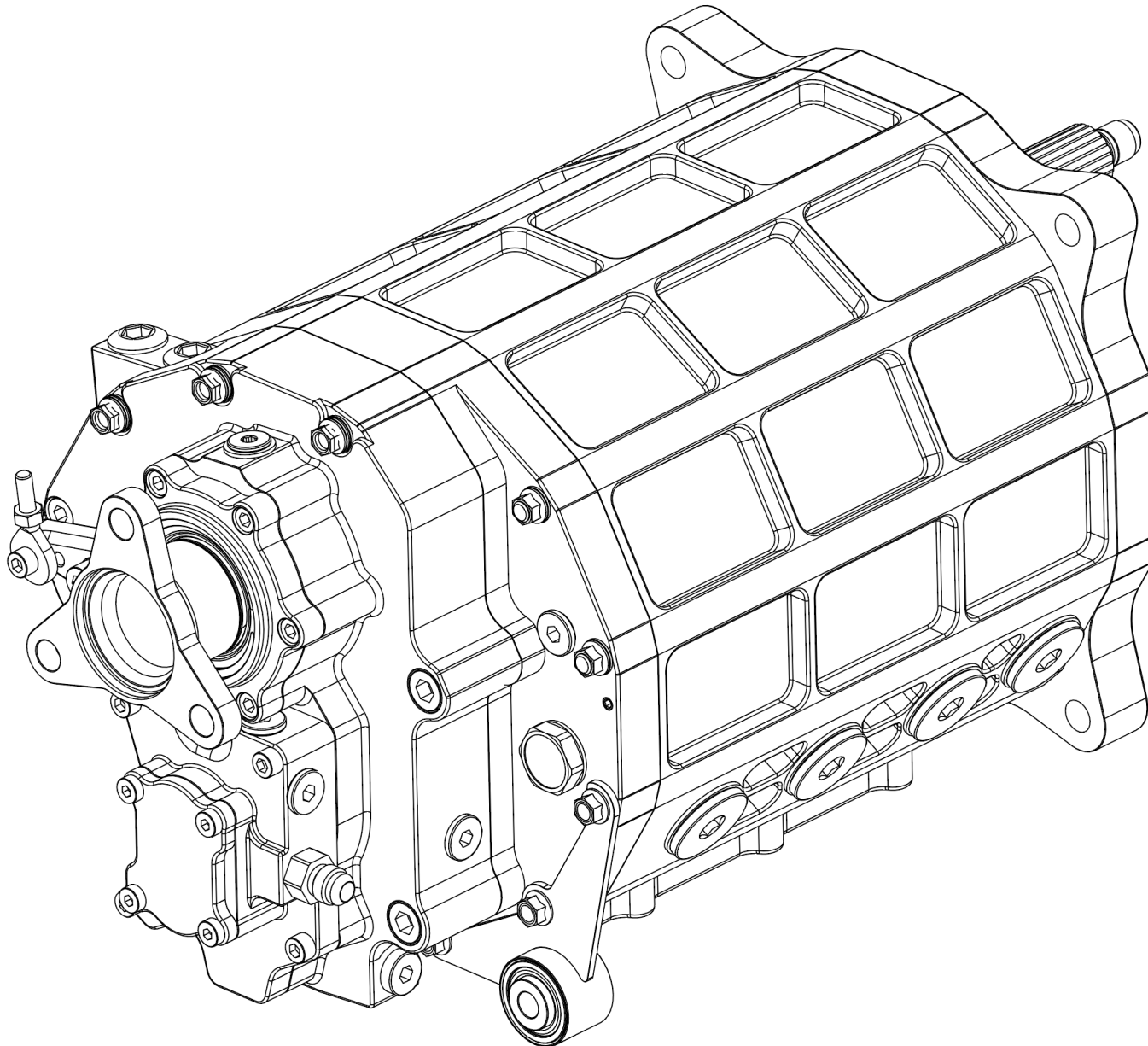


RD176 ASSEMBLY

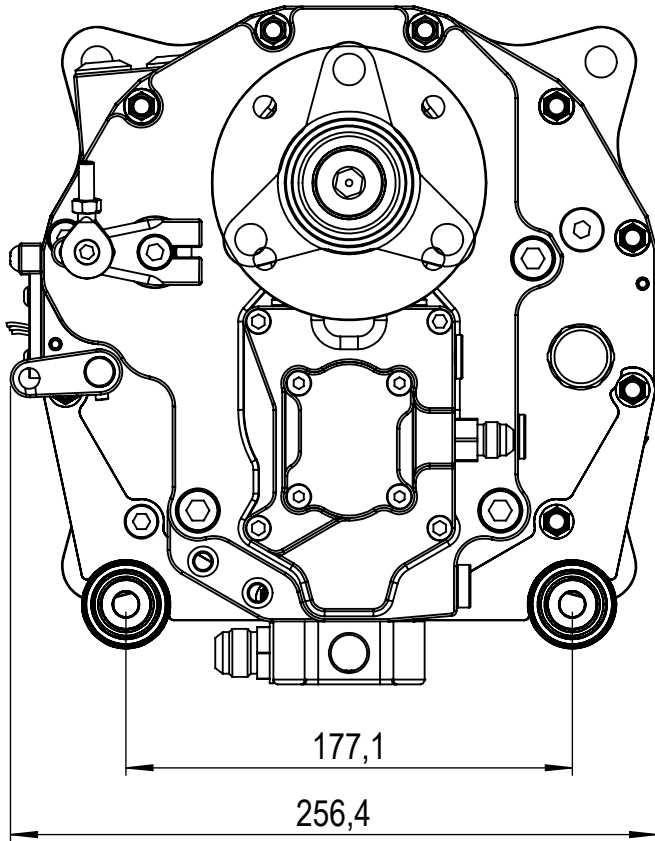
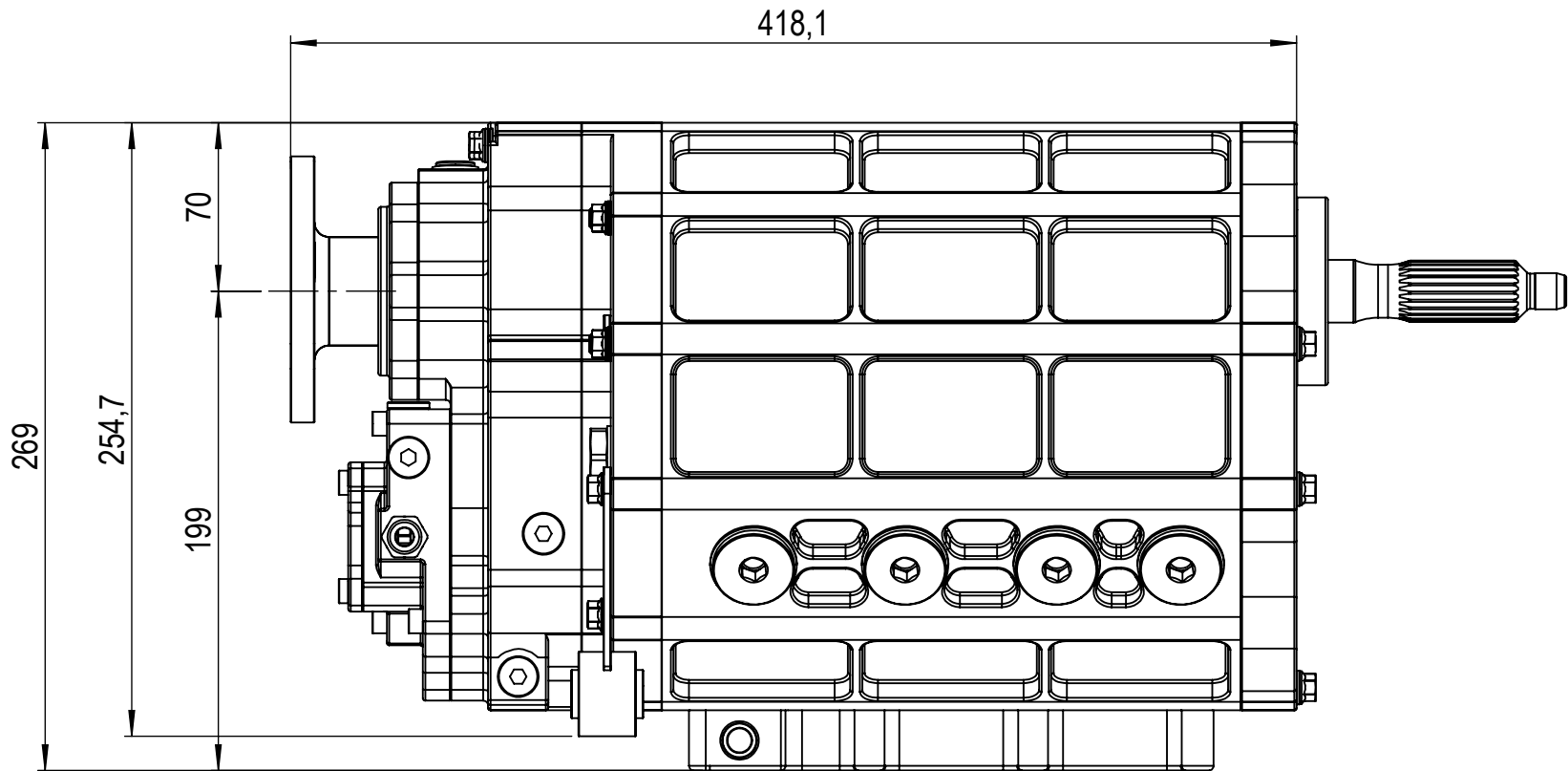


RD 176

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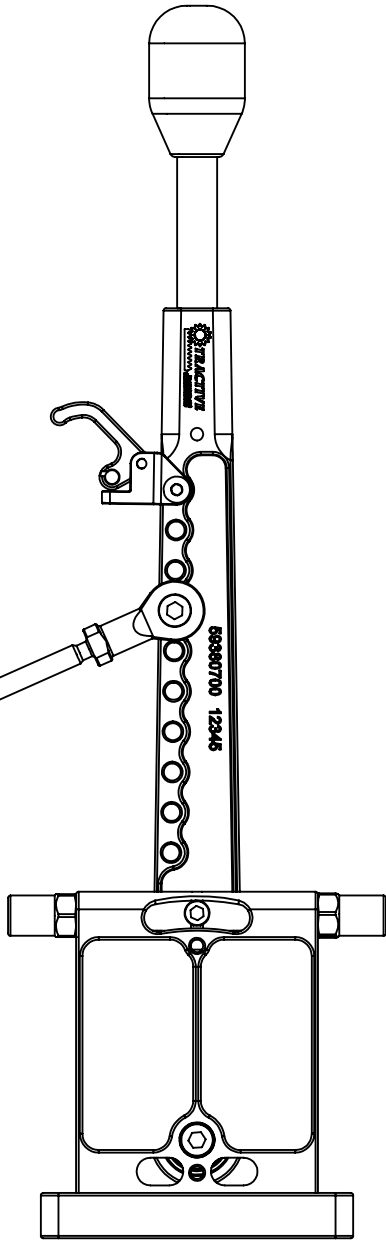
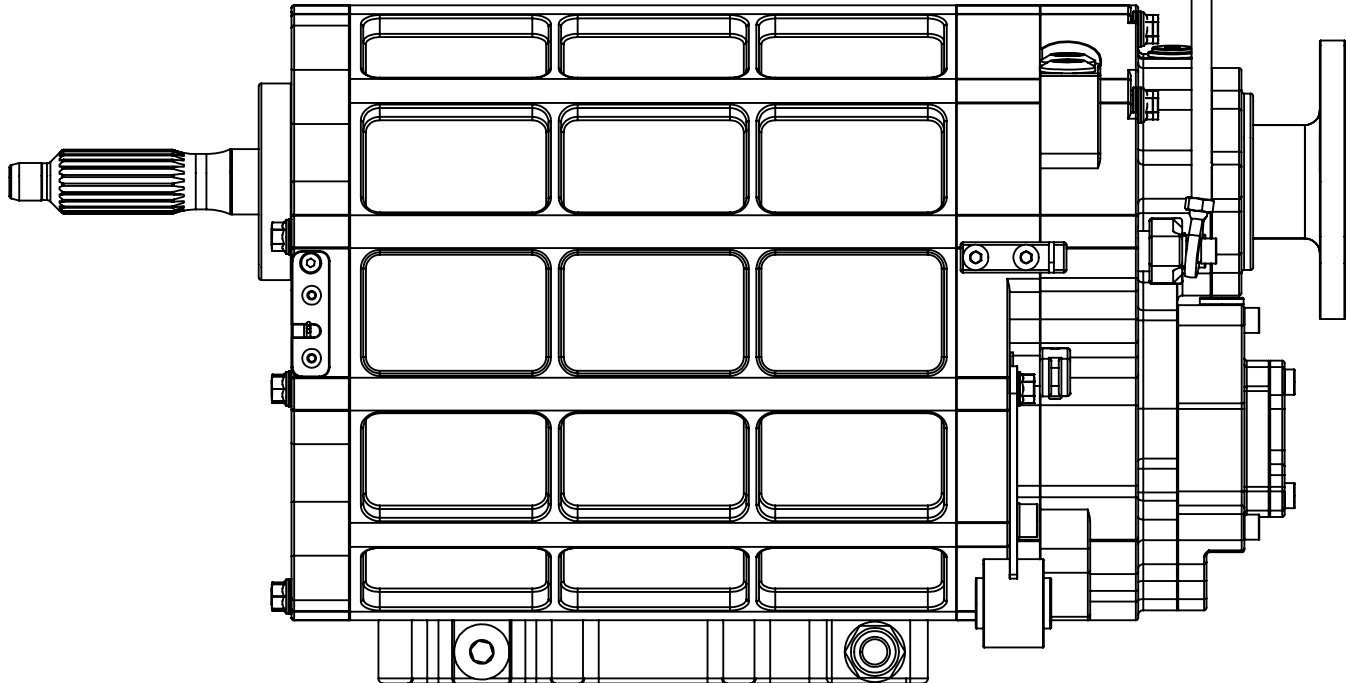


1. Front page (RD176 table of contents.docx)
2. Table of contents (RD176 table of contents.docx)
3. RD 176 outside dimensions (Drawing no. A0600005)
4. Gear lever mounting instructions (Drawing no. A0600005)
5. RD 176 section views (Drawing no. A0600005)
6. RD 176 assembly (Drawing no. A0600005)
7. Drop gear cover assembly (Drawing no. 58316101)
8. Drop gear cover assembly, section view (Drawing no. 58316101)
9. R output flanges (Drawing no. A3900004)
10. Rear end plate (Drawing no. 58318101)
11. Rear end plate section view (Drawing no. 58318101)
12. Reverse release axle, RD assembly (Drawing no. 59100901)
13. Detent plunger assembly (Drawing no. A5900018)
14. Detent plunger (Drawing no. 59210201)
15. Ratchet axle assembly (Drawing no. A5900027)
16. Ratchet axle assembly section view (Drawing no. A5900027)
17. RD 176 main shaft assembly (Drawing no. A3400063)
18. RD 176 input shaft assembly (Drawing no. A3400062)
19. Clutch shaft options RD (Drawing no. A3400056)
20. RD 906 housing options (Drawing no. A5700043)
21. RD 906 housing assembly (Drawing no. A5700015)
22. RD 906 Housing with oil sump assembly (Drawing no. A5600046)
23. Oil pump assembly (Drawing no. 57440301)
24. Oil pump assembly for oil sump (Drawing no. 57440601)
25. Rear mount assembly (Drawing no. 43261101)
26. Rear mount assembly U.A.E (Drawing no. 43261111)
27. Front plate common parts assembly (Drawing no. A5800033)
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31. Front plate Ford bolts and stud position (Drawing no. 58310701)
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33. Front plate BMW bolts and stud position (Drawing no. 58312001)
34. Front plate universal assembly (Drawing no. 58313301)
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36. RD 906 selector barrel assembly (Drawing no. A5900008)
37. Selector barrel magnet alignment (Drawing no. A5900008)
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39. Gear lever assembly (Drawing no. A5900012)
40. RD176/R236 gear lever options (Drawing no. A5900030)
41. Gear lever unsprung standard complete (Drawing no. 59400501)
42. Gear lever unsprung short complete (Drawing no. 59400601)
43. Unlock lever (Drawing no. 59381101)
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45. Bell crank assembly (Drawing no. 59170401)
46. Unlock cable (Drawing no. A5300006)
47. Unlock cable optional (Drawing no. A5300007)
48. Weld plate options (Drawing no. A5900020)
49. Shift cylinder assembly Geartronic (Drawing no. A4300019)
50. Shift cylinder assembly K.M.P (Drawing no. A4300020)



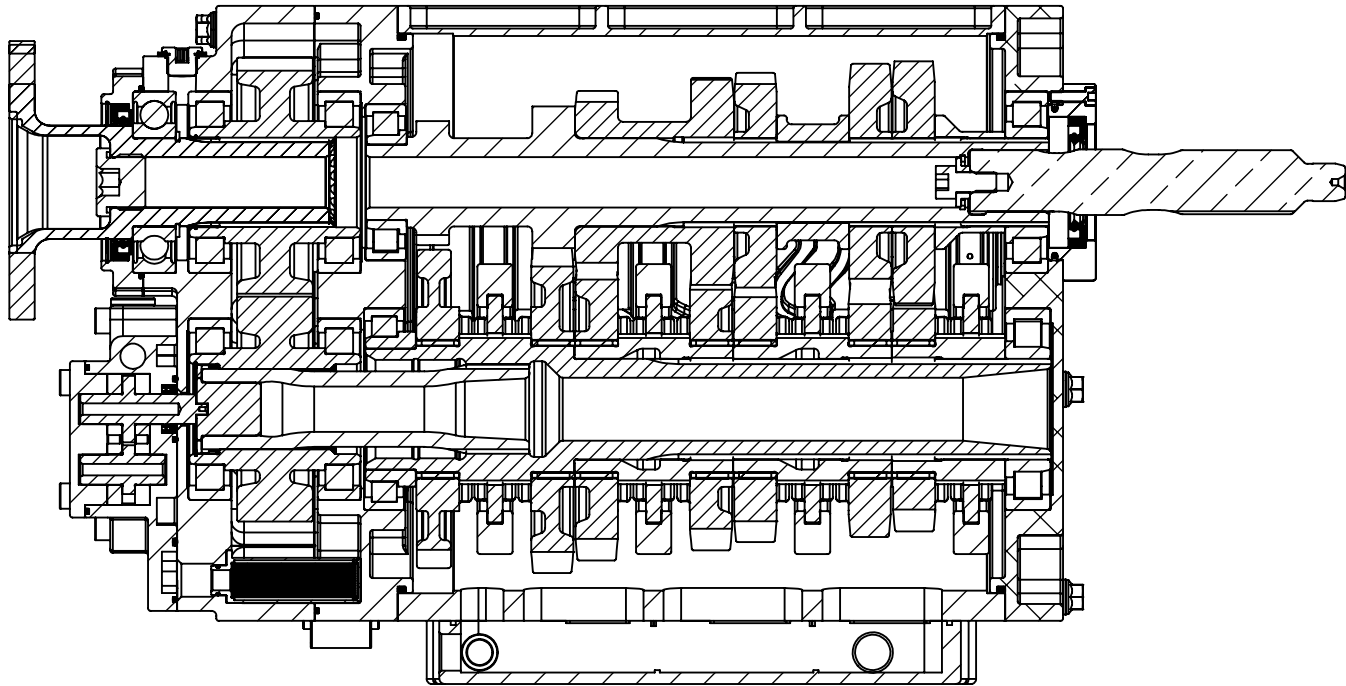
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Checked by	J.Gustavson	2025-07-10	Description								
Drawn by	J.Thide	2018-02-05	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden				Sheet	Part and drawing number		Category	Revision
Designed by	J.Thide	2025-04-03					1/4	RD176			A

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-11	JT	JT

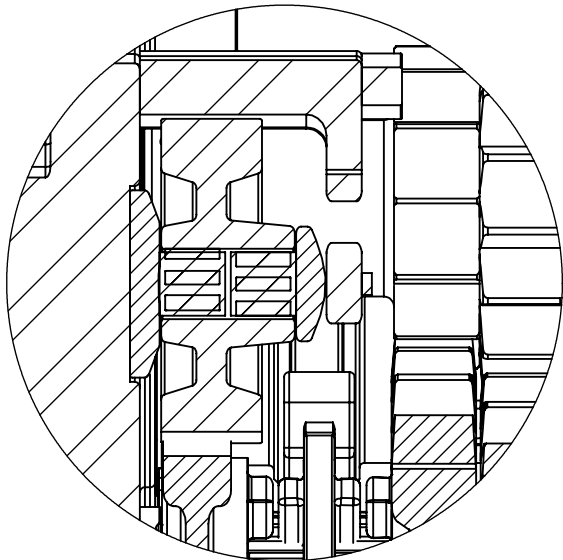


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Checked by	J.Gustavson	2025-07-10	Description								
Drawn by	J.Thide	2018-02-05					Sheet	Part and drawing number		Category	Revision
Designed by	J.Thide	2025-07-02					2/4		RD176		
			Gjutargatan 54 S-781 70 Borlänge - Sweden								

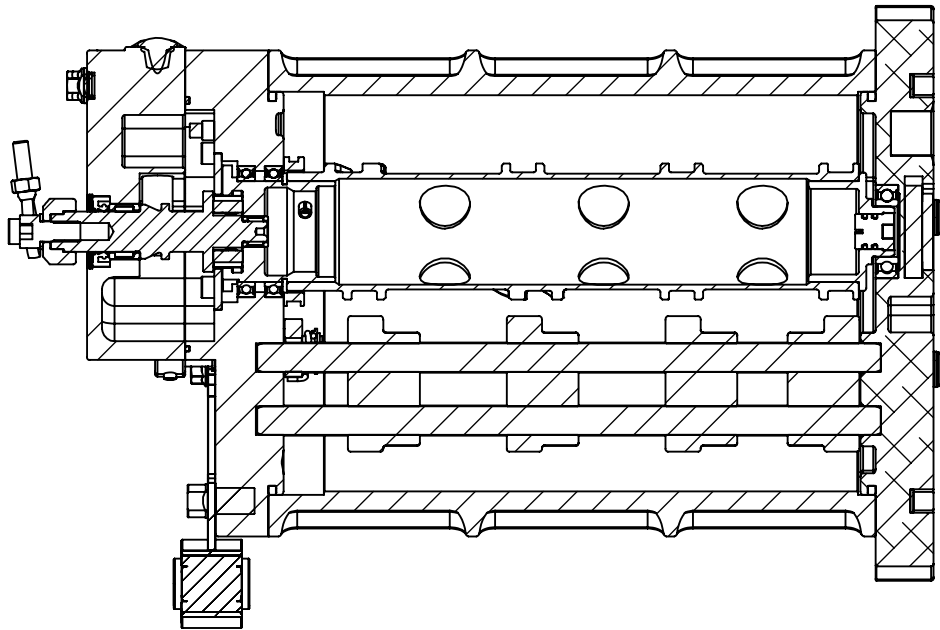
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-11	JT	JT



SECTION A-A



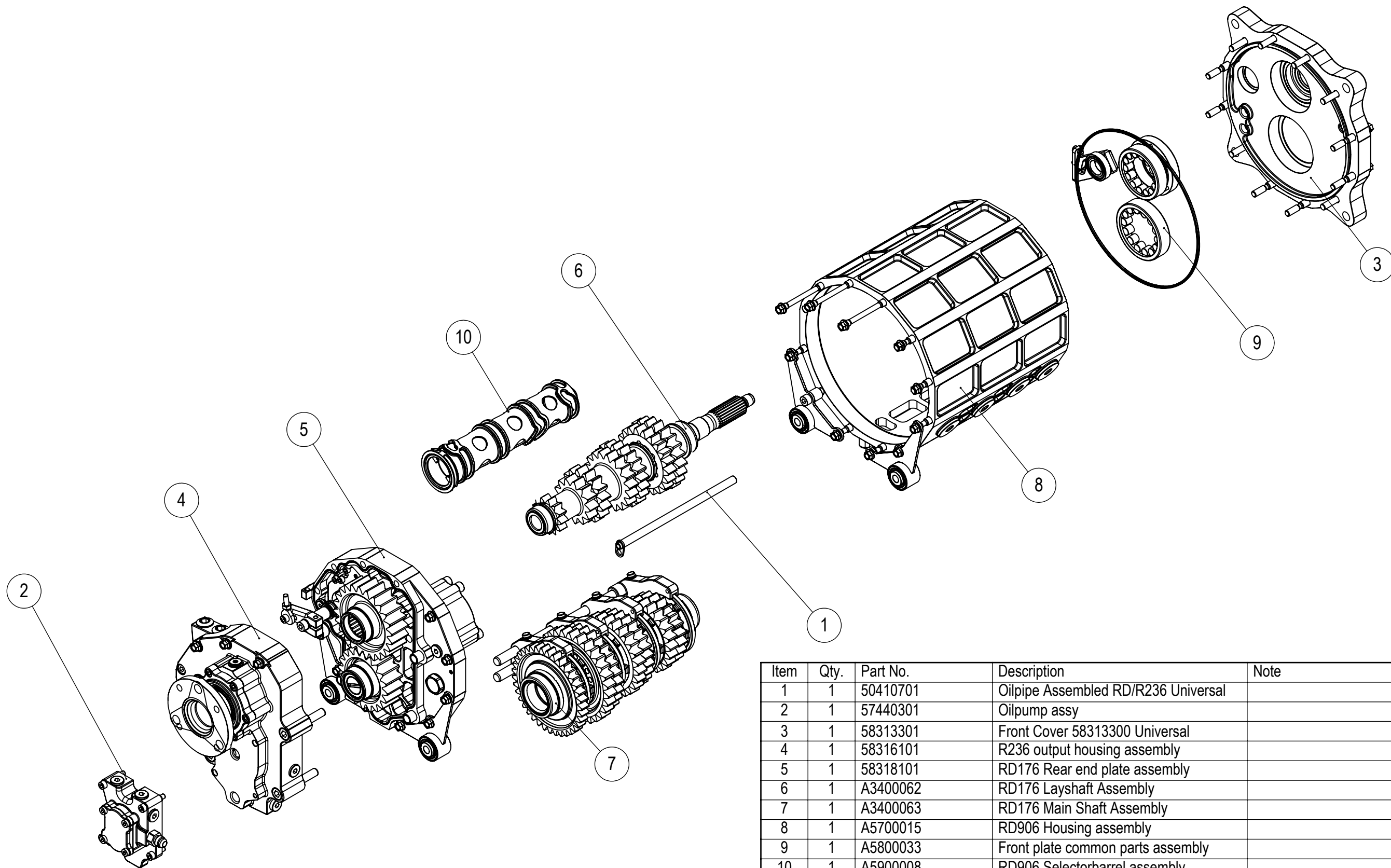
DETAIL C



SECTION B-B

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-11	JT	JT

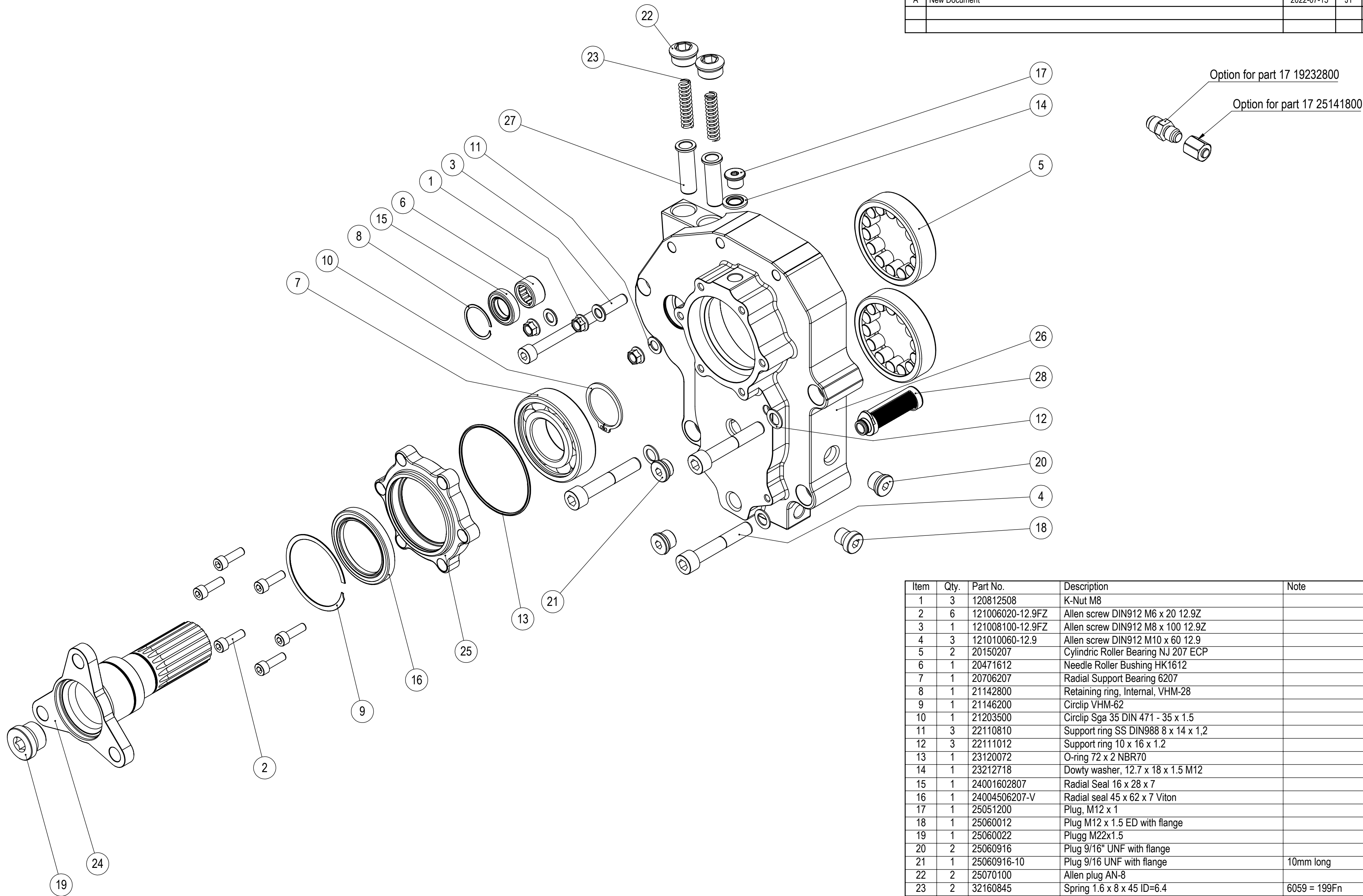
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Approved and released by	J.Thide	2025-07-11	Beskrivning								
Checked by	J.Gustavson	2025-07-10	Description								
Drawn by	J.Thide	2018-02-05	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden			Sheet 3/4	Part and drawing number RD176		Category	Revision A	
Designed by	J.Thide	2025-04-03									



