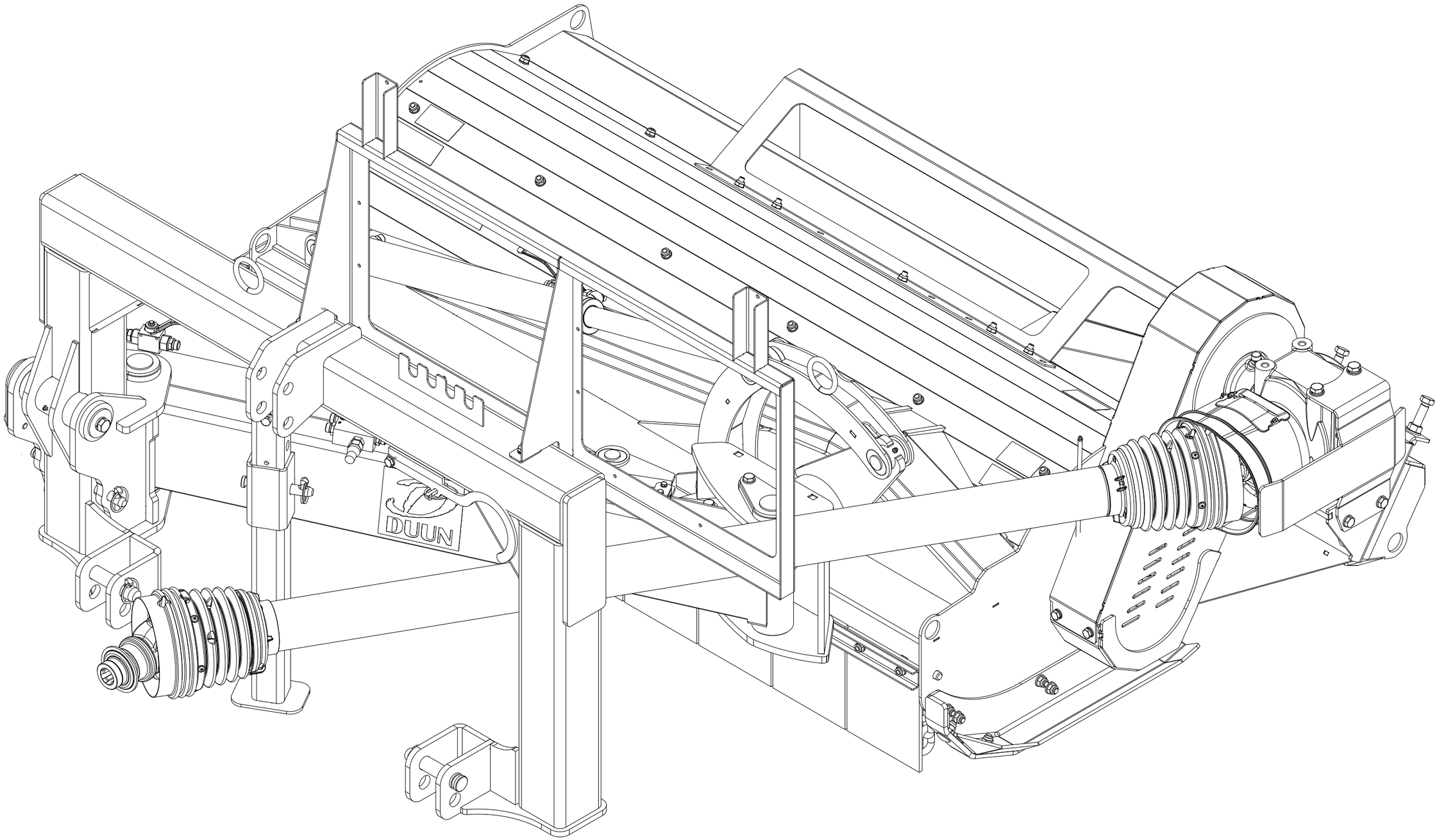
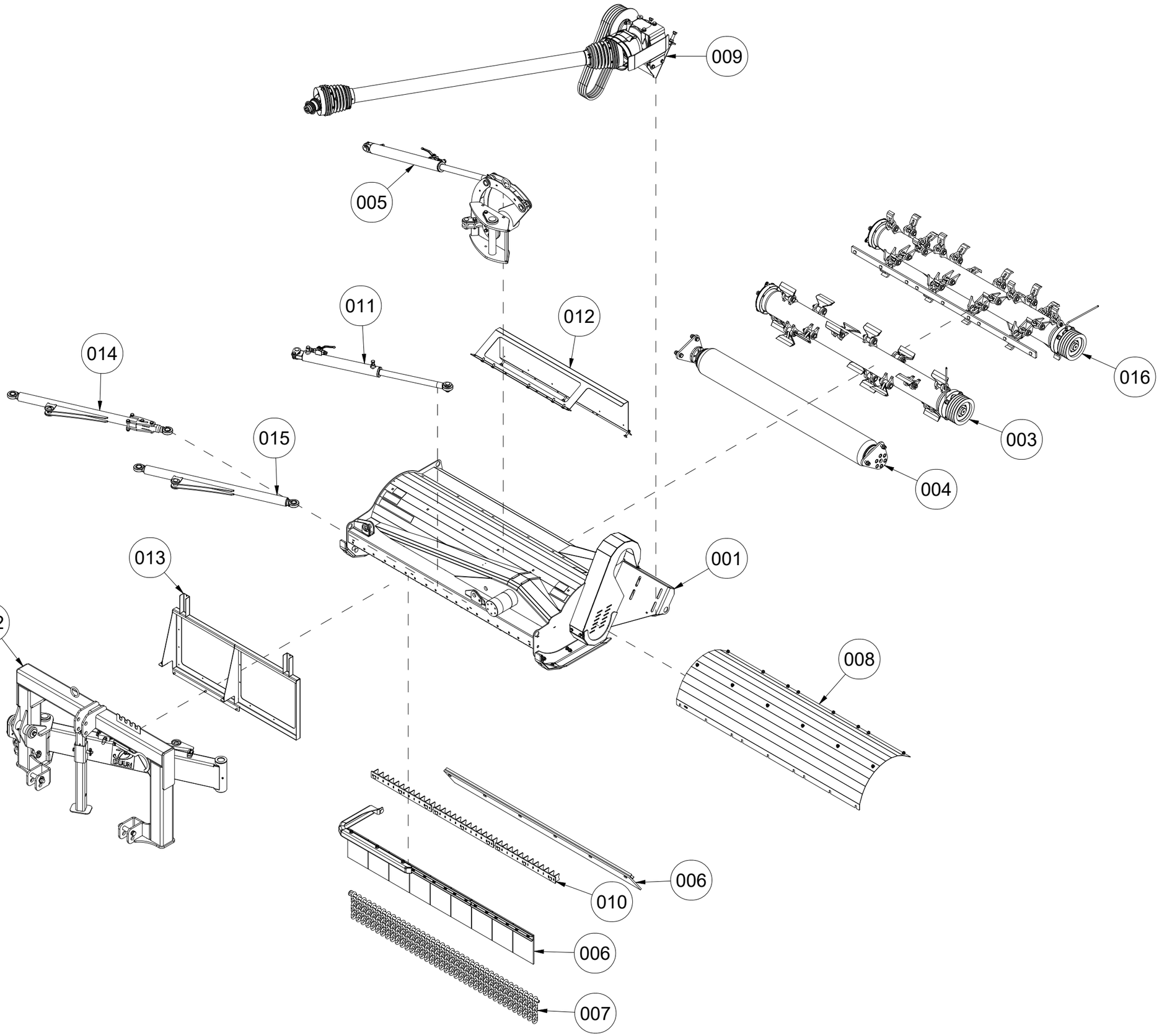
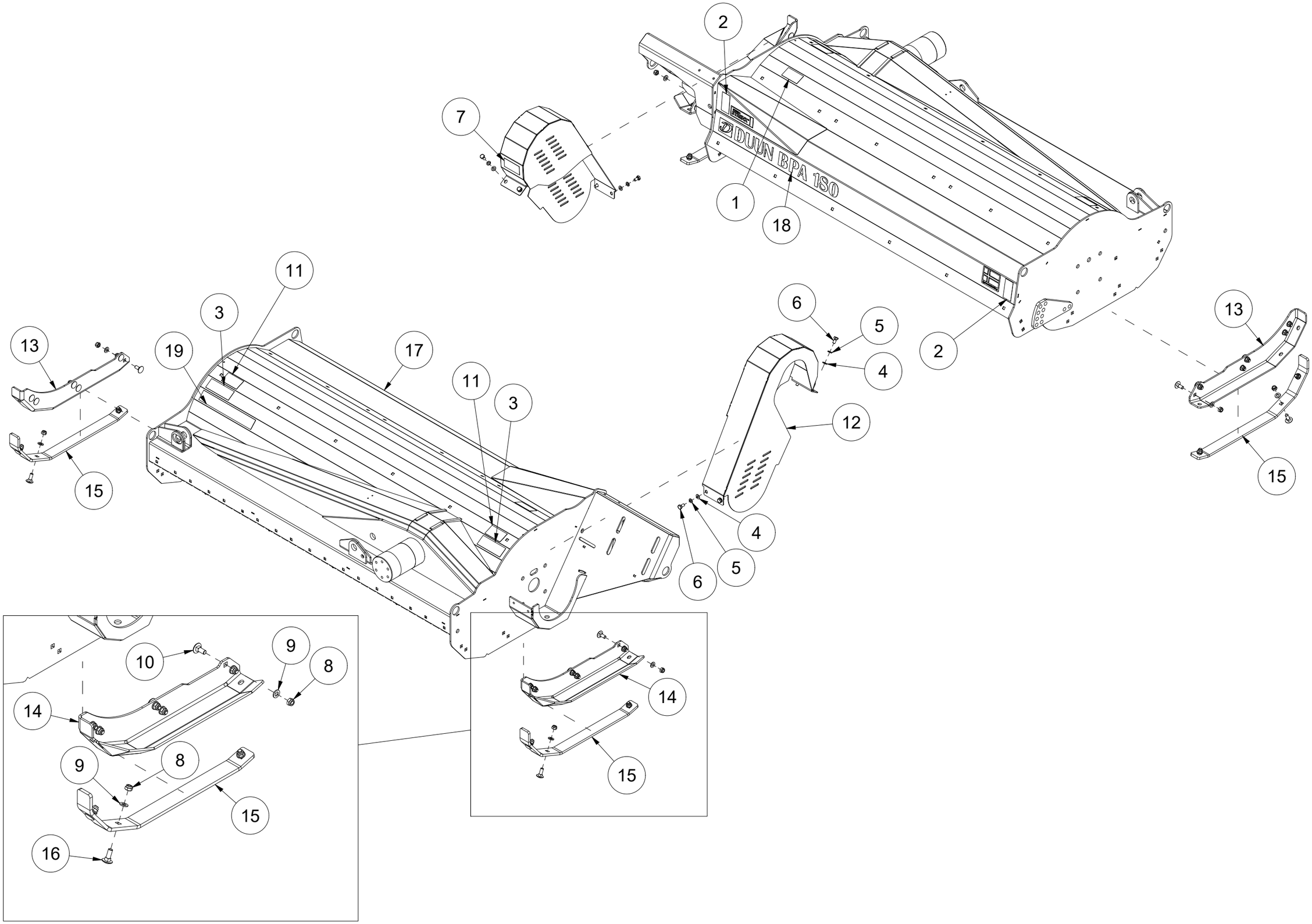
BPA180
Spare parts catalogue

