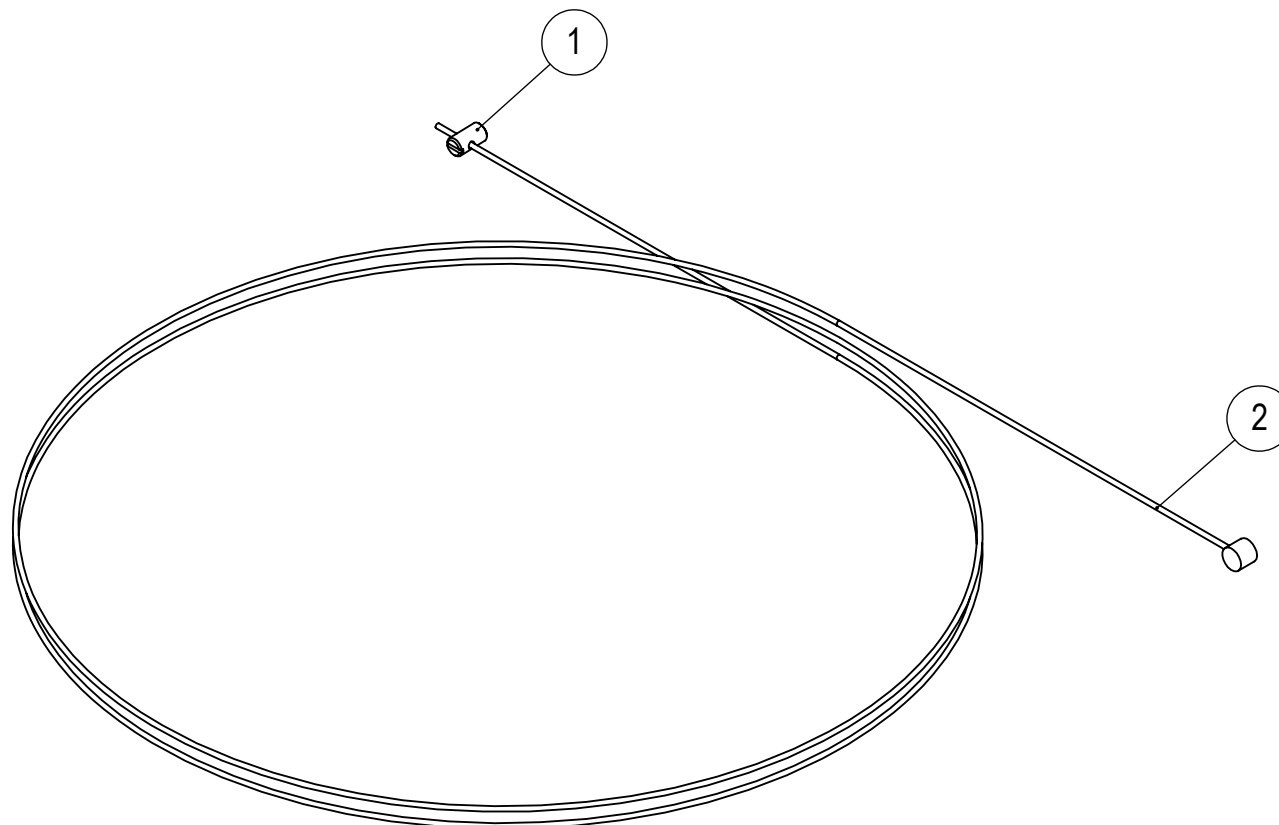
Rev.	Note	Date	Rev. By	Appr. By
B	New Document	2020-09-15	JT	JT



Item	Qty.	Part No.	Description	Note
1	1	43700100	Nipple	
2	1	53030200	Inner cable	
3	1	53030300	Outer cable 2 meter	
4	2	53030400	Cable end	
Material			Description Unlock cable assembly	
Geometric Tolerance		Sheet 1/1	Mass in Gram 41	Dim.in mm
			Date	Proj 
			Drawn by	Designed by JT Scale 1:5
Part Number A5300006				Revision B

