



HYDRAULIC HAMMER

RAMMER 3288 PRO

Serial No.

3288A1931-UP

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GENUINE RAMMER SPARE PARTS

Rammer genuine spare parts are designed and manufactured by using the latest technological knowledge and engineering skills. Rammer spare parts are made of the best available materials with the most advanced manufacturing techniques.

It is important that you use only genuine Rammer spare parts, to ensure easy operation, maintenance and repair of the product. Please note that eventual warranty claims will be handled only if you have used genuine Rammer parts in your Rammer.

LOCATION OF THE SERIAL NUMBER

It's important to make correct reference to the serial number of the product when ordering spare parts. Identification of serial number is the only proper means of maintaining and identifying parts for a specific product. The location of equipment serial number is pointed in "Operation and maintenance" manual.

SPARE PART ORDERS

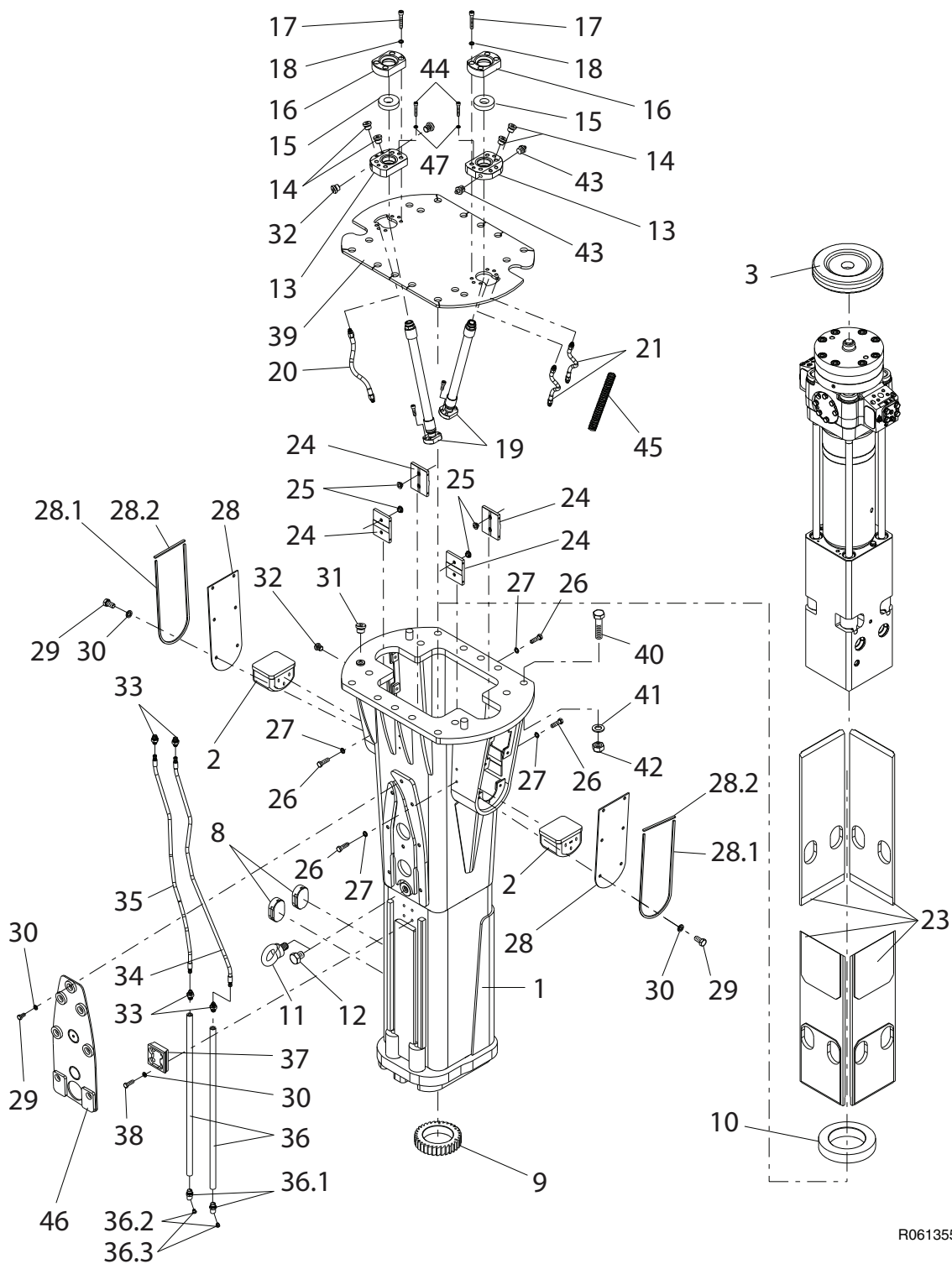
Quick spare part deliveries are secured by exact orders.

Required information:

- Name of customer and contact person
 - Order number (when available)
 - Delivery address
 - Mode of delivery (air mail etc.)
 - Required delivery date
 - Invoicing address
 - Model and serial number of the product
 - Name, number and required amount of spare parts
-

PARTS

1. HOUSING UNIT

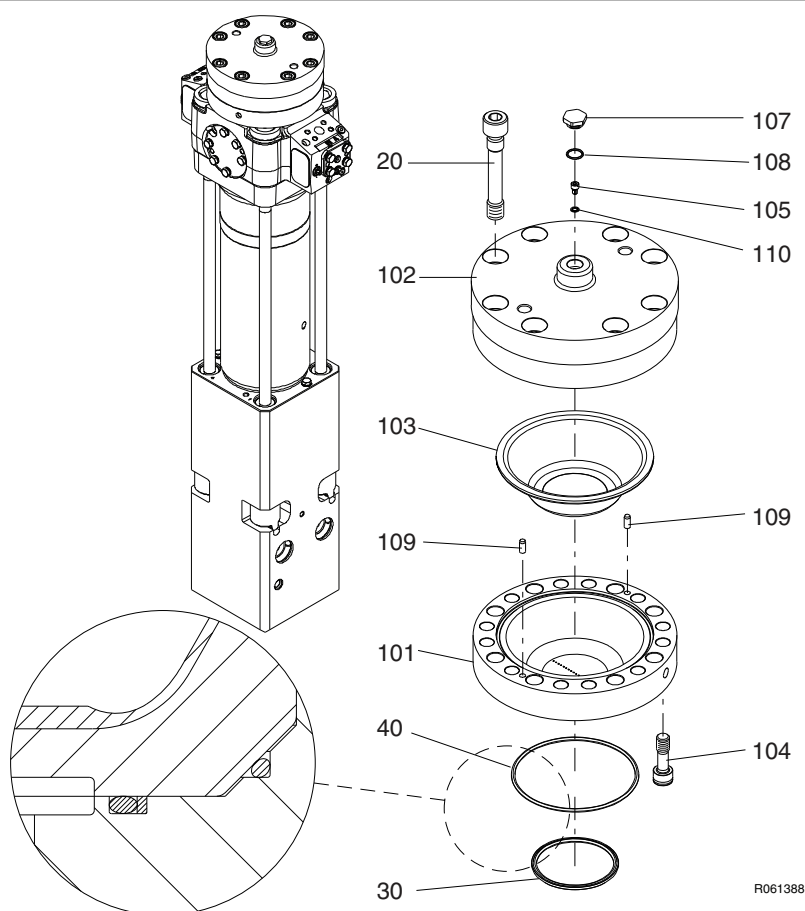


R061355

Item	Description	Part no.	Specification	Note	Qty
1	Housing	174337			1
2	Pad	155438			2
3	Buffer	168203			1
8	Plug	157947			2
9	Seal	174371			1