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-11	JT	JT

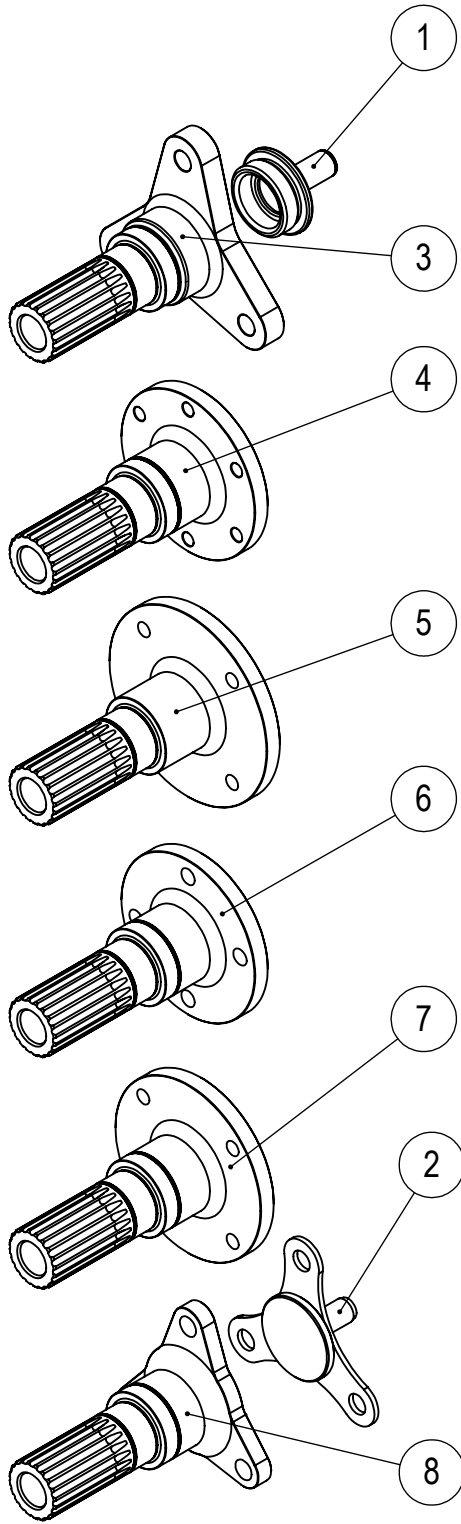
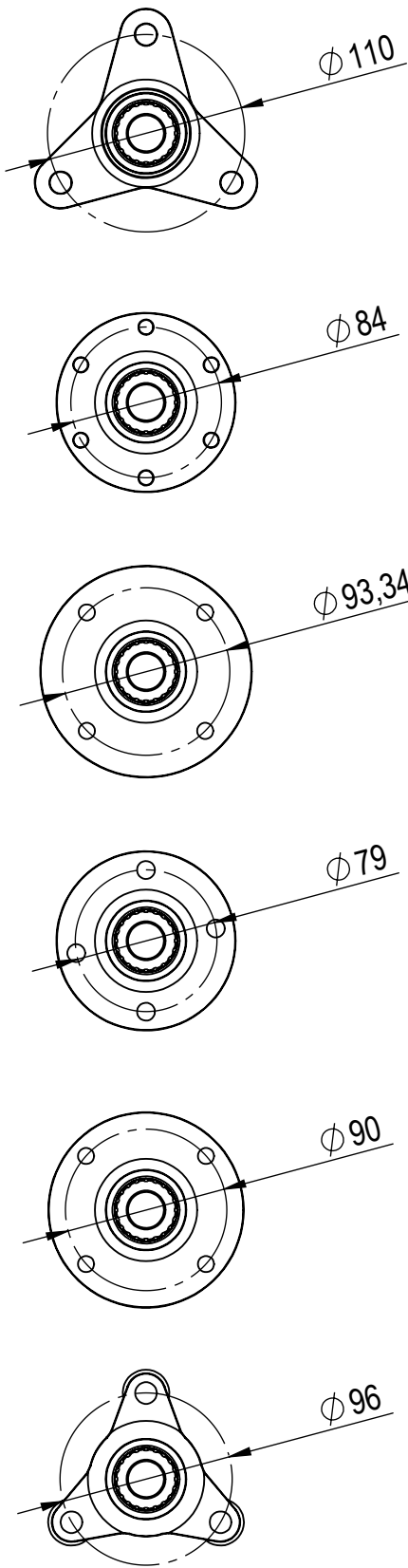
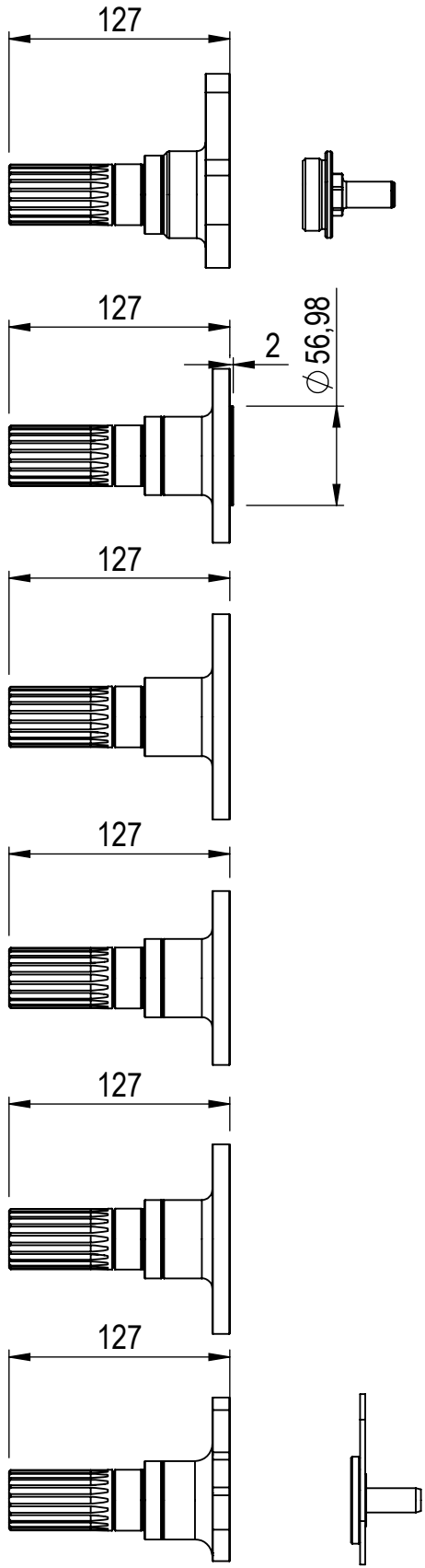
Item	Qty.	Part No.	Description	Note
1	1	50410701	Oilpipe Assembled RD/R236 Universal	
2	1	57440301	Oilpump assy	
3	1	58313301	Front Cover 58313300 Universal	
4	1	58316101	R236 output housing assembly	
5	1	58318101	RD176 Rear end plate assembly	
6	1	A3400062	RD176 Layshaft Assembly	
7	1	A3400063	RD176 Main Shaft Assembly	
8	1	A5700015	RD906 Housing assembly	
9	1	A5800033	Front plate common parts assembly	
10	1	A5900008	RD906 Selectorbarrel assembly	

Material				Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
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Approved and released by	J.Thide	2025-07-11	Beskrivning					
Checked by	J.Gustavson	2025-07-10	Description					
Drawn by	J.Thide	2018-02-05			Sheet	Part and drawing number	Category	Revision
Designed by	J.Thide	2025-04-03			4/4	RD176		A
			Gjutargatan 54 S-781 70 Borlänge - Sweden					



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	

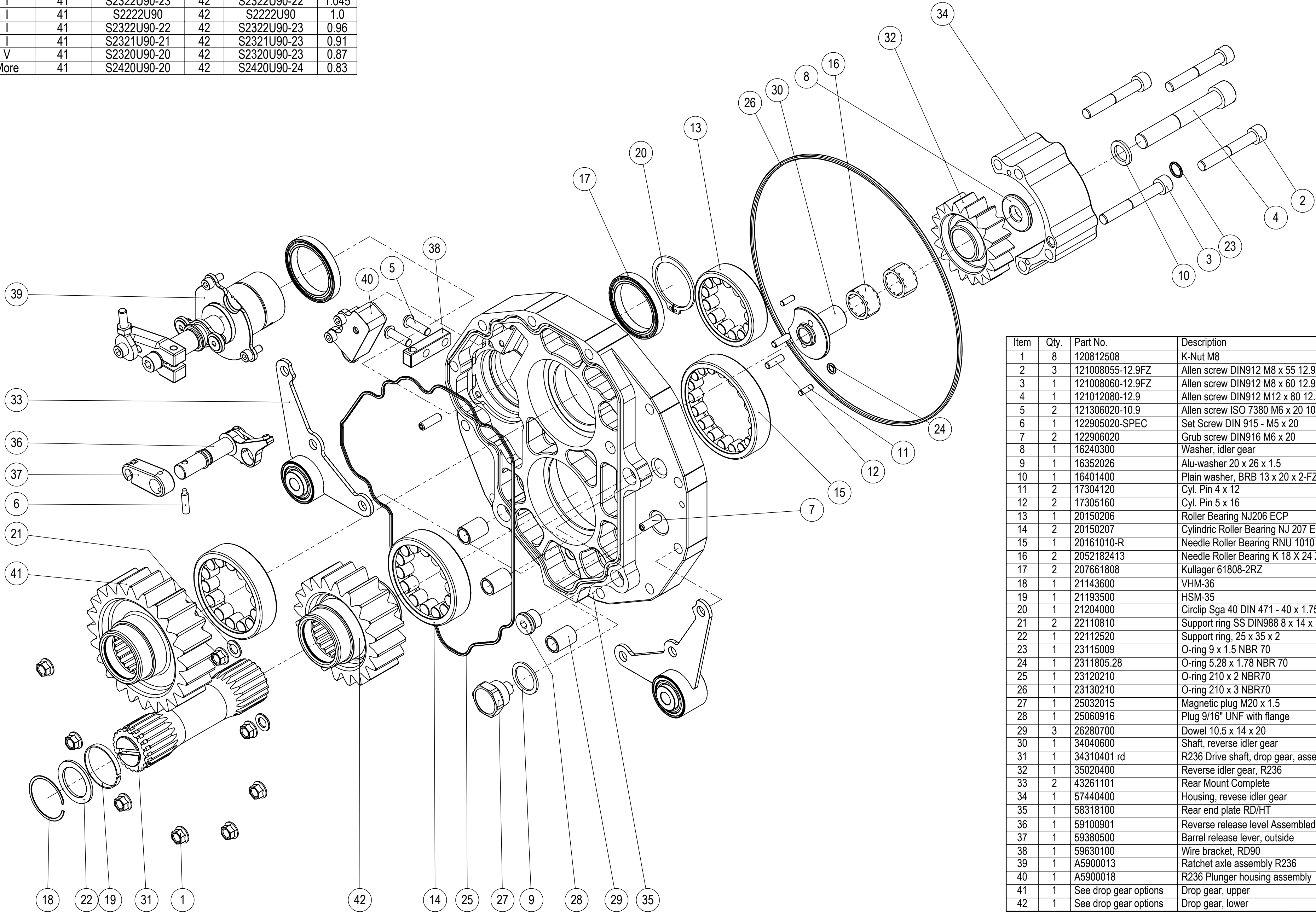
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Approved and released by	S.A	2022-07-13	Beskrivning						
Checked by	System Administrator	2022-07-13	Description R236 output housing assembly						
Drawn by	J.Thide	2022-07-12	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden		Sheet	Drawing number		Category	Revision
Designed by	JThide				1/1	58316101		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	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

Drop gear options					
Drop gear upper			Drop gear lower		
Top speed	Item	Part no.	Item	Part no.	Ratio
Less	41	S2420U90-24	42	S2420U90-20	1.2
I	41	S2320U90-23	42	S2320U90-20	1.15
I	41	S2321U90-23	42	S2321U90-21	1.095
I	41	S2322U90-23	42	S2322U90-22	1.045
I	41	S2222U90	42	S2222U90	1.0
I	41	S2322U90-22	42	S2322U90-23	0.96
I	41	S2321U90-21	42	S2321U90-23	0.91
V	41	S2320U90-20	42	S2320U90-23	0.87
More	41	S2420U90-20	42	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	1	2311805.28	O-ring 5.28 x 1.78 NBR 70	
25	1	23120210	O-ring 210 x 2 NBR70	
26	1	23130210	O-ring 210 x 3 NBR70	
27	1	25032015	Magnetic plug M20 x 1.5	
28	1	25060916	Plug 9/16" UNF with flange	
29	3	26280700	Dowel 10.5 x 14 x 20	
30	1	34040600	Shaft, reverse idler gear	
31	1	34310401 rd	R236 Drive shaft, drop gear, assembly	
32	1	35020400	Reverse idler gear, R236	
33	2	43261101	Rear Mount Complete	
34	1	57440400	Housing, reverse idler gear	
35	1	58318100	Rear end plate RD/HT	
36	1	59100901	Reverse release level Assembled	
37	1	59380500	Barrel release lever, outside	
38	1	59630100	Wire bracket, RD90	
39	1	A5900013	Ratchet axle assembly R236	
40	1	A5900018	R236 Plunger housing assembly	
41	1	See drop gear options	Drop gear, upper	
42	1	See drop gear options	Drop gear, lower	

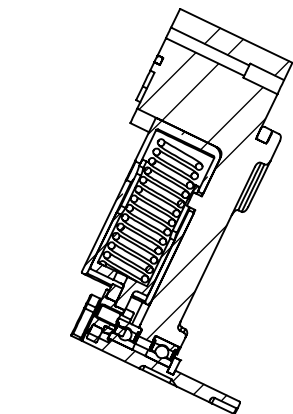
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Checked by	J.Gustavson	2025-05-26	Description						
Drawn by	J.Thide	2021-12-08	RD176 Rear end plate assembly						
Designed by	J.Thide	2025-04-03	TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden		Sheet 1/2	Part and drawing number 58318101		Category	Revision A

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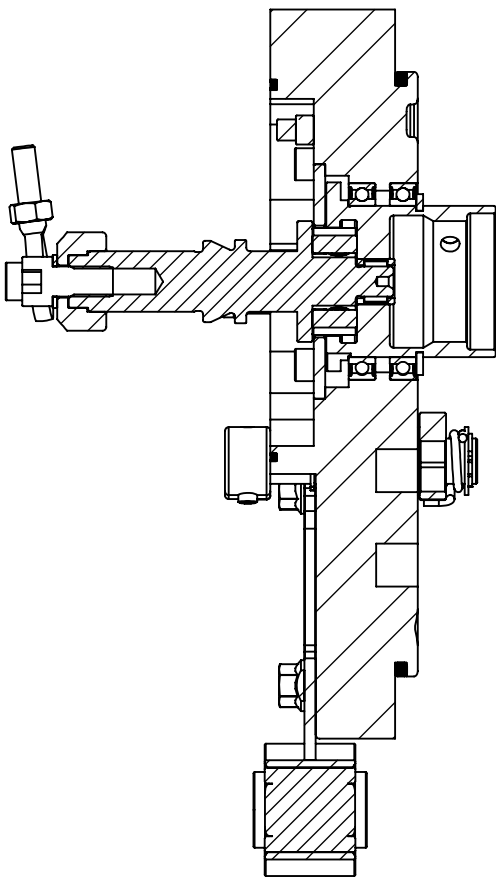
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Gjutargatan 54 S-781 70 Borlänge
Tel +46 243 22 11 55 www.tractive.se

2025-08-19 Model: 58318101 Rev: A

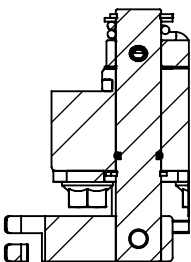
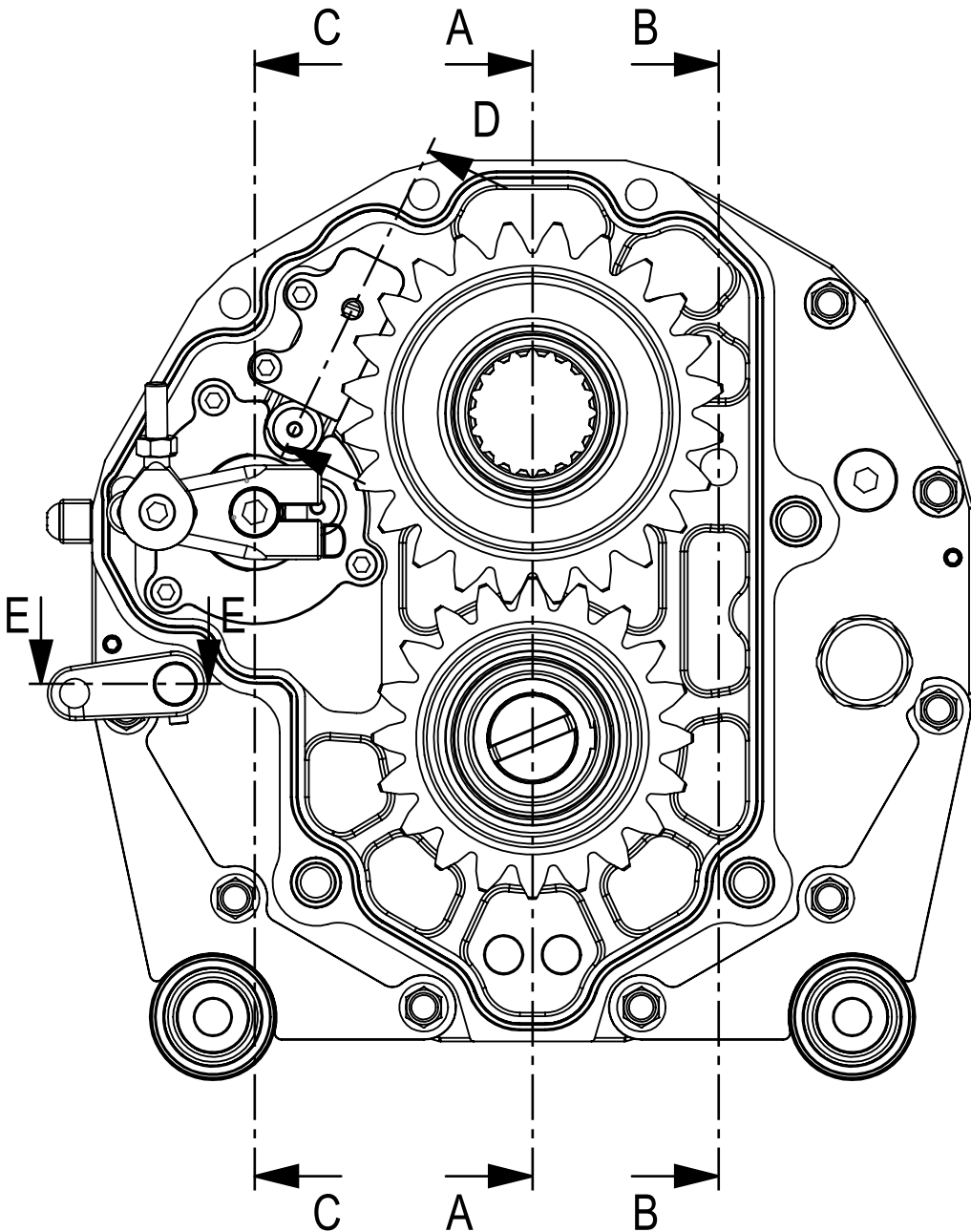
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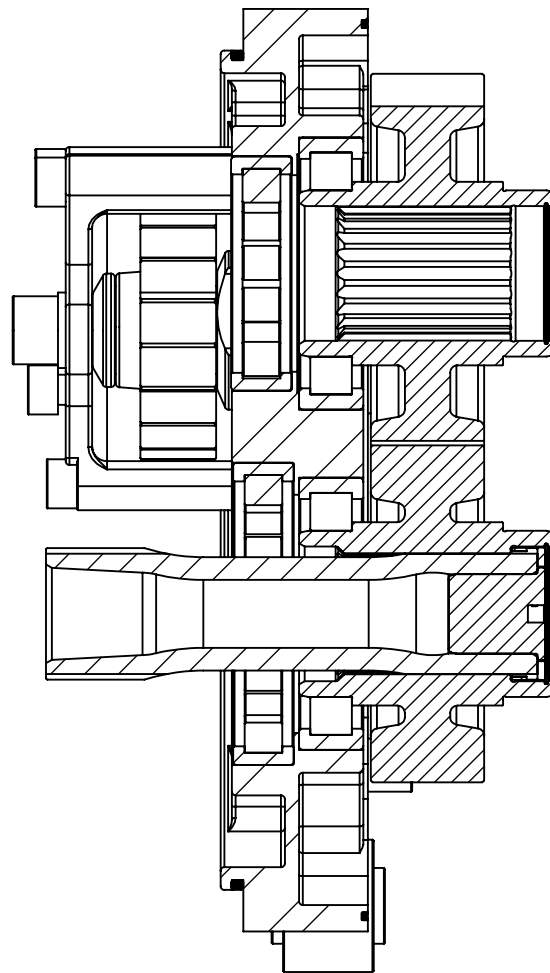
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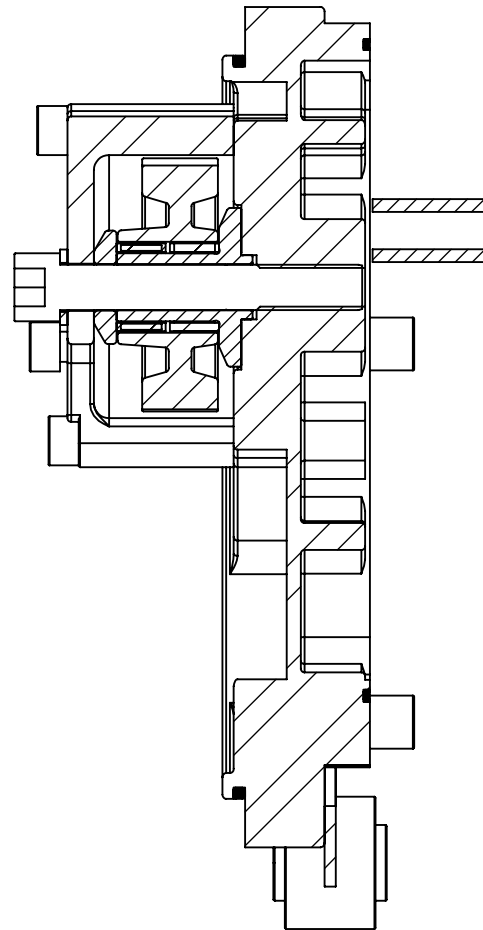
SECTION C-C



SECTION E-E



SECTION A-A



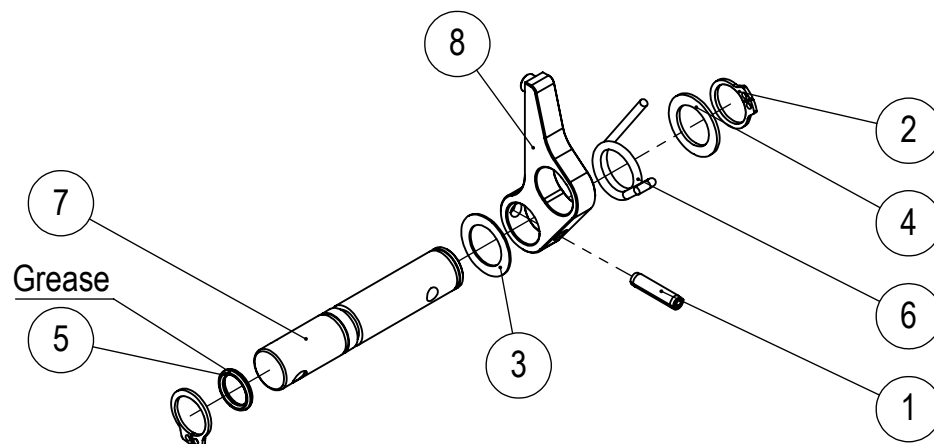
SECTION B-B

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-05-26	JT	JT

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Checked by	J.Gustavson	2025-05-26	Description								
			RD176 Rear end plate assembly								
Drawn by	J.Thide	2021-12-08			Sheet	Drawing number			Category	Revision	
Designed by	J.Thide	2025-04-03	Gjutargatan 54 S-781 70 Borlänge - Sweden		2/2	58318101				A	

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

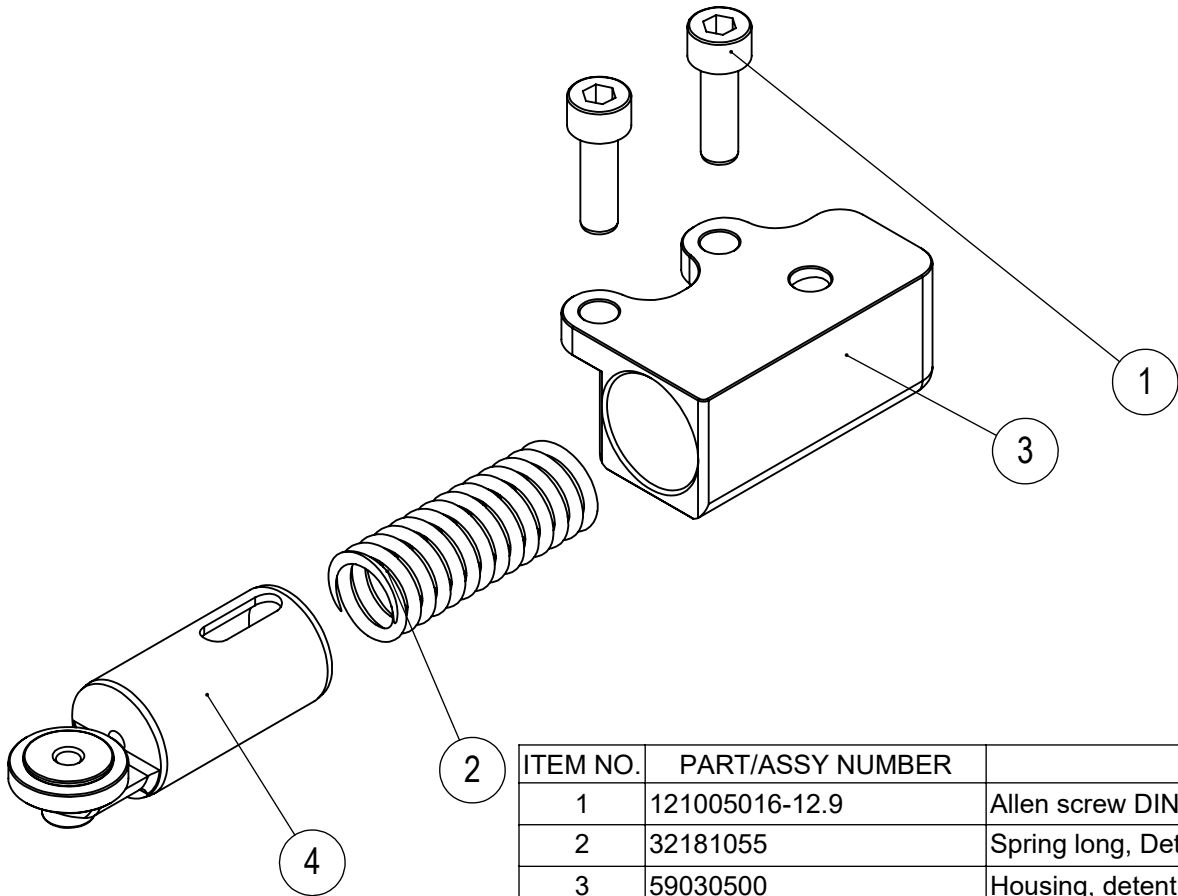
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Model: A5900018 Rev: A