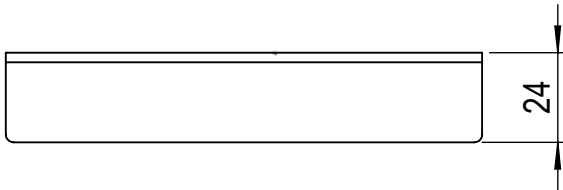
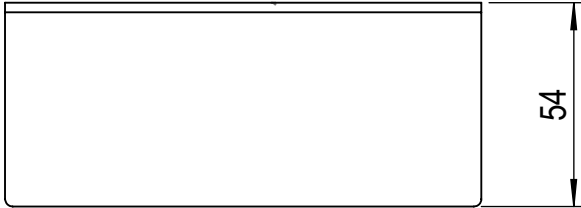
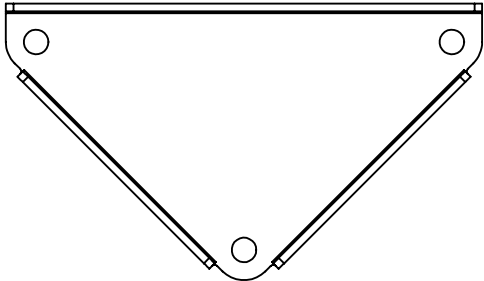
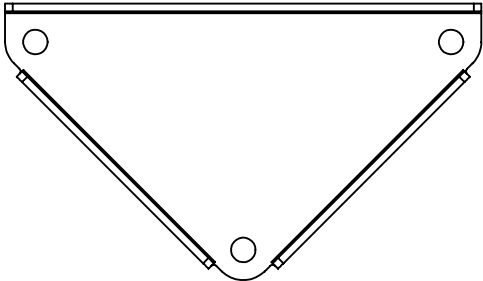
Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2020-09-15	JT	JT

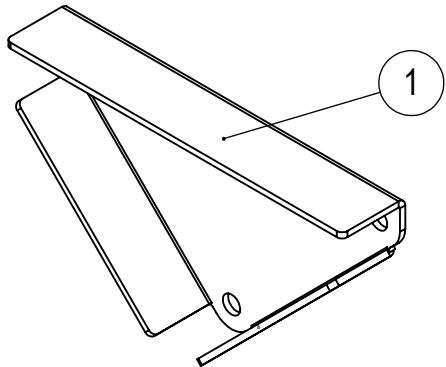
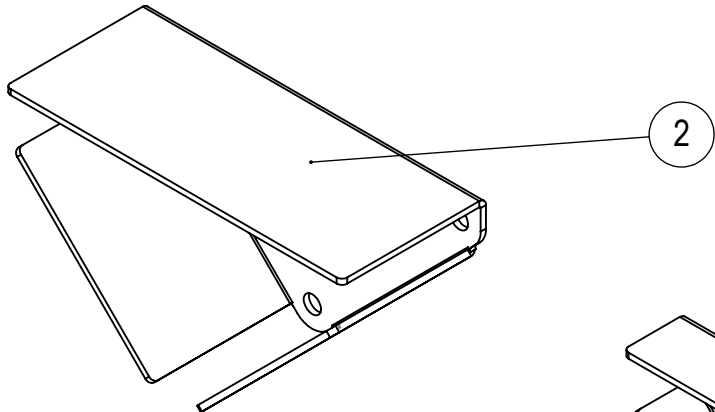


Item	Qty.	Part No.	Description	Note
1	1	43700200	Nipple	
2	1	53030600	Inner Cable	
Material			Description Unlock cable optional	
Geometric Tolerance		Sheet 1/1	Mass in Gram 0.01	Dim.in mm
TRACTIVE			Date 2018-11-30	Proj
			Drawn by JT	Designed by JT
			Scale 1:2	Part Number
A5300007				Revision A