Item	Description	Part no.	Specification	Note	Qty
10	Seal	174372			1
11	Lifting eye	90705	M30 DIN 580		1
12	Hex. screw	900026	M30x40-8.8 ISO 4017		1
13	Flange	173275			2
14	Flange plug	90444	BSP 3/8		4
15	Seal	173510			2
16	Cover	173473			2
17	Hex. socket screw	900040	M16x80-8.8 ISO 4762		8
18	Lock washer	90597	M16 NORD-LOCK		8
19	Hose assembly	172755			2
20	Hose assembly	954435	Air hose		1
21	Hose assembly	954537	Grease hoses		2
23	Wear plate	174360			4
24	Guide plate	173074			4
25	Bushing	173109			8
26	Hex. screw	91031	M10x40-8.8 ISO 4017		8
27	Lock washer	91037	M10 NORD-LOCK		8
28	Cover (incl. parts 28.1-28.2)	174366			2
28.1	Seal	954810			1
28.2	Seal	954811			1
29	Hex. screw	90514	M16x30-8.8 ISO 4017		20
30	Lock washer	954382	NLX16 NORD-LOCK		24
31	Flange plug	90424	BSP 1/2		1
32	Flange plug	90403	BSP 1/4		3
33	Connector	951204			4
34	Hose assembly	174363			1
35	Hose assembly	174364			1
36	Pipe (incl. parts 36.1-36.2)	174361			2
36.1	Adapter	170210			1
36.2	Nozzle	173241	standard		1
36.3	Nozzle	173289	optional		1
37	Fixing plate	173202			1
38	Hex. screw	900010	M16x50-10.9 ISO 4017		4
39	Top plate	174365			1
40	Hex. screw	954572	M24x140-12.9 ISO 4014		14
41	Washer	90511	24 ISO 7416		14
42	Lock nut	90507	M24-12 DIN 985		14
43	Grease nipple	90200	R1/4		2
44	Hex. socket screw	901902	M12x45-8.8 ISO 4762		4
45	Shield	954451			1
46	Cover	174369			1
47	Lock washer	91012	M12 NORD-LOCK		4
201	Label set (incl. part 201.1)	174639			1
201.1	Safety label set	169400	English		1

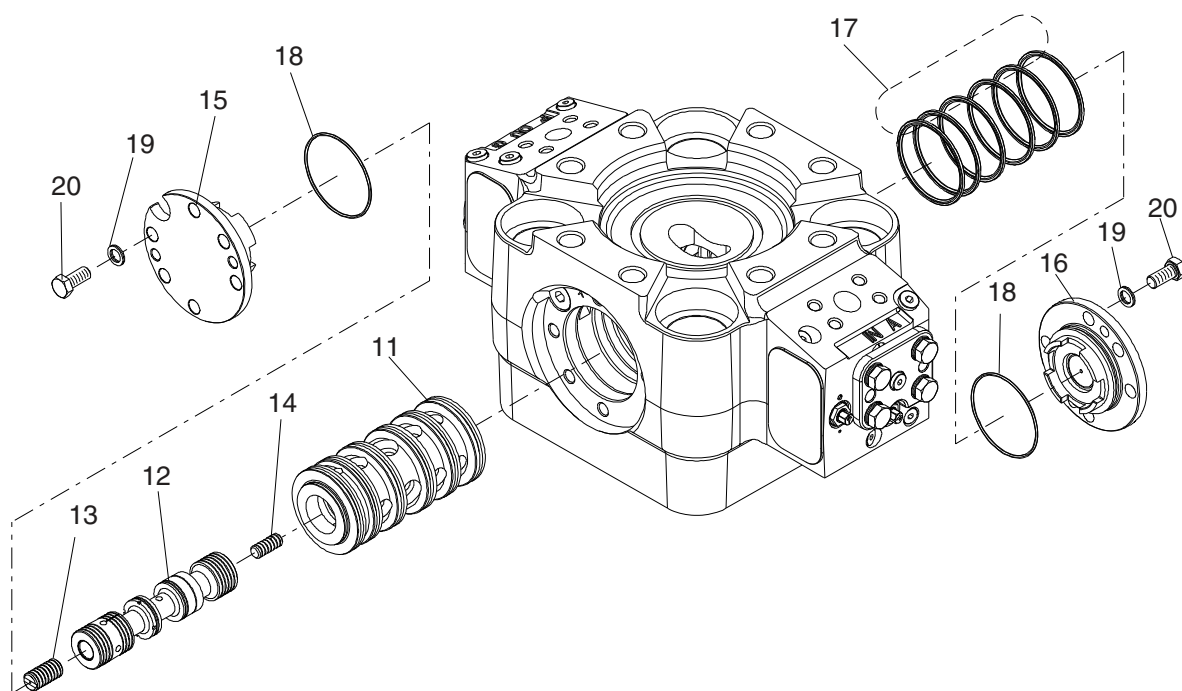
2. ACCUMULATOR



R061388

Item	Description	Part no.	Specification	Note	Qty
1	Accumulator (incl. parts 101-110)	155339			1
101	Accumulator bottom	173741			1
102	Accumulator cover	155342			1
103	Membrane	173532			1
104	Accumulator screw	40416			12
105	Filling plug	40368			1
107	Shield plug	154015			1
108	O-ring	910006	D23	*	1
109	Parallel pin	90304	10m6x24 DIN 6325		2
110	Usit-ring	90056	8-13.9-1	*	1
20	Accumulator screw	41335			8
30	Seal	41357	D124	*	1
40	O-ring	910002	D194	*	1
	*) Are included in seal set				