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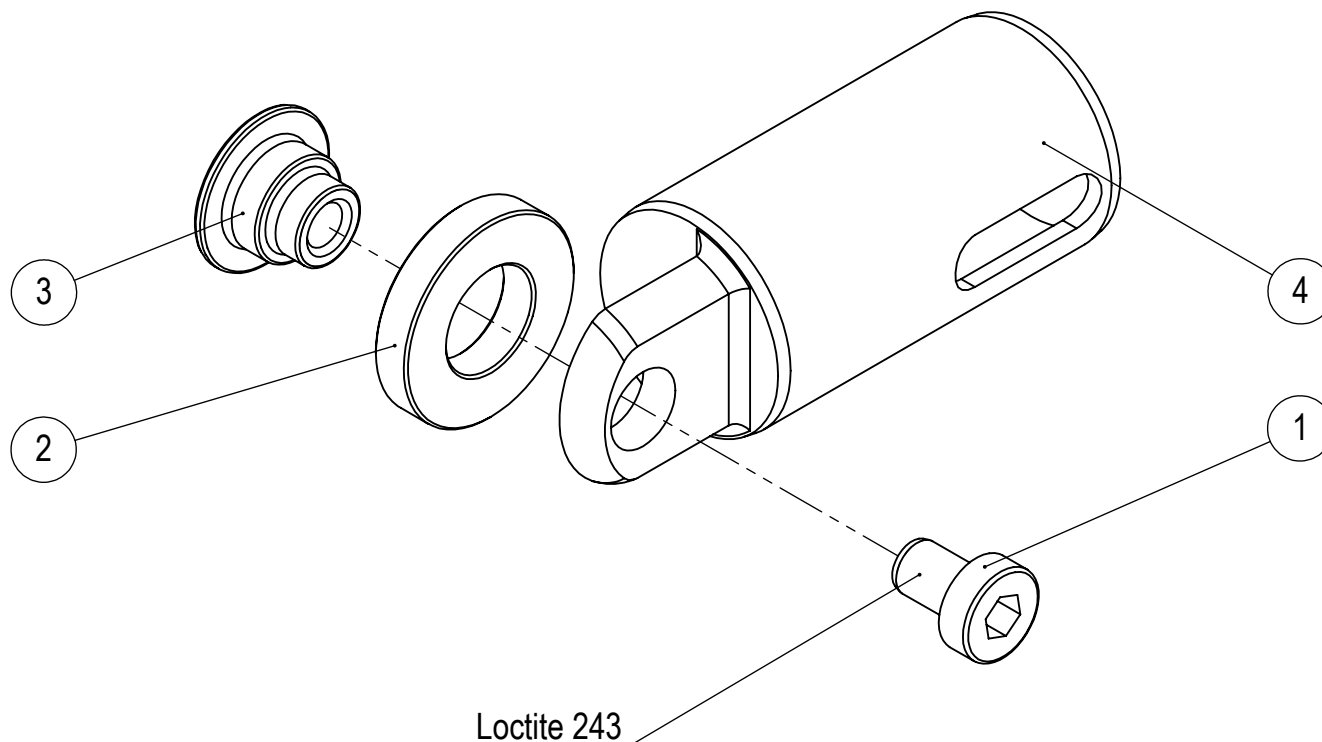
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2017-11-23	JG	JG



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	

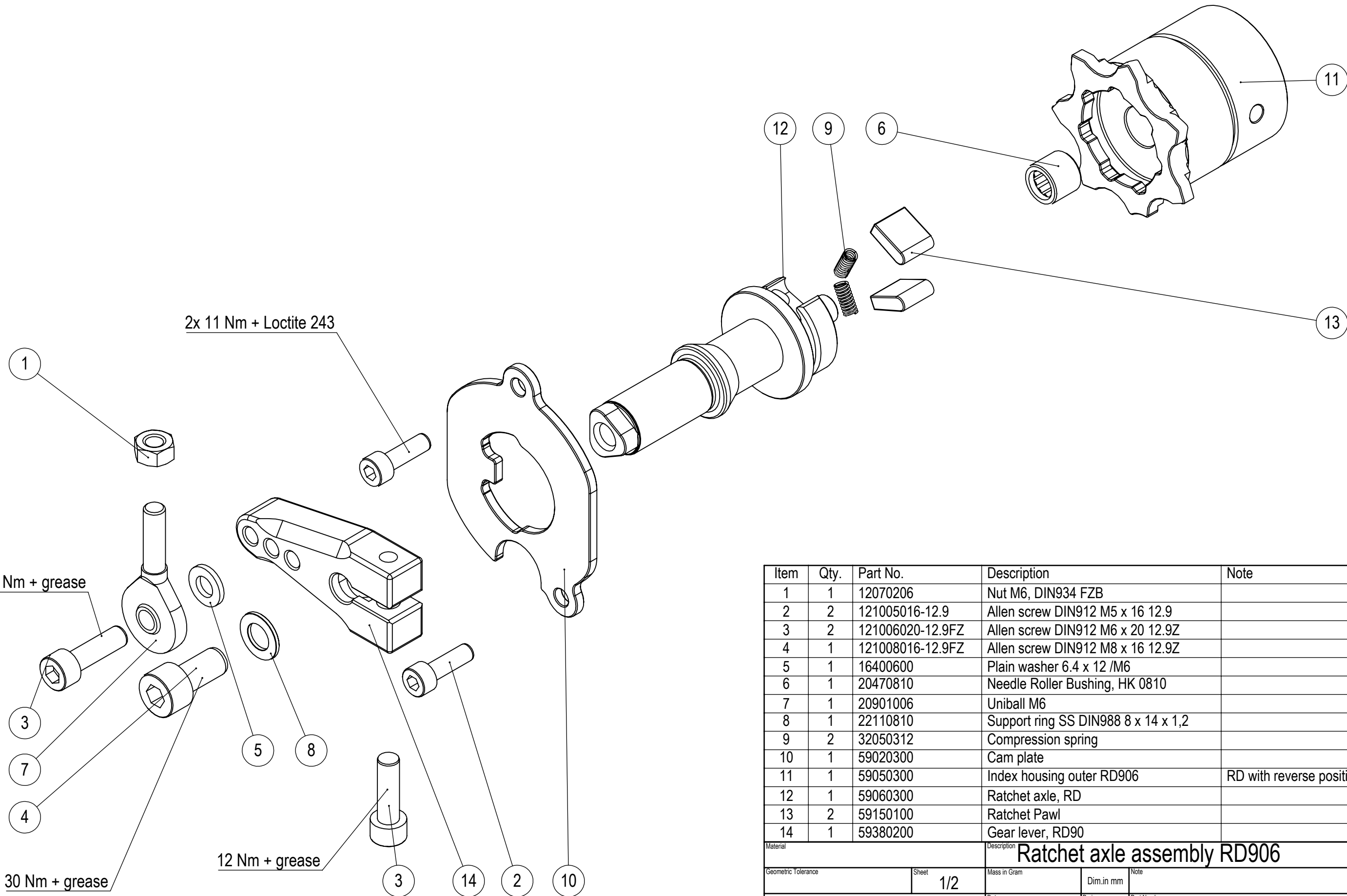
Approved

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



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2021-05-21	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	12070206	Nut M6, DIN934 FZB	
2	2	121005016-12.9	Allen screw DIN912 M5 x 16 12.9	
3	2	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
4	1	121008016-12.9FZ	Allen screw DIN912 M8 x 16 12.9Z	
5	1	16400600	Plain washer 6.4 x 12 /M6	
6	1	20470810	Needle Roller Bushing, HK 0810	
7	1	20901006	Uniball M6	
8	1	22110810	Support ring SS DIN988 8 x 14 x 1,2	
9	2	32050312	Compression spring	
10	1	59020300	Cam plate	
11	1	59050300	Index housing outer RD906	RD with reverse position
12	1	59060300	Ratchet axle, RD	
13	2	59150100	Ratchet Pawl	
14	1	59380200	Gear lever, RD90	
Material			Description	
			Ratchet axle assembly RD906	
Geometric Tolerance		Sheet	Mass in Gram	Dim.in mm
		1/2		
Date		2018-01-02	Proj	Part Number
Drawn by		J.Thid	Designed by	J.Thide
			Scale	1:1
Revision				A

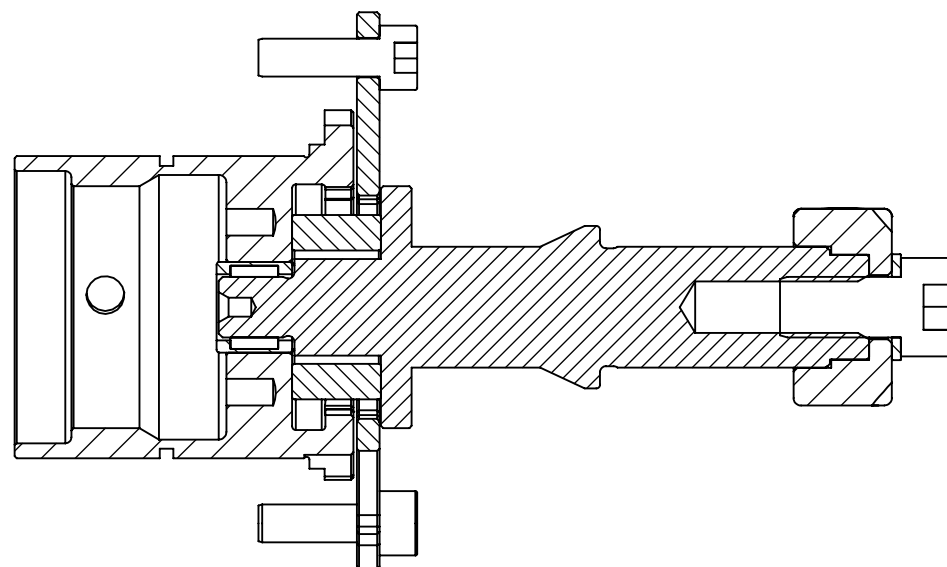
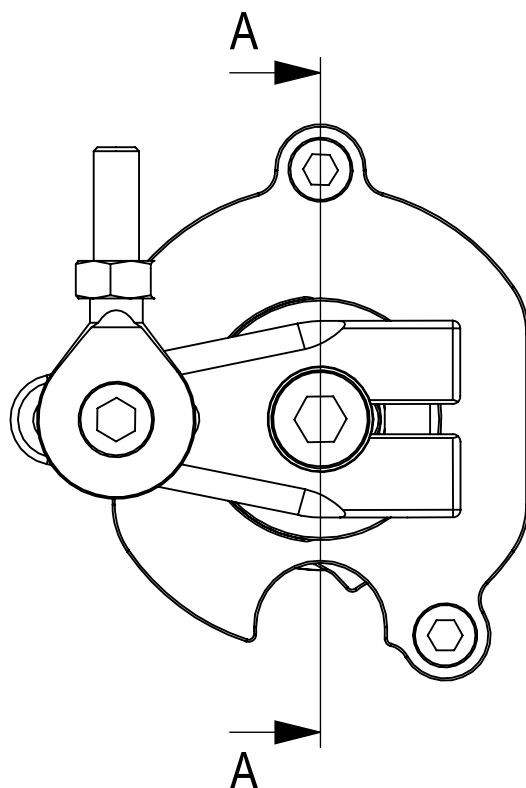
TRACTIVE

A5900027

A

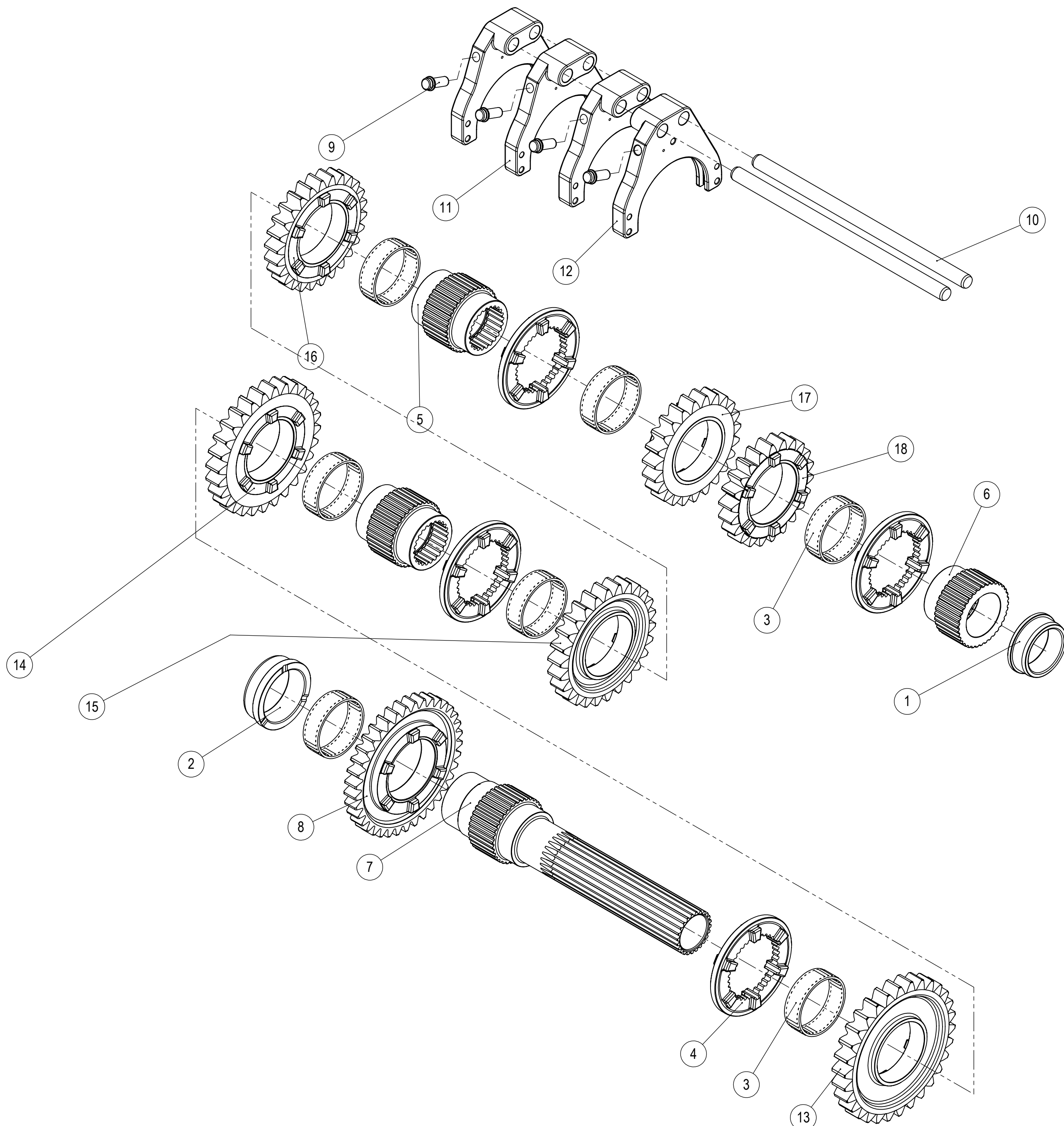
Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2021-05-21	JT	JT



SECTION A-A

Material		Description Ratchet axle assembly RD906		
Geometric Tolerance	Sheet 2/2	Mass in Gram	Dim.in mm	Note
TRACTIVE		Date 2018-01-02	Proj	Part Number
		Drawn by J.Thid	Designed by J.Thide	Scale 1:1
A5900027				Revision A



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-05-26	JT	JT

1st Gear options		
Gears		Ratio
Item	Main shaft gear	
13	A1133H90	3.00
13	A1231H90	2.58
13	A1331H90	2.38
13	A1330H90	2.31

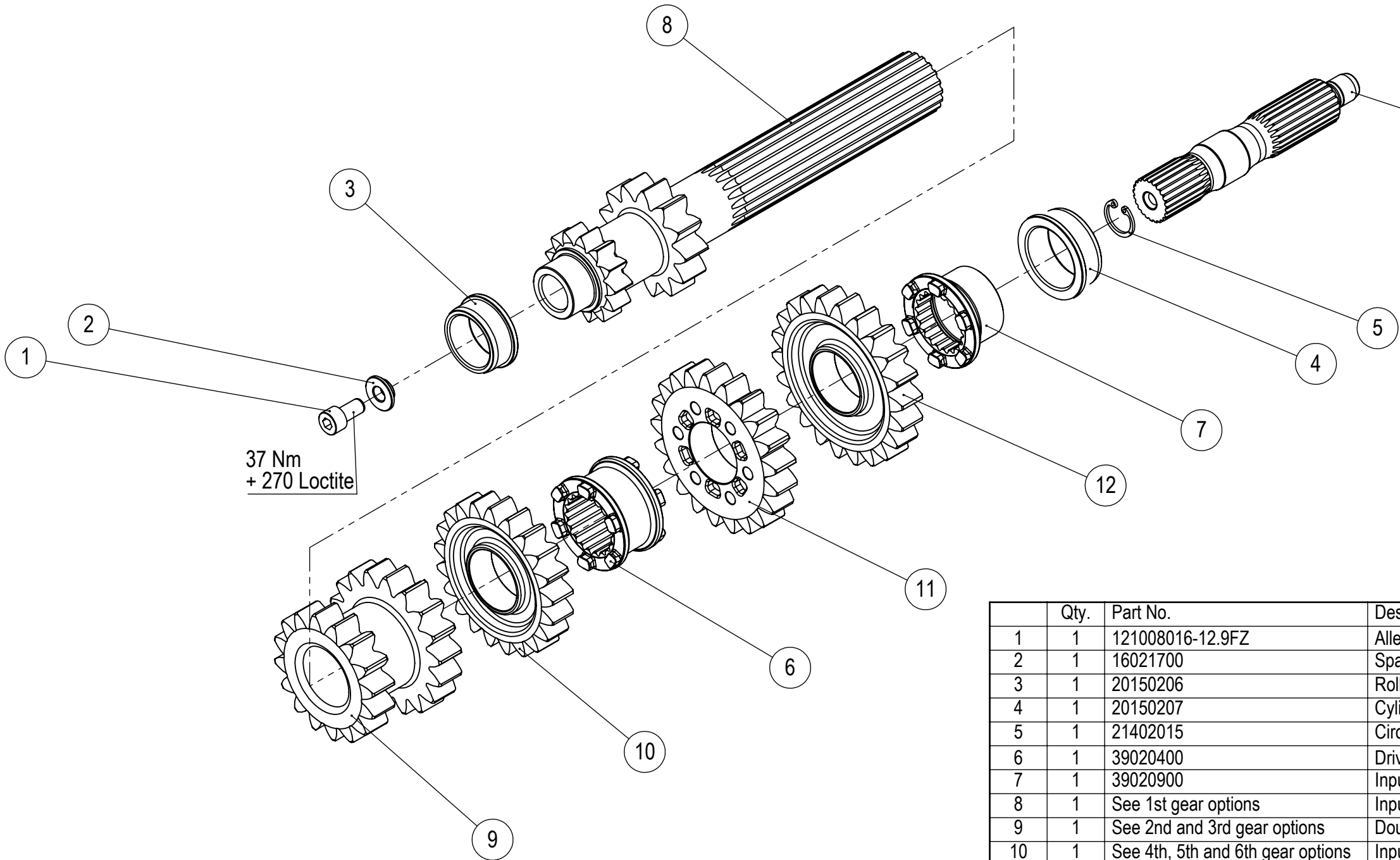
2nd Gear options		
Gears		Ratio
Item	Main shaft gear	
14	A1430H90	2.14
14	A1629H90	1.81
14	A1628H90	1.75

3rd Gear options		
Gears		Ratio
Item	Main shaft gear	
15	A1728H90	1.65
15	A1826H90	1.44

4th, 5th and 6th gear options		
Gears		Ratio
Item	Main shaft gear	
16,17,18	A1925H90	1.32
16,17,18	A2126H90	1.24
16,17,18	A2327H90	1.174
16,17,18	A2123H90	1.095
16,17,18	A2426H90	1.08
16,17,18	A2222H90	1
16,17,18	A2625H90	0.96
16,17,18	A2322H90	0.95

Item	Qty.	Part No.	Description	Note
1	1	20150208	Cylindric roller bearing, NJ 208 ECP	
2	1	20390400	NJ-type bearing race RD/R236	
3	7	2052505517	Needle Bearing K 50 x 55 x 17	
4	4	22030200	Dog Ring, 90mm	
5	2	26110200	Hub 17mm Gears	
6	1	26111500	Hub 6th 17mm gears	
7	1	34255300	Main shaft, RD/R236, L=272	RD906 B=17
8	1	35030700	Reverse Gear RD176	
9	4	59140100	Selector pin	
10	2	59260400	Selector rod, L=247.5,	RD906, 17 mm
11	3	59270400	Shift fork RD/SD90	monoblock, dog ring 90 mm,
12	1	59270500	Shift fork	
13	1	See 1st gear options	A-gear, 17 mm, 1st gear	
14	1	See 2nd gear options	A-Gear, 17mm, 2nd gear	
15	1	See 3rd gear options	A-gear, 17 mm, 3rd gear	
16	1	See 4th, 5th and 6th gear options	A-gear, 17 mm, 4th gear	
17	1	See 4th, 5th and 6th gear options	A-gear, 17 mm, 5th gear	
18	1	See 4th, 5th and 6th gear options	A-gear, 17 mm, 6th gear	

Material			 Scale 1:2.5 mm / g		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		2025-05-26		Description		RD176 Main Shaft Assembly			
Checked by			J.Gustavson		2025-05-26		Sheet		Drawing number		Category Revision	
Drawn by			J.Thide		2017-12-27		 1/1		A3400063		A	
Designed by			J.Thide		2025-04-03		Gjutargatan 54 S-781 70 Borlänge - Sweden					



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-04-04	JT	JT

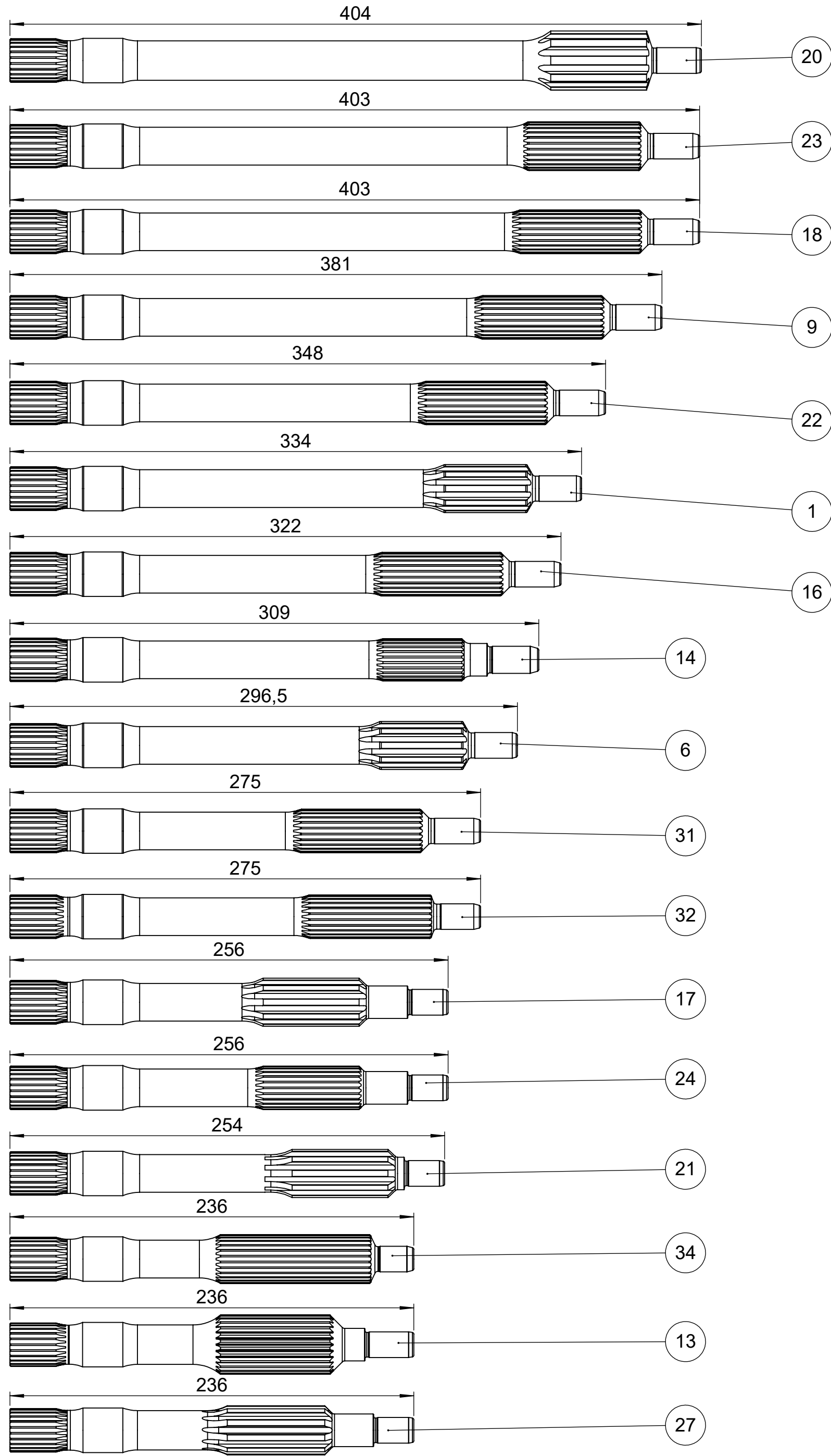
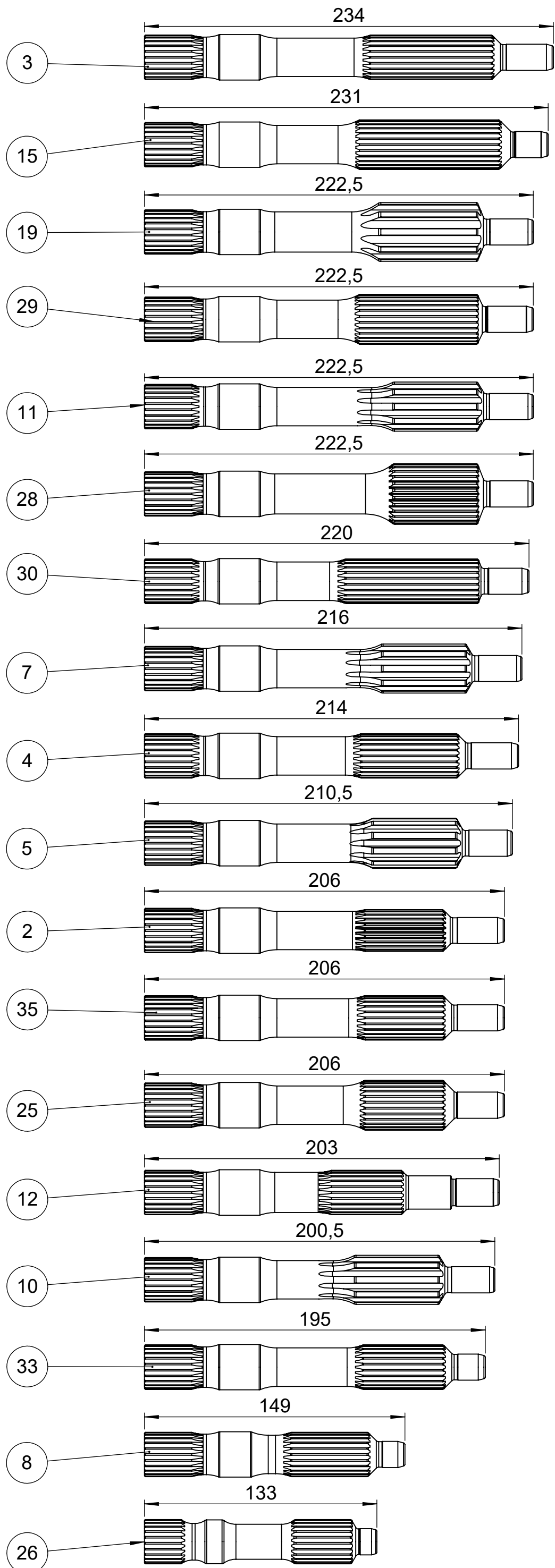
1st Gear options		
Gears		Ratio
Item	Input shaft	
8	34245600 (11T)	3.00
8	34245500 (12T)	2.58
8	34245400 (13T)	2.38