Duun Industrier as
7630 Åsen, Norway
www.duun.no



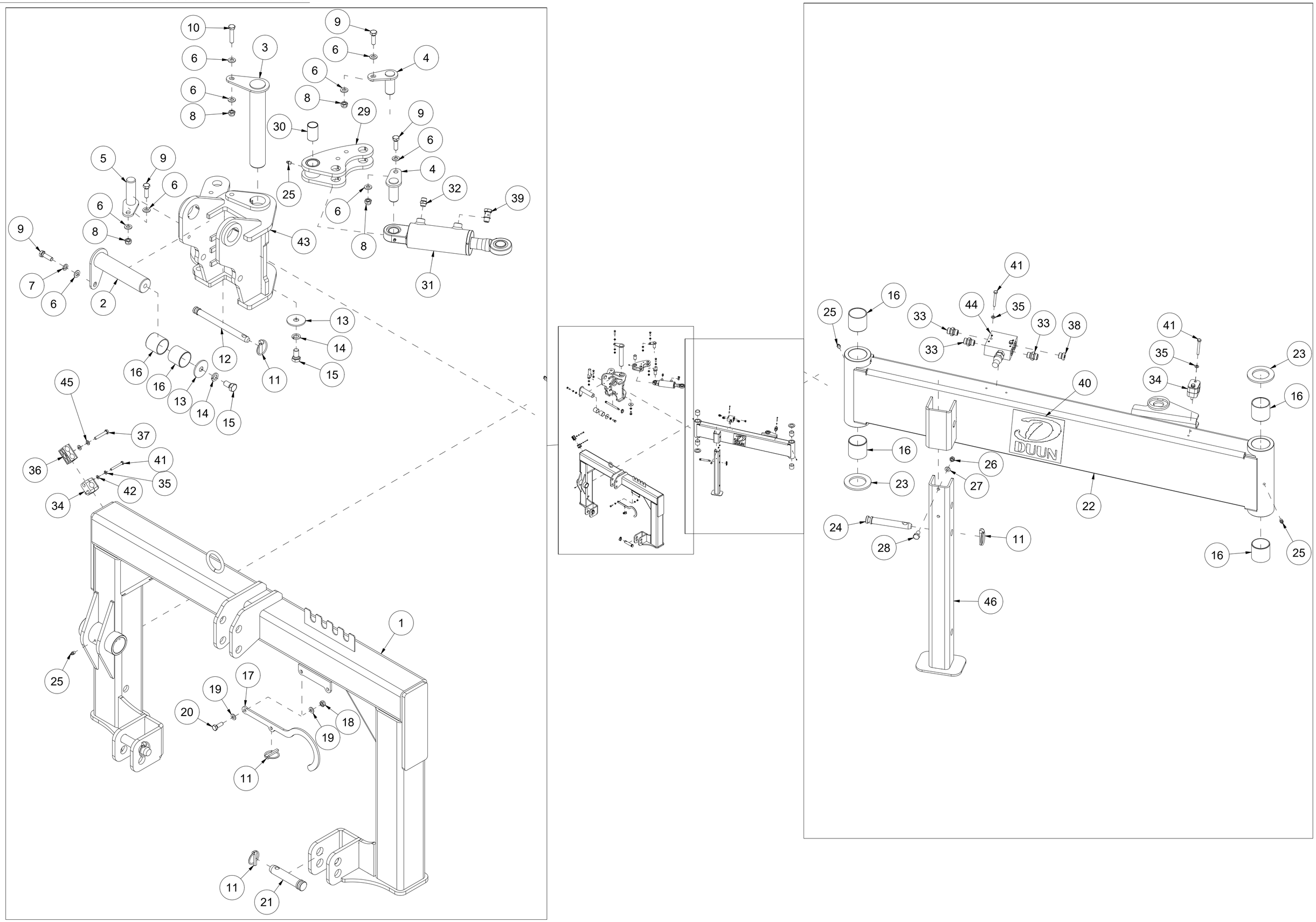

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001 Hull BPA180



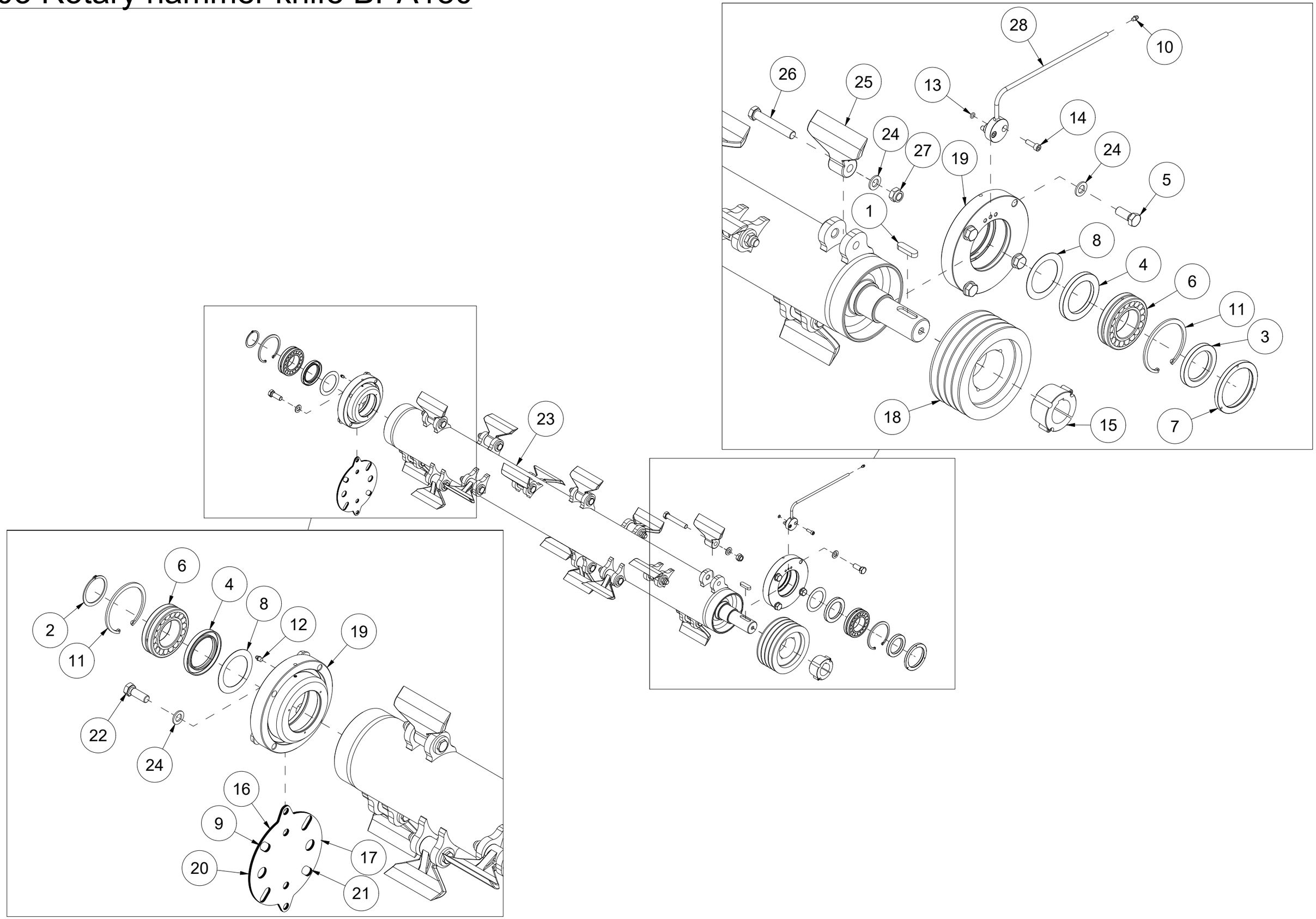
Pos	Qty	Article no	Designation
1	1	2935185	Adhesive label 90x48 Crush hazard
2	2	2935186	Adhesive label 48x90 Keep distance
3	2	2935188	Adhesive label 135x48 Cut hazard
4	4	2531060	Washer M10 ElZn DIN 125
5	4	2534060	Spring washer M10 ElZn DIN 127
6	4	2422295	Hexagon screw M10x20 ElZn 8.8 DIN 933
7	1	2935189	Adhesive label 90x48 Belt tensioning
8	18	2483611	Locking nut M12 ElZn DIN 985
9	18	2531069	Washer M12 ElZn DIN 125
10	12	2344348	Locking screw M12x30 ElZn 8.8 DIN 603
11	2	2935088	Adhesive label 90x48 Crushing hand hazard
12	1	27201021	Cover
13	1	27201063	Side bracket
14	1	27201065	Side bracket
15	2	27201064	Wear steel
16	6	2344350	Locking screw M12x35 ElZn 8.8 DIN 603
17	1	27211001	Hull BPA180
18	1	2935178	Adhesive label BPA180
19	1	2935121	Adhesive label 45x309 Mulcher 540 rpm

002 Tractor attachment BPA180



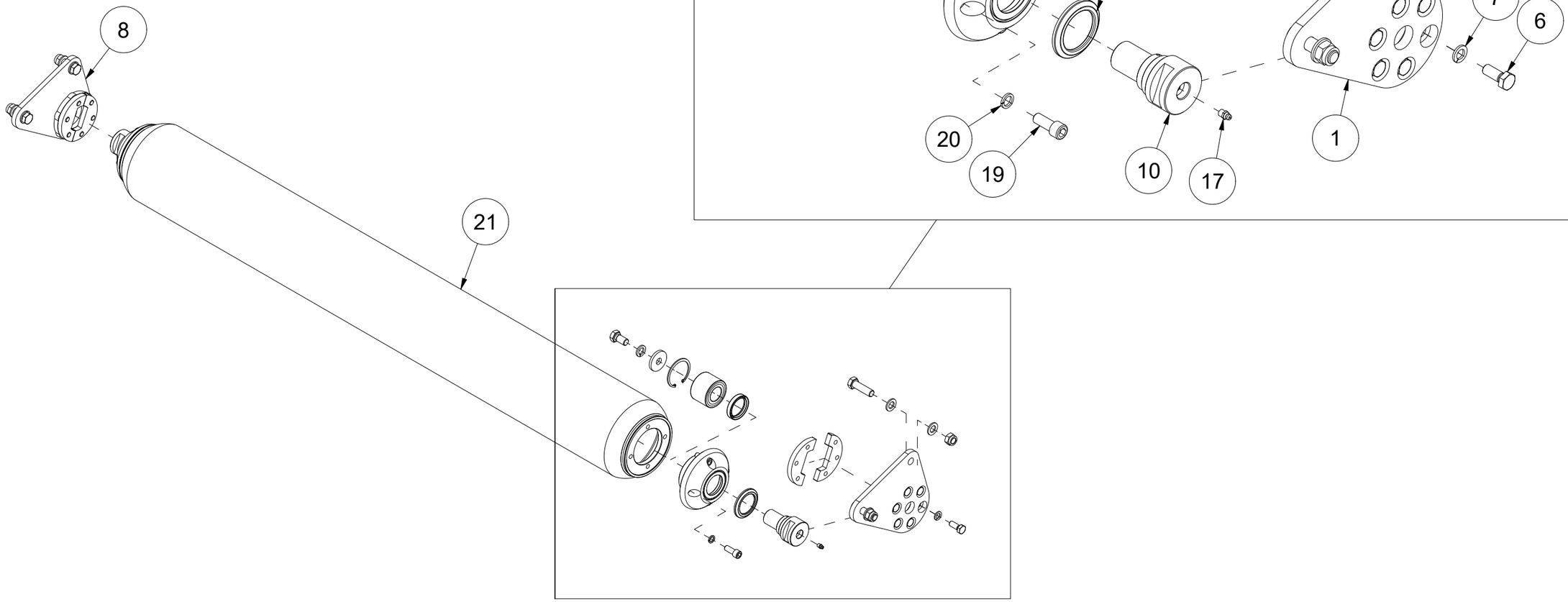
Pos	Qty	Article no	Designation
1	1	27201003	Tractor attachment
2	1	27201012	Bolt
3	1	27201010	Bolt
4	2	27201029	Bolt
5	1	27201044	Bolt
6	9	2531069	Washer M12 ElZn DIN 125
7	1	2534069	Spring washer M12 ElZn DIN 127
8	4	2483611	Locking nut M12 ElZn DIN 985
9	4	2422352	Hexagon screw M12x40 ElZn 8.8 DIN 933
10	1	2422358	Hexagon screw M12x55 ElZn 8.8 DIN 931
11	5	2556142	Linch pin Ø10x40
12	1	2526324	Top strut bolt cat. 1 Ø19x241
13	2	23521053	Washer Ø17/60x4
14	2	2534078	Spring washer M16 ElZn DIN 127
15	2	2422485	Hexagon screw M16x30 ElZn 8.8 DIN 933
16	6	2245250	Plastic bearing Ø50/55x50
17	1	27201054	Hook
18	1	2483610	Locking nut M10 ElZn DIN 985
19	2	2531060	Washer M10 ElZn DIN 125
20	1	2422299	Hexagon screw M10x30 ElZn 8.8 DIN 933
21	2	2551730	Drawbar bolt cat. 2 Ø28x95
22	1	27201040	Arm
23	2	27201055	Bronze washer
24	1	2526322	Top strut bolt cat. 1 Ø19x97
25	4	2478407	Grease nipple, Straight M8
26	1	2483609	Locking nut M8 ElZn DIN 985
27	2	2531047	Washer M8 ElZn DIN 125
28	1	2422295	Hexagon screw M10x20 ElZn 8.8 DIN 933
29	1	27201039	Joint
30	1	2245230	Plastic bearing 30x34x52
31	1	2955378	Cylinder Ø70/35 SL60
32	1	2478412	Breather plug 3/8"
33	3	2957749	Hexagon nipple GEK BSP 3/8" L12 ED
34	2	4251211	Hose holder Ø18x1
35	6	2534039	Spring washer M6 ElZn DIN 127
36	1	4251201	Hose holder
37	1	2422256	Hexagon screw M8x50 ElZn 8.8 DIN 931
38	1	2957410	Plug 3/8 w/Gasket
39	1	2957851	Banjobolt 3/8"
40	1	2935150	Adhesive label Duun 160x160
41	6	2422217	Hexagon screw M6x50 ElZn 8.8 DIN 931
42	2	2531039	Washer M6 ElZn DIN 125
43	1	27201067	Fastening to arm
44	1	2955100	Safety valve
45	1	2534047	Spring washer M8 ElZn DIN 127
46	1	27201075	Supporting leg