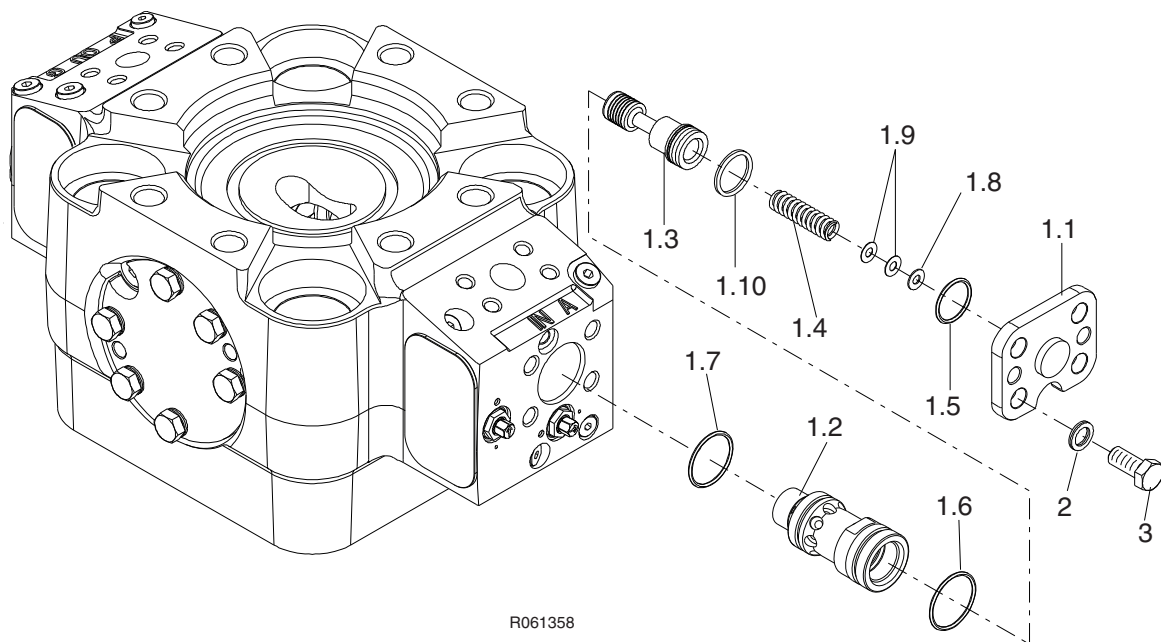
3. MAIN VALVE



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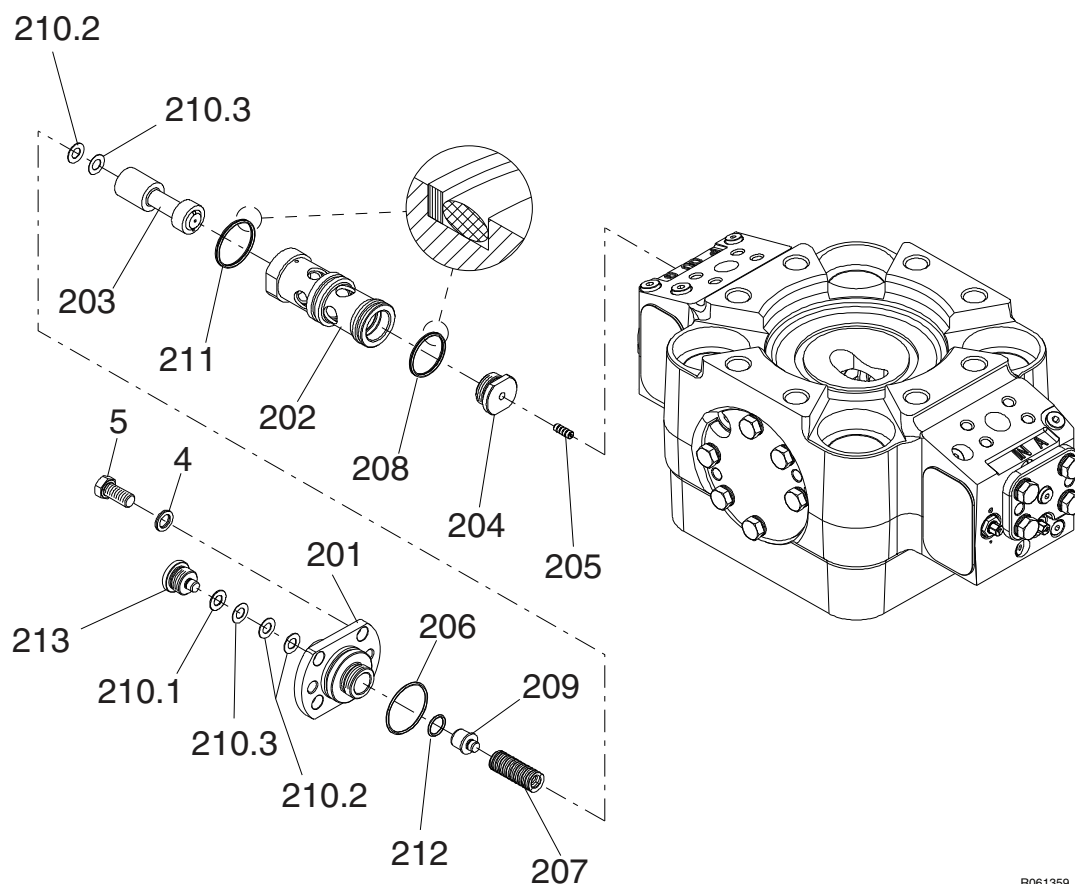
Item	Description	Part no.	Specification	Note	Qty
11	Main valve bushing	103802			1
12	Main spool	162453			1
13	Spool	101853	D23		1
14	Spool	40112	D16		1
15	Cover	101472			1
16	Cover	101830			1
17	Seal	902668	D110	*	6
18	O-ring	90005	D105	*	2
19	Lock washer	90597	M16 NORD-LOCK		12
20	Hex. screw	90517	M16x35-8.8 ISO 4017		12
	*) Are included in seal set				

4. RAMVALVE



Item	Description	Part no.	Specification	Note	Qty
1	Ramvalve (incl. parts 1.1-1.10)	172210			1
1.1	Cover	172149			1
1.2	Valve housing	172211			1
1.3	Spool	171031			1
1.4	Spring	954342			1
1.5	O-ring	90017	D34	*	1
1.6	O-ring	90031	D46	*	1
1.7	O-ring	90007	D44	*	1
1.8	Shim plate	954349	S=1		X
1.9	Shim plate	954348	S=0.5		X
1.10	Seal	954341	D34	*	1
2	Lock washer	90597	M16 NORD-LOCK		4
3	Hex. screw	90517	M16x35-8.8 ISO 4017		4
	*) Are included in seal set				

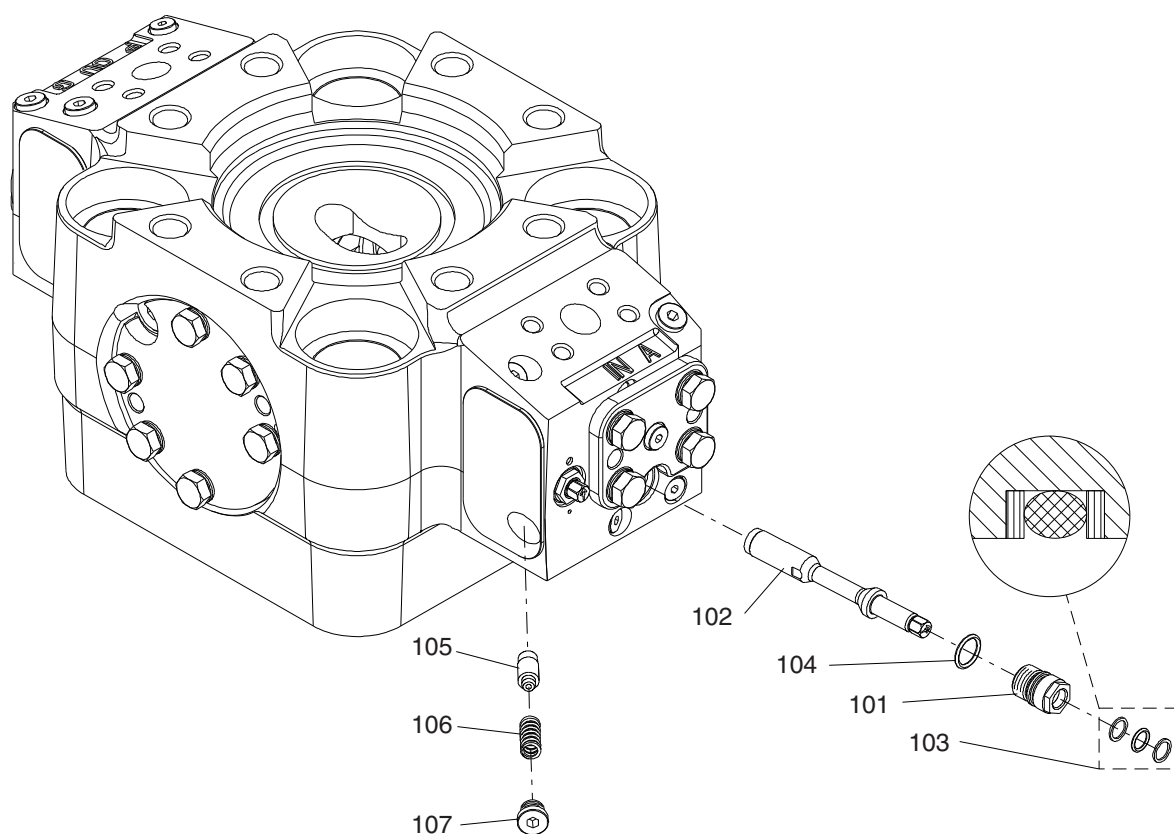
5. PRESSURE CONTROL VALVE



R061359

Item	Description	Part no.	Specification	Note	Qty
2	Pressure control valve (incl. parts 201-213)	174526			1
201	Cover	161413			1
202	Valve housing	162451			1
203	Spool	162452			1
204	Guide	400688			1
205	Spool	400690	D9		1
206	O-ring	90083	D60	*	1
207	Spring	90104			1
208	Seal	41375	D50	*	1
209	Spring guide	161433			1
210.1	Shim plate	174182	S=0.75		X
210.2	Shim plate	41793	S=1		X
210.3	Shim plate	41794	S=0.5		X
211	Seal	41374	D55	*	1
212	O-ring	910018	D21	*	1
213	Plug	112512			1
4	Lock washer	90597	M16 NORD-LOCK		4
5	Hex. screw	90517	M16x35-8.8 ISO 4017		4
	*) Are included in seal set				