2nd and 3rd gear options			
Gears		Ratio 2nd	Ratio 3rd
Item	Double gear		
9	35461000	2.14 (14T)	1.65 (17T)
9	35460400	1.81 (16T)	1.44 (18T)
9	35460400	1.75 (16T)	1.44 (18T)

4th, 5th and 6th gear options		
Gears		Ratio
Item	Lay shaft gear	
10,11,12	K1925H90	1.32
10,11,12	K2126H90	1.24
10,11,12	K2327H90	1.174
10,11,12	K2123H90	1.095
10,11,12	K2426H90	1.08
10,11,12	K2222H90	1
10,11,12	K2625H90	0.96
10,11,12	K2322H90	0.95

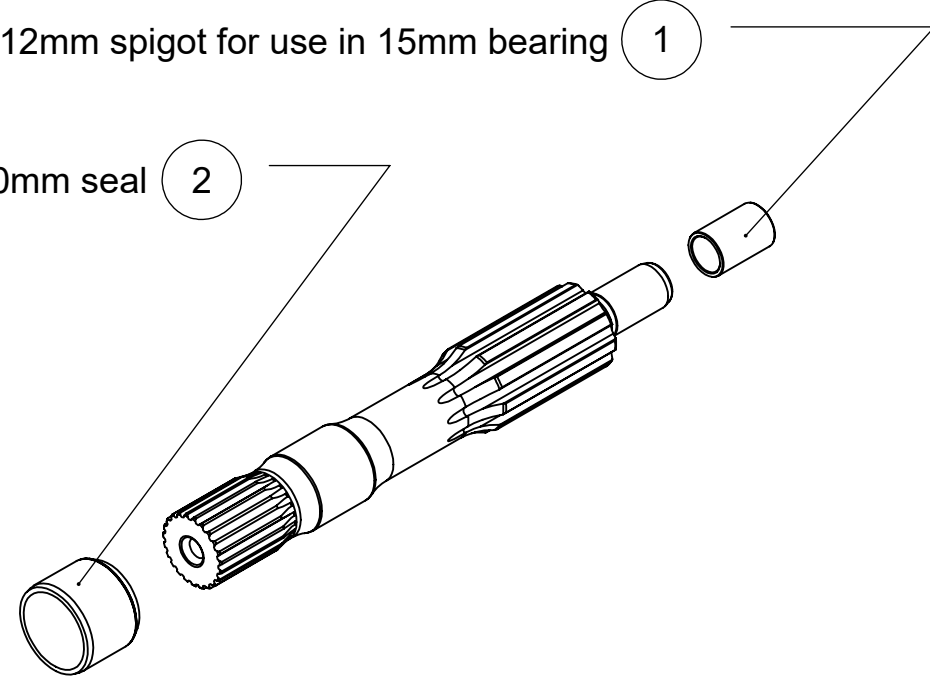
	Qty.	Part No.	Description	Note
1	1	121008016-12.9FZ	Allen screw DIN912 M8 x 16 12.9Z	
2	1	16021700	Spacer	
3	1	20150206	Roller Bearing NJ206 ECP	
4	1	20150207	Cylindric Roller Bearing NJ 207 ECP	
5	1	21402015	Circlip Sgh 20 - 20 x 1.5	
6	1	39020400	Drive hub B=17 L=29	
7	1	39020900	Input 6th gear hub single B=17mm	
8	1	See 1st gear options	Input shaft,	
9	1	See 2nd and 3rd gear options	Double gear RD90 2nd-3rd 17mm	
10	1	See 4th, 5th and 6th gear options	Input gear 4th	
11	1	See 4th, 5th and 6th gear options	Input gear 5th	
12	1	See 4th, 5th and 6th gear options	Input gear 6th	
13	1	See clutch shaft options	Clutch shaft	

Material			Proj	Scale	Units	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
				1:2.5	mm / g	4963					
Approved and released by	J.Thide	2025-04-04	Beskrivning								
Checked by	J.Thide	2025-04-04	Description								
			RD176 Layshaft Assembly								
Drawn by	J.Thide	2018-01-05				Sheet	Drawing number		Category	Revision	
Designed by	J.Thide	2025-04-03				1/1	A3400062			A	
			Gjutargatan 54 S-781 70 Borlänge - Sweden								



For BMW axles with 12mm spigot for use in 15mm bearing 1

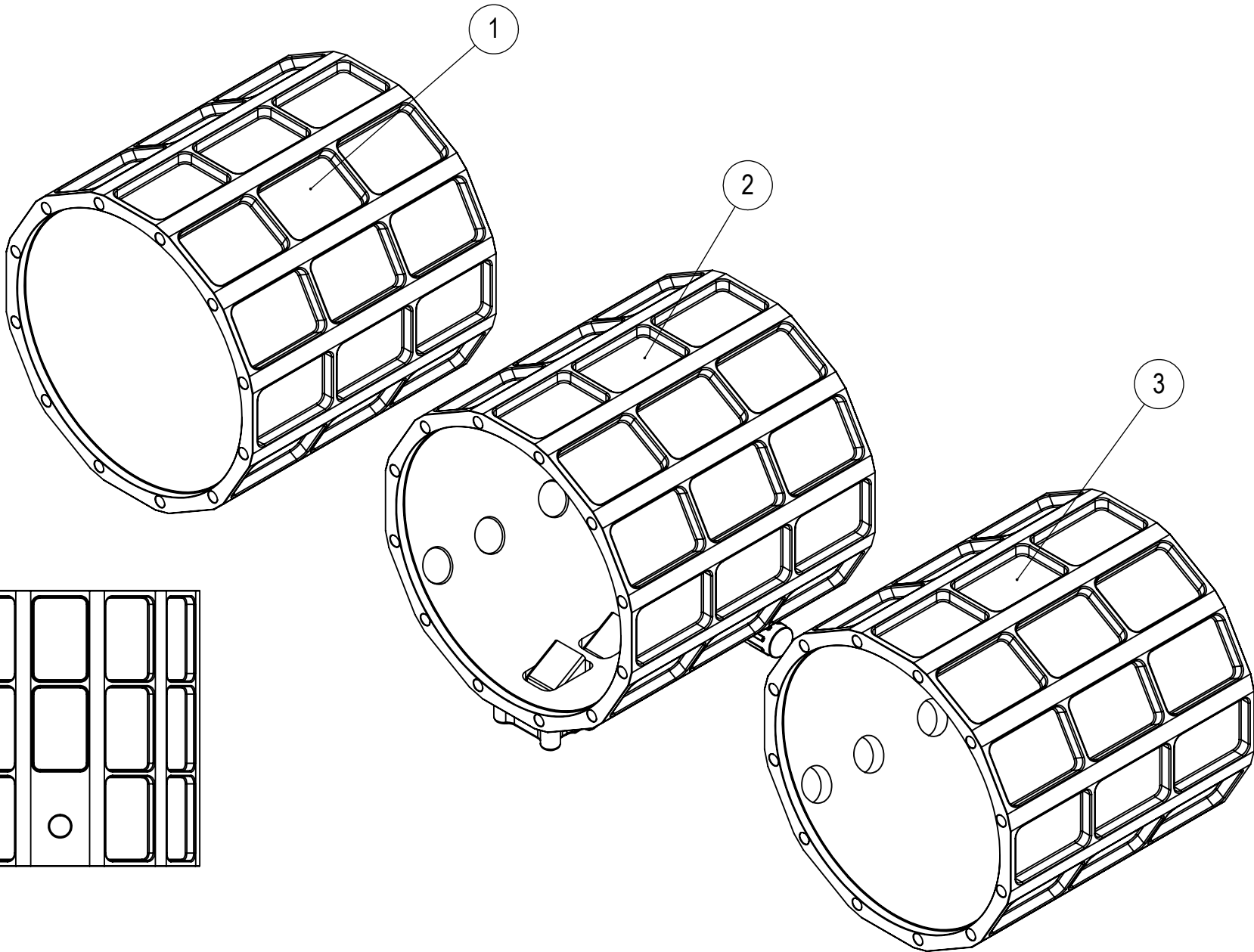
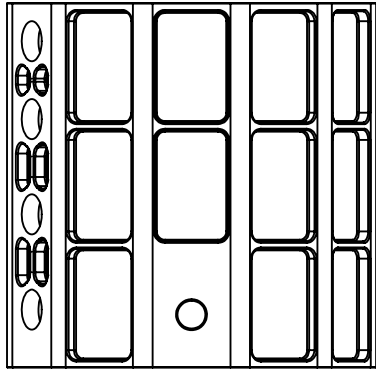
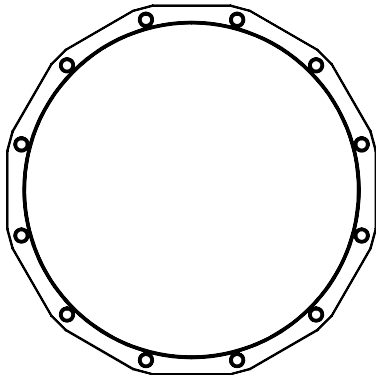
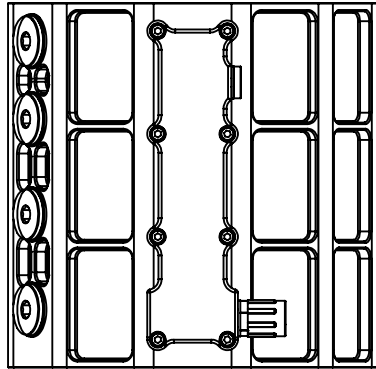
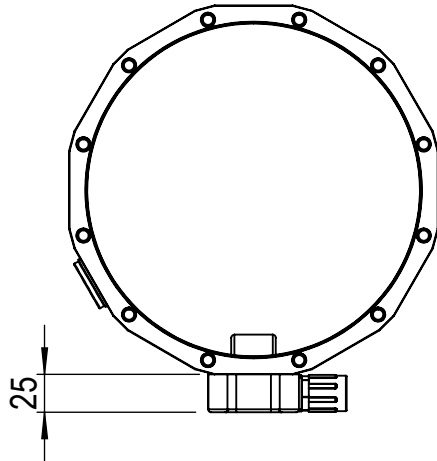
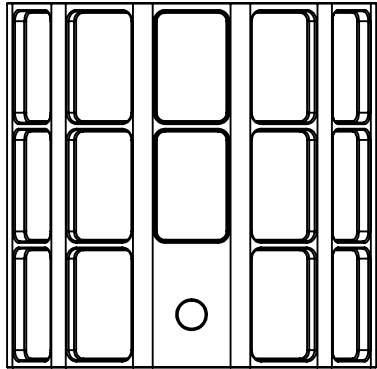
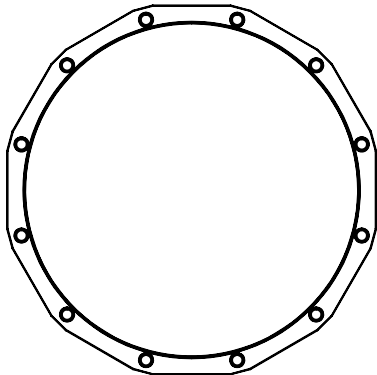
For use with a 30mm seal 2



Item	Qty.	Part No.	Description	Note
1	1	2039121522.5	Inner race IR 12 x 15 x 22.5	
2	1	33021500	Clutch shaft bushing	
3	1	34143600	Clutch shaft, BMW 29mm, 10 splines	BMW L=200,5

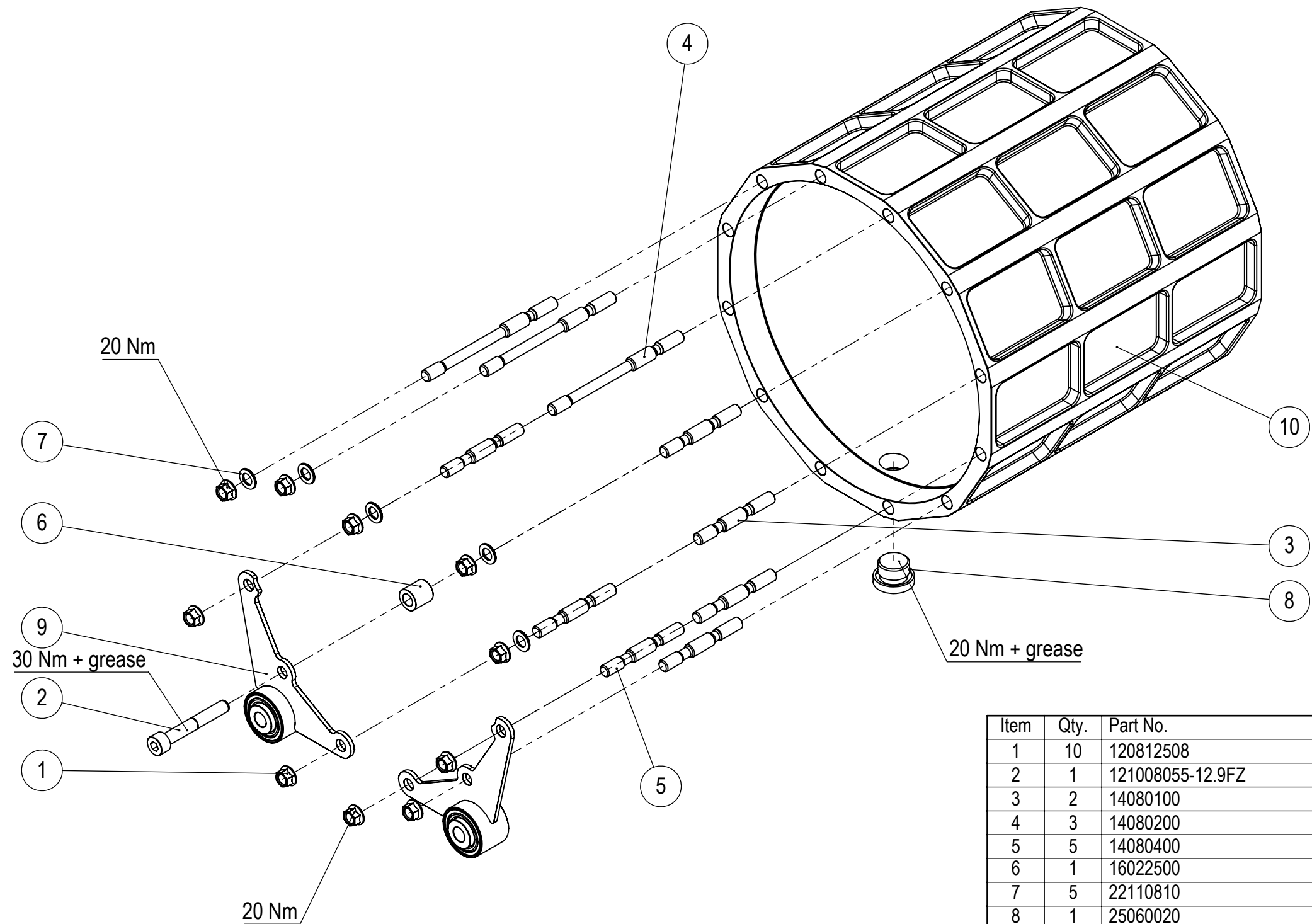
Item	Qty.	Part No.	Description	Note
1	1	34141600	Clutch shaft, RD Getrag L=334	
2	1	34141800	Clutch shaft	Volvo M45, 24mm, 22 splines
3	1	34141900	Clutch shaft, Ford 1", 23 splines	Ford L=234
4	1	34142000	Clutch shaft RD Ford 1"-23 L=214	
5	1	34142200	Clutch shaft, RD Getrag L=210,5	BMW L=210,5
6	1	34142600	Clutch shaft, RD Getrag L= 296,5	
7	1	34142700	Clutch Shaft RD Getrag L=216	BMW L=216
8	1	34143000	Clutch shaft, Ford 1", 23 splines	L=149 Ford Splines
9	1	34143200	Clutch shaft, RD Ford L=381	
10	1	34143600	Clutch shaft, BMW 29mm, 10 splines	BMW L=200,5
11	1	34143800	Clutch shaft, BMW 29mm, 10 splines	
12	1	34143900	Clutch shaft, Ford 1", 23 splines	Nissan 350Z
13	1	34144000	Clutch shaft, BMW 35mm, 26 splines	BMW V8, Tractive Bellhousing
14	1	34144100	Clutch shaft, Ford 1", 23 splines	Nissan
15	1	34144200	Clutch shaft, GM 1 1/8" 26 Splines	Supra-GM 26
16	1	34144300	Clutch shaft, RD Ford L= 322	
17	1	34144400	Clutch shaft, RD Getrag L= 256	BMW V8, + adaptorplate
18	1	34144500	Clutch shaft, RD Ford L=403s	
19	1	34144600	Clutch shaft RD BMW 10 spline 35mm	BMW 1 3/8 - 10 L=222,5
20	1	34144700	Clutch shaft, RD 35/10 BMW L= 404	
21	1	34144900	Clutch shaft, BMW 29mm, 10 splines	Lotus Corvette
22	1	34145000	Clutch shaft, RD Ford L=348	
23	1	34145100	Clutch shaft, GM 1 1/8" 26 Splines	GM 26 L=403
24	1	34145700	Clutch shaft, Ford 1", 23 splines	BMW V8, + adaptorplate
25	1	34145800	Clutch shaft, GM 1 1/8" 26 Splines	Volvo length GM splines
26	1	34145900	Clutch shaft, Ford 1", 23 splines	BMW Mini
27	1	34146000	Clutch shaft, RD Getrag L=236	BMW V8, Tractive Bellhousing
28	1	34146300	Clutch shaft, BMW 35mm, 26 splines	BMW L=222,5
29	1	34146600	Clutch shaft, GM 1-1/8" 26 Splines	
30	1	34146800	Clutch shaft Ford 1" 23 Splines	
31	1	34146900	Clutch shaft, Ford 1", 23 splines	Ford L=275
32	1	34147300	Clutch shaft, Ford 1", 23 splines	
33	1	34147400	Clutch shaft, Ford 1", 23 splines, L=195	
34	1	34147500	Clutch shaft RD GM26 1-1/8" L=236 BMW V8	
35	1	34147600	Clutch shaft RD Ford 1" 23 splines Volvo M45 L=206	

Material		Description		Clutch shafts RD	
Geometric Tolerance		Sheet	1/1	Mass in Gram	Note
Date		Drawn by	Designed by	Part Number	Revision
JT		JT	Scale 1:2.3	A3400056	A



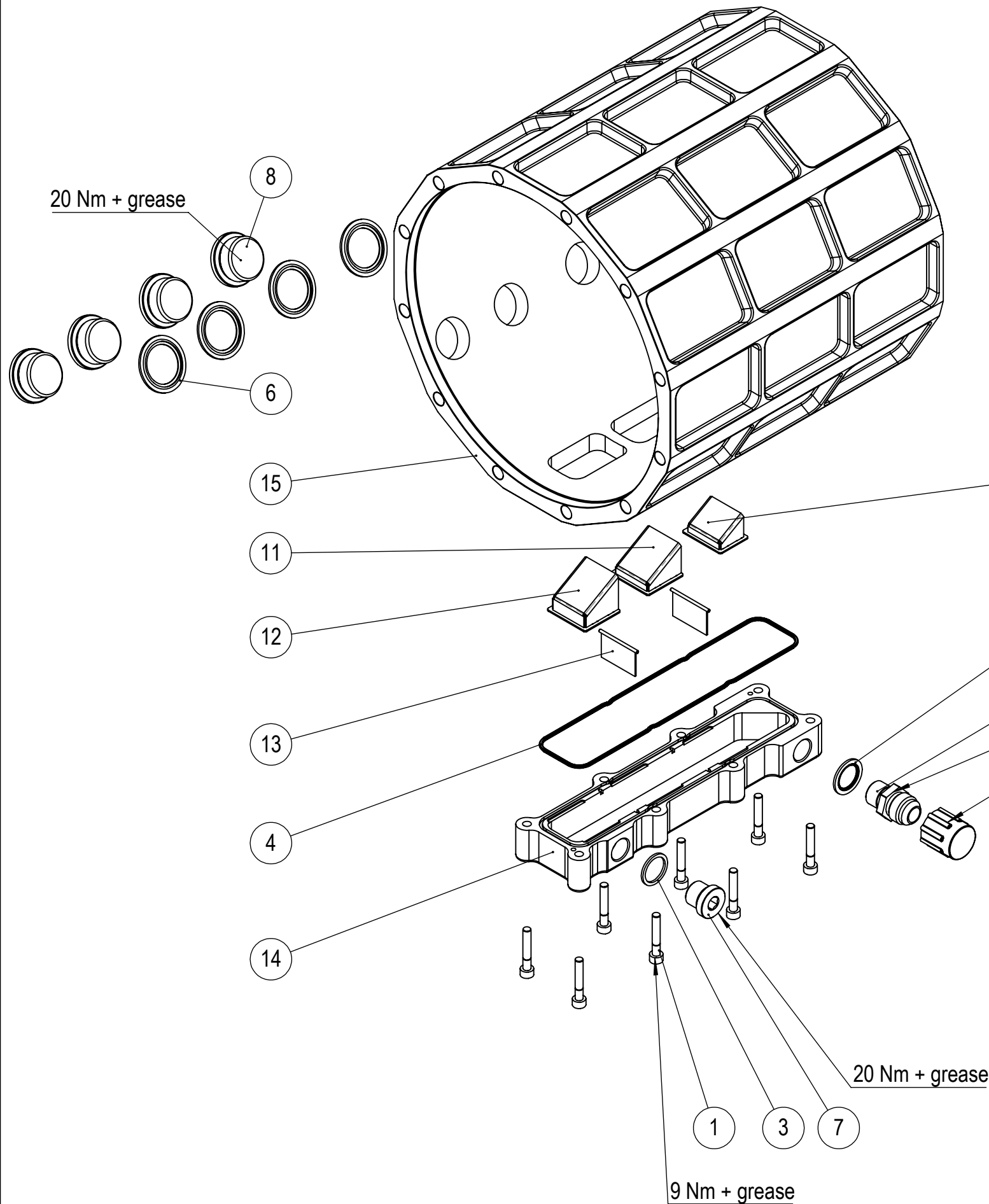
Item	Qty.	Part No.	Description	Note					
1	1	57090600	Housing RD 6-Speed						
2	1	A5600046	RD906 with oil sump						
3	1	57092800	Housing RD 6-Speed, With inspection plugs						
Material		Proj	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise		
Approved and released by		J.Thide	2025-05-26	Beskrivning					
Checked by		J.Gustavson	2025-05-26	Description					
Drawn by		J.Thide	2019-05-27	RD 906 housing options					
Designed by		J.Thide	2019-05-27	Sheet		Part and drawing number		Category	Revision
				1/1		A5700043			A

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



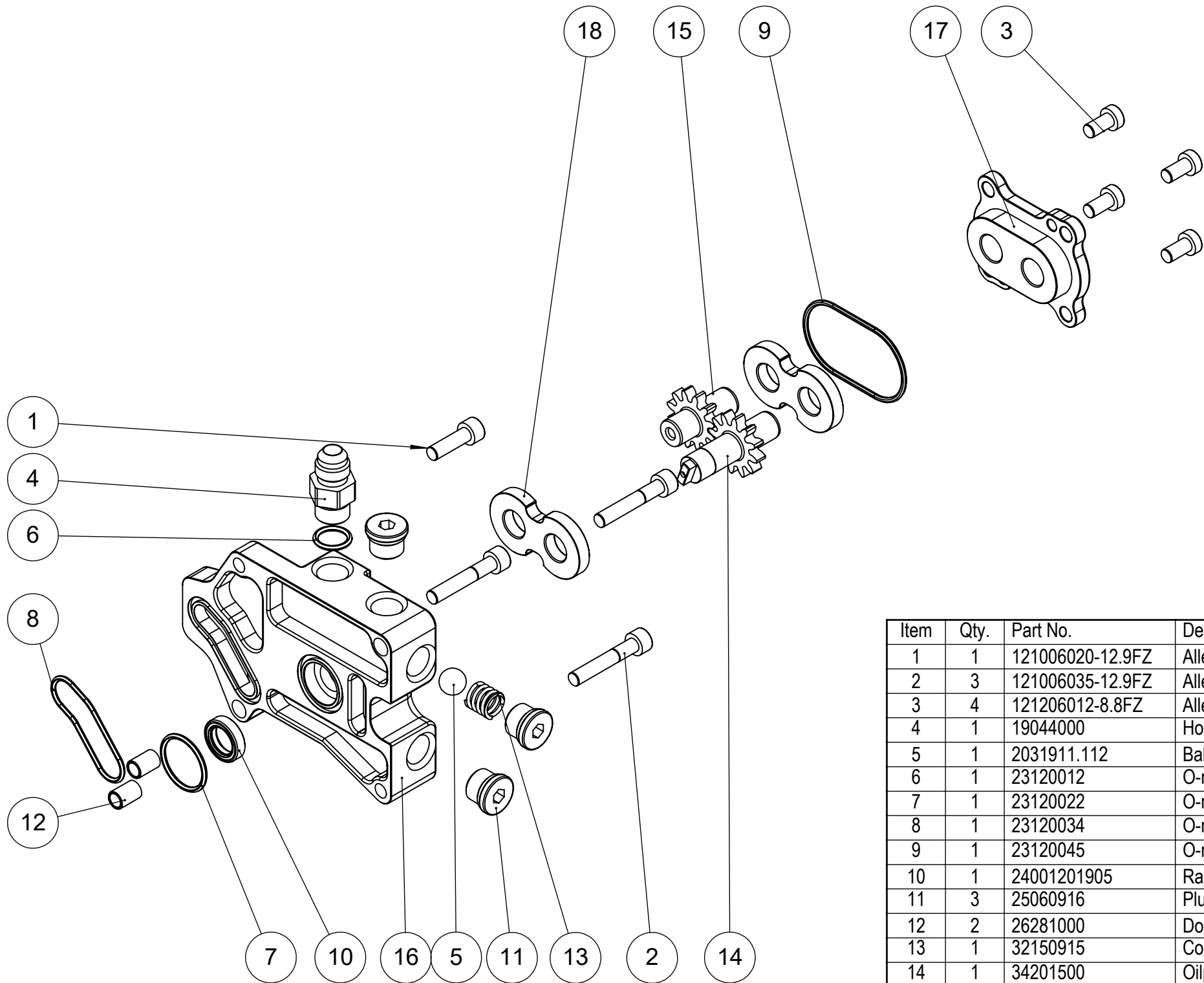
Rear Mount options		
Item	Part No.	Description
9	43261101	Rear mount RD90 complete
9	43261111	Rear Mount RD90 Complete U.A.E

Item	Qty.	Part No.	Description	Note
1	10	120812508	K-Nut M8	
2	1	121008055-12.9FZ	Allen screw DIN912 M8 x 55 12.9Z	
3	2	14080100	Stud, M8, L=66	
4	3	14080200	Stud, M8, L=115	
5	5	14080400	Stud, M8, L=68	
6	1	16022500	Rear mount spacer RD90	
7	5	22110810	Support ring SS DIN988 8 x 14 x 1,2	
8	1	25060020	Plug M20 x 1.5 ED with flange	
9	2	See rear Mount Options	Rear Mount Complete	
10	1	See RD 906 housing options	Housing RD 6-Speed	
Material		Description RD906 Housing assembly		
Geometric Tolerance		Sheet 1/1	Mass in Gram	Dim.in mm
TRACTIVE		Date 2018-01-05	Proj	Note
		Drawn by JT	Designed by JT	Scale 1:3
Part Number A5700015				Revision A