003 Rotary hammer knife BPA180



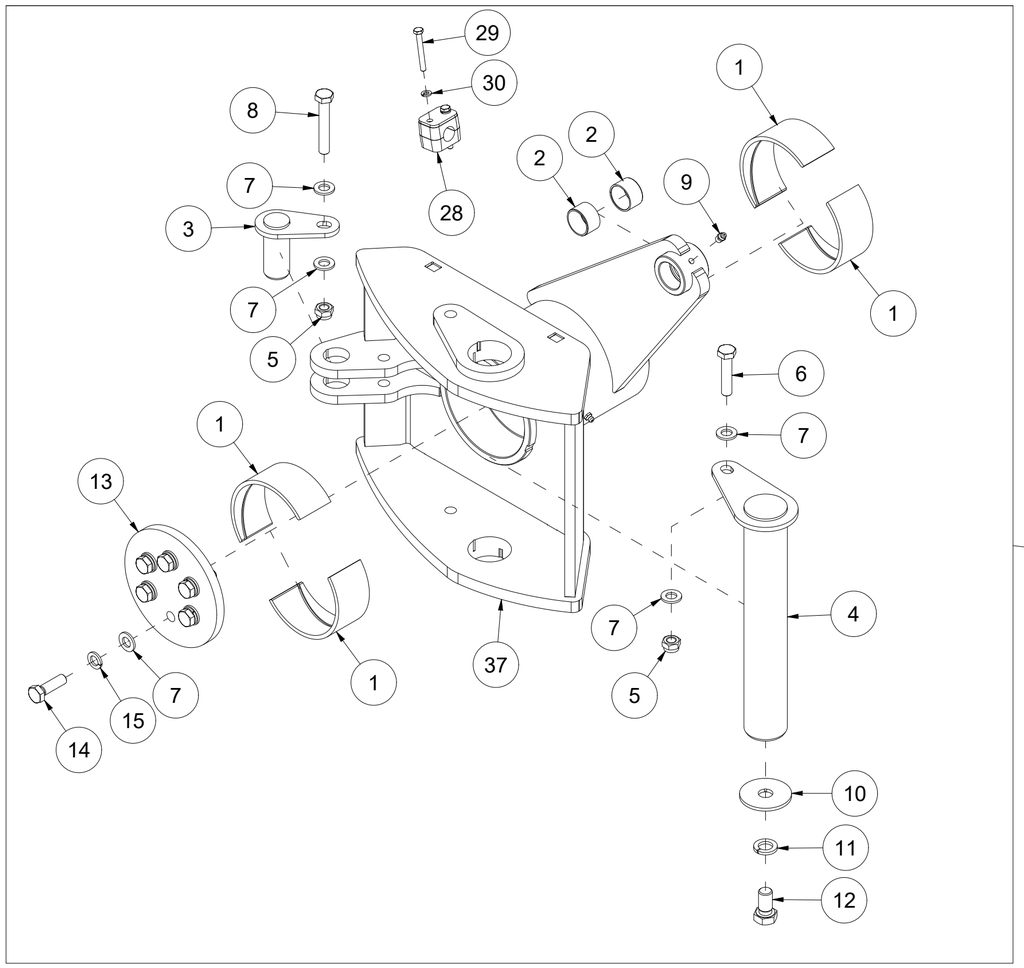
Pos	Qty	Article no	Designation
1	1	2115175	Cotter 14x9 L50 St DIN 6885A
2	1	2553160	Seegerring A 60x2,0 DIN 471
3	1	2234157	Simmerring Ø60/90x10
4	2	2234161	Simmerring Ø70/100x10 AS
5	4	2423489	Hexagon screw M16x40 ElZn 10.9 DIN 933
6	2	2953322	Roller bearing 22212.EAW33C3 Ø60/110x28
7	1	27121015	Ring
8	2	27101043	Holding washer
9	1	27121017	Shims rotor 3 mm
10	1	2478409	Grease nipple, Straight M6
11	2	2553310	Seeger ring I 110x4,0 DIN 472
12	1	2478407	Grease nipple, Straight M8
13	1	2233008	O-ring 8,00x2,00 NBR 70
14	2	2472315	Unbrako cylinder screw M8x25 ElZn DIN 912
15	1	2965317	Bushing Ø50 TL2517
16	1	27121031	Shims rotor 2 mm
17	1	27121034	Shims rotor 1 mm
18	1	2965355	Pulley 190x4 SPB 2517
19	2	27101057	Bearing
20	1	27121070	Shims rotor 5 mm
21	1	27121069	Shims rotor 4 mm
22	4	2423491	Hexagon screw M16x45 ElZn 10.9 DIN 933
23	1	27211002	Rotor 180
24	24	2531078	Washer M16 ElZn DIN 125
25	16	2112210	Hammer knife
26	16	2428502	Hexagon screw M16x1,5x100 ElZn 10.9 DIN 960
27	16	2482613	Locking nut M16x1,5 ElZn DIN 985
28	1	27201036	Lubrication adapter