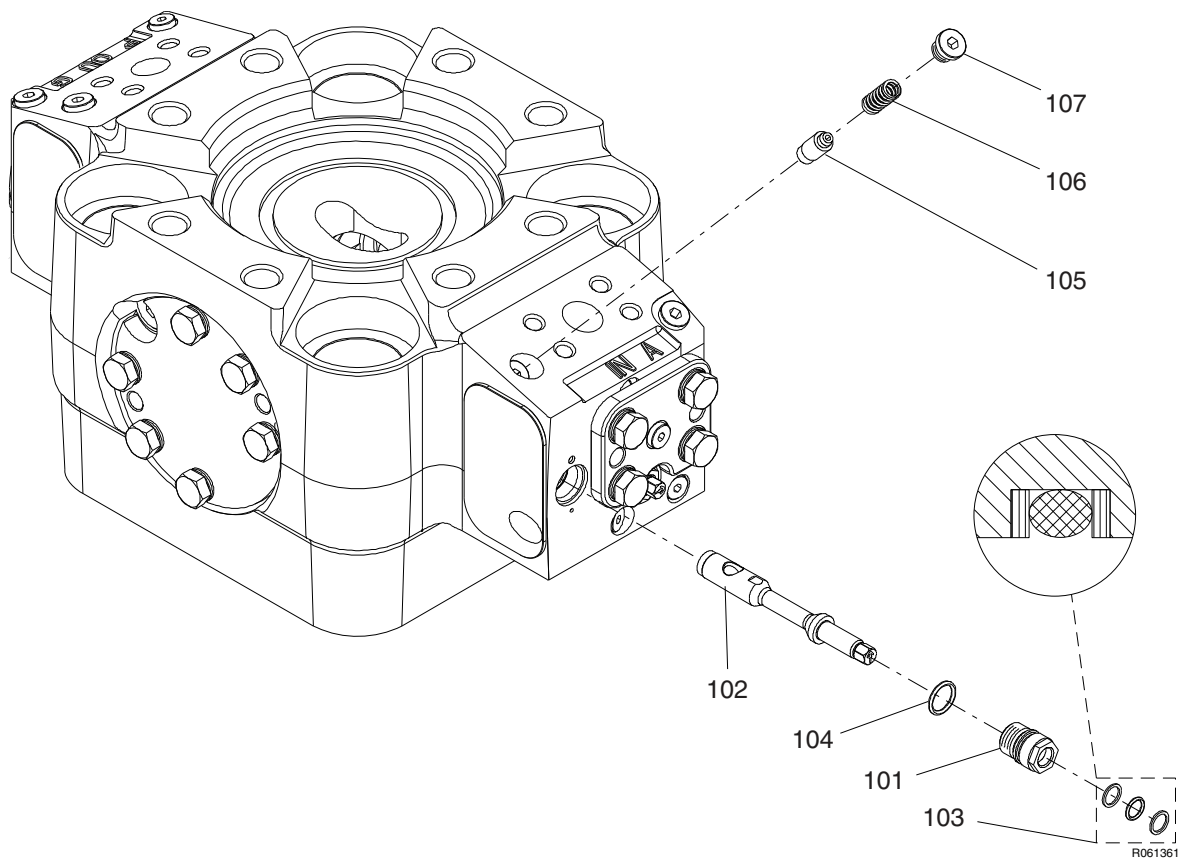
6. IDLE SELECTOR



R061360

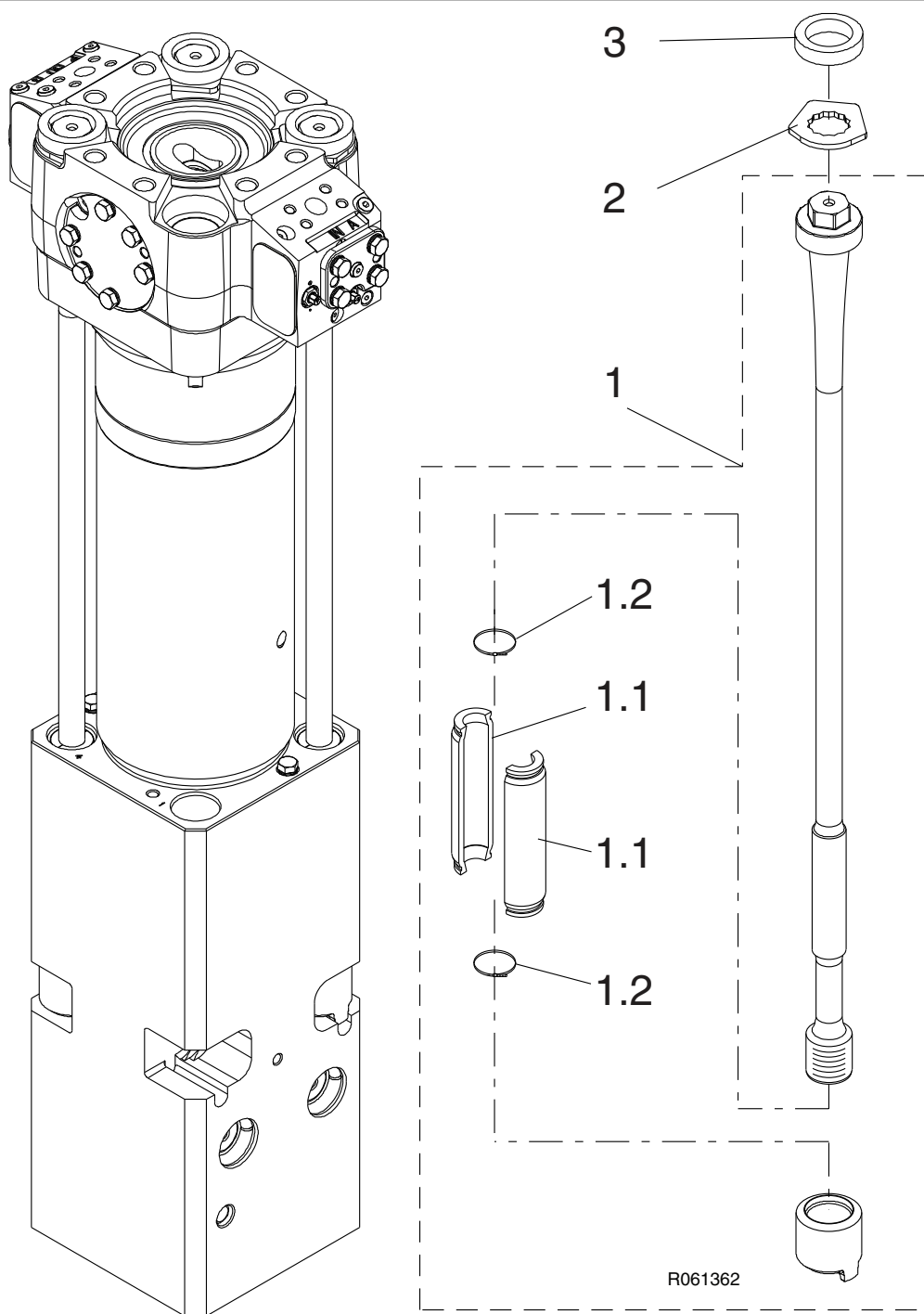
Item	Description	Part no.	Specification	Note	Qty
1	Valve (incl. parts 101-104)	163445			1
101	Cover	156729			1
102	Spool	163446			1
103	Seal	112835	D13	*	1
104	O-ring	90001	D20	*	1
105	Pin	156730			1
106	Spring	951797	Danly 9-1006-11		1
107	Flange plug	90444	BSP 3/8		1
	*) Are included in seal set				