Approved



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-12-04	JT	JT



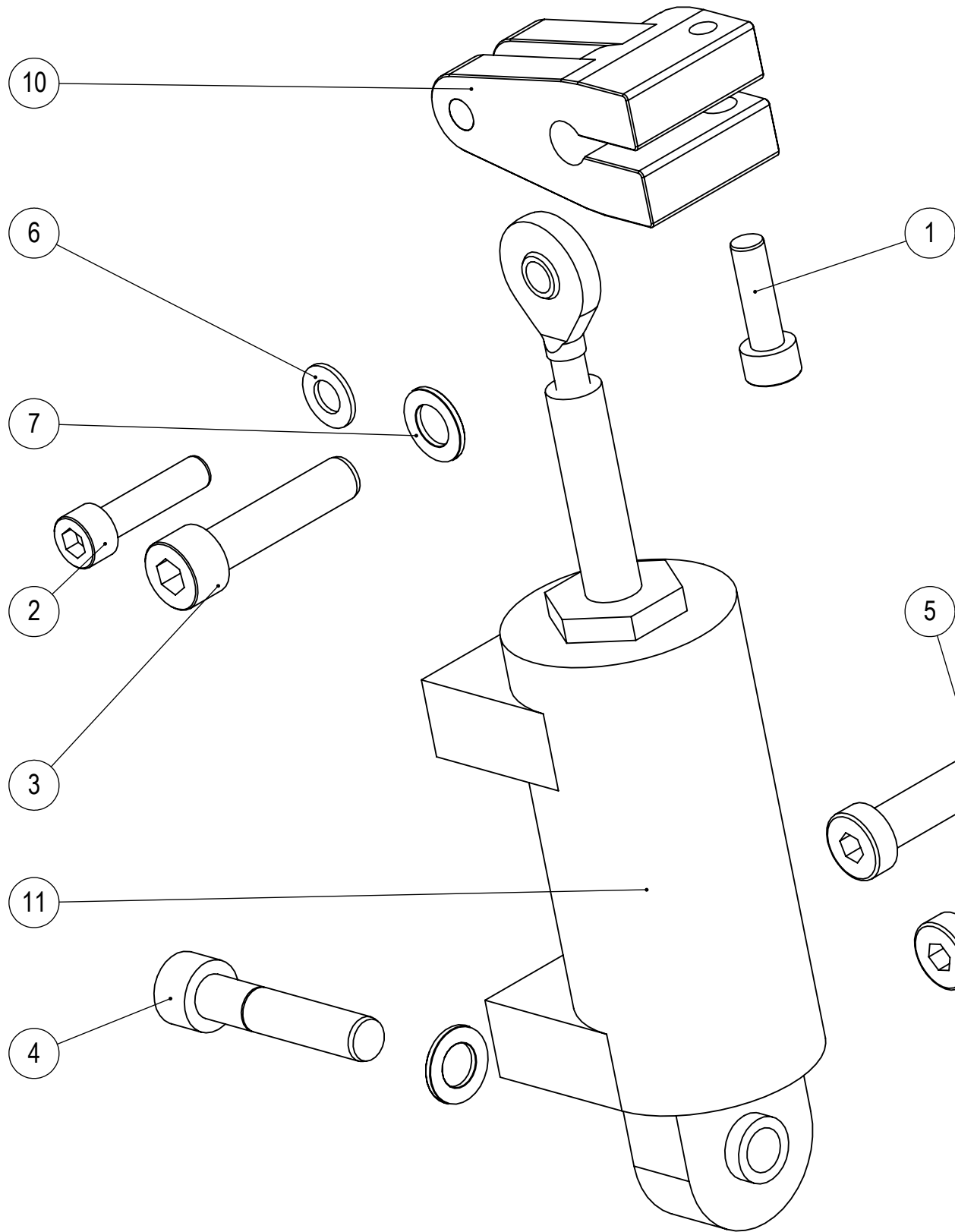
Item	Qty.	Part No.	Description	Note
1	1	59390800	Weld plate	Gear lever 24mm
2	1	59390900	Weld plate	Gear lever 54mm
Material			Description	
Geometric Tolerance			Sheet 1/1	
Mass in Gram			489	
Dim.in mm			Proj	
Date			2018-12-04	
Drawn by			JT	
Designed by			JT	
Scale			1:2	
Weld plate options				Note
Gear lever				Part Number
A5900020				Revision
A				

This drawing is the property of Tractive AB. Its submission does not include or carry the right to make, use or sell what is illustrated without the written consent of Tractive AB.