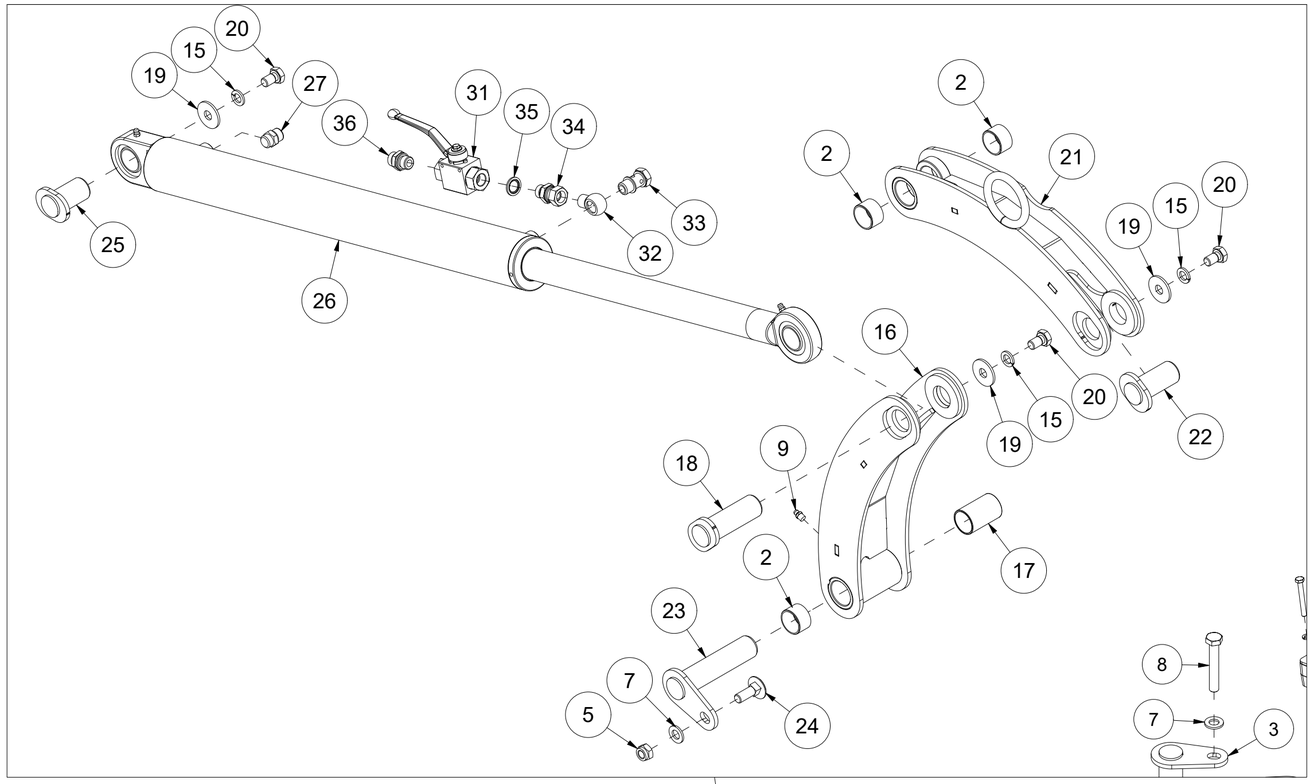
004 Roller BPA180

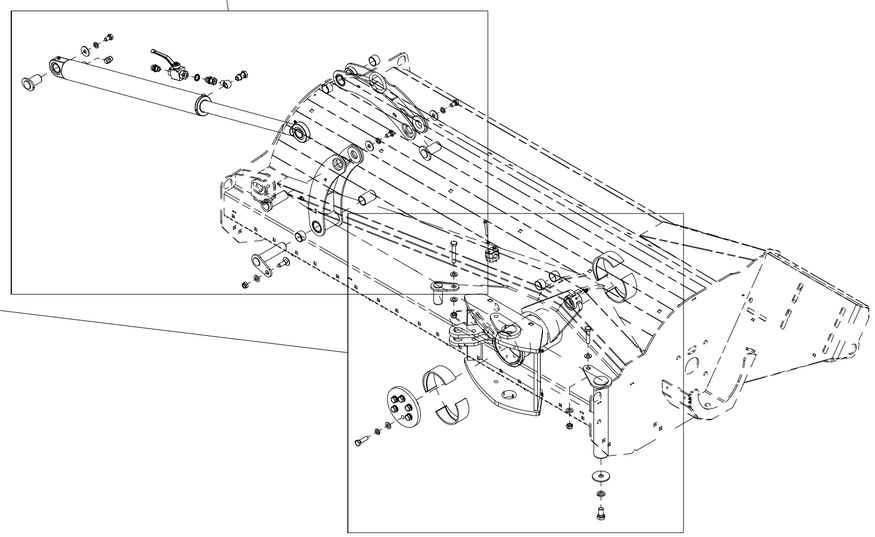


Pos	Qty	Article no	Designation
1	1	27121013	Left side bracket
2	8	2531078	Washer M16 ElZn DIN 125
3	4	2483613	Locking nut M16 ElZn DIN 985
4	4	2422494	Hexagon screw M16x55 ElZn 8.8 DIN 931
5	4	27121054	Festening
6	12	2422348	Hexagon screw M12x30 ElZn 8.8 DIN 933
7	12	2534069	Spring washer M12 ElZn DIN 127
8	1	27121018	Right side bracket
9	2	27121052	Bearing
10	2	27121053	Shaft
11	2	27121057	Washer Ø16/50x6
12	2	2422485	Hexagon screw M16x30 ElZn 8.8 DIN 933
13	2	2534078	Spring washer M16 ElZn DIN 127
14	2	2232350	Sealing Ø50x72x5,5 9RB
15	2	2953323	Bearing Ø35/68x48
16	2	2234151	Simmer ring Ø45/60x10
17	2	2478407	Grease nipple, Straight M8
18	2	2553268	Seeger ring I 68x2,5 DIN 472
19	8	2477348	Unbrako cylinder screw M12x30 ElZn DIN 912
20	8	2534070	Spring washer M12 ElZn DIN 7980
21	1	27211003	Roller 180