7. STROKE SELECTOR VALVE



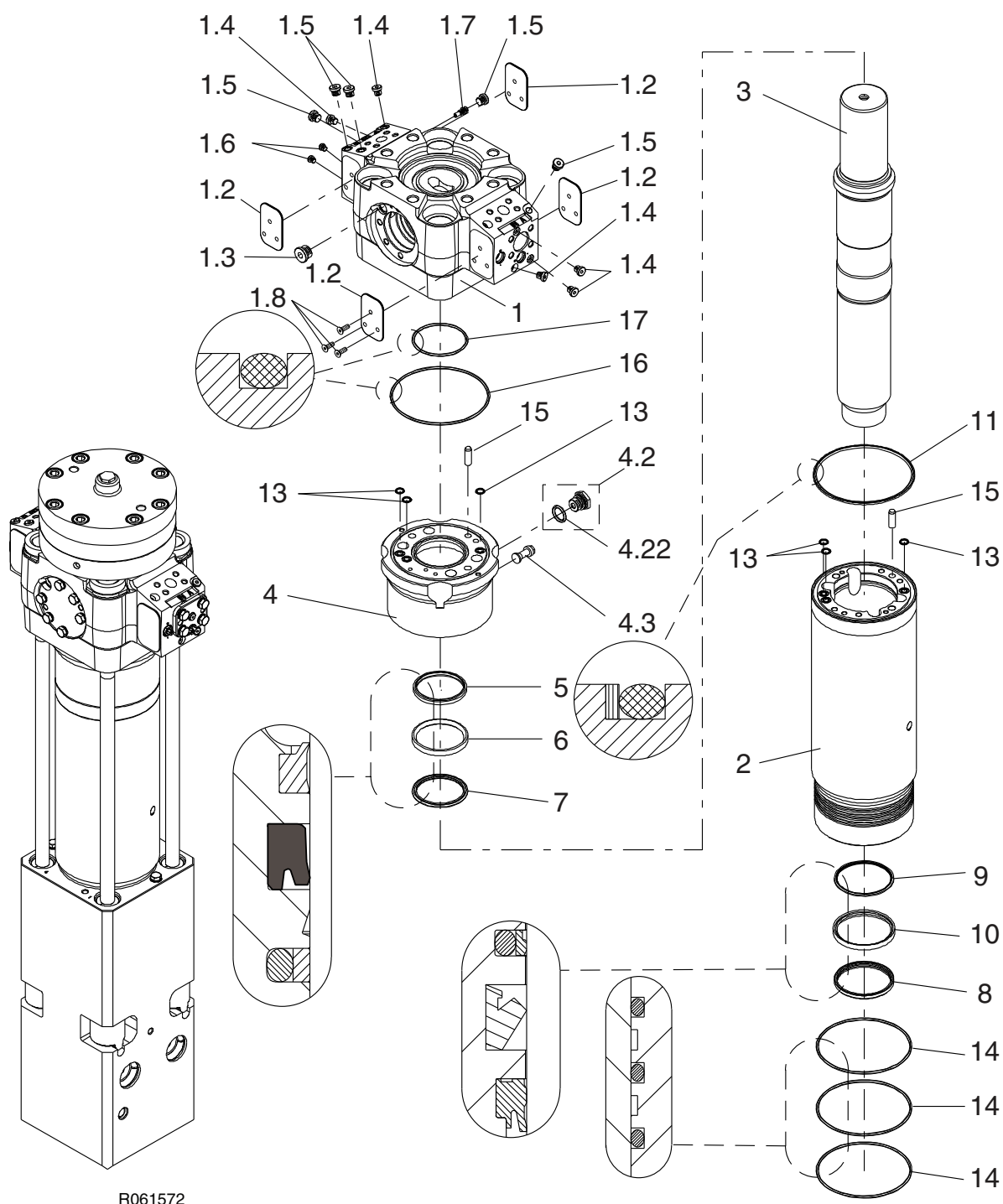
Item	Description	Part no.	Specification	Note	Qty
1	Valve (incl. parts 101-104)	163445			1
101	Cover	156729			1
102	Spool	163446			1
103	Seal	112835	D13	*	1
104	O-ring	90001	D20	*	1
105	Pin	156730			1
106	Spring	951797	Danly 9-1006-11		1
107	Flange plug	90444	BSP 3/8		1
	*) Are included in seal set				

8. TIE RODS



Item	Description	Part no.	Specification	Note	Qty
1	Tie rod (incl. parts 1.1-1.2)	158327			4
1.1	Vibration dampening element	155555			2
1.2	Cable tie	952009			2
2	Lock plate	101449			4
3	Rubber ring	40586			4

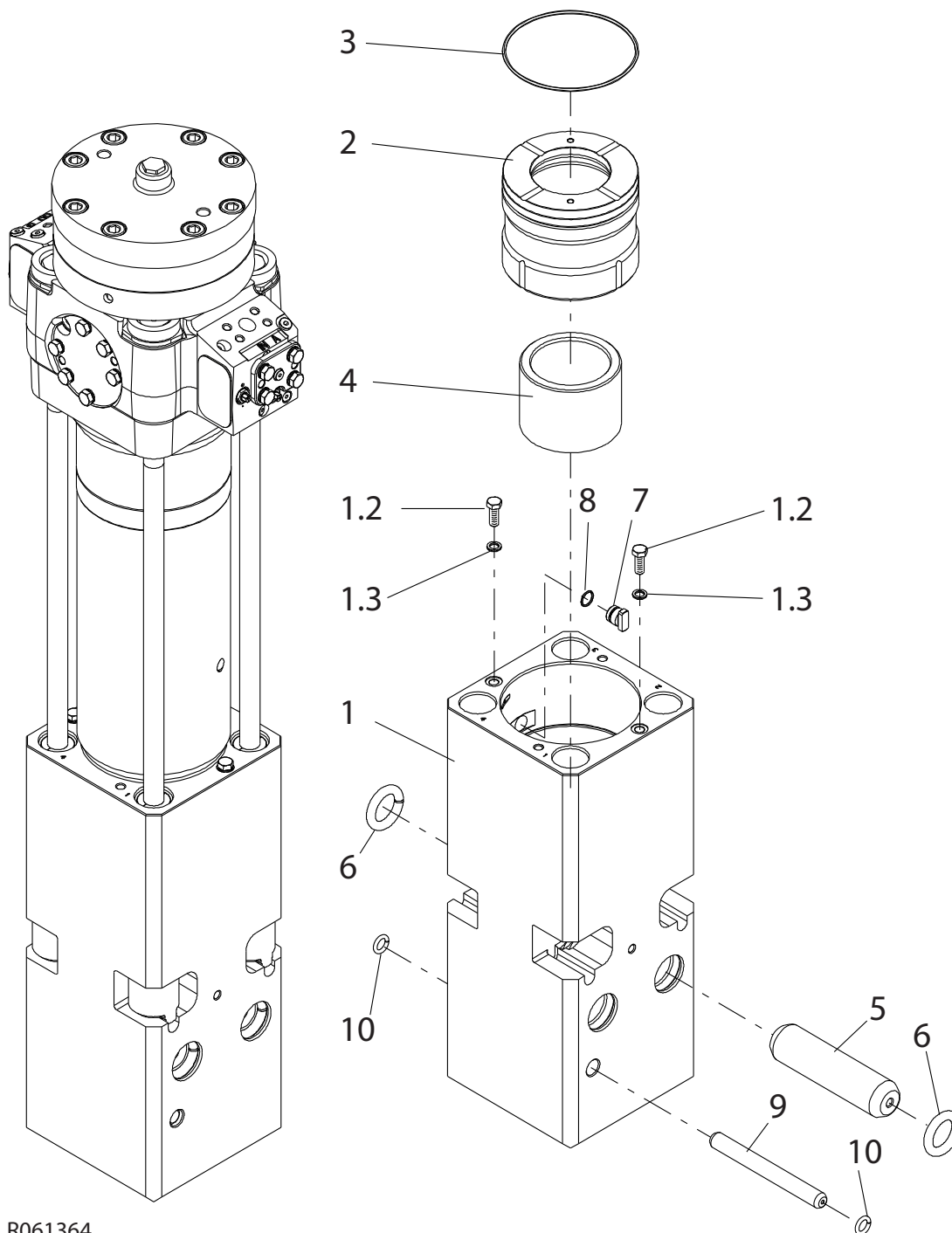
9. BODY PARTS



Item	Description	Part no.	Specification	Note	Qty
1	Valve body (incl. parts 1.2-1.8)	174375			1
1.2	Shoulder plate	177475			4
1.3	Flange plug	90401	R3/4		1
1.4	Flange plug	90403	R1/4		5
1.5	Flange plug	90444	R3/8		5
1.6	Flange plug	93203	R1/8		2