Rev.	Note	Date	Rev. By	Appr. By
A	Approved from Prototype	2021-12-03	JT	JT

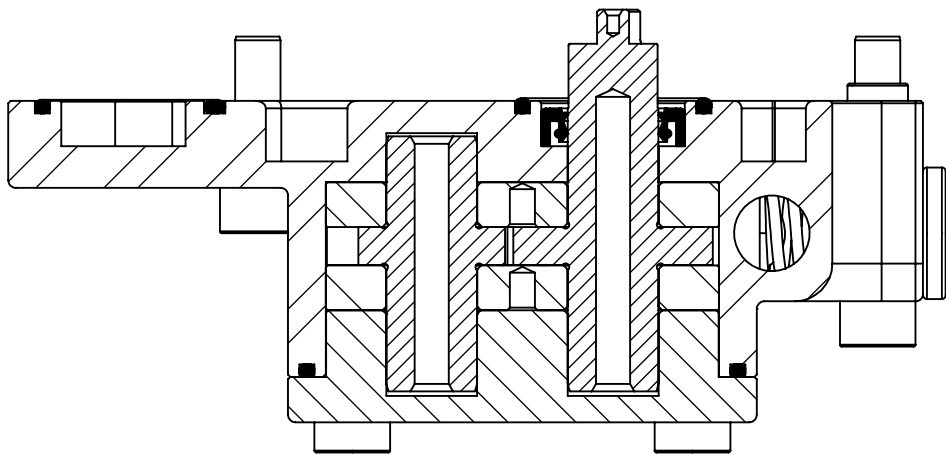
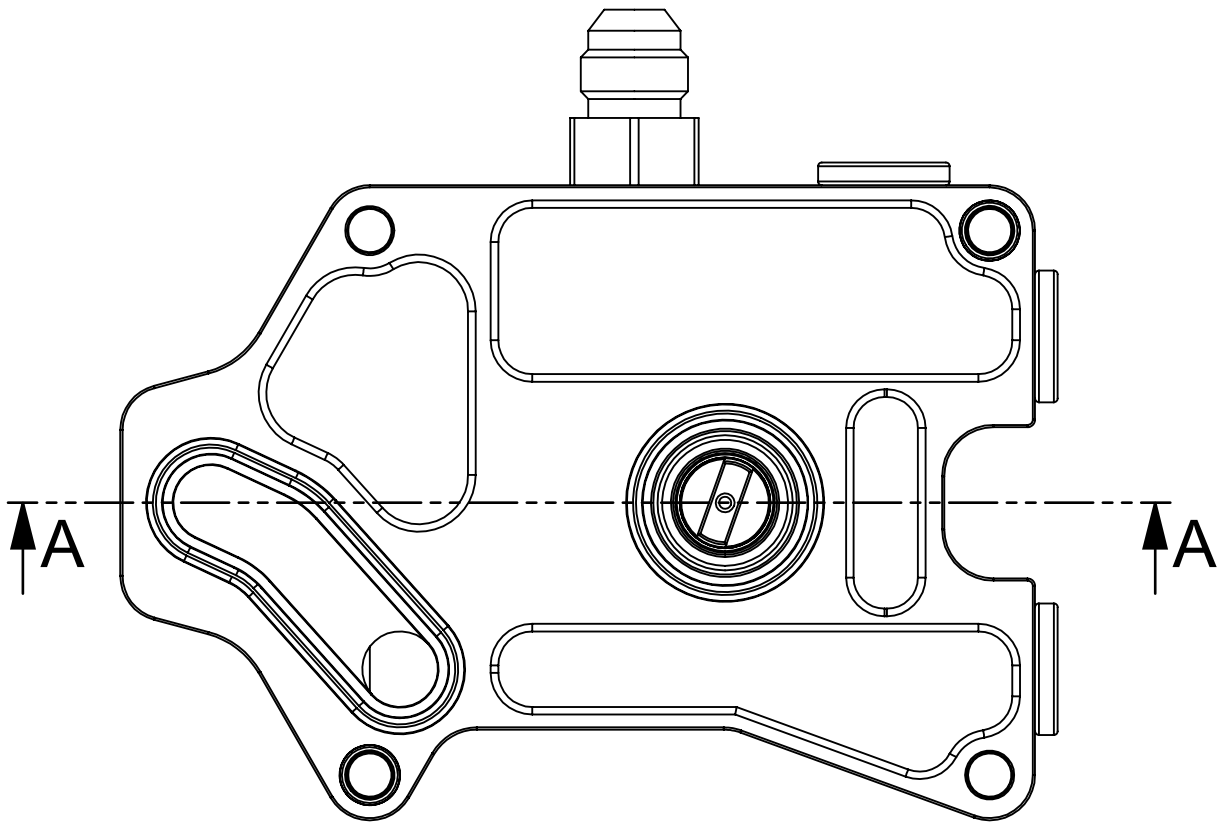
Item	Qty.	Part No.	Description	Note
1	8	121005030-8.8FZ	Allen screw DIN912 M5 x 30 8.8FZ	
2	1	19231300	Adapter M16x1.5 - 3/4 JIC	
3	1	22130016	Support ring	M16RR
4	1	23120144	O-ring 144 x 2 NBR 70	
5	1	23216724	Dowty washer, 16.7 x 24 x 1.5 M16	
6	4	23228636	Dowty washer 28,6 x 36 x 2	
7	1	25051516	Plug VST116X1.5ORCF	
8	4	25090400	Inspektionsslugg R236	Inspektionsslugg R236
9	1	25140800	Plastic cover UNF 3/4"	
10	1	43262501	Baffle scoop complete	Gear 1 2
11	1	43262701	Baffle scoop complete	Gear 3 4
12	1	43262801	Baffle scoop complete	Gear 5 6
13	2	43262900	Baffle plate	
14	1	56063200	Oil sump RD906	
15	1	57092000	Housing RD 6-Speed	With oil sump
Material			Description RD906 with oil sump	
Geometric Tolerance		Sheet 1/1	Mass in Gram 3912	Dim.in mm
TRACTIVE		Date 2018-03-28	Proj	Part Number A5600046
		Drawn by JT	Designed by JT	Scale 1:3
			Revision A	



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

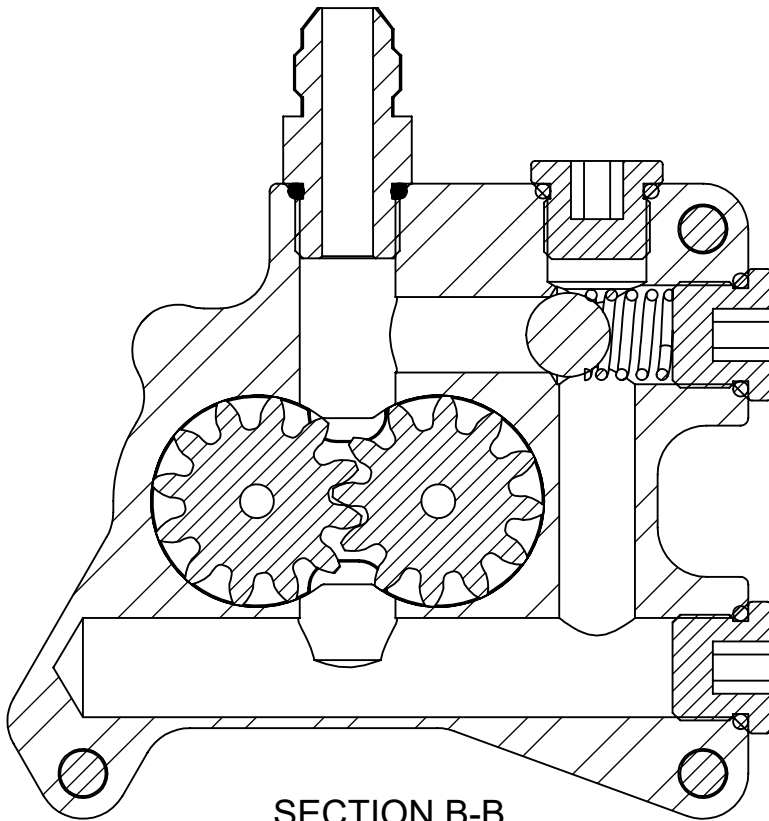
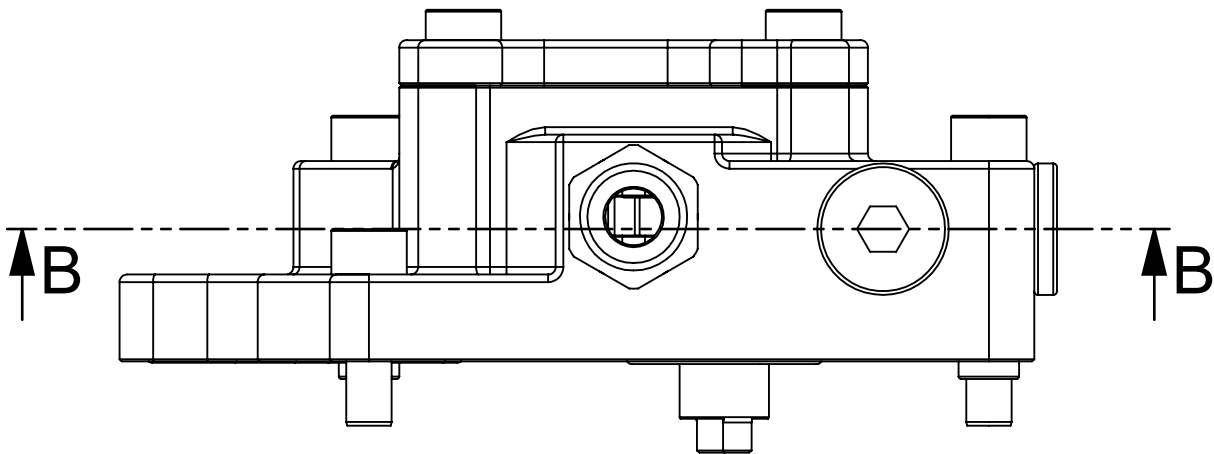
Item	Qty.	Part No.	Description	Note
1	1	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z	
2	3	121006035-12.9FZ	Allen screw DIN912 M6 x 35 12.9Z	
3	4	121206012-8.8FZ	Allen Screw DIN7984 M6 x 12 8.8Z	
4	1	19044000	Hose fitting 9/16-18 - AN6	
5	1	2031911.112	Ball RB 11.112 RS	
6	1	23120012	O-ring 12 x 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			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	636			
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		Gjutargatan 54 S-781 70 Borlänge - Sweden		1/2	57440301		A



SECTION A-A

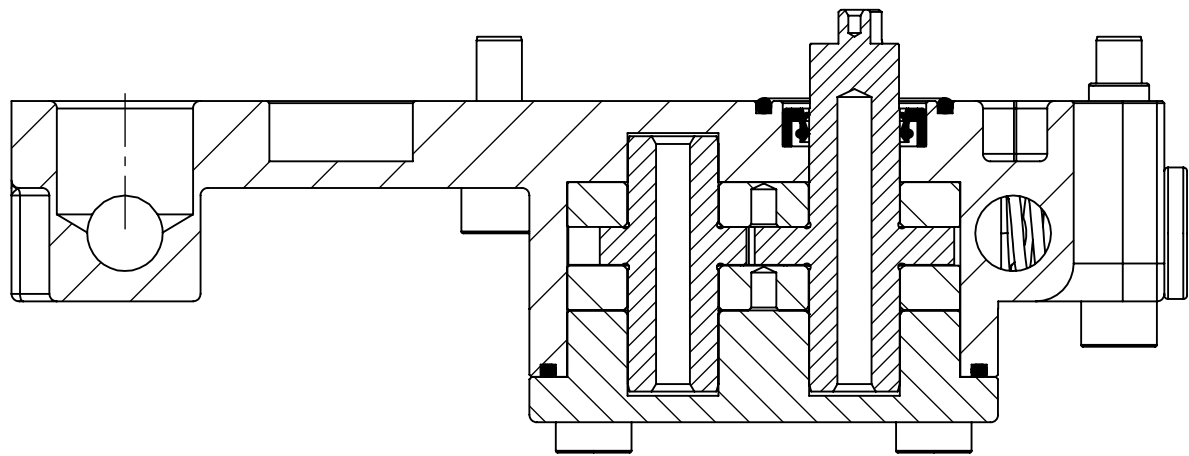
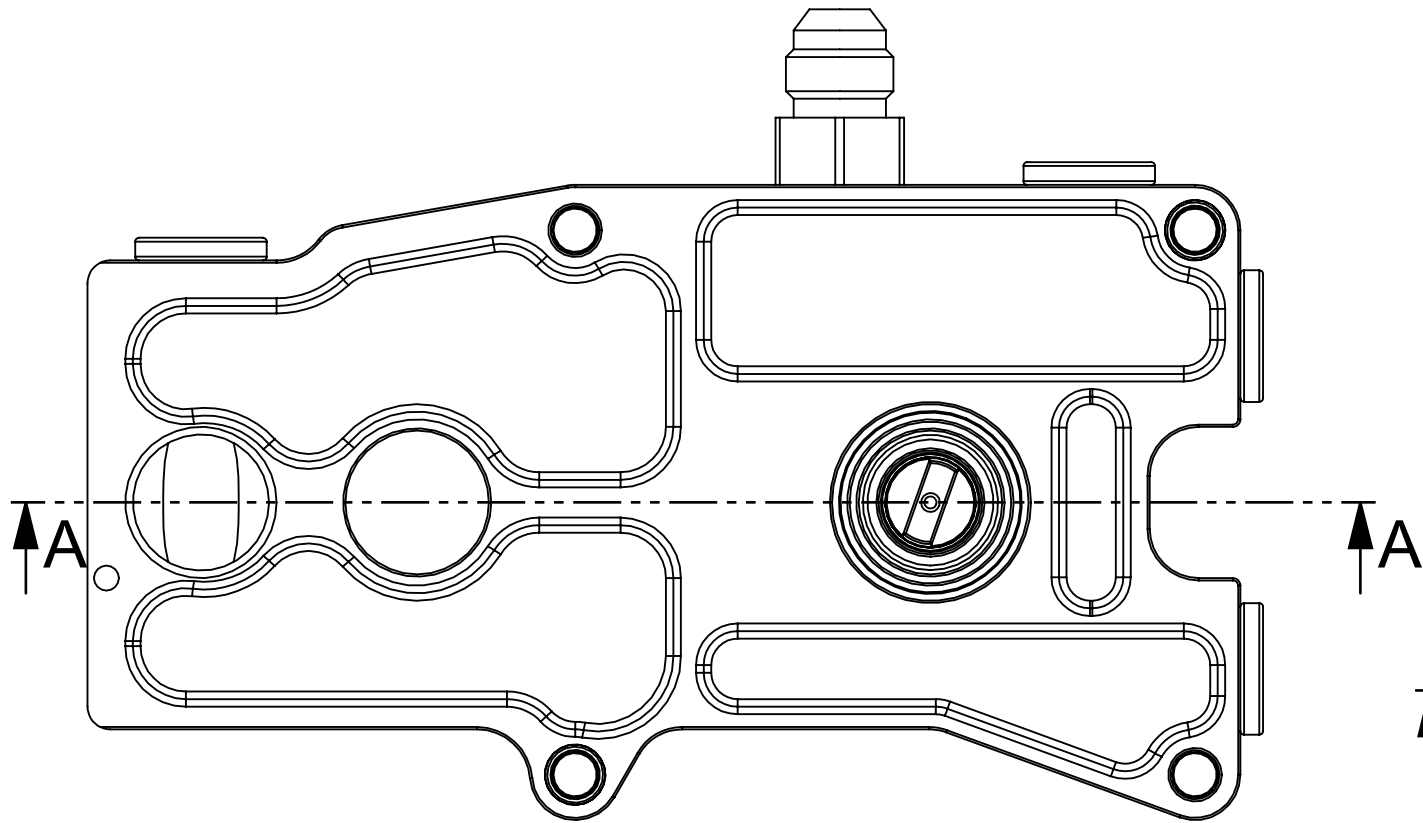
Rev.	Note	Date	Rev. By	Appr. By
A	Updated after migration	2022-07-13	JT	JT



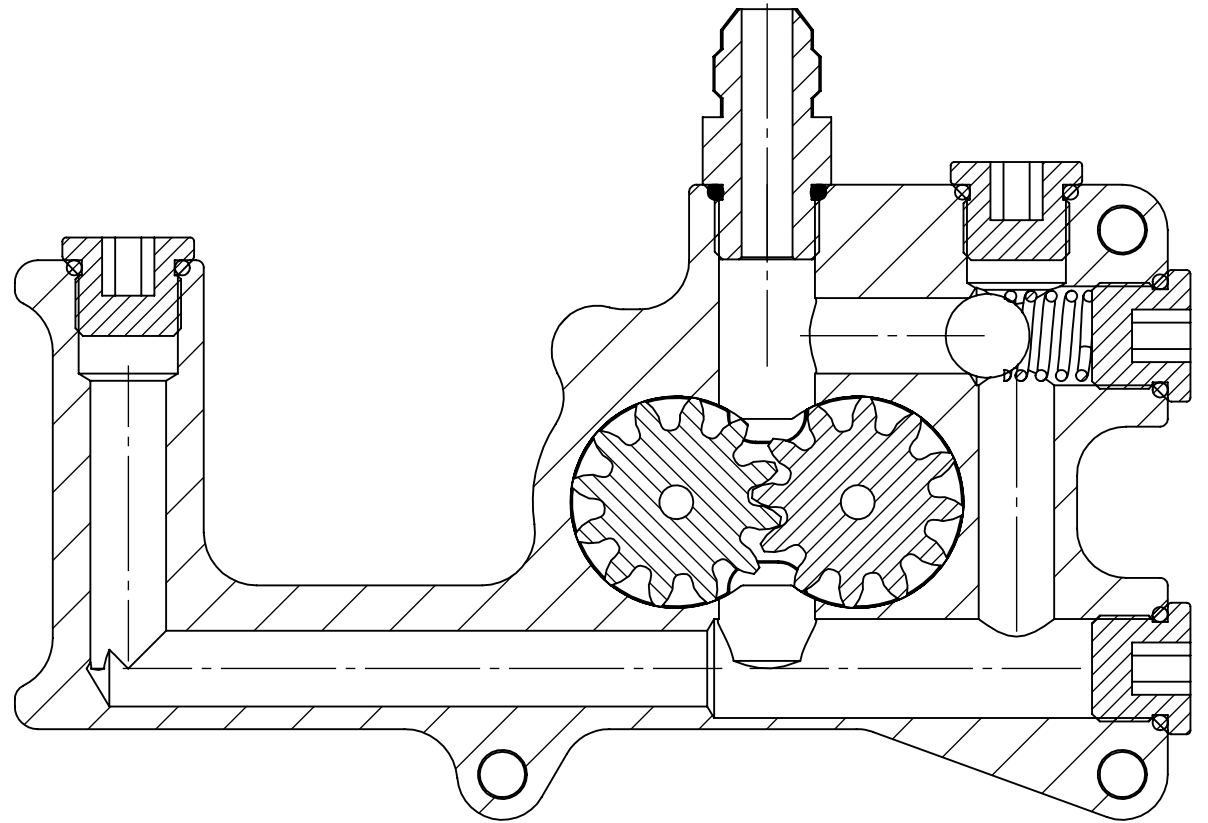
SECTION B-B

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	636					
Approved and released by	J.Thide	2022-07-13	Beskrivning								
Checked by	J.Thide	2022-07-13	Description								
			Oilpump assy								
Drawn by			<i>TRACTIVE</i>			Sheet	Part and drawing number		Category	Revision	
Designed by	JThide					2/2					57440301
			Gjutargatan 54 S-781 70 Borlänge - Sweden						A		

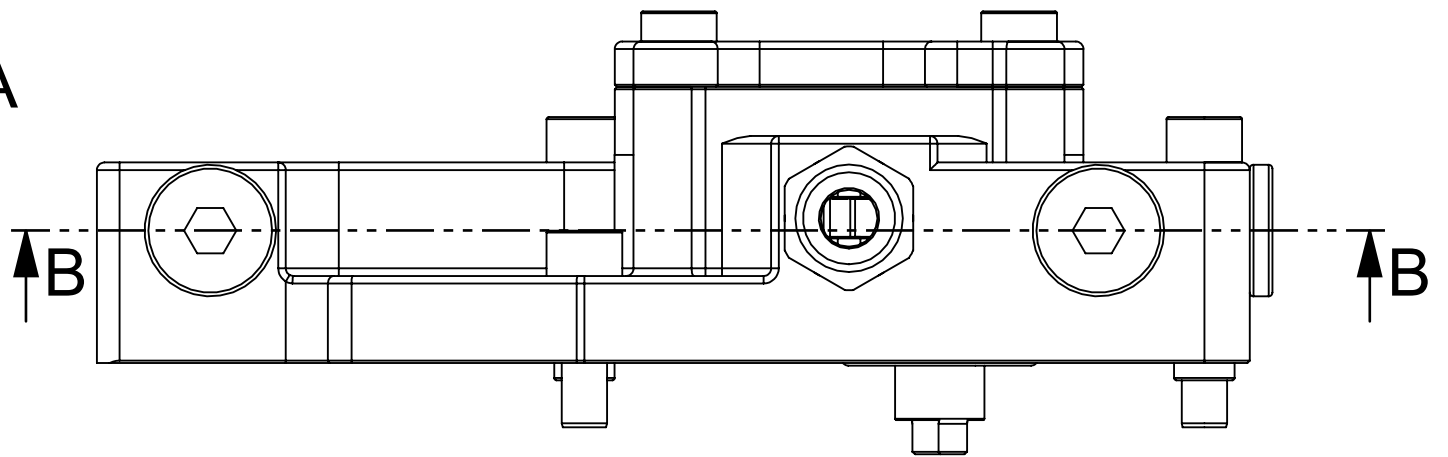
Material			Proj 	Scale 1:2	Units mm / g	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	J.Thide	2025-07-01	Beskrivning						
Checked by	J.Gustavson	2025-05-28	Description Oilpump assy						
Drawn by	J.Thide		<i>TRACTIVE</i>		Sheet 1/2	Part and drawing number 57440601		Category	Revision A
Designed by	J.Thide	2025-04-04			Gjutargatan 54 S-781 70 Borlänge - Sweden				



SECTION A-A



SECTION B-B

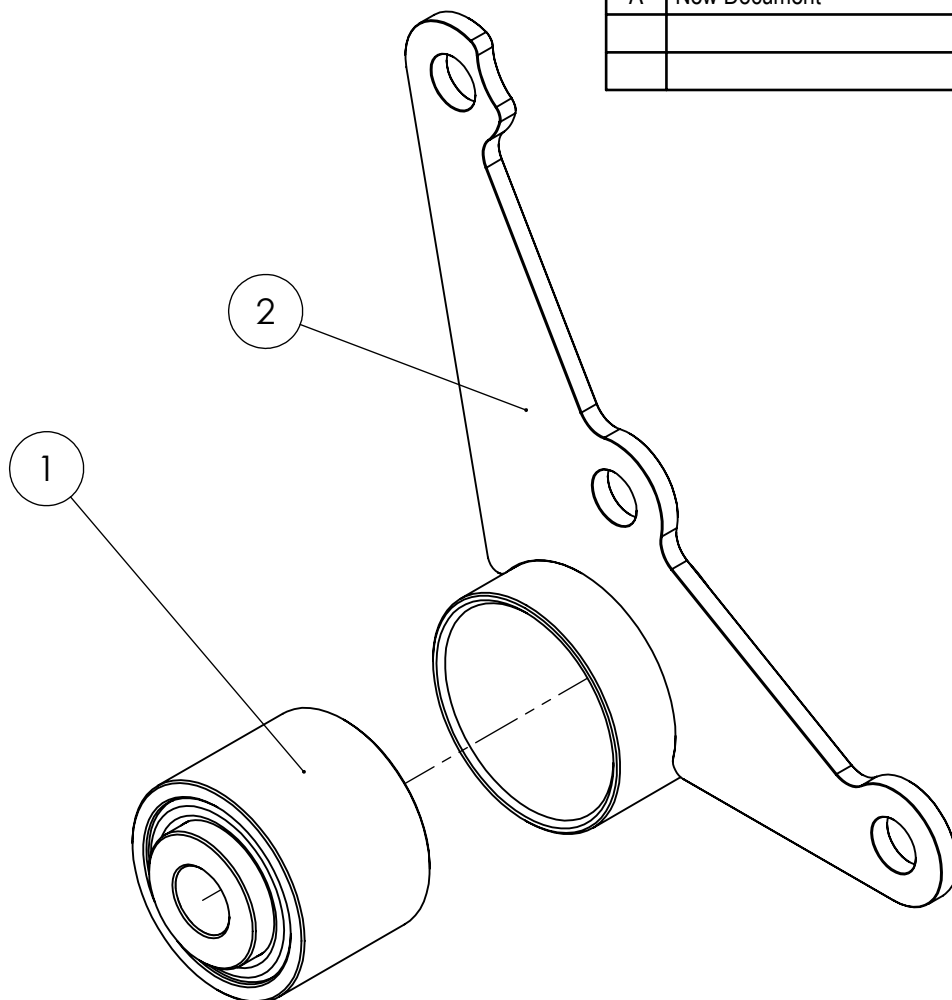


Material			Proj 	Scale 1:1	Units mm / g	Mass, gram	Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	J.Thide	2025-07-01	Beskrivning							
Checked by	J.Gustavson	2025-05-28	Description Oilpump assy							
Drawn by	J.Thide		<i>TRACTIVE</i>		Sheet 2/2	Part and drawing number 57440601			Category	Revision A
Designed by	J.Thide	2025-04-04	Gjutargatan 54 S-781 70 Borlänge - Sweden							

Approved

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

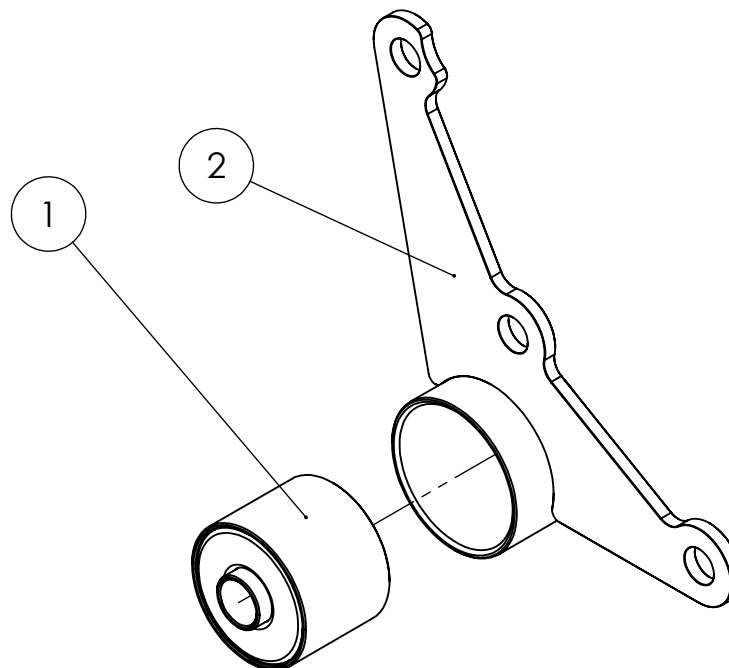
**If you have old style bracket with 35mm bushing,
you need a sleeve 26340700 to go with your bushing**



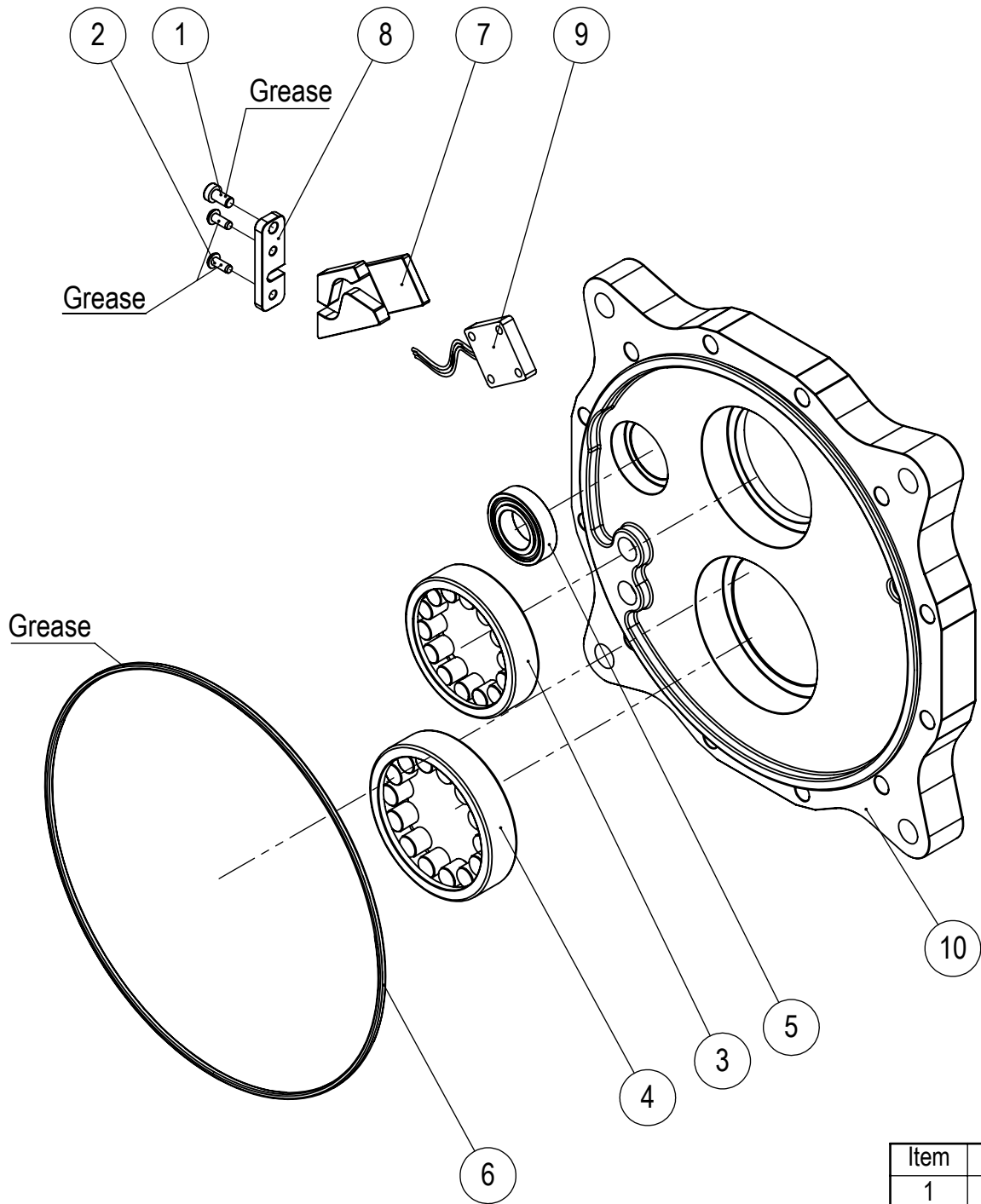
ITEM NO.	PART/ASSY NUMBER	DESCRIPTION			QTY.
1	33270200	Bushing 32mm			1
2	43261100	Bracket Rear, RD90			1
Material		Description Rear Mount Complete			
Geometric Tolerance		Sheet 1/1	Mass in Gram 241	Dim.in mm	Note
TRACTIVE		Date 2017-11-15	Proj	Part Number 43261101	
		Drawn by JT	Designed by JT	Scale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