005 Swivel bracket BPA180

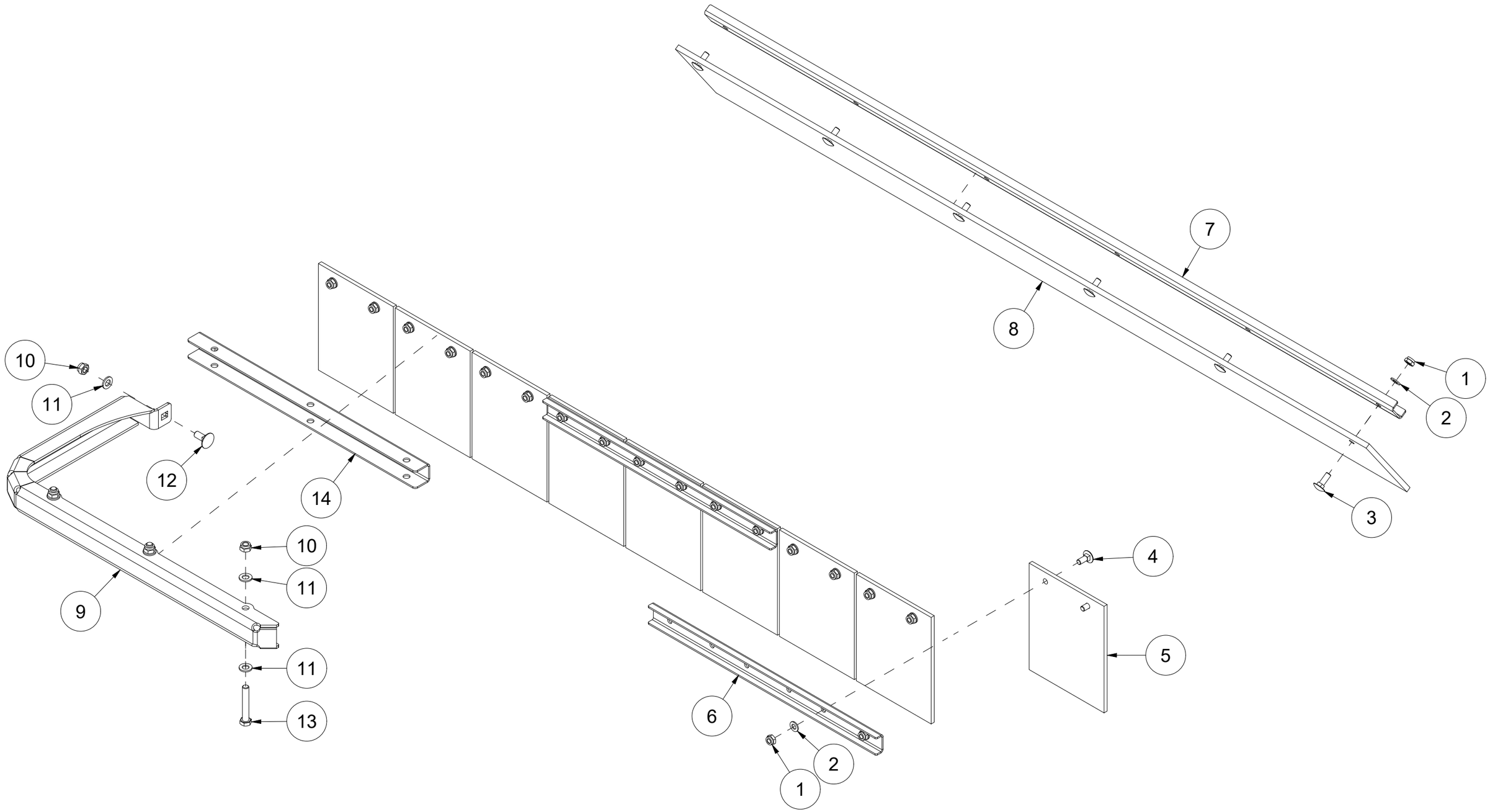






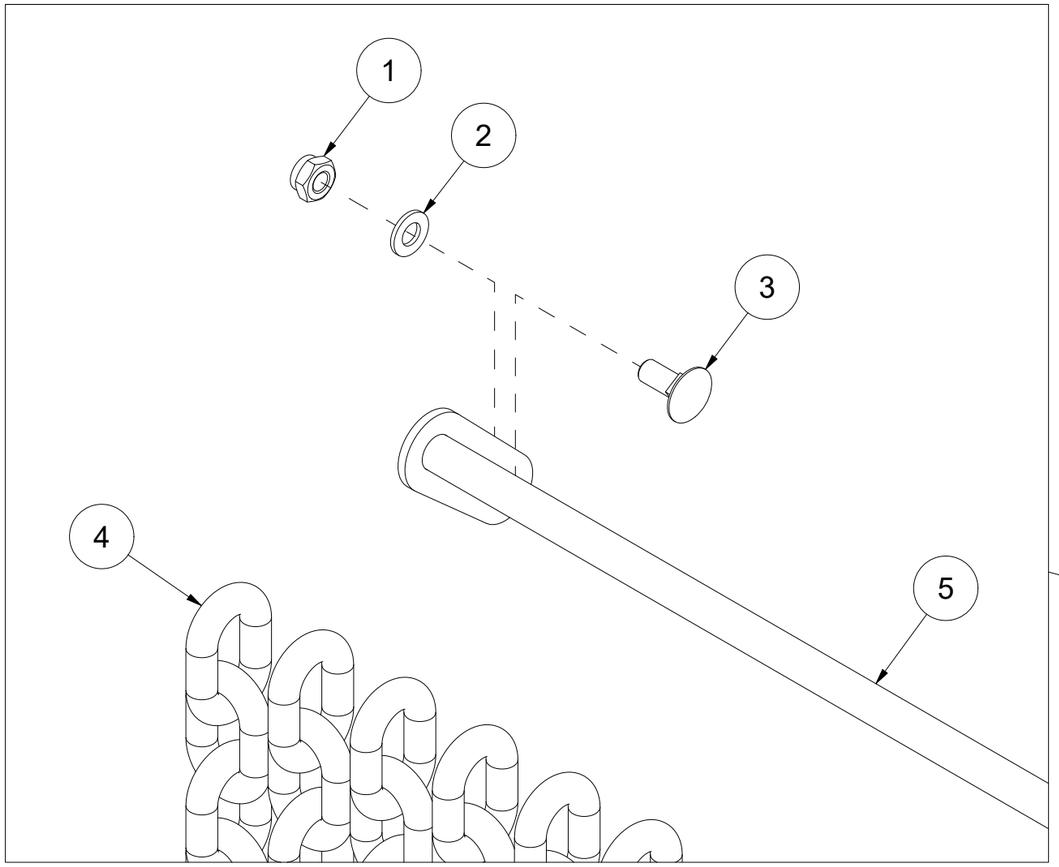
Pos	Qty	Article no	Designation
1	4	2245024	Plastic bearing Ø128x5
2	5	2245228	Plastic bearing Ø30/34x20
3	1	27201029	Bolt
4	1	27201010	Bolt
5	3	2483611	Locking nut M12 ElZn DIN 985
6	1	2422358	Hexagon screw M12x55 ElZn 8.8 DIN 931
7	11	2531069	Washer M12 ElZn DIN 125
8	1	2422362	Hexagon screw M12x75 ElZn 8.8 DIN 931
9	3	2478407	Grease nipple, Straight M8
10	1	23521053	Washer Ø17/60x4
11	1	2534078	Spring washer M16 ElZn DIN 127
12	1	2422485	Hexagon screw M16x30 ElZn 8.8 DIN 933
13	1	27201015	Washer
14	6	2422352	Hexagon screw M12x40 ElZn 8.8 DIN 933
15	9	2534069	Spring washer M12 ElZn DIN 127
16	1	27201008	Link
17	1	2245230	Plastic bearing 30x34x52
18	1	27201032	Bolt
19	3	2533090	Body washer M12 ElZn DIN 9021
20	3	2422344	Hexagon screw M12x20 ElZn 8.8 DIN 933
21	1	27201049	Link
22	1	27201033	Bolt
23	1	27201052	Bolt
24	1	2344350	Locking screw M12x35 ElZn 8.8 DIN 603
25	1	27201045	Bolt
26	1	2955377	Cylinder Ø60/40 SL550