Item	Description	Part no.	Specification	Note	Qty
1.7	Nozzle	159795			1
1.8	Hex. socket screw	955186	M6x12-10.9 DIN 7991		12
2	Cylinder	162442			1
3	Piston	174377			1
4	Seal carrier (incl. parts 4.2-4.4)	162446			1
4.2	Breather (incl. part 4.22)	101700			1
4.22	O-ring	901173	D27	*	1
4.3	Plug	173557			1
5	Wiper	901160	D119	*	1
6	Seal	955144	D120	*	1
7	Seal	150244	D118	*	1
8	Wiper	952657	D135	*	1
9	Seal	952033	D135	*	1
10	Seal	903325	D135	*	1
11	Seal	41140	D239	*	1
13	O-ring	901124	D17	*	6
14	O-ring	90076	D229	*	3
15	Parallel pin	90317	16m6x50 DIN 6325		2
16	O-ring	90046	D239	*	1
17	O-ring	952116	D129	*	1
	*) Are included in seal set				

10. FRONT HEAD

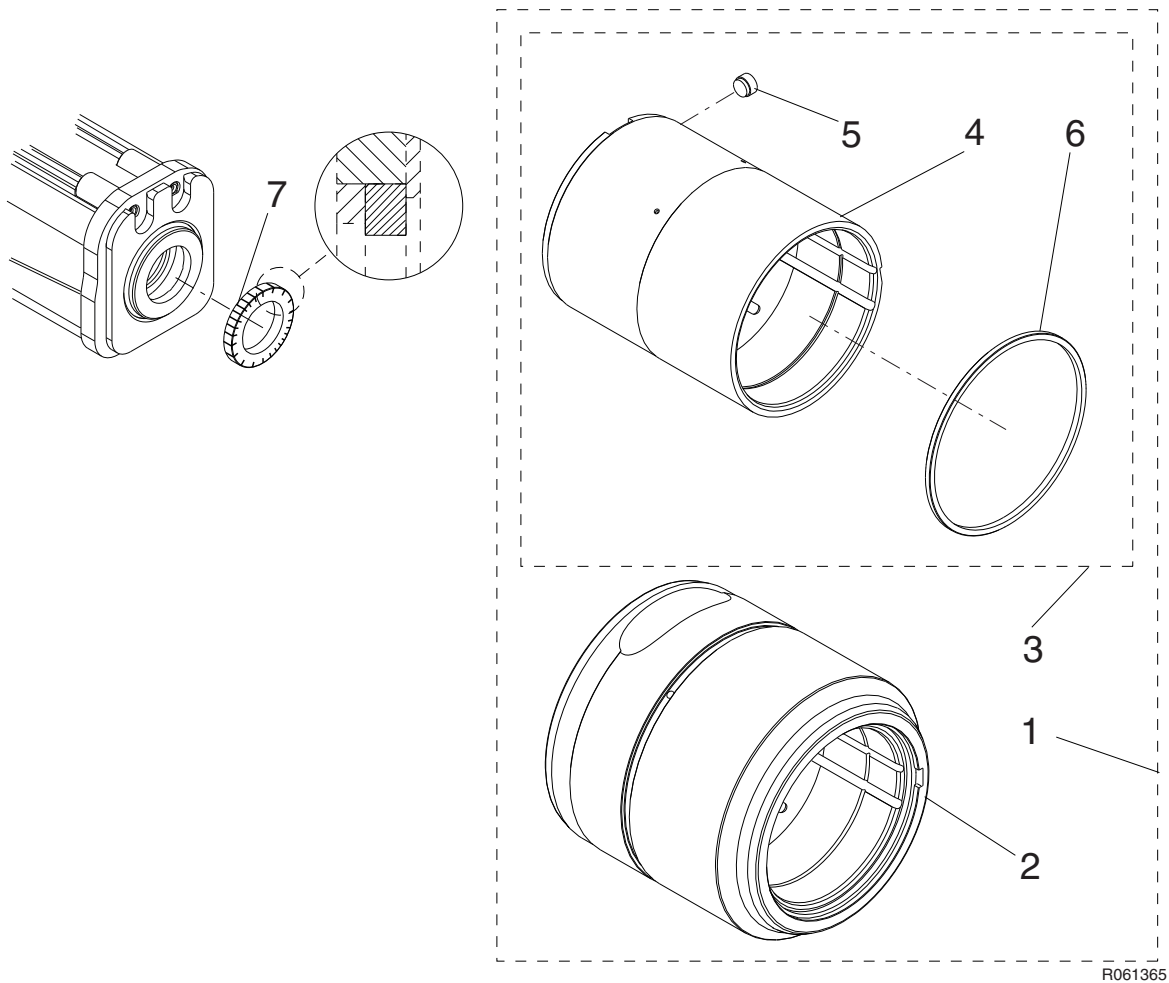


R061364

Item	Description	Part no.	Specification	Note	Qty
1	Front head (incl. parts 1.2-1.3)	173679			1
1.2	Hex. socket screw	900051	M16x40-12.9 ISO 4017		2
1.3	Lock washer	90597	M16 NORD-LOCK		2
2	Thrust ring	155467			1
3	O-ring	90076	D229	*	1
4	Upper tool bushing	101414			1
5	Tool retaining pin	153235			2

Item	Description	Part no.	Specification	Note	Qty
6	Ring	153236			4
7	Wedge	40110			1
8	O-ring	90000	D24	*	1
9	Retaining pin	173680	D30		1
10	Rubber ring	173685		*	2
	*) Are included in seal set				

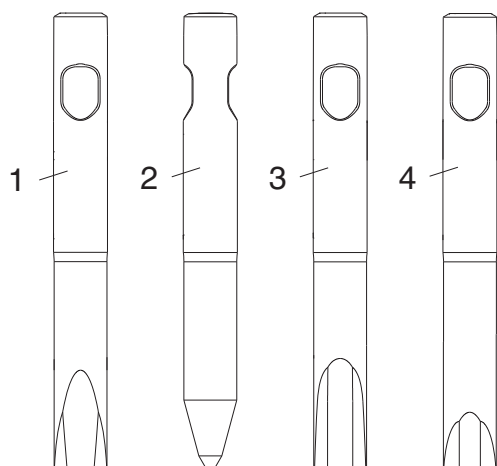
11. LOWER TOOL BUSHING



R061365

Item	Description	Part no.	Specification	Note	Qty
1	TS bushing kit (incl. part 2-6)	K10BRONZ E3288			1
2	Lower tool bushing	N/A			1
3	Bronze insert kit (incl. parts 4-6)	K20BRONZ E3288			1
4	Bronze insert	N/A			1
5	Guide	171610			1
6	Locking ring	156863			1
7	Tool seal	174371			1