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-02-17	JG	JG

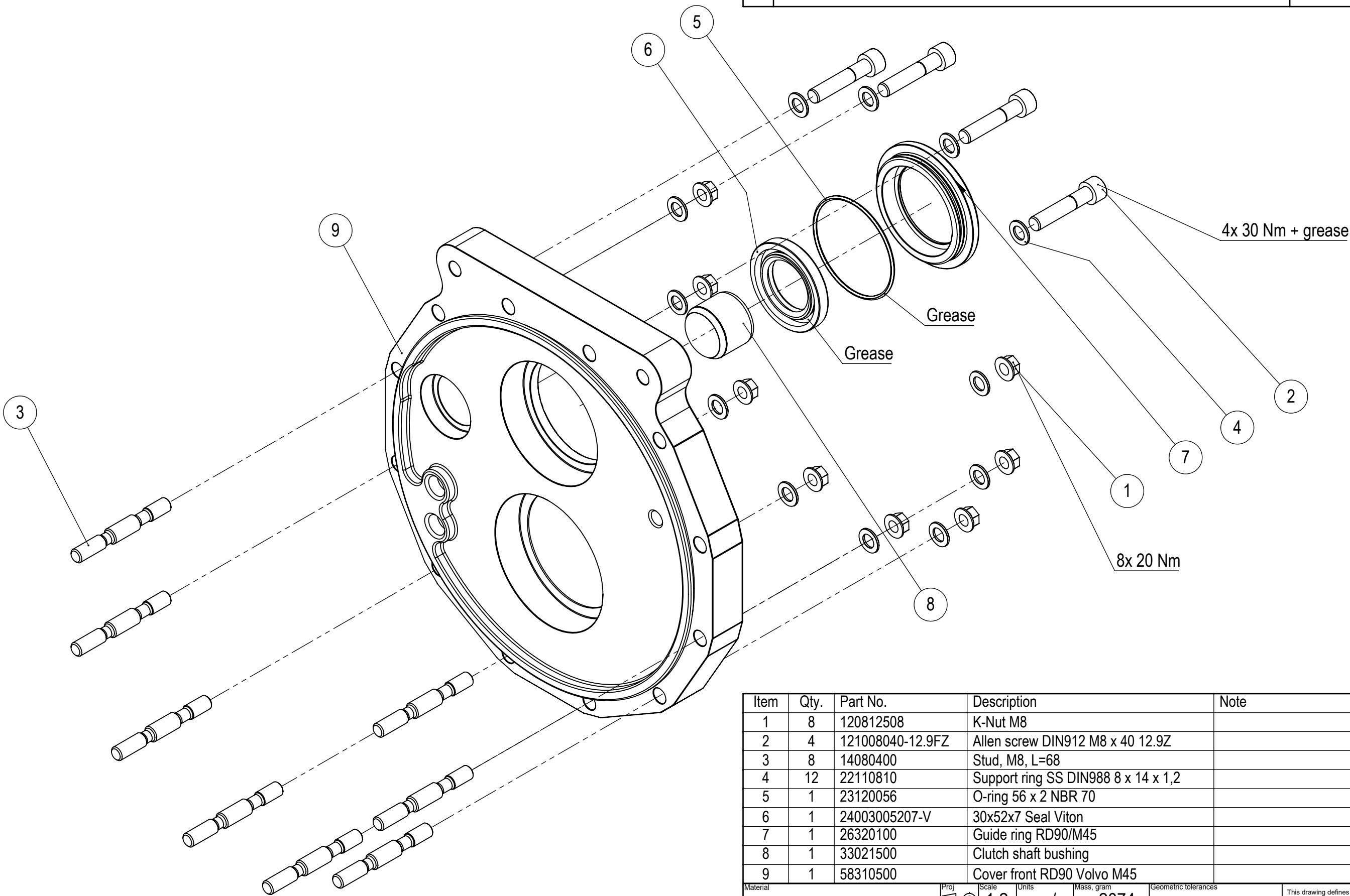


Item	Qty.	Part No.	Description				Note		
1	1	33270300	Bushing 32mm U.A.E						
2	1	43261110	Bracket Rear U.A.E, RD90						
Material			Proj	Scale	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
				1:1.5	mm / g				
Approved and released by	J.Gustavson	2025-02-17	Beskrivning						
Checked by	J.Gustavson	2025-02-17	Description						
			Bakre fäste RD90 komplett U.A.E						
			Rear Mount Complete U.A.E						
Drawn by	J.Thide	2017-11-15			Sheet	Drawing number		Category	Revision
Designed by	J.Thide	2023-06-14			1/1	43261111		T	A
			Gjutargatan 54 S-781 70 Borlänge - Sweden						



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-02	JH	JH

Item	Qty.	Part No.	Description	Note
1	1	121205010-8.8FZ	Allen Screw, DIN7984 M5 x 10 8.8Z	Low head
2	2	121304010-8.8A2	Allen Screw, DIN7380, M4x10 A2	
3	1	20150207	Cylindric Roller Bearing NJ 207 ECP	
4	1	20150208	Cylindric roller bearing, NJ 208 ECP	
5	1	207661904	Roller Bearing 61904-2RZ	
6	1	23130210	O-ring 3 x 210 NBR70	
7	1	43200200	Sensorholder RD	
8	1	43200300	Cover for sensorholder RD	
9	1	64421400	Rotary sensor	
10	1	See front plate options	Front end plate	
Material			Description	
			Front plate common parts assembly	
Geometric Tolerance		Sheet	Mass in Gram	Dim.in mm
		1/1	2411	
		Date	Proj	Note
		2018-01-02		
		Drawn by	Designed by	Part Number
		JT	JT	A5800033
			Scale	Revision
			1:3	A



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

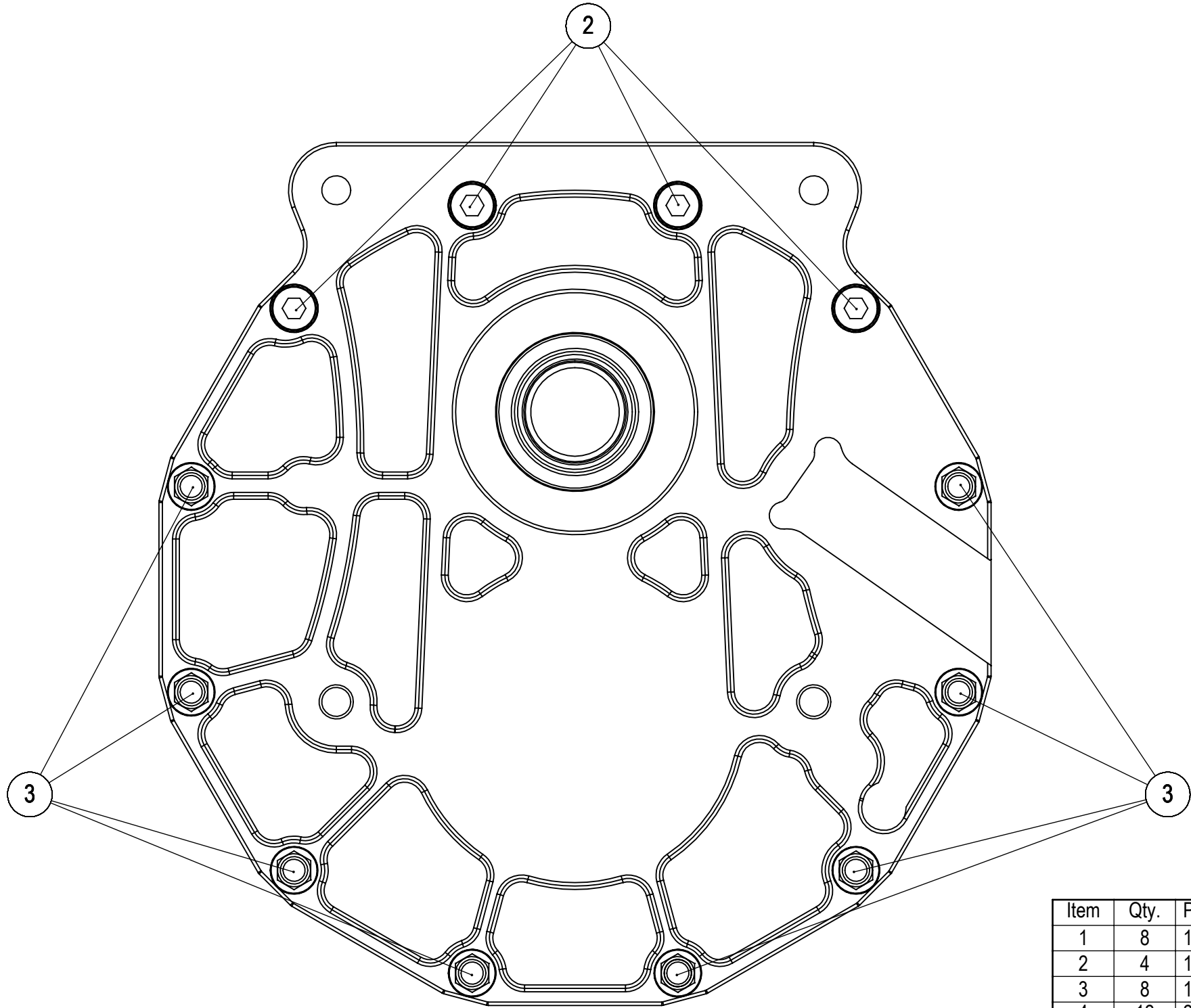
Item	Qty.	Part No.	Description	Note
1	8	120812508	K-Nut M8	
2	4	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
3	8	14080400	Stud, M8, L=68	
4	12	22110810	Support ring SS DIN988 8 x 14 x 1,2	
5	1	23120056	O-ring 56 x 2 NBR 70	
6	1	24003005207-V	30x52x7 Seal Viton	
7	1	26320100	Guide ring RD90/M45	
8	1	33021500	Clutch shaft bushing	
9	1	58310500	Cover front RD90 Volvo M45	
Material			ProjScale1:2Unitsmm / gMass, gram2074Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by			Beskrivning	
Checked byJ.Gustavson2025-06-05			Description	
Drawn byJ.Thide2019-05-16			Sheet1/2Part and drawing number58310501CategoryRevisionA	
Designed byJThide			Gjutargatan 54 S-781 70 Borlänge - Sweden	

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Gjutargatan 54 S-781 70 Borlänge
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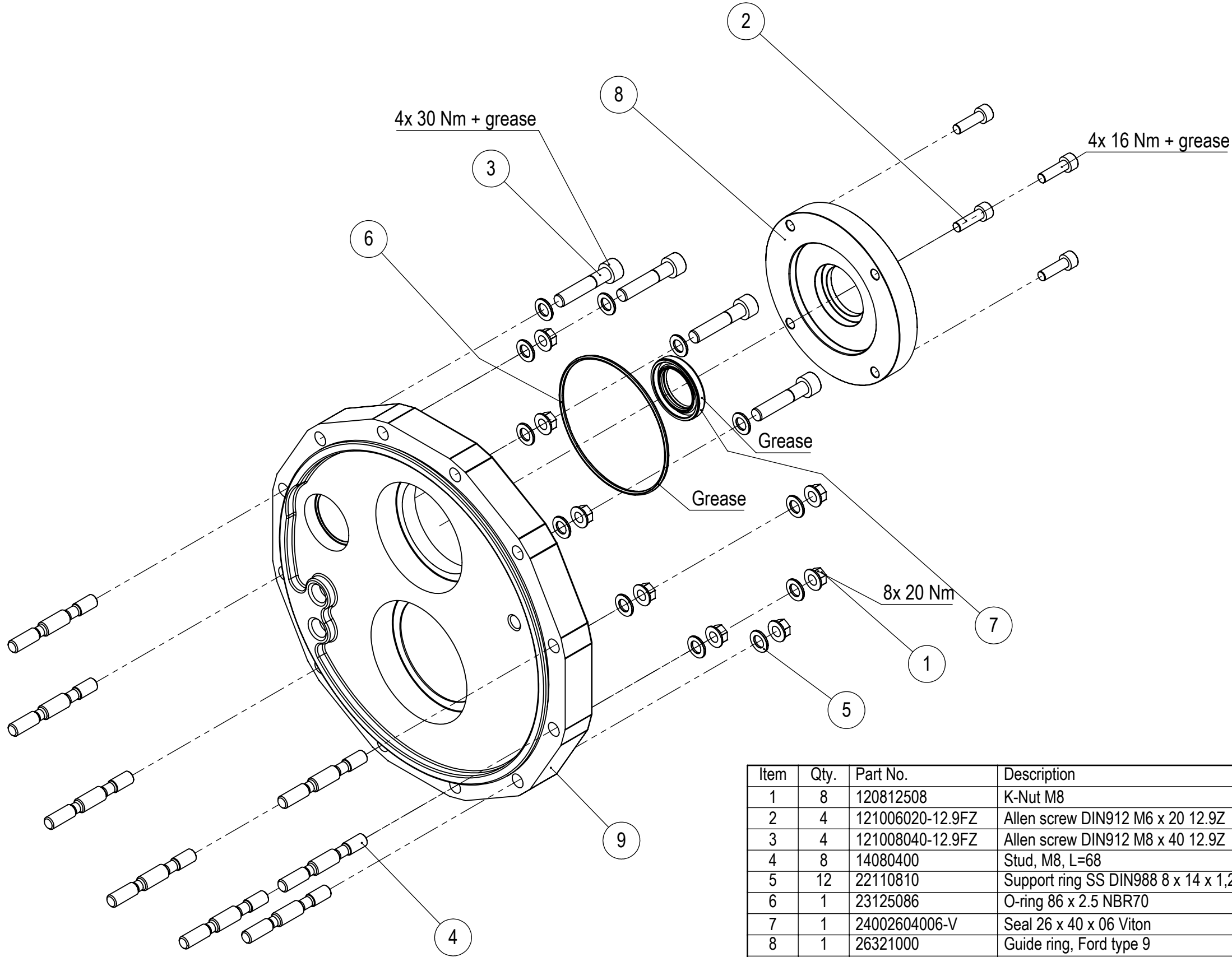
2025-07-01 Model: 58310501 Rev:

Approved



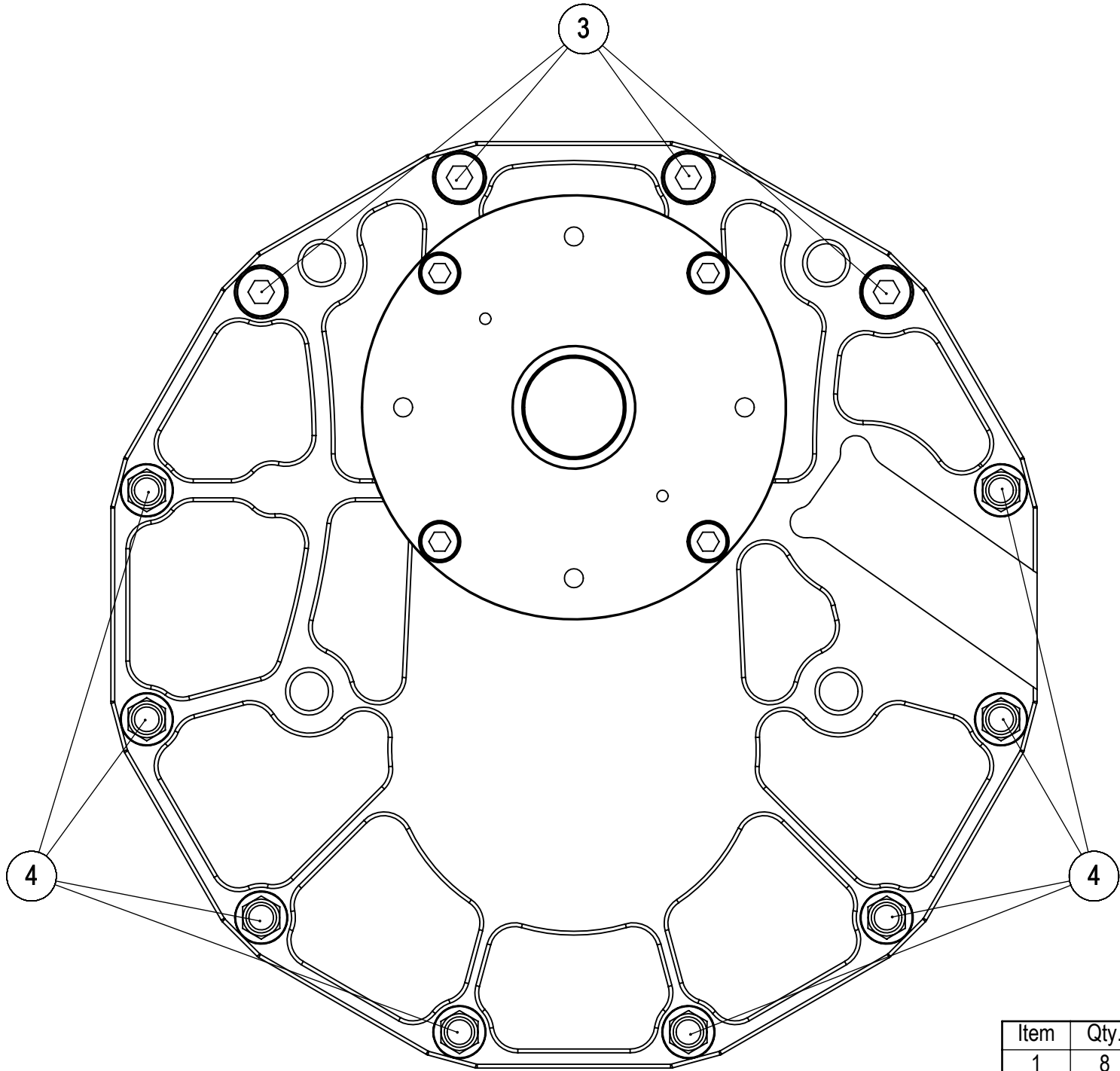
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-01	JT	JT

Item	Qty.	Part No.	Description	Note
1	8	120812508	K-Nut M8	
2	4	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
3	8	14080400	Stud, M8, L=68	
4	12	22110810	Support ring SS DIN988 8 x 14 x 1,2	
5	1	23120056	O-ring 56 x 2 NBR 70	
6	1	24003005207-V	30x52x7 Seal Viton	
7	1	26320100	Guide ring RD90/M45	
8	1	33021500	Clutch shaft bushing	
9	1	58310500	Cover front RD90 Volvo M45	
Material		Proj  Scale 1:1.5 Units mm / g Mass, gram 2074 Geometric tolerances		This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
Approved and released by		Beskrivning		
Checked by	J.Gustavson	2025-06-05	Description Front end plate assembly, Volvo M45 R	
Drawn by	J.Thide	2019-05-16	Sheet TRACTIVE Gjutargatan 54 S-781 70 Borlänge - Sweden	Part and drawing number 2/2 58310501
Designed by	JThide		Category	Revision A



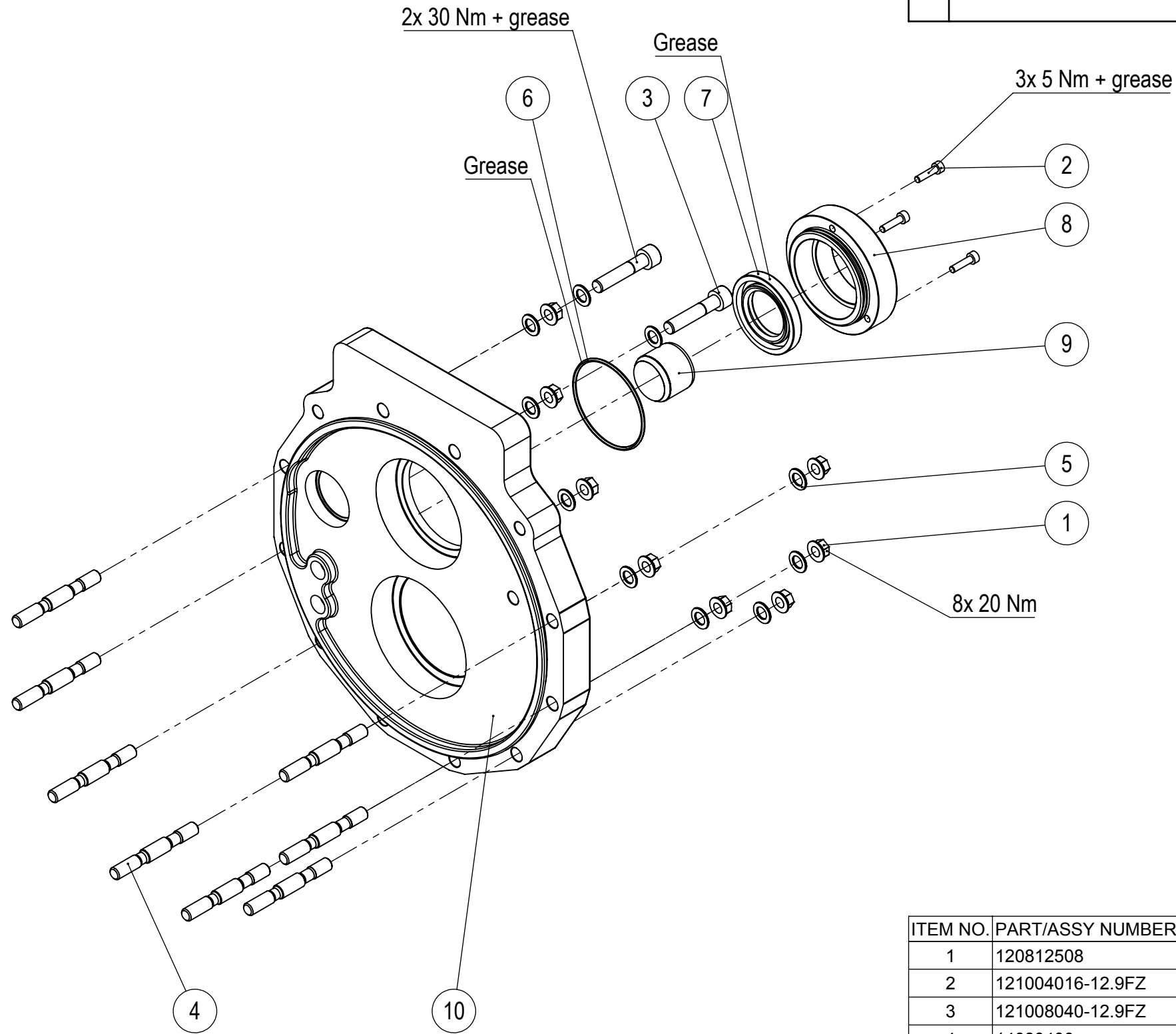
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-01	JT	JT

Item	Qty.	Part No.	Description	Note	
1	8	120812508	K-Nut M8		
2	4	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z		
3	4	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z		
4	8	14080400	Stud, M8, L=68		
5	12	22110810	Support ring SS DIN988 8 x 14 x 1,2		
6	1	23125086	O-ring 86 x 2.5 NBR70		
7	1	24002604006-V	Seal 26 x 40 x 06 Viton		
8	1	26321000	Guide ring, Ford type 9		
9	1	58310700	Front end plate, Ford RS2000 std		
Material			Proj  Scale 1:2.5 Units mm / g Mass, gram 2217 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by			Beskrivning		
Checked by J.Gustavson 2025-06-05			Description Ford front plate assembly, Ford RS2000		
Drawn by J.Thide 2019-05-16			 Sheet 1/2 Part and drawing number 58310701	Category	Revision
Designed by JThide					A
			Gjutargatan 54 S-781 70 Borlänge - Sweden		



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

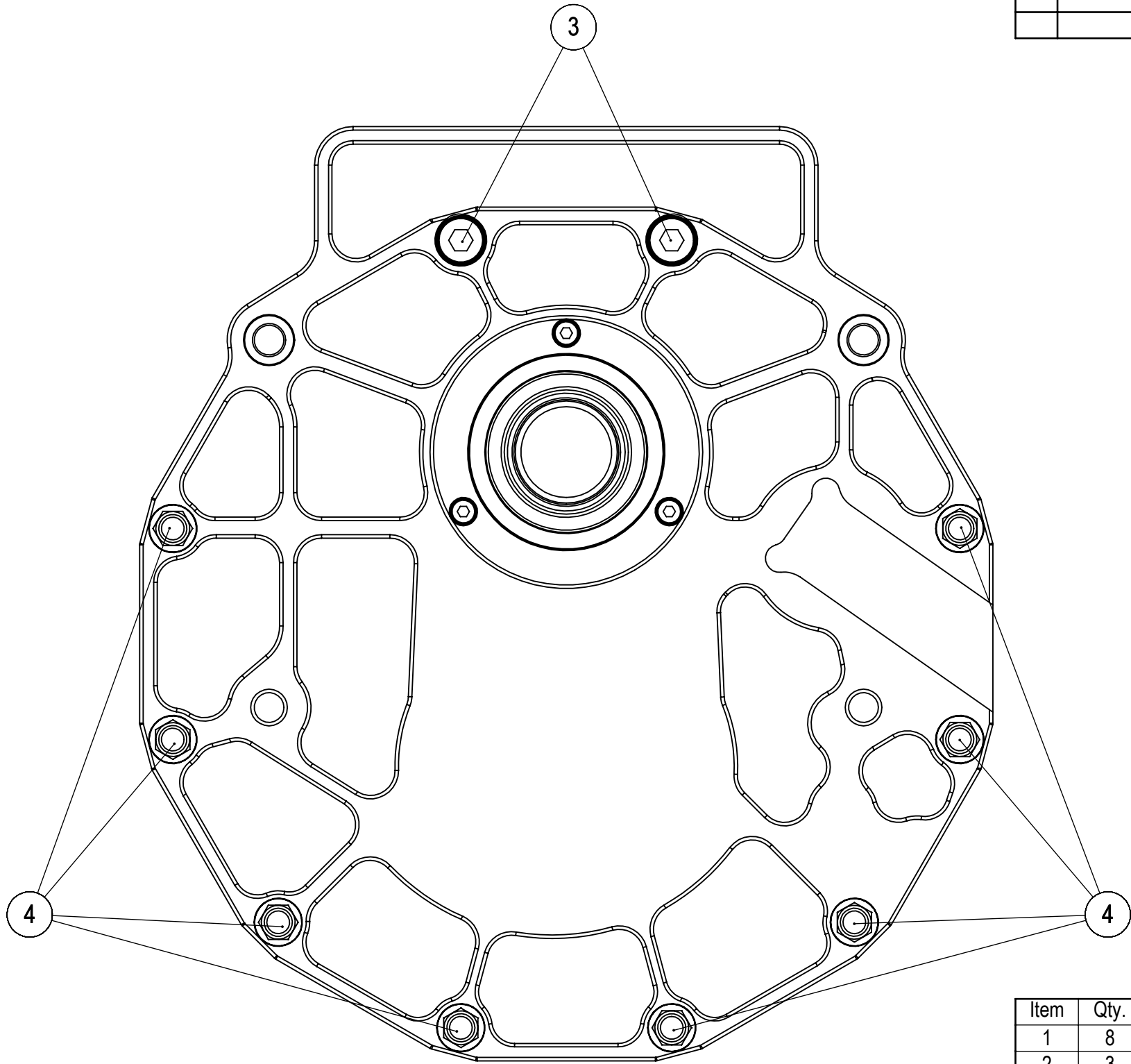
Item	Qty.	Part No.	Description	Note	
1	8	120812508	K-Nut M8		
2	4	121006020-12.9FZ	Allen screw DIN912 M6 x 20 12.9Z		
3	4	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z		
4	8	14080400	Stud, M8, L=68		
5	12	22110810	Support ring SS DIN988 8 x 14 x 1,2		
6	1	23125086	O-ring 86 x 2.5 NBR70		
7	1	24002604006-V	Seal 26 x 40 x 06 Viton		
8	1	26321000	Guide ring, Ford type 9		
9	1	58310700	Front end plate, Ford RS2000 std		
Material			Proj  Scale 1:1.5 Units mm / g Mass, gram 2217 Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by			Beskrivning		
Checked by J.Gustavson 2025-06-05			Description Ford front plate assembly, Ford RS2000		
Drawn by J.Thide 2019-05-16			 Sheet 2/2 Drawing number 58310701	Category	Revision
Designed by JThide					A
			Gjutargatan 54 S-781 70 Borlänge - Sweden		