27	1	2478412	Breather plug 3/8"
28	1	4251211	Hose holder Ø18x1
29	2	2422217	Hexagon screw M6x50 ElZn 8.8 DIN 931
30	2	2534039	Spring washer M6 ElZn DIN 127
31	1	2957604	Shut down valve 3/8"
32	1	2957850	Banjo 3/8"
33	1	2957851	Banjobolt 3/8"
34	1	2957742	Swivel nipple 3/8" - 3/8"
35	1	2957890	Hydraulic seal 3/8"
36	1	2957749	Hexagon nipple GEK BSP 3/8" L12 ED
37	1	27201068	Swivel bracket

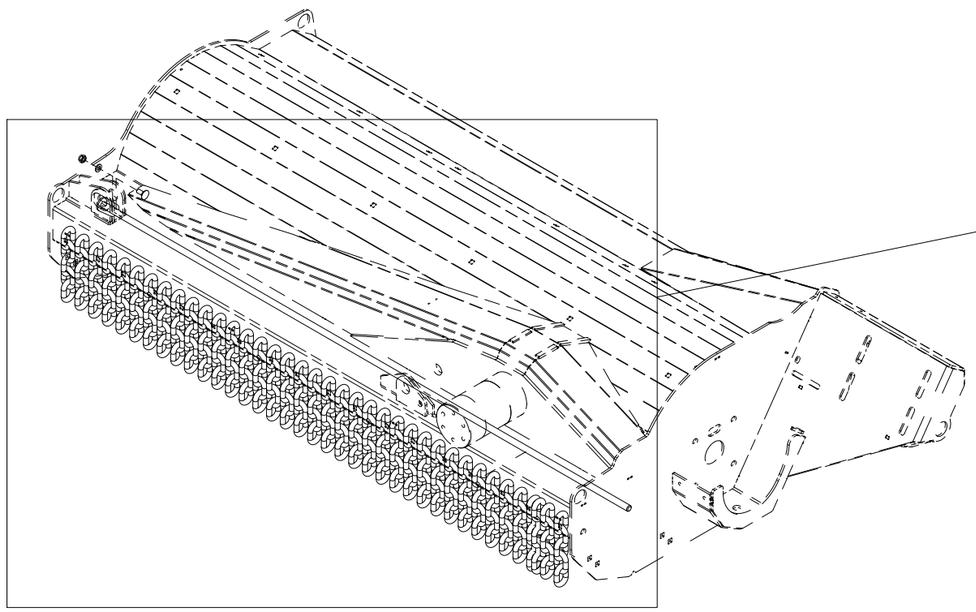
006 Protection BPA180

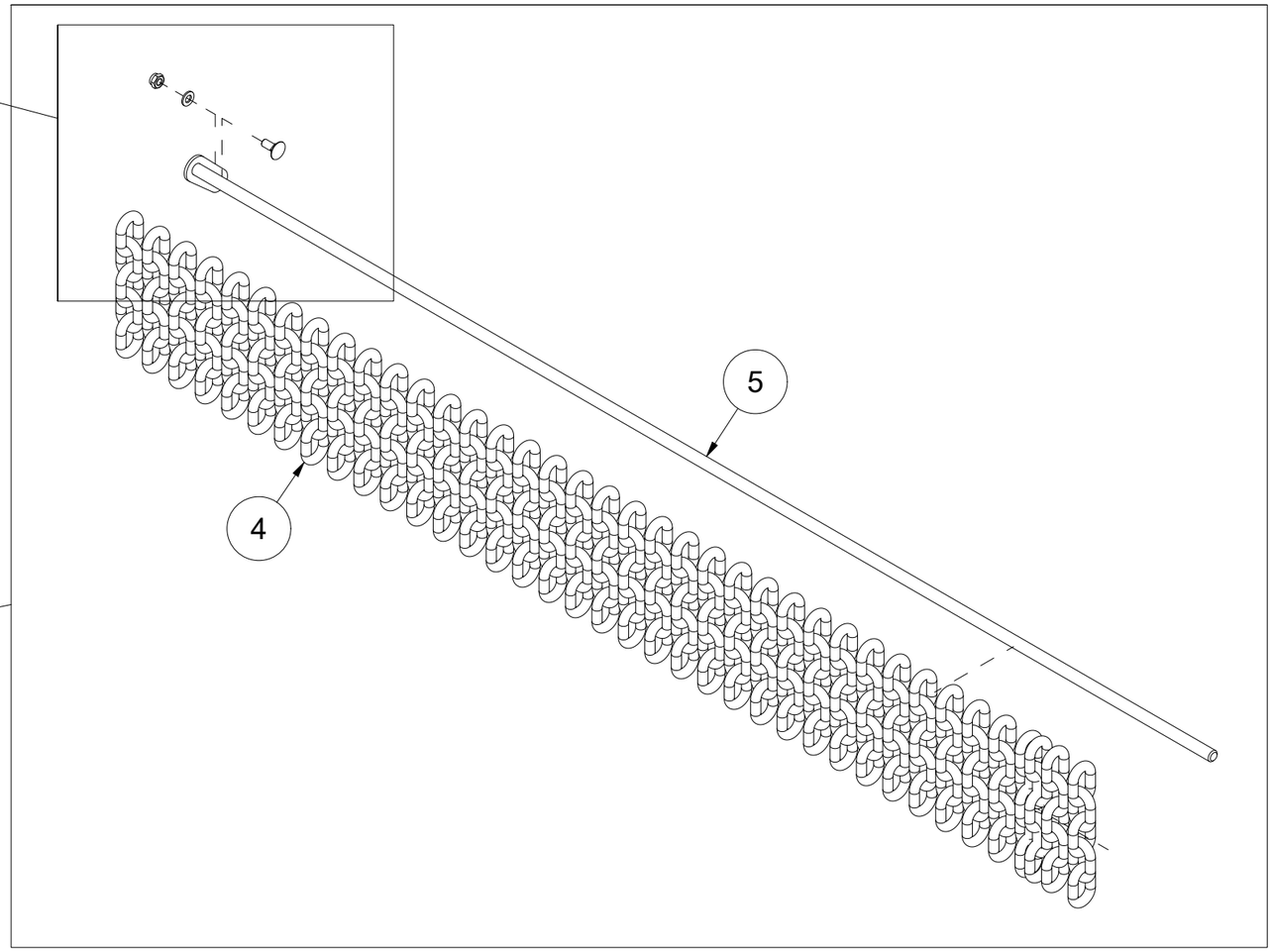


Pos	Qty	Article no	Designation
1	24	2483610	Locking nut M10 ElZn DIN 985
2	24	2531060	Washer M10 ElZn DIN 125
3	6	2344331	Locking screw M10x30 ElZn 8.8 DIN 603
4	18	2344330	Locking screw M10x25 ElZn 8.8 DIN 603
5	9	27201026	Rubber protection
6	2	27201060	Rail clamp
7	1	27211004	Rail clamp
8	1	27211005	Rubber plate
9	1	27201082	Angle bracket
10	4	2483611	Locking nut M12 ElZn DIN 985
11	7	2531069	Washer M12 ElZn DIN 125
12	1	2344348	Locking screw M12x30 ElZn 8.8 DIN 603
13	3	2422362	Hexagon screw M12x75 ElZn 8.8 DIN 931
14	1	27201083	Rail clamp