12. TOOL

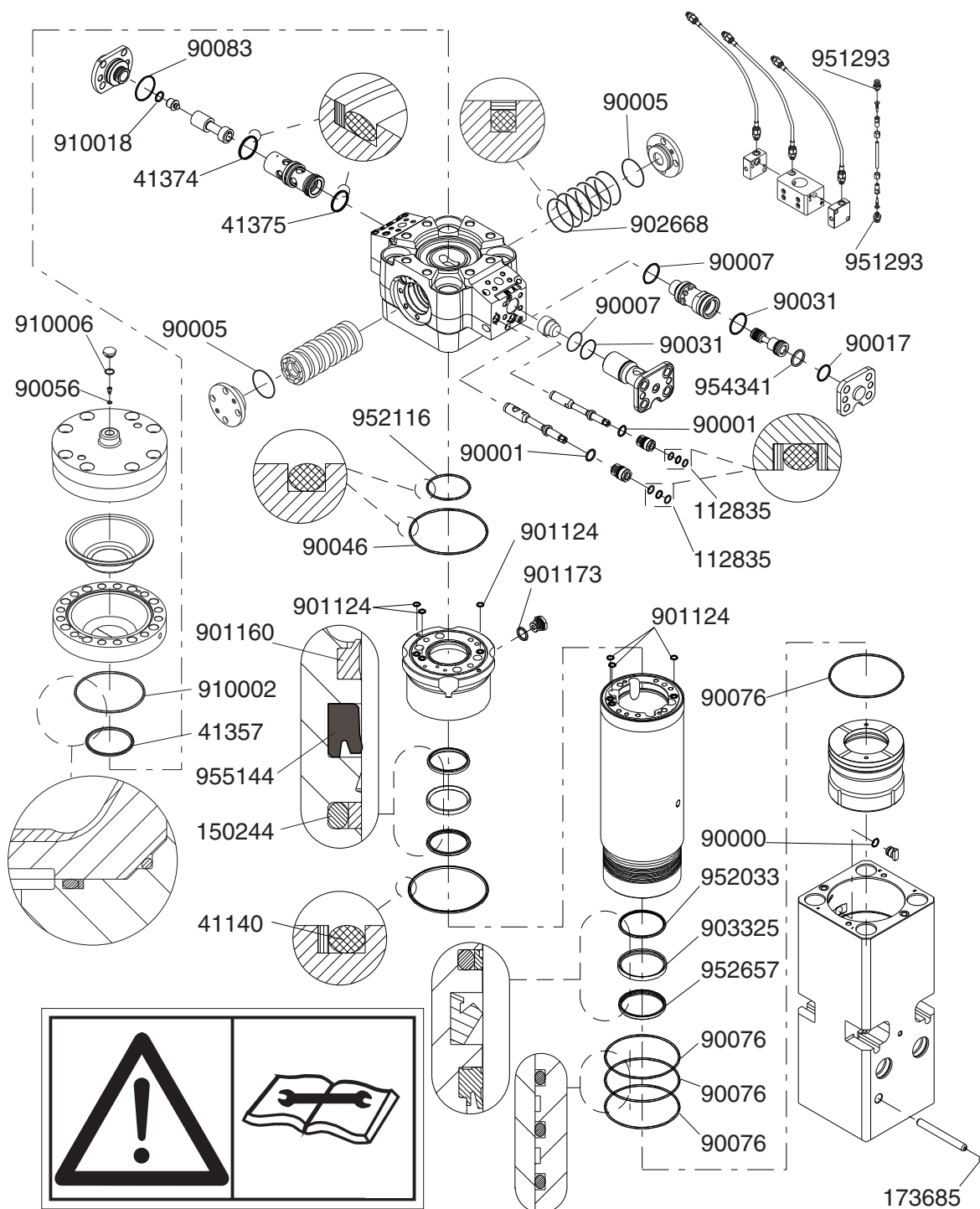


R061366

Item	Description	Part no.	Specification	Note	Qty
1	Chisel	881Z1	L = 1200 mm, W = 132 kg, D = 142 mm		1
2	Moil point	883Z1	L = 1200 mm, W = 130 kg, D = 142 mm		1
3	Hard Rock Chisel	881A2Z1	L = 1200 mm, W = 128 kg, D = 142 mm		1
4	Limestone Chisel	881F3Z1	L = 1200 mm, W = 137 kg, D = 142 mm		1

13. SEAL SET

Seal set 163428

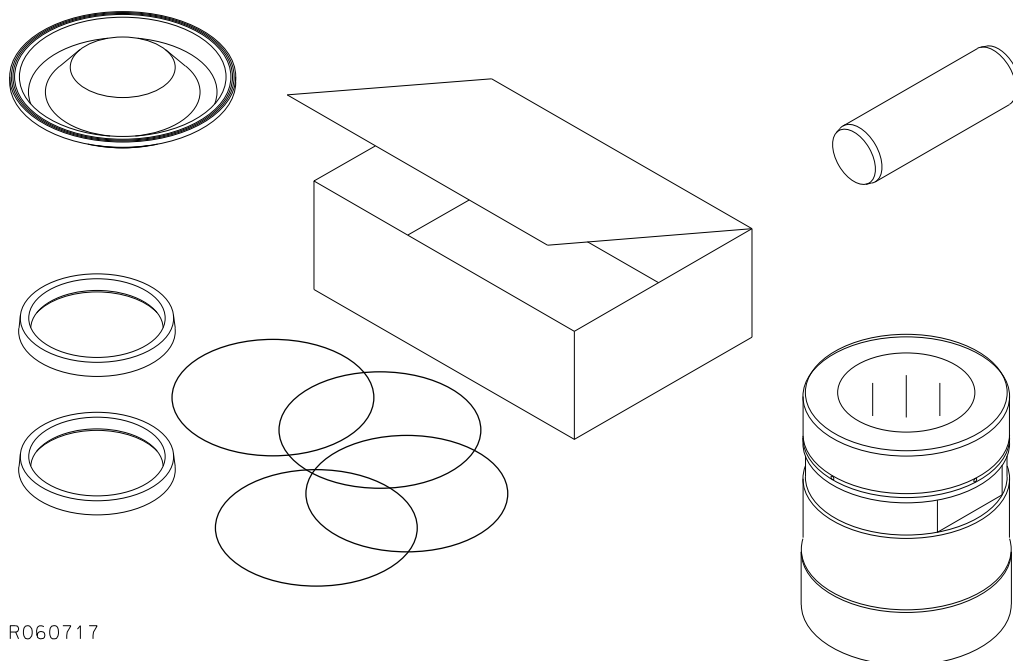


This summary only indicates the position of the seals. It must NOT be used as assembly instruction. Read the service manual. Notice! Assembly must be performed by qualified service personnel only.

R061442

Item	Description	Part no.	Specification	Note	Qty
Kit	Seal set (incl. parts 1-31)	163428			1
1	O-ring	910006	D23		1
2	Usit-ring	90056	8-13.9-1		1
3	Seal	41357	D124		1
4	O-ring	910002	D194		1
5	Seal	112835	D13		2
6	O-ring	90001	D20		2
7	O-ring	90083	D60		1
8	Seal	41375	D50		1
9	Seal	41374	D55		1
10	O-ring	910018	D21		1
11	Seal	902668	D110		6
12	O-ring	90005	D105		2
13	O-ring	90031	D46		1
14	O-ring	90007	D44		1
15	O-ring	90076	D229		4
16	O-ring	90000	D24		1
17	O-ring	901173	D27		1
18	Wiper	901160	D119		1
19	Seal	955144	D120		1
20	Seal	150244	D118		1
21	Wiper	952657	D135		1
22	Seal	952033	D135		1
23	Seal	903325	D135		1
24	Seal	41140	D239		1
25	O-ring	901124	D17		6
26	O-ring	90046	D239		1
27	O-ring	952116	D129		1
28	O-ring	951293	D9		6
29	O-ring	90017	D34		1
30	Seal	954341	D34		1
31	Rubber ring	173685			2

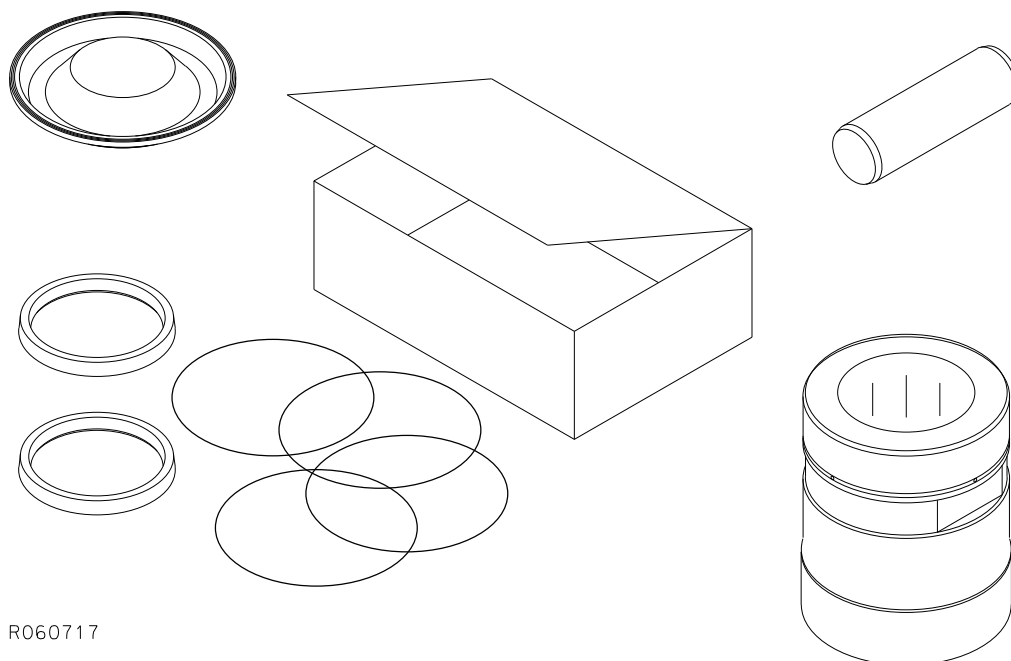
14. SERVICE KIT



R060717

Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 4)	K103288			1
1	Membrane	173532			1
2	Tool retaining pin	153235			2
3	Bronze insert kit	K20BRONZ E3288			1
4	Seal set	163428			1