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2017-11-29	JG	JG

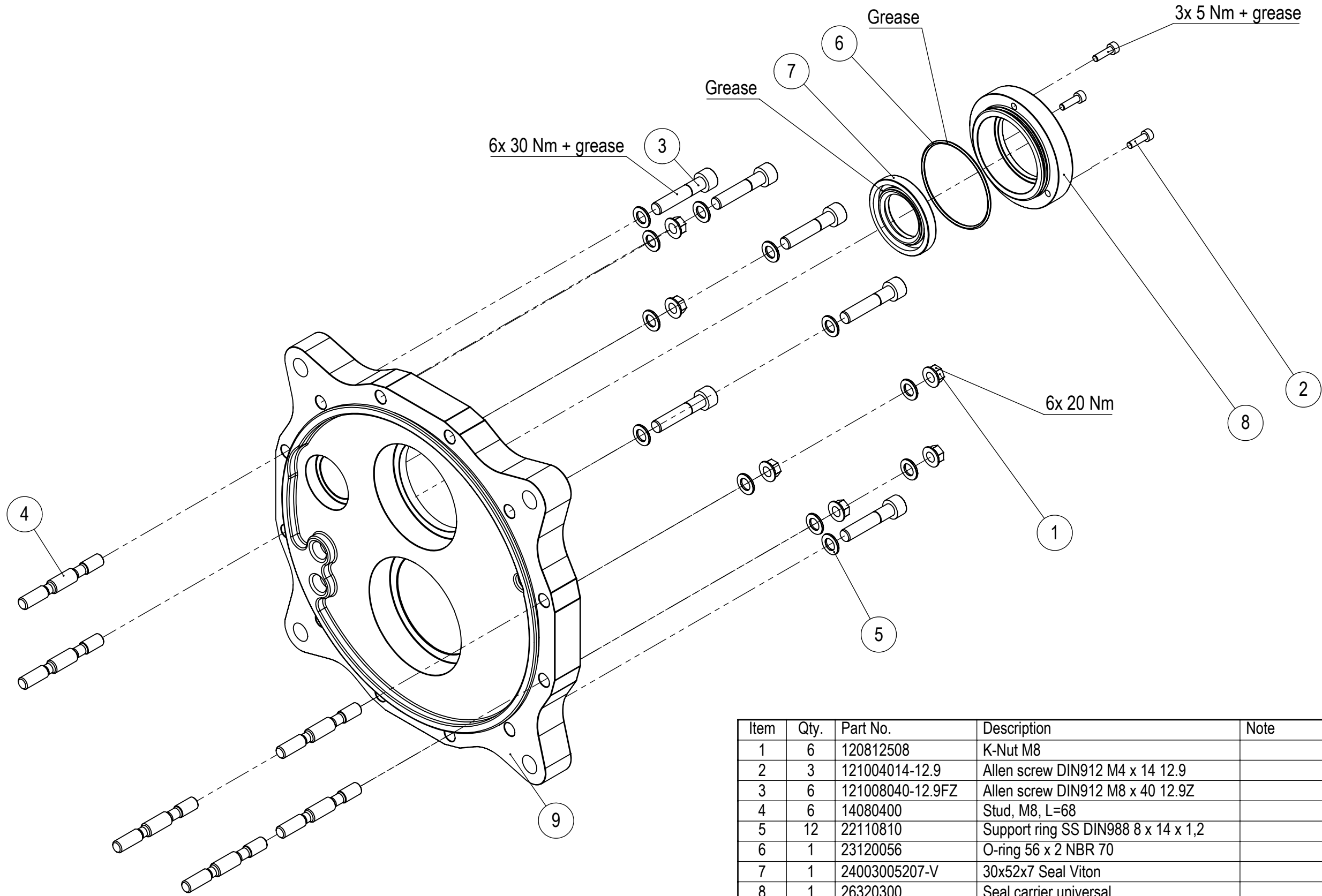
ITEM NO.	PART/ASSY NUMBER	DESCRIPTION	QTY.
1	120812508	K-Nut M8	8
2	121004016-12.9FZ	Allen screw DIN912 M4 x 16 12.9Z	3
3	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	2
4	14080400	Stud, M8, L=68	8
5	22110810	Support ring 8 x 14 x 1	10
6	23120056	O-ring 56 x 2 NBR 70	1
7	24003005207-V	30x52x7 Seal Viton	1
8	26320500	Guide Ring, RD-Getrag	1
9	33021500	Clutch shaft bushing	1
10	58312000	Front end plate	1

Material		Description Frontplate Assembled		
Geometric Tolerance		Sheet 1/2	Mass in Gram 2104	Dim.in mm 2017-11-28
		Drawn by JT	Designed by JT	Scale 1:3
		Description 2 BMW S14		Part Number 58312001
				Revision A



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2017-11-29	JG	JG

Item	Qty.	Part No.	Description	Note
1	8	120812508	K-Nut M8	
2	3	121004016-12.9FZ	Allen screw DIN912 M4 x 16 12.9Z	
3	2	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
4	8	14080400	Stud, M8, L=68	
5	10	22110810	Support ring 8 x 14 x 1	
6	1	23120056	O-ring 56 x 2 NBR 70	
7	1	24003005207-V	30x52x7 Seal Viton	
8	1	26320500	Guide Ring, RD-Getrag	
9	1	33021500	Clutch shaft bushing	
10	1	58312000	Front end plate	Ford BMW, Getrag R
Material			Description Frontplate Assembled	
Geometric Tolerance		Sheet 2/2	Mass in Gram 2104	Dim.in mm
TRACTIVE		Date 2017-11-28	Proj	Note BMW S14
		Drawn by JT	Designed by JT	Scale 1:1.5
				Part Number 58312001
				Revision A



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

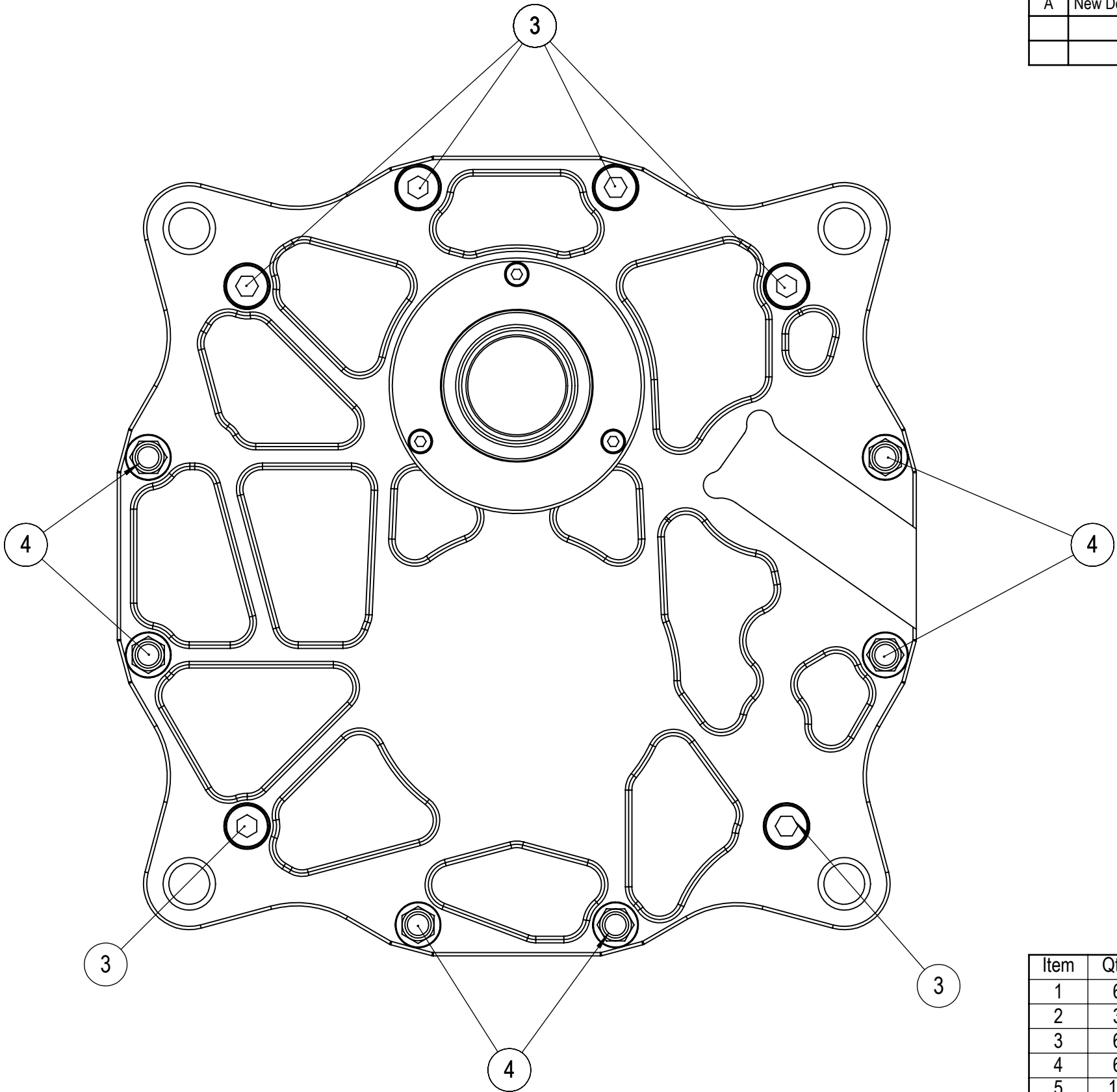
Item	Qty.	Part No.	Description	Note						
1	6	120812508	K-Nut M8							
2	3	121004014-12.9	Allen screw DIN912 M4 x 14 12.9							
3	6	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z							
4	6	14080400	Stud, M8, L=68							
5	12	22110810	Support ring SS DIN988 8 x 14 x 1,2							
6	1	23120056	O-ring 56 x 2 NBR 70							
7	1	24003005207-V	30x52x7 Seal Viton							
8	1	26320300	Seal carrier universal							
9	1	58313300	Front end plate, Quick Change, RD							
Material			Proj 	Scale 1:2.5	Units mm / g	Mass, gram 2223	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 2019-05-16			Front Cover 58313300 Universal							
Designed by JThide			 Gjutargatan 54 S-781 70 Borlänge - Sweden			Sheet 1/2	Part and drawing number 58313301		Category	Revision A

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2025-07-01 Model: 58313301 Rev: A

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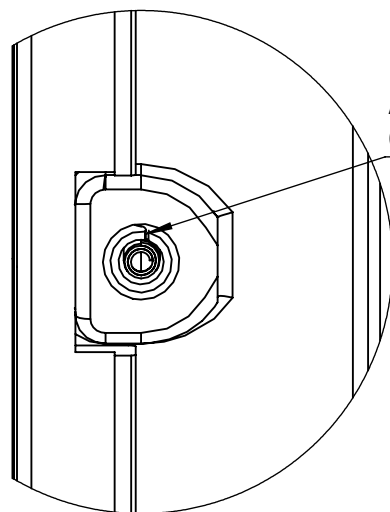
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-01	JT	JT

Item	Qty.	Part No.	Description	Note
1	6	120812508	K-Nut M8	
2	3	121004014-12.9	Allen screw DIN912 M4 x 14 12.9	
3	6	121008040-12.9FZ	Allen screw DIN912 M8 x 40 12.9Z	
4	6	14080400	Stud, M8, L=68	
5	12	22110810	Support ring SS DIN988 8 x 14 x 1,2	
6	1	23120056	O-ring 56 x 2 NBR 70	
7	1	24003005207-V	30x52x7 Seal Viton	
8	1	26320300	Seal carrier universal	
9	1	58313300	Front end plate, Quick Change, RD	
Material			Proj  Scale 1:1.5 Units mm / g Mass, gram 2223 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 Front Cover 58313300 Universal	
Drawn by J.Thide 2019-05-16			Sheet 2/2 Part and drawing number 58313301	
Designed by JThide			Category Revision A	
			Gjutargatan 54 S-781 70 Borlänge - Sweden	

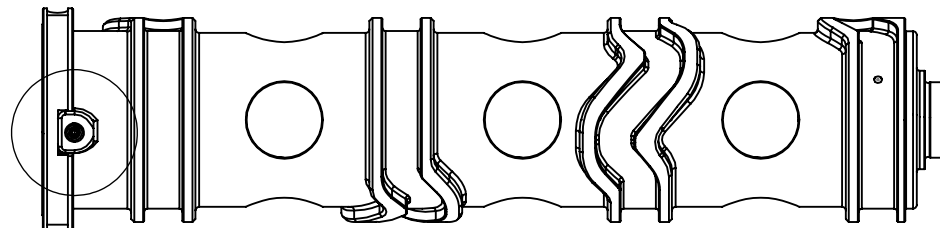
Item	Qty.	Part No.	Description	Note
1	2	17502514	Roll Pin 2.5 x 14	
2	2	17525160	Pin Connex 5 x 16	
3	2	23120010	O-ring 10 x 2 NBR 70	
4	1	34211000	End cap RD with ext. magnet	
5	1	39120300	Magnet holder solid state sensor	
6	1	59160200	Detent ring, 6-speed	
7	1	59190500	Selector barrel, 6-speed, 17mm	
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	

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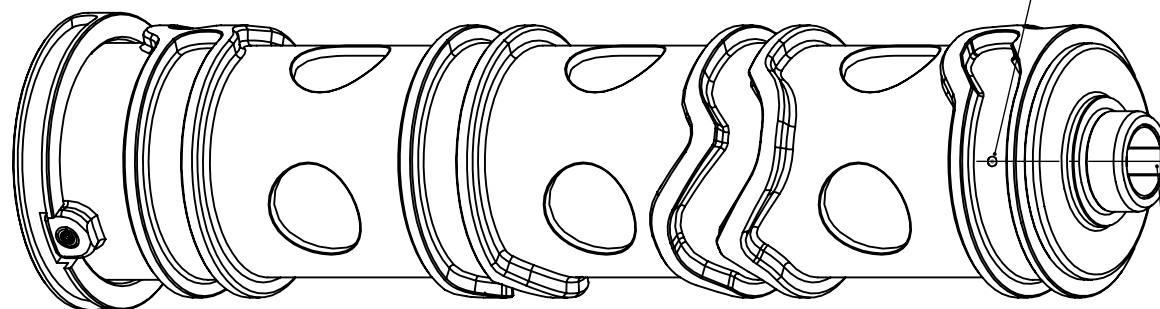
Rev.	Note	Date	Rev. By	Appr. By
B	Changed roll pin 17505120 to Connex pin 17525160 + roll pin 17502514 and Loctite	2025-05-26	JT	JG
A	New Document	2018-01-09	JG	JG



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								

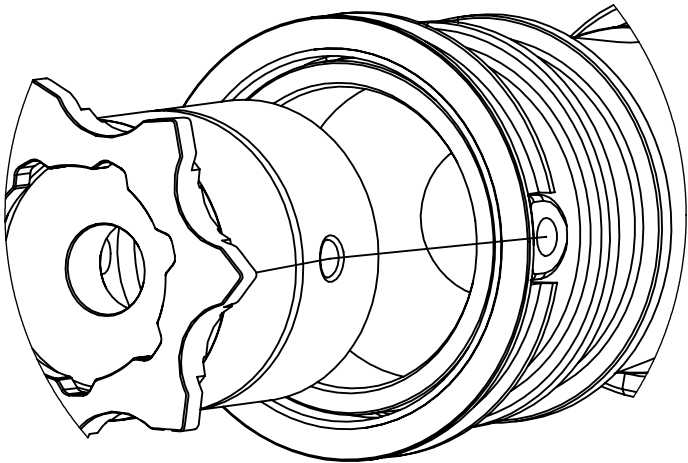
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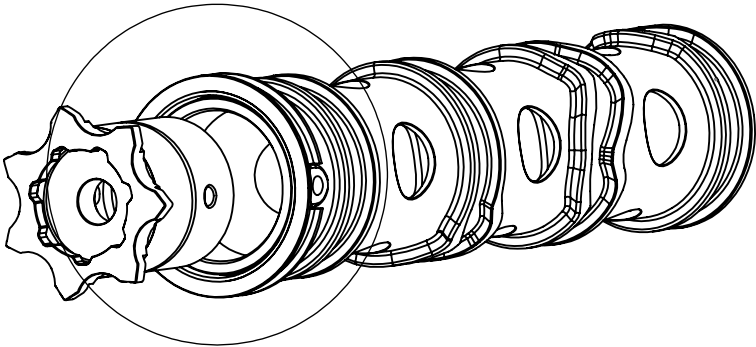
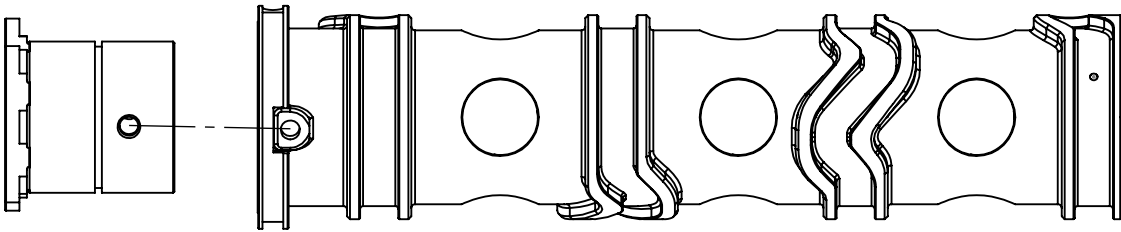
2025-07-01 Model: A5900023 Rev: A

Approved

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

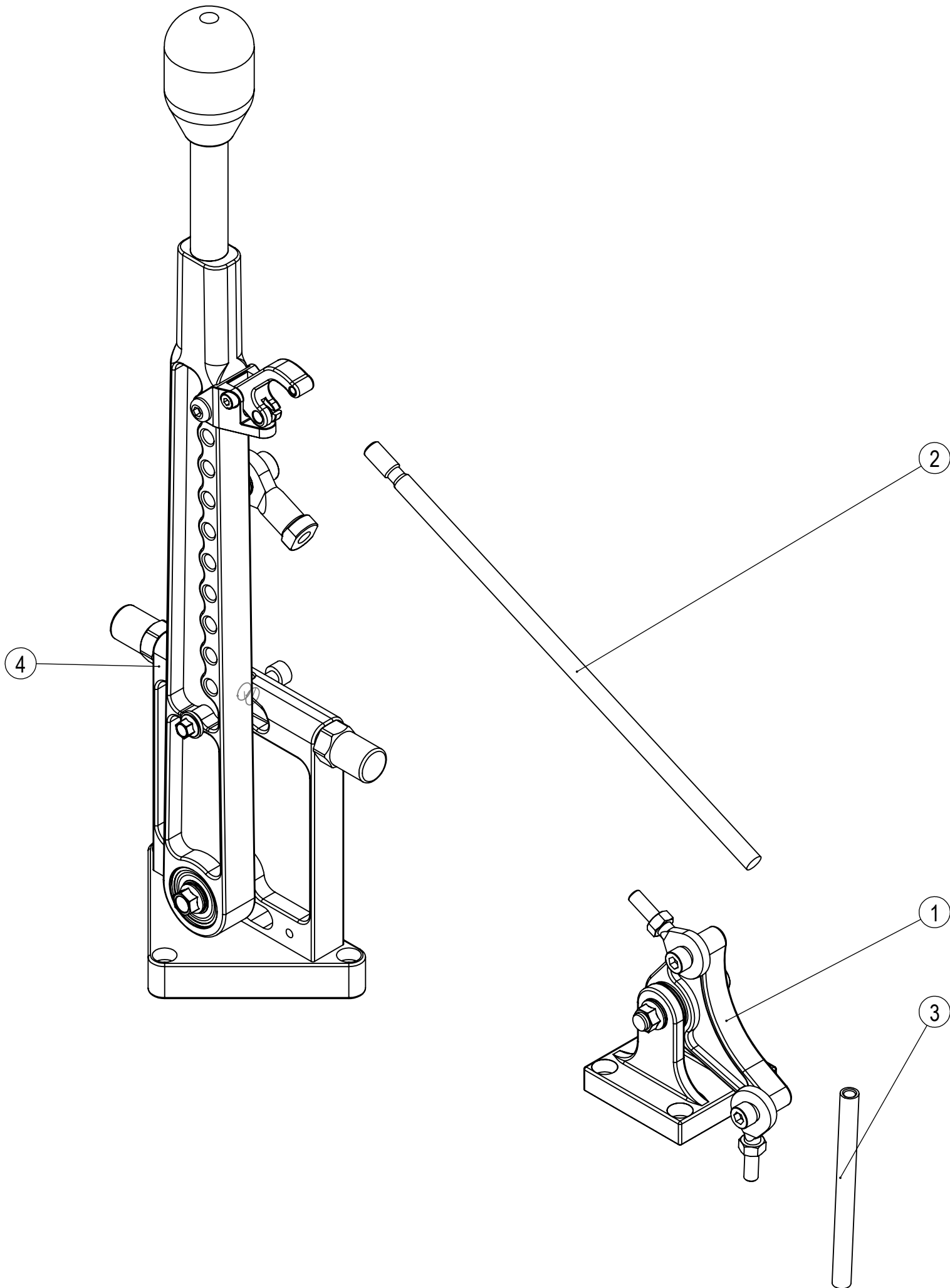


DETAIL A
SCALE 1 : 1



A

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	2025-07-01	Beskrivning							
Checked by	J.Gustavson	2025-06-05	Description Selector barrel alignment RD906							
Drawn by	J.Thide	2019-05-16	<i>TRACTIVE</i>			Sheet 1/1	Part and drawing number A5900023		Category	Revision A
Designed by	J.Thide	2019-05-16	Gjutargatan 54 S-781 70 Borlänge - Sweden							

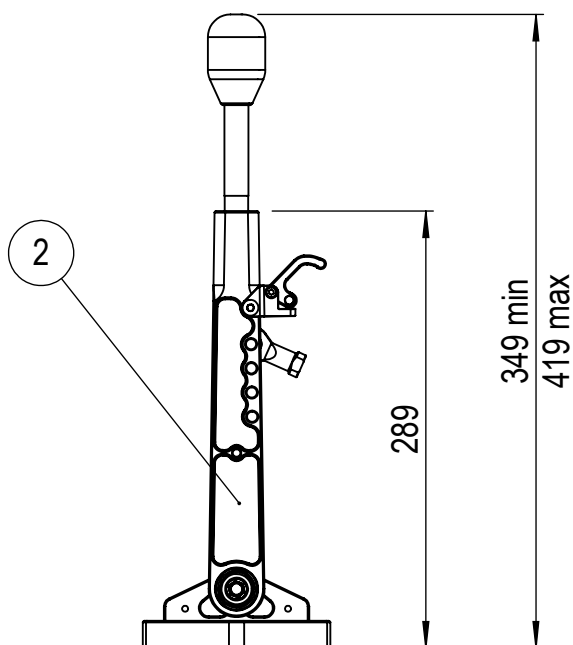
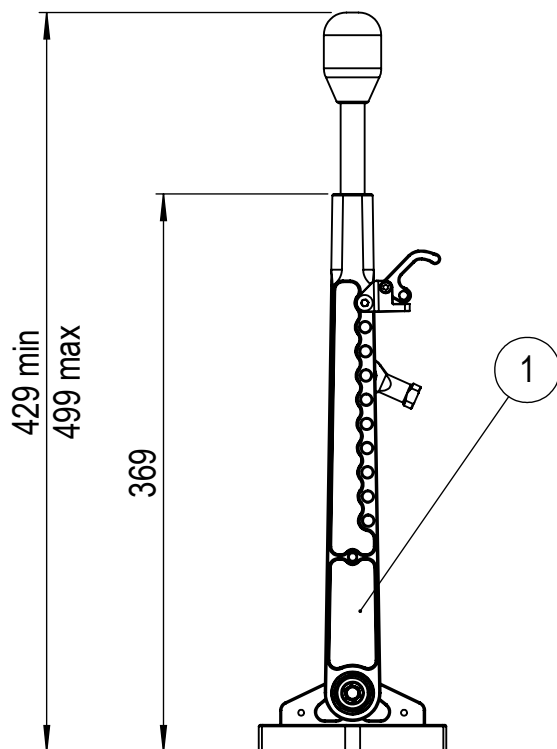


Item	Qty.	Part No.	Description	Note
1	1	59170501	Bracket with linkage quadrant	
2	1	59180300	Link Rod, RD90, M8 universal	
3	1	59180400	Link rod RD90 M6 universal	
4	1	See gear lever options	Gear lever RD	
Material		Description		
		Gear level assembly		
Geometric Tolerance		Sheet	Mass in Gram	Dim.in mm
		1/1	1371	
		Date	Proj	Note
		2018-01-02		
		Drawn by	Designed by	Part Number
		JT	JT	A5900012
			Scale	Revision
			1:2	A

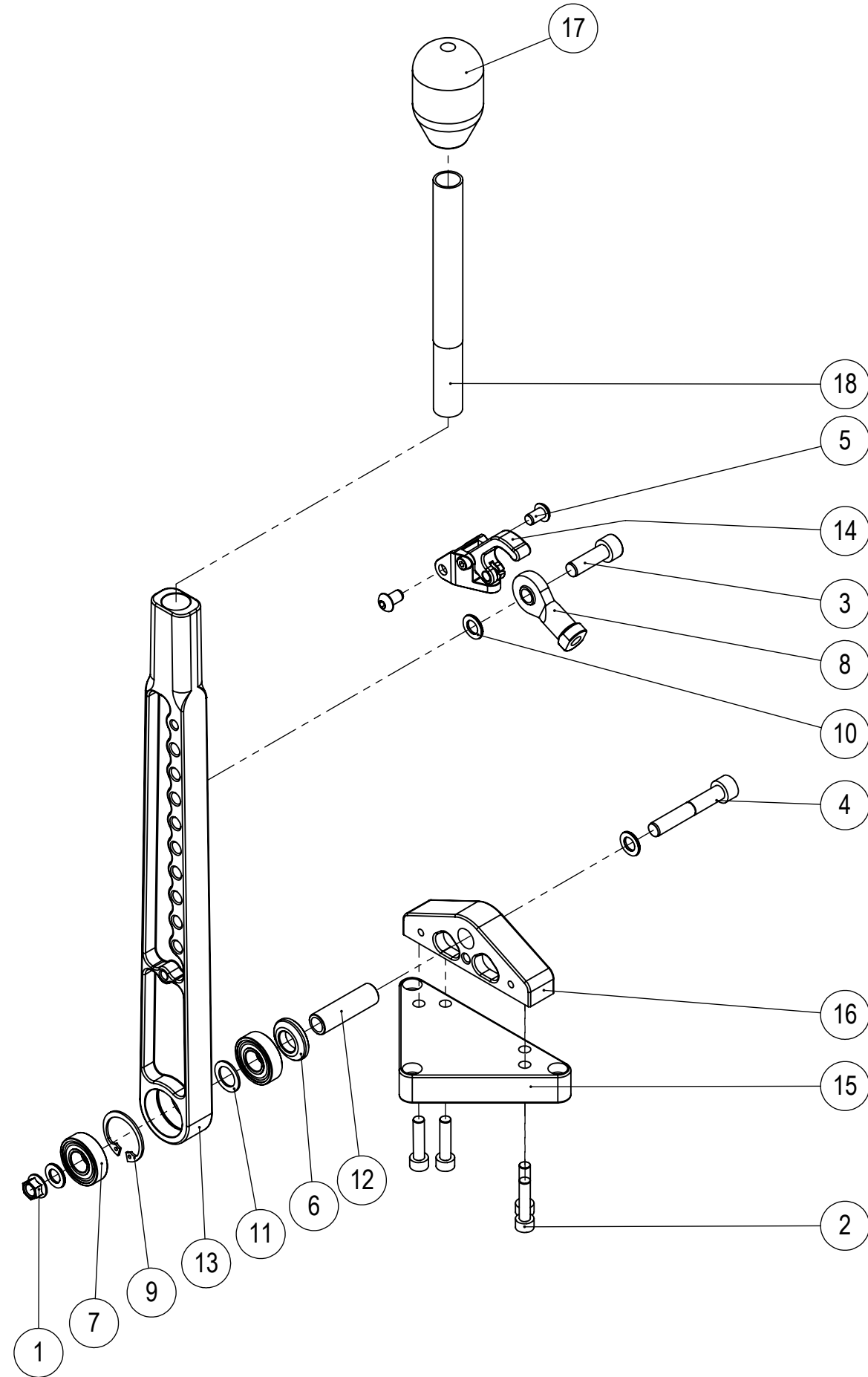
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-02	JH	JH