007 Protection chain BPA180

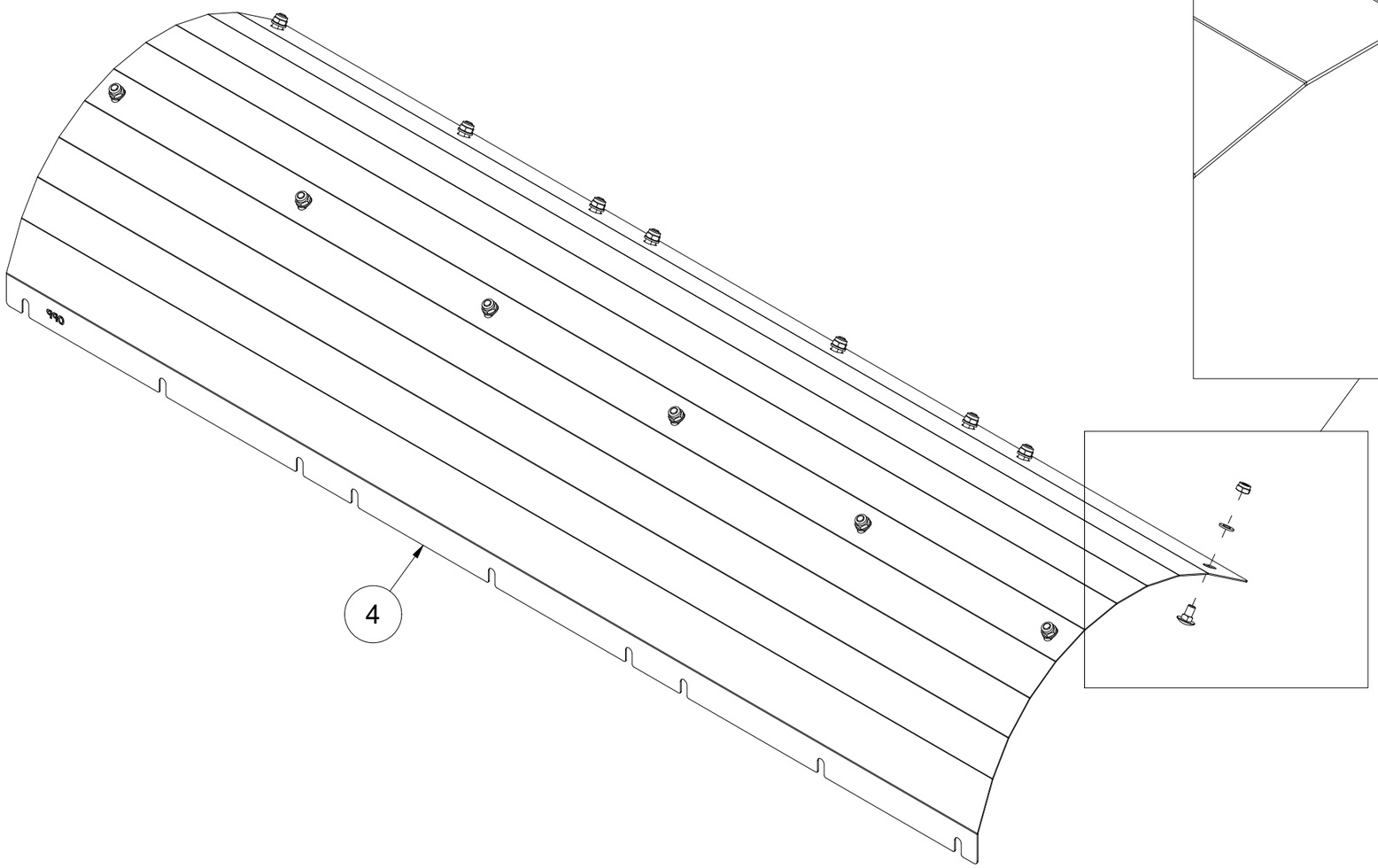






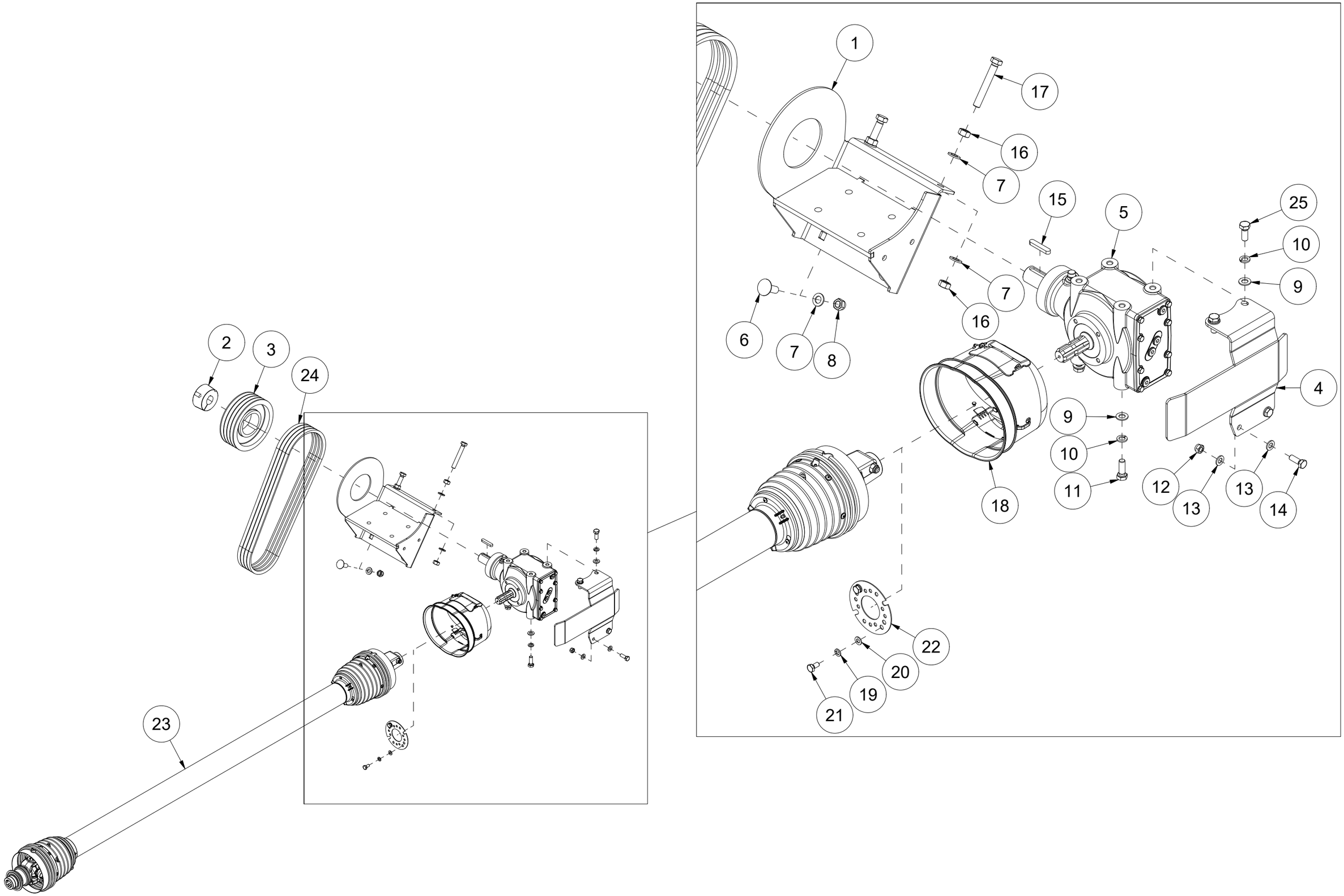
Pos	Qty	Article no	Designation
1	1	2483610	Locking nut M10 ElZn DIN 985
2	1	2531060	Washer M10 ElZn DIN 125
3	1	2344330	Locking screw M10x25 ElZn 8.8 DIN 603
4	38	2555014	Chain 5 links
5	1	27211006	Rod