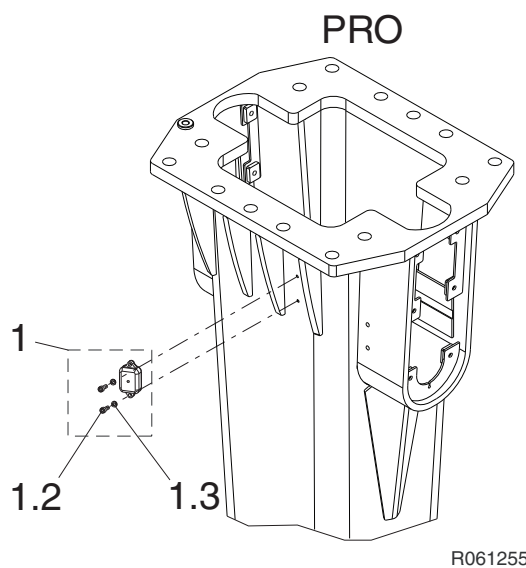
15. SERVICE KIT 2



R060717

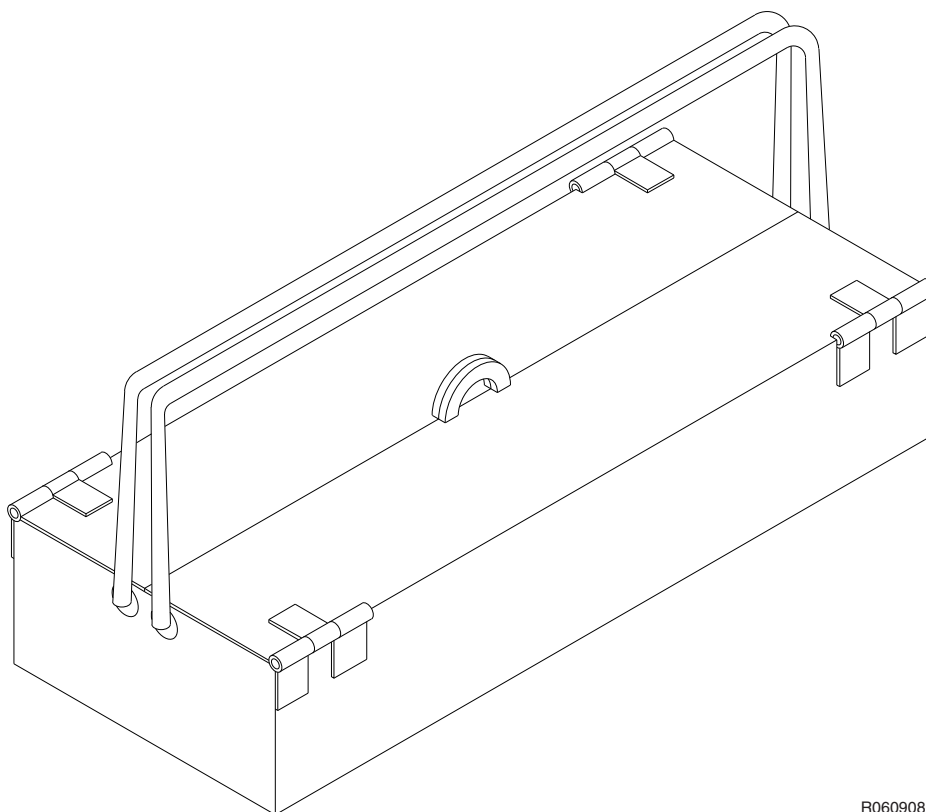
Item	Description	Part no.	Specification	Note	Qty
Kit	Service kit (incl. parts 1 - 4)	K203288			1
1	Pad	155438			2
2	Buffer	168203			1
3	Wear plate	174360			4
4	Upper tool bushing	101414			1

16. RAMDATA II SERVICE INDICATOR



Item	Description	Part no.	Specification	Note	Qty
1	Ramdata II service indicator (incl. parts 1.2-1.3)	159143			1
1.2	Hex. socket screw	91020	M8x25- 8.8 ISO 4762		2
1.3	Lock washer	91011	M8 NORD-LOCK		2

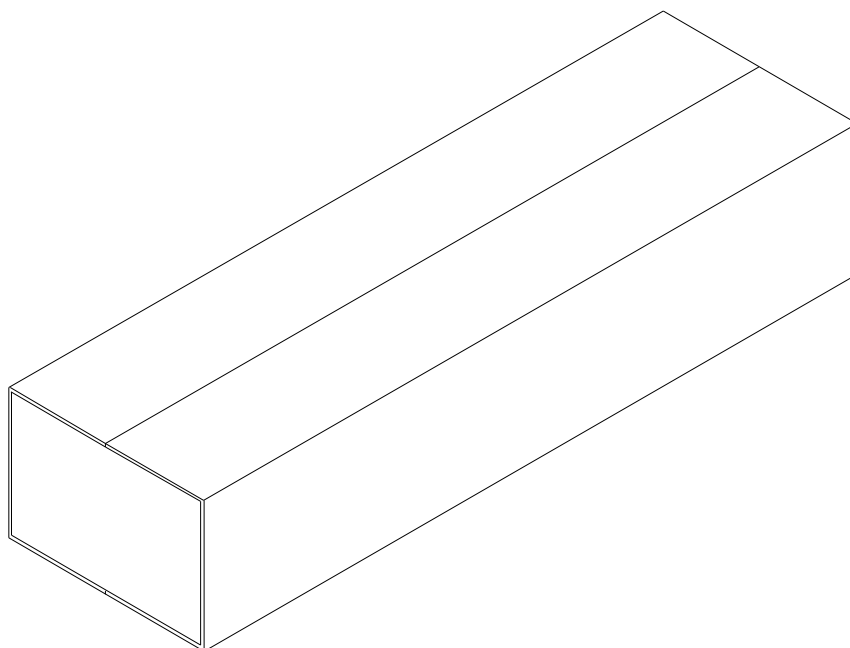
17. TOOL BOX PRO



R060908

Item	Description	Part no.	Specification	Note	Qty
Kit	Tool box PRO (incl. parts 1-10)	173750			1
1	Tool box	N/A			1
2	Grease gun	90202			1
3	Tool grease	902045			1
4	Puller	150020			1
5	Screwdriver	N/A	6x150		1
6	Combination spanner	N/A	12		1
7	Flange plug	90444	R3/8		3
8	Double open-end spanner	N/A	24/27		1
9	Safety glasses	N/A			1
10	Hex. socket	N/A	13 (1/4)		1

18. TOOL BOX TS1



R061320

Item	Description	Part no.	Specification	Note	Qty
Kit	Tool box TS1 (incl. parts 1-10)	173751			1
1	Cardboard box	N/A			1
2	Safety glasses	N/A			1
3	Slide hammer kit	169925			1
4	Cutting tool kit	171611			1



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