Approved

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



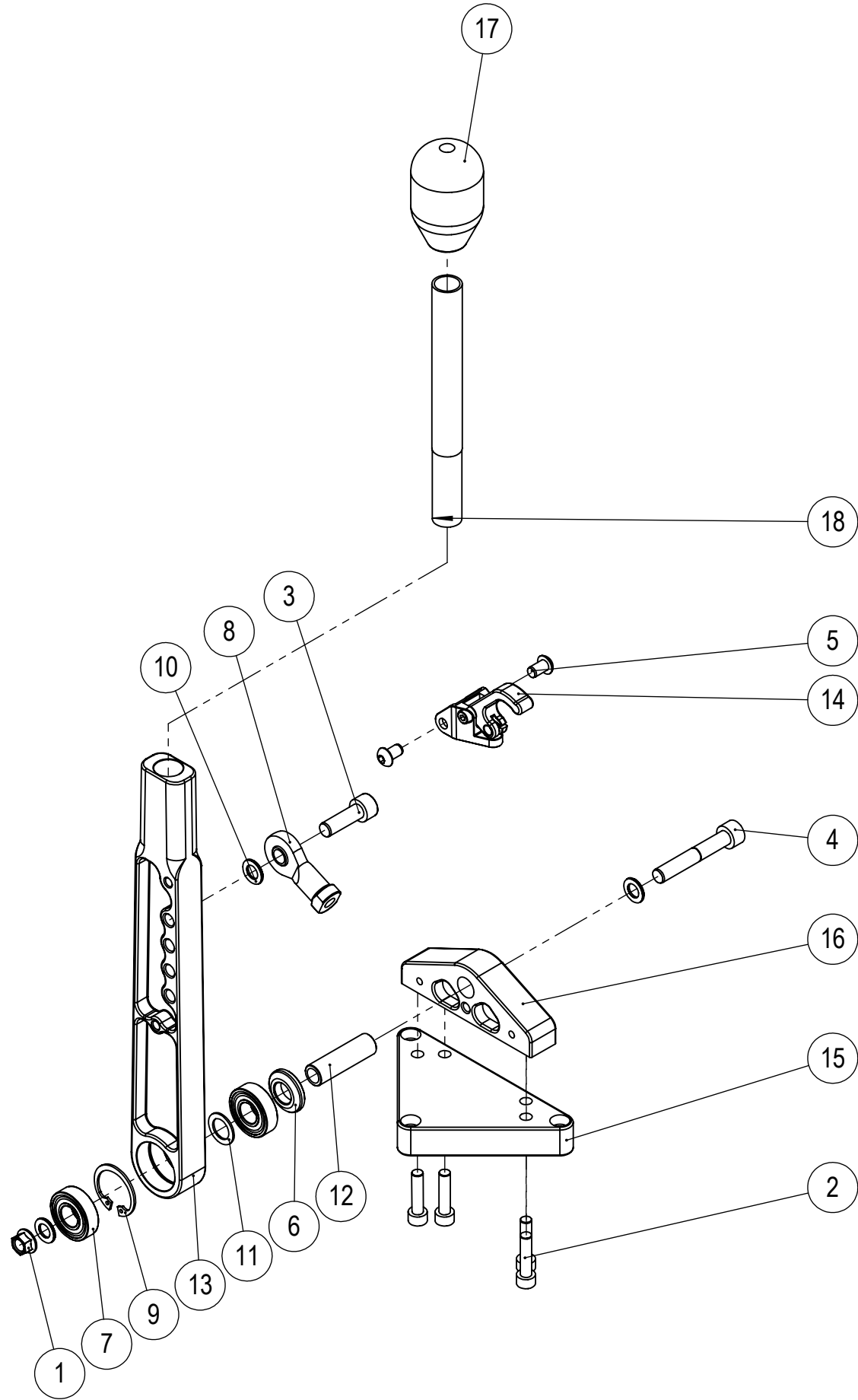
Item	Qty.	Part No.	Description	Note
1	1	59400501	Gear lever unsprung standard complete	
2	1	59400601	Gear lever unsprung short complete	
Material			Proj Scale 1:5 Units mm / g Mass, gram Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
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	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 Standard kpl.						
Checked by	J.Thide	2022-07-14	Description Gear lever unsprung standard complete						
Drawn by	J.Thide	2022-03-15			Sheet	Drawing number		Category	Revision
Designed by	J.Thide	2022-03-15			1/1	59400501		T	A
			Gjutargatan 54 S-781 70 Borlänge - Sweden						



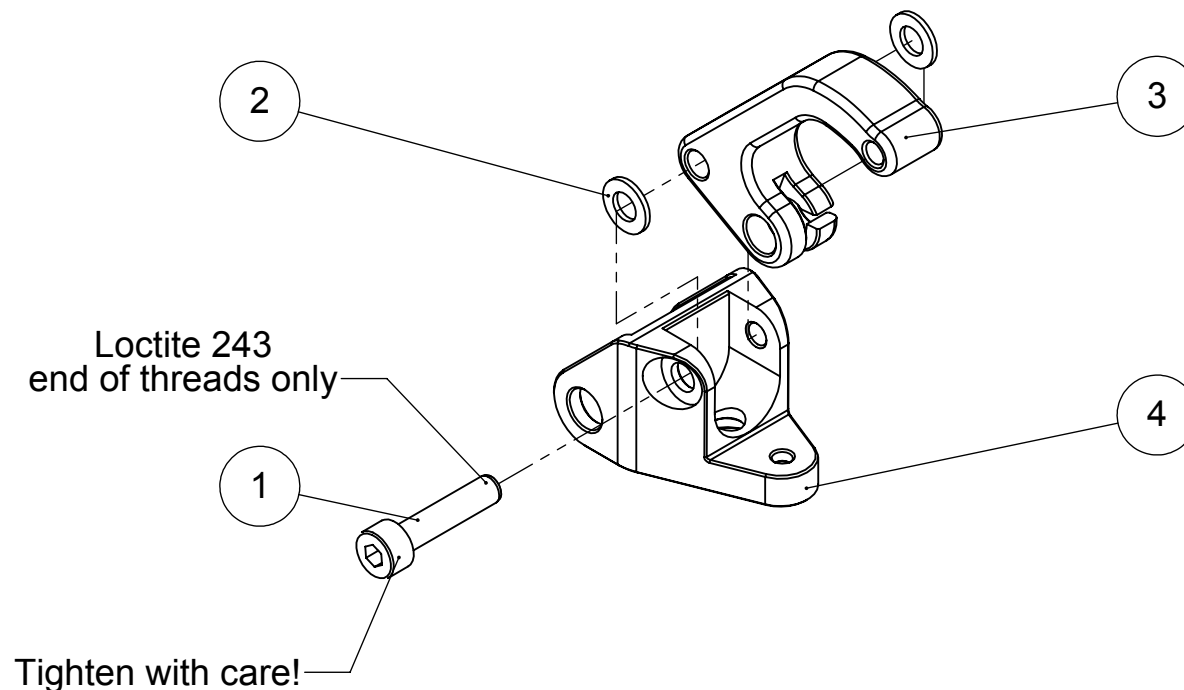
Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2022-07-14	JT	JT

Item	Qty.	Part No.	Description	Note
1	1	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							

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

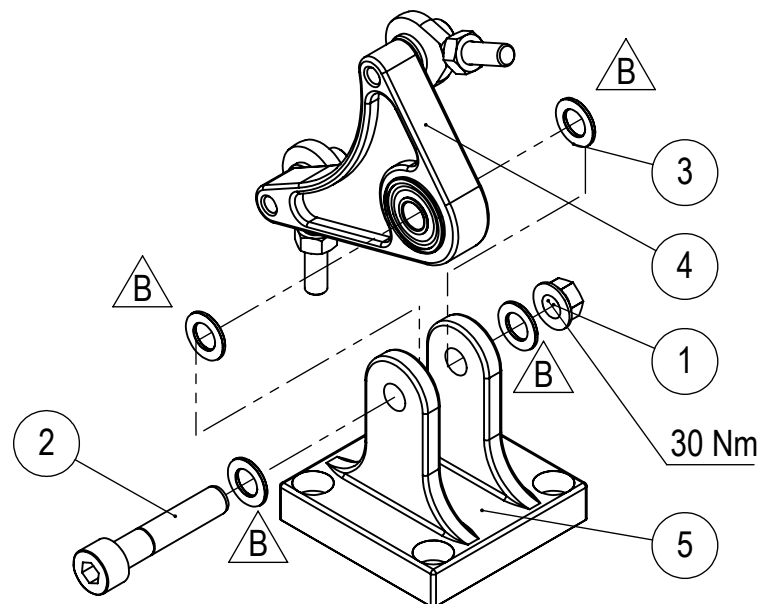


Item	Qty.	Part No.	Description	Note
1	1	121004018-12.9FZ	Allen screw DIN912 M4 x 18 12.9Z	
2	2	16400400	Plain washer 4.3 x 9 x 0.9	
3	1	59381100	Unlock lever	
4	1	59390600	Bracket unlock Lever	

Material		Description Unlock lever Complete		
Geometric Tolerance	Sheet 1/1	Mass in Gram 24	Dim.in mm	Note
TRACTIVE		Date	Proj	Part Number
		Drawn by	Designed by JT	Scale 1:1
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 Bracket with linkage quadrant	
Drawn by	JT	2017-12-29		
Designed by	JT		Sheet 1/1 Drawing number 59170501 Category Revision B	

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B	Changed support ring to 22100810
A	New Document

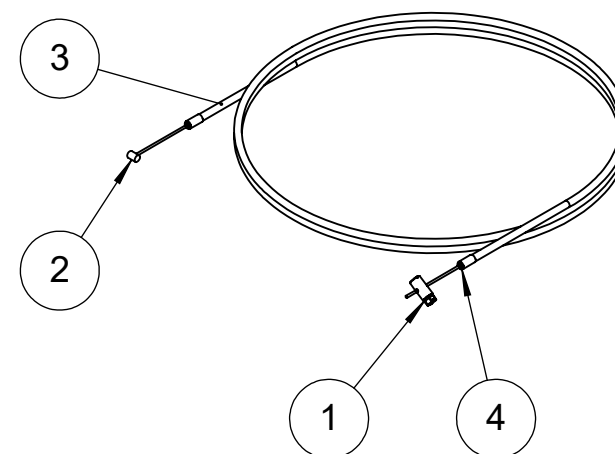
2x 16Nm + grease

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	Units	Mass, gram	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise
			1:2	mm / g	124		
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
Designed by	JT		Gjutargatan 54 S-781 70 Borlänge - Sweden				B

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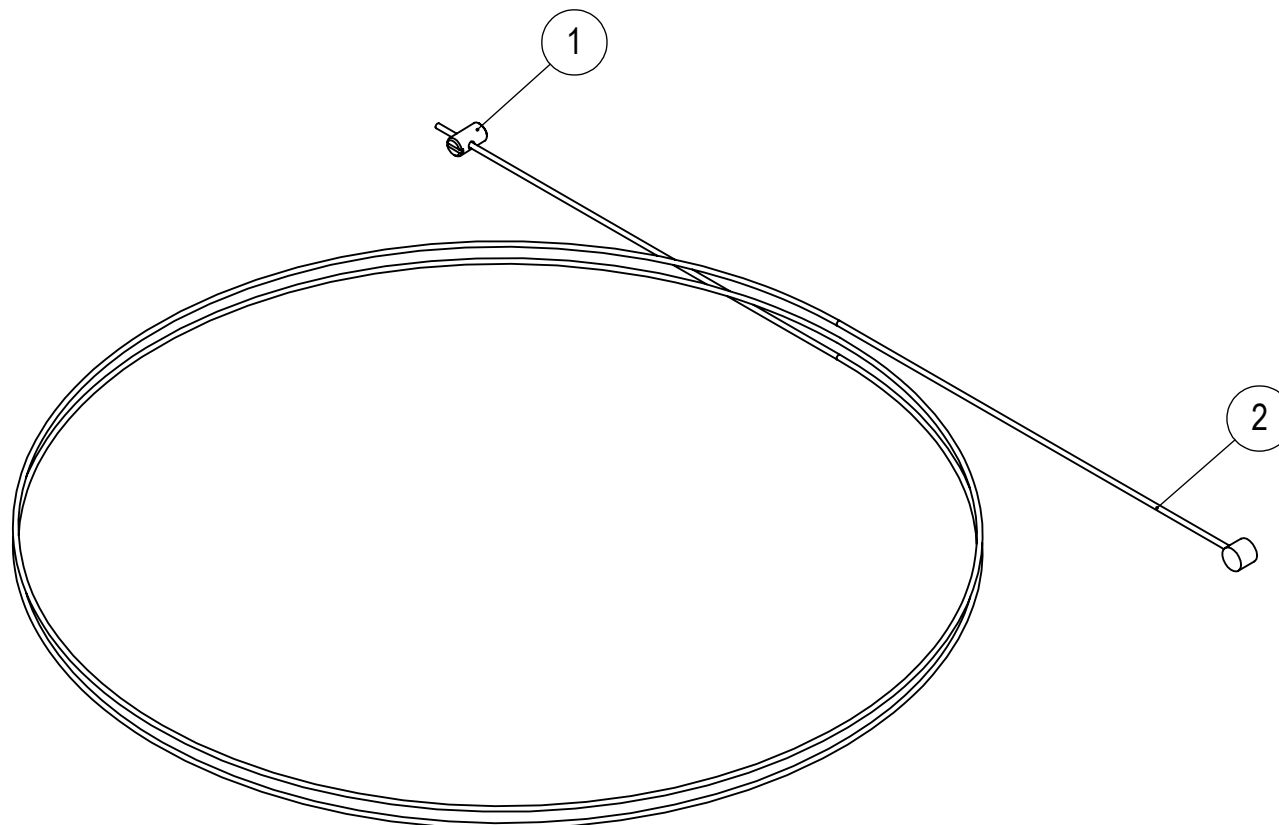
Rev.	Note	Date	Rev. By	Appr. By
B	New Document	2020-09-15	JT	JT



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

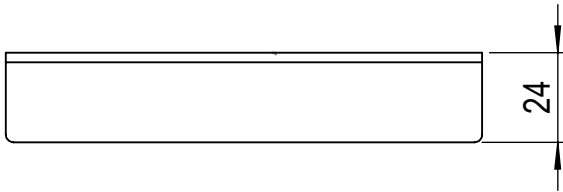
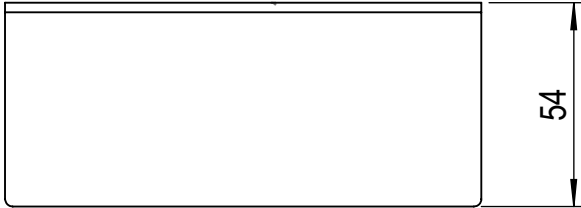
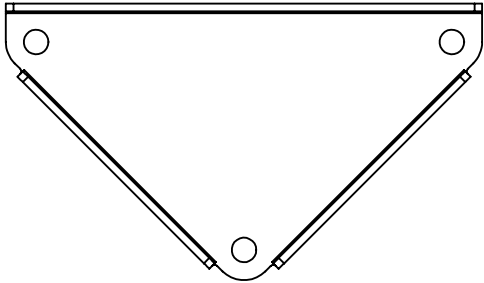
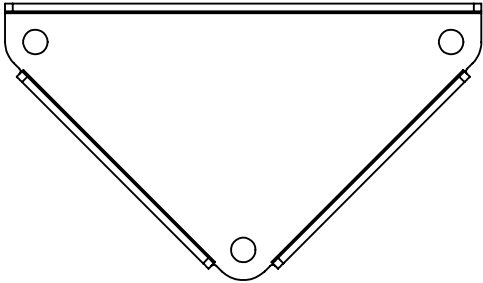
Approved

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

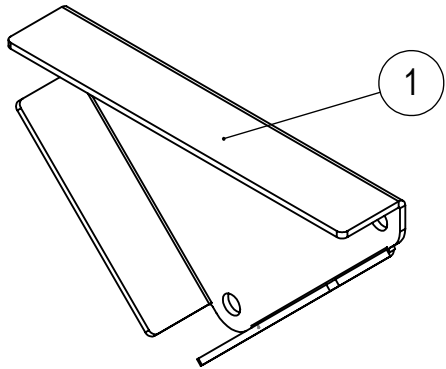
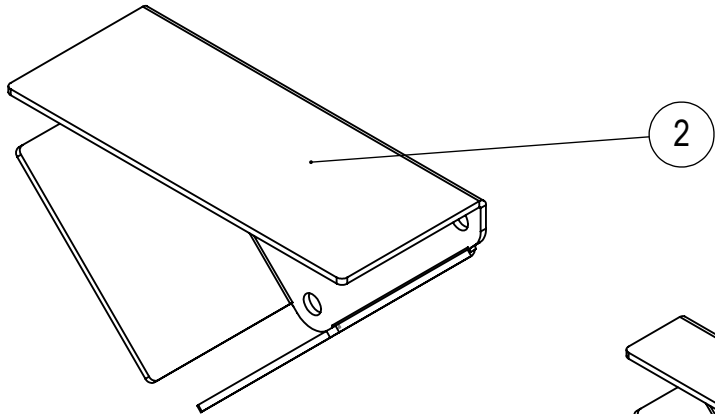


Item	Qty.	Part No.	Description	Note
1	1	43700200	Nipple	
2	1	53030600	Inner Cable	
Material			Description Unlock cable optional	
Geometric Tolerance		Sheet 1/1	Mass in Gram 0.01	Dim.in mm
TRACTIVE			Date 2018-11-30	Proj
			Drawn by JT	Designed by JT
			Scale 1:2	Part Number
A5300007				Revision A

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



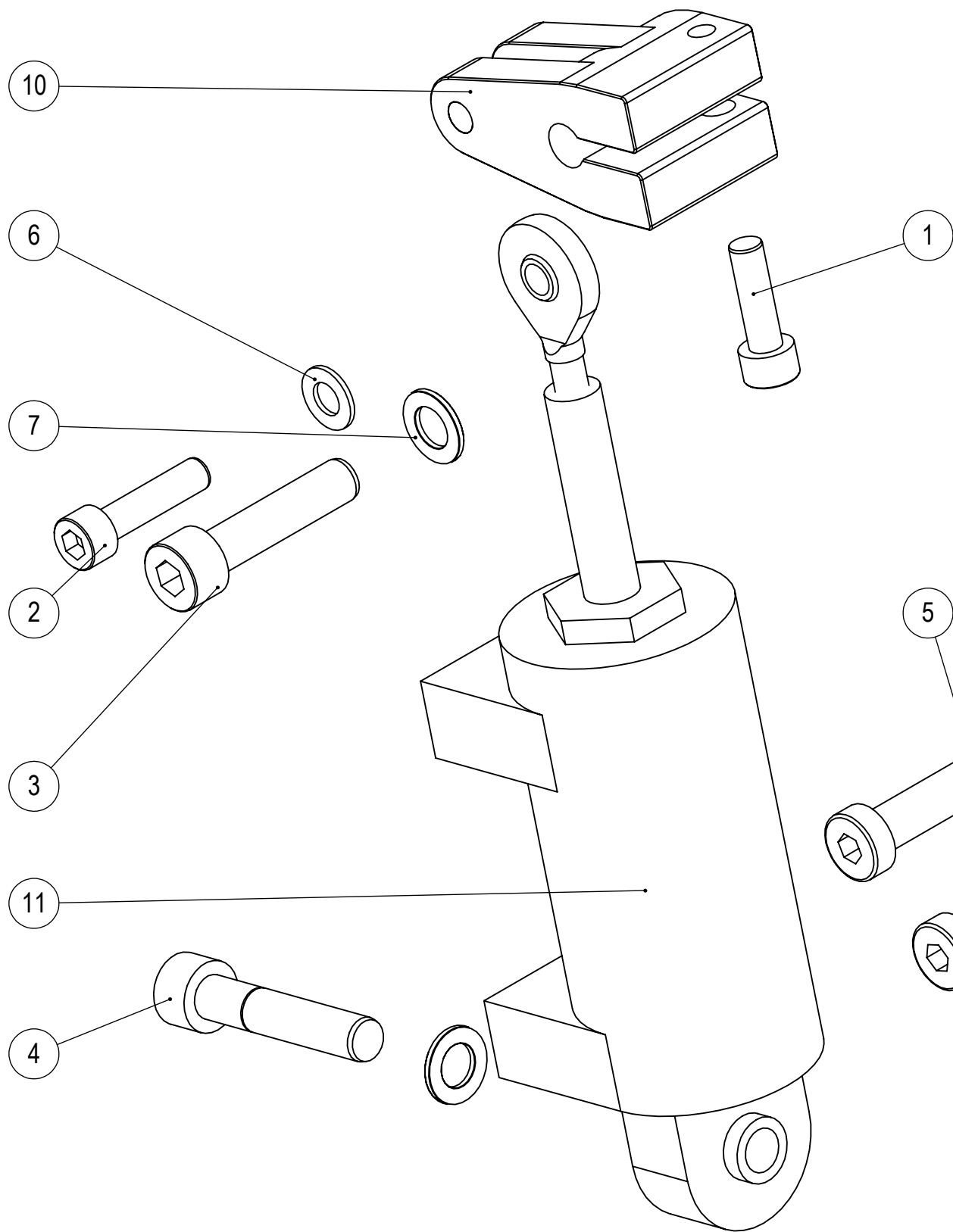
Item	Qty.	Part No.	Description	Note
1	1	59390800	Weld plate	Gear lever 24mm
2	1	59390900	Weld plate	Gear lever 54mm
Material			Description	
Geometric Tolerance			Sheet 1/1	
Mass in Gram			489	
Dim.in mm			Proj	
Date			2018-12-04	
Drawn by			JT	
Designed by			JT	
Scale			1:2	
Weld plate options				Note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

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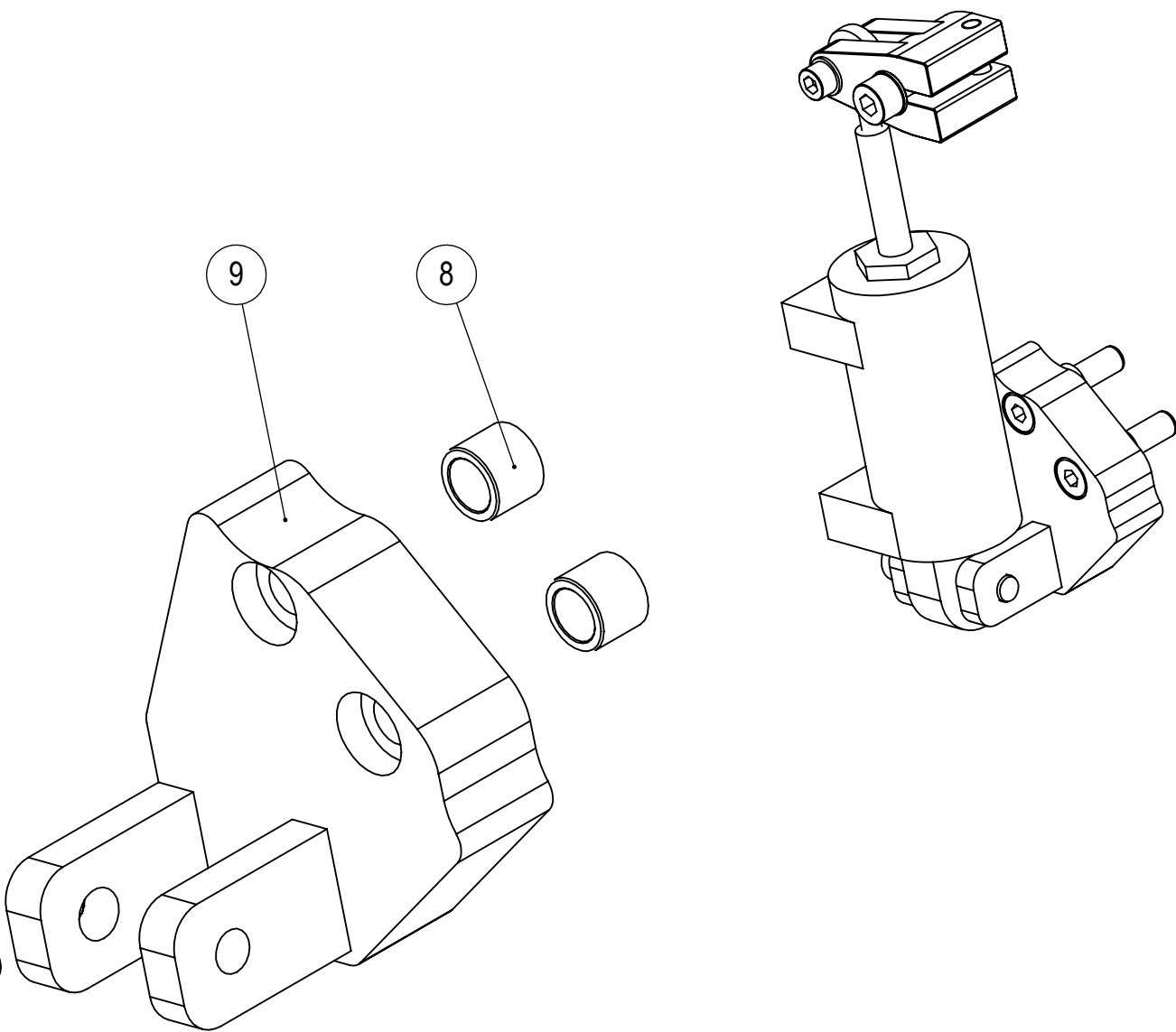
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2025-07-01 Model: A4300019 Rev: A

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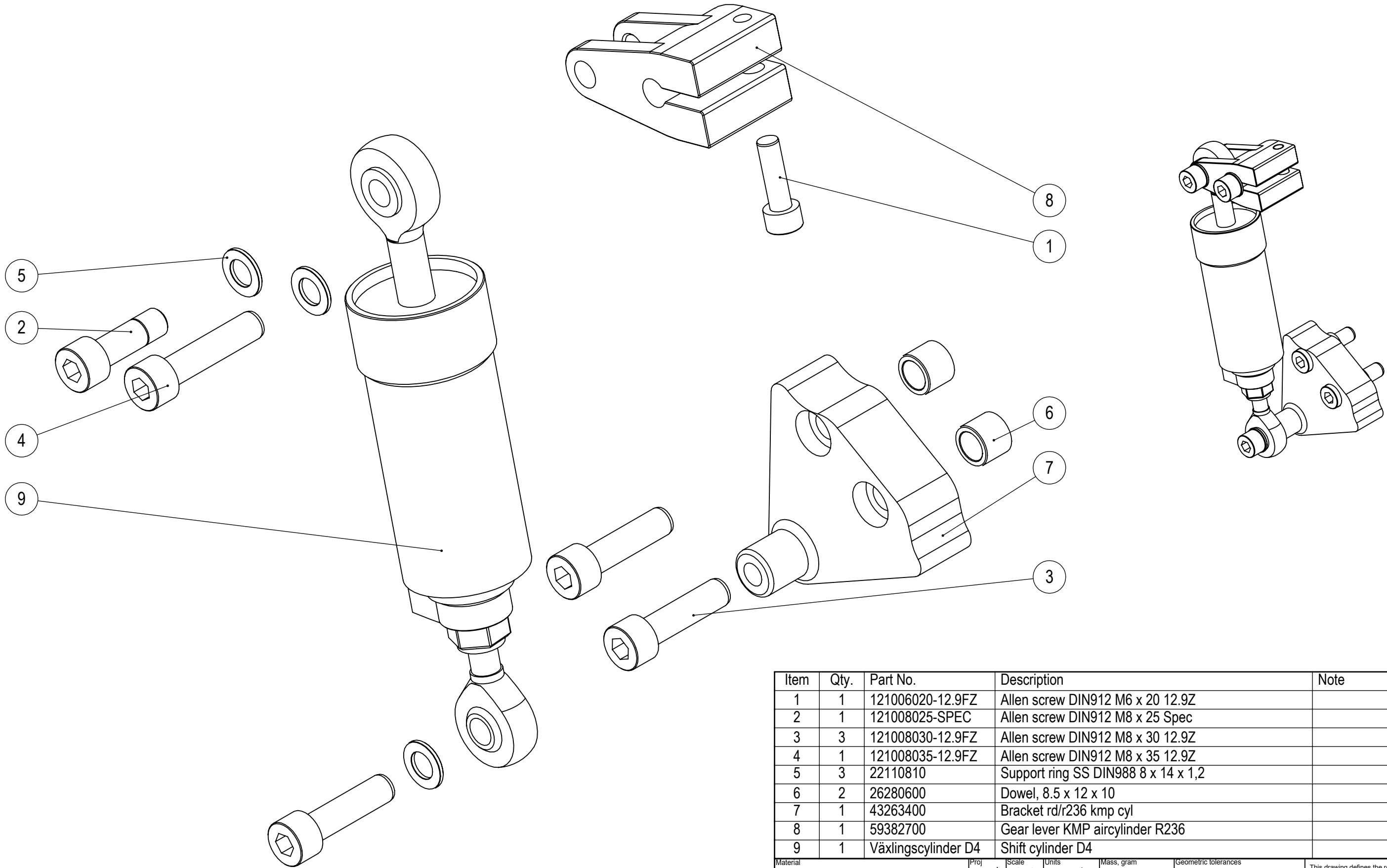


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2025-07-01	JT	JT



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 aircylinder 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