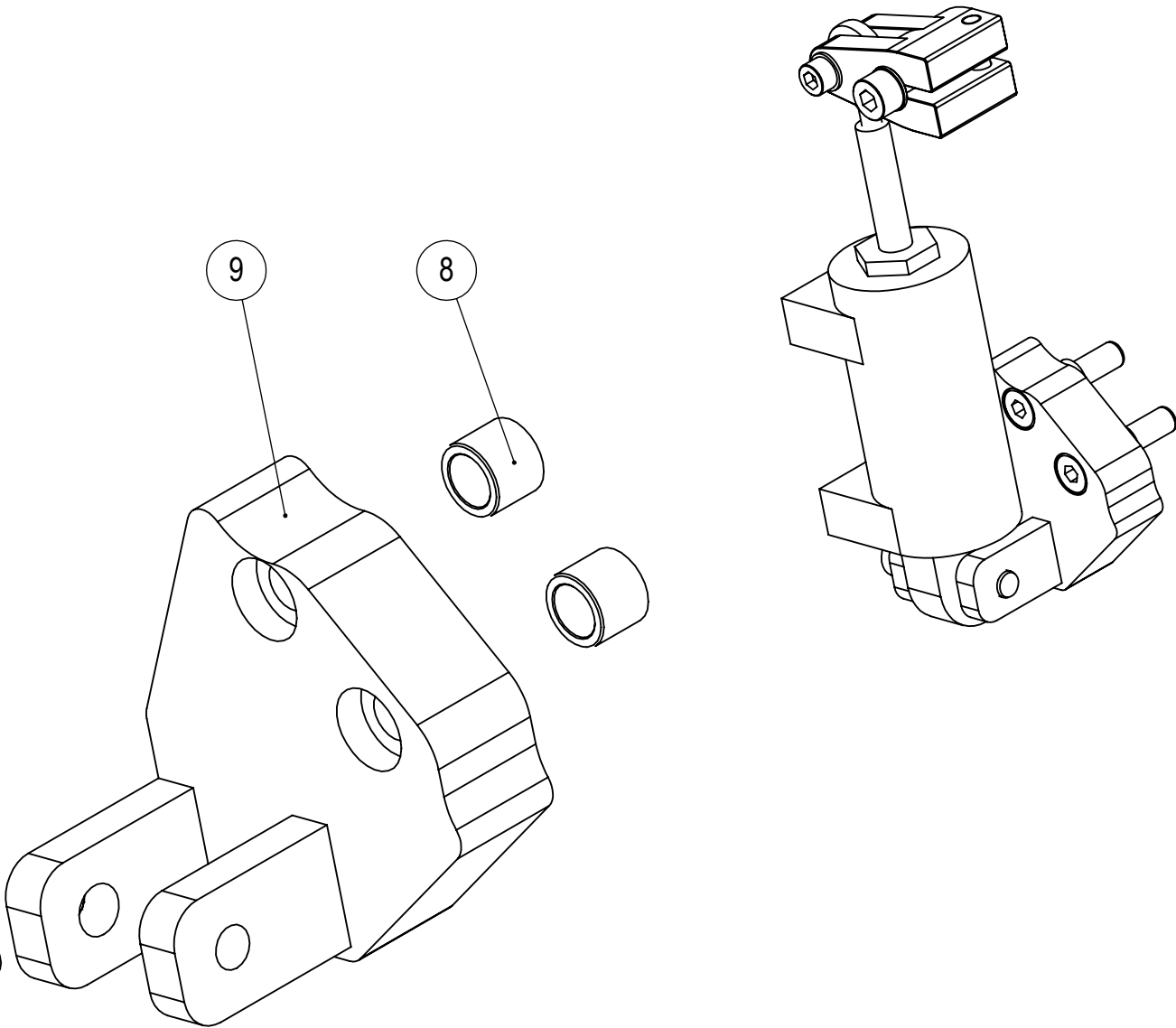
Tractive AB
Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

2025-07-01 Model: A4300019 Rev: A

Approved

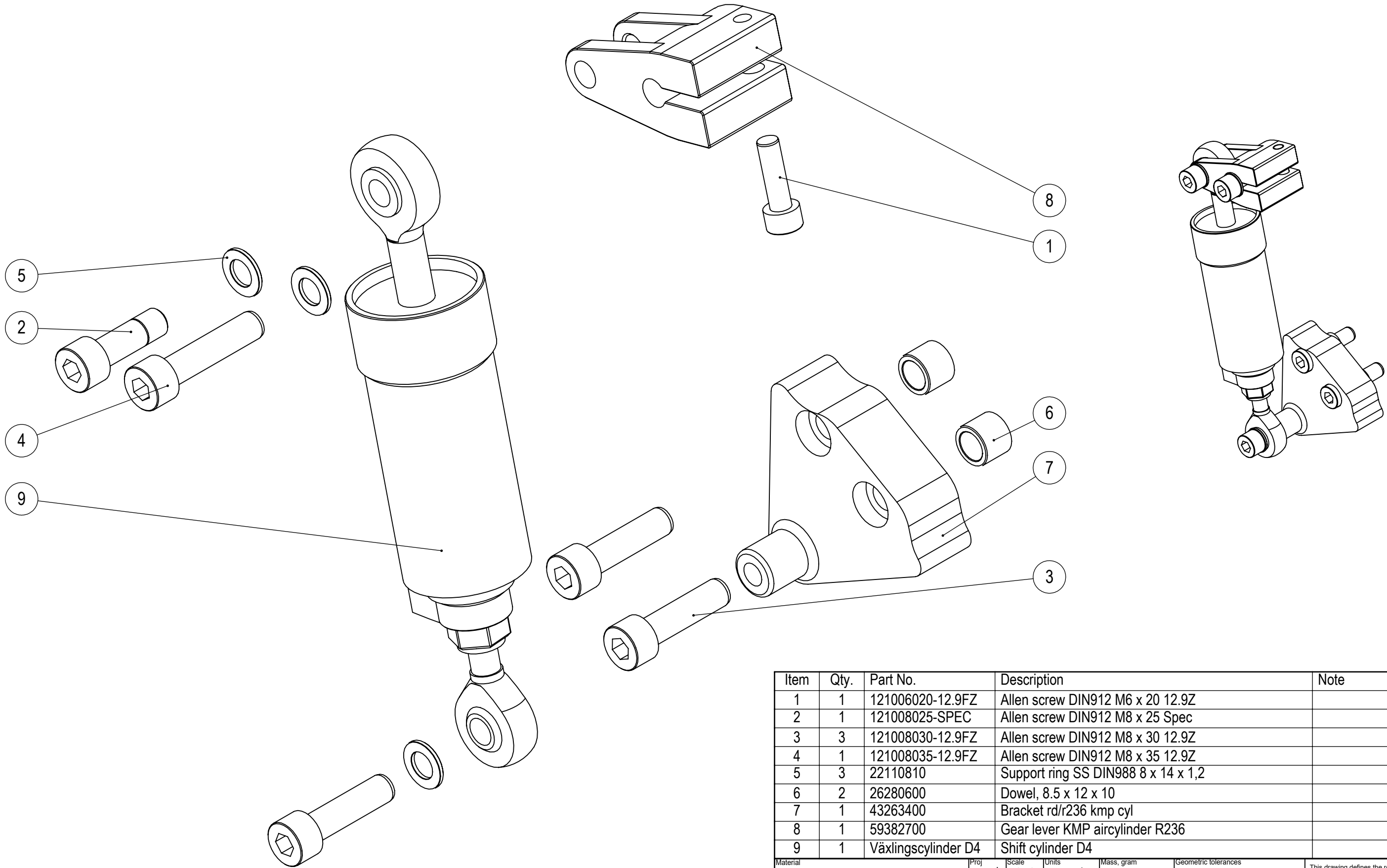


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-01	JT	JT



Item	Qty.	Part No.	Description	Note
1	1	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
2	1	121006025-12.9FZ	Allen screw DIN912 M6 x 25 12.9Z	
3	1	121008035-12.9FZ	Allen screw DIN912 M8 x 35 12.9Z	
4	1	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
5	2	121208035-A2	Allen Screw DIN7984 M8 x 35 A2	
6	1	16400600	Plain washer 6.4 x 12 / M6	
7	2	22110810	Support ring SS DIN988 8 x 14 x 1,2	
8	2	26280600	Dowel, 8.5 x 12 x 10	
9	1	43263600	Bracket RD/R236 Geartronic cyl.	
10	1	59382800	Gear lever Geartronic airylinder ACT3250-2G RD176/R236	
11	1	ACT3250-2G	Geartronic 32x50 actuator	

Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
				1:1	mm / g					
Approved and released by	J.Thide	2025-07-01	Beskrivning							
Checked by	J.Gustavson	2025-06-05	Description							
			Assembly Shiftcyl Geartronic RD176_R236							
Drawn by	J.Thide	2025-04-07			Sheet	Drawing number			Category	Revision
Designed by	J.Thide	2025-04-07			1/1	A4300019				A
			Gjutargatan 54 S-781 70 Borlänge - Sweden							



Item	Qty.	Part No.	Description	Note		
1	1	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z			
2	1	121008025-SPEC	Allen screw DIN912 M8 x 25 Spec			
3	3	121008030-12.9FZ	Allen screw DIN912 M8 x 30 12.9Z			
4	1	121008035-12.9FZ	Allen screw DIN912 M8 x 35 12.9Z			
5	3	22110810	Support ring SS DIN988 8 x 14 x 1,2			
6	2	26280600	Dowel, 8.5 x 12 x 10			
7	1	43263400	Bracket rd/r236 kmp cyl			
8	1	59382700	Gear lever KMP aircylinder R236			
9	1	Växlingscylinder D4	Shift cylinder D4			
Material			Proj  Scale 1:1 Units mm / g Mass, gram Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by J.Thide		2025-07-01	Beskrivning			
Checked by J.Gustavson		2025-06-05	Description			
Drawn by J.Thide		2025-04-07	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden			
Designed by J.Thide		2025-04-07				
			Sheet 1/1	Drawing number A4300020	Category	Revision A