008 Protective cover BPA180



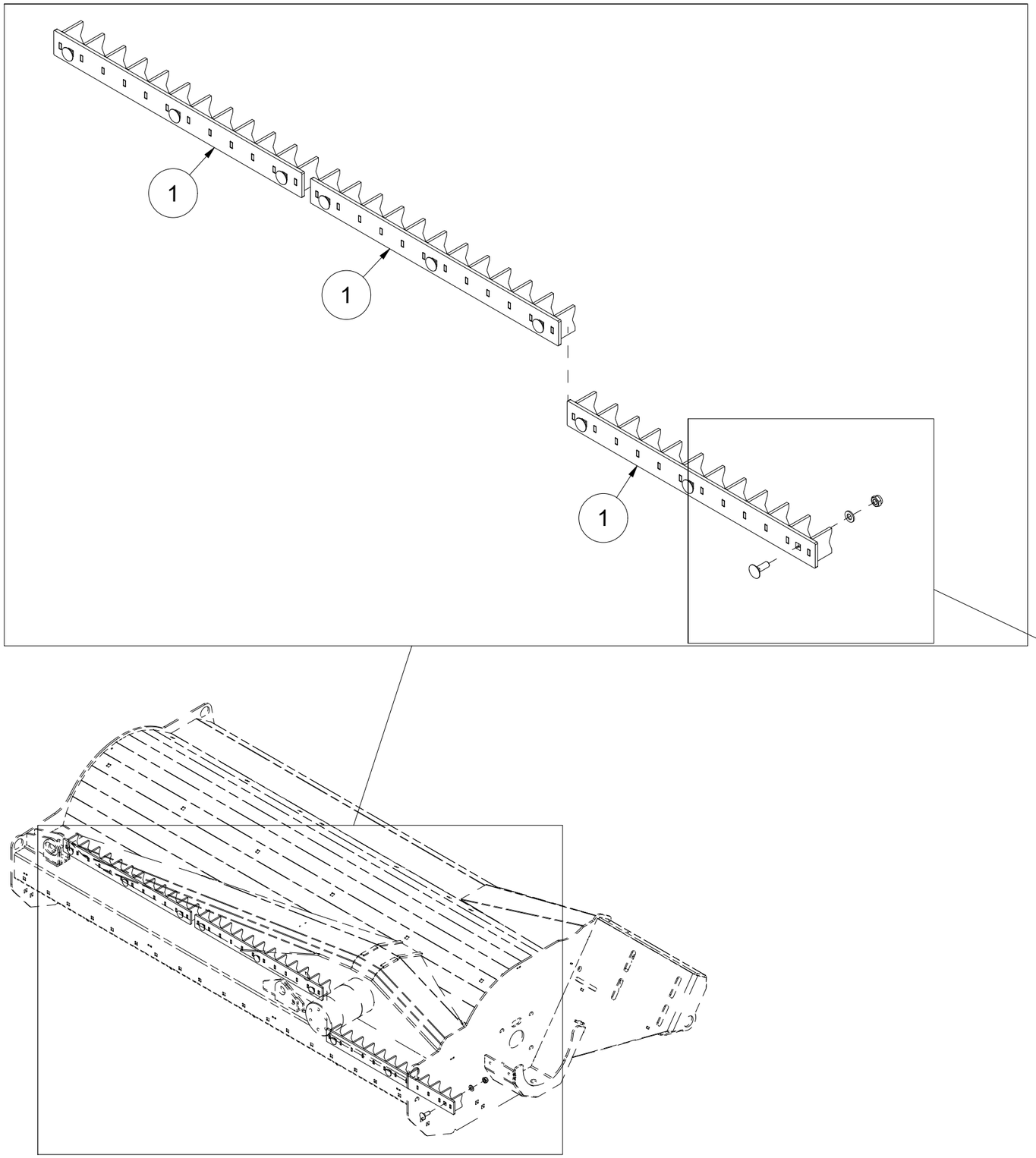
Pos	Qty	Article no	Designation
1	14	2483610	Locking nut M10 ElZn DIN 985
2	14	2531060	Washer M10 ElZn DIN 125
3	14	2344295	Locking screw M10x20 ElZn 8.8 DIN 603
4	1	27211008	Wear cover

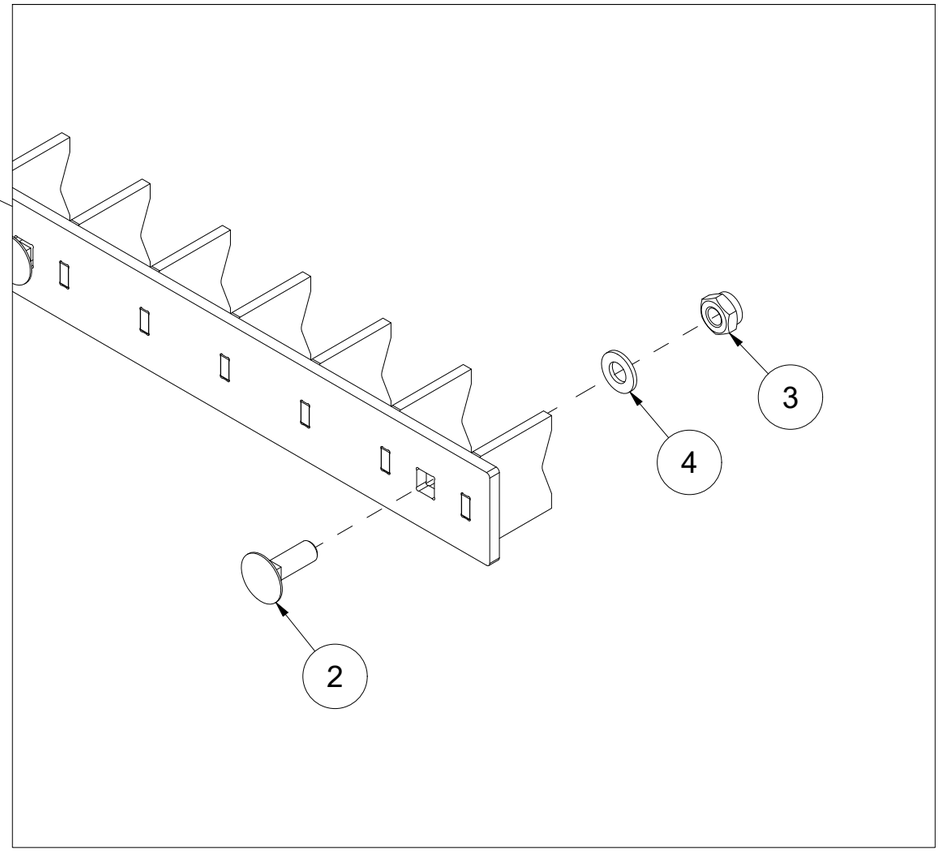
009 Driveline BPA180



Pos	Qty	Article no	Designation
1	1	27201018	Bracket
2	1	2965320	Bushing Ø40 TL3020
3	1	2965357	Pulley 236x4 SPB 3020
4	1	27201035	Bracket
5	1	2961136	Gearbox 1:3,08 90°
6	4	2344491	Locking screw M16x45 ElZn 8.8 DIN 603
7	8	2531078	Washer M16 ElZn DIN 125
8	4	2483613	Locking nut M16 ElZn DIN 985
9	6	2531072	Washer M14 ElZn DIN 125
10	6	2534072	Spring washer M14 ElZn DIN 127
11	4	2422398	Hexagon screw M14x40 ElZn 8.8 DIN 933
12	2	2483611	Locking nut M12 ElZn DIN 985
13	4	2531069	Washer M12 ElZn DIN 125
14	2	2422350	Hexagon screw M12x35 ElZn 8.8 DIN 933
15	1	2115164	Cotter 12x8 L63 St DIN 6885A
16	4	2481613	Hexagon nut M16 ElZn DIN 934
17	2	2425503	Hexagon screw M16x110 ElZn 8.8 DIN 933
18	1	27101027	Safety funnel
19	2	2534060	Spring washer M10 ElZn DIN 127
20	2	2531060	Washer M10 ElZn DIN 125
21	2	2422295	Hexagon screw M10x20 ElZn 8.8 DIN 933
22	1	31231079	Fixing plate for safety funnel
23	1	2962152	Power transmission shaft wide angle (2x) 3/8" L1910
24	4	2965230	V-belt XPB L1600
25	2	2422396	Hexagon screw M14x35 ElZn 8.8 DIN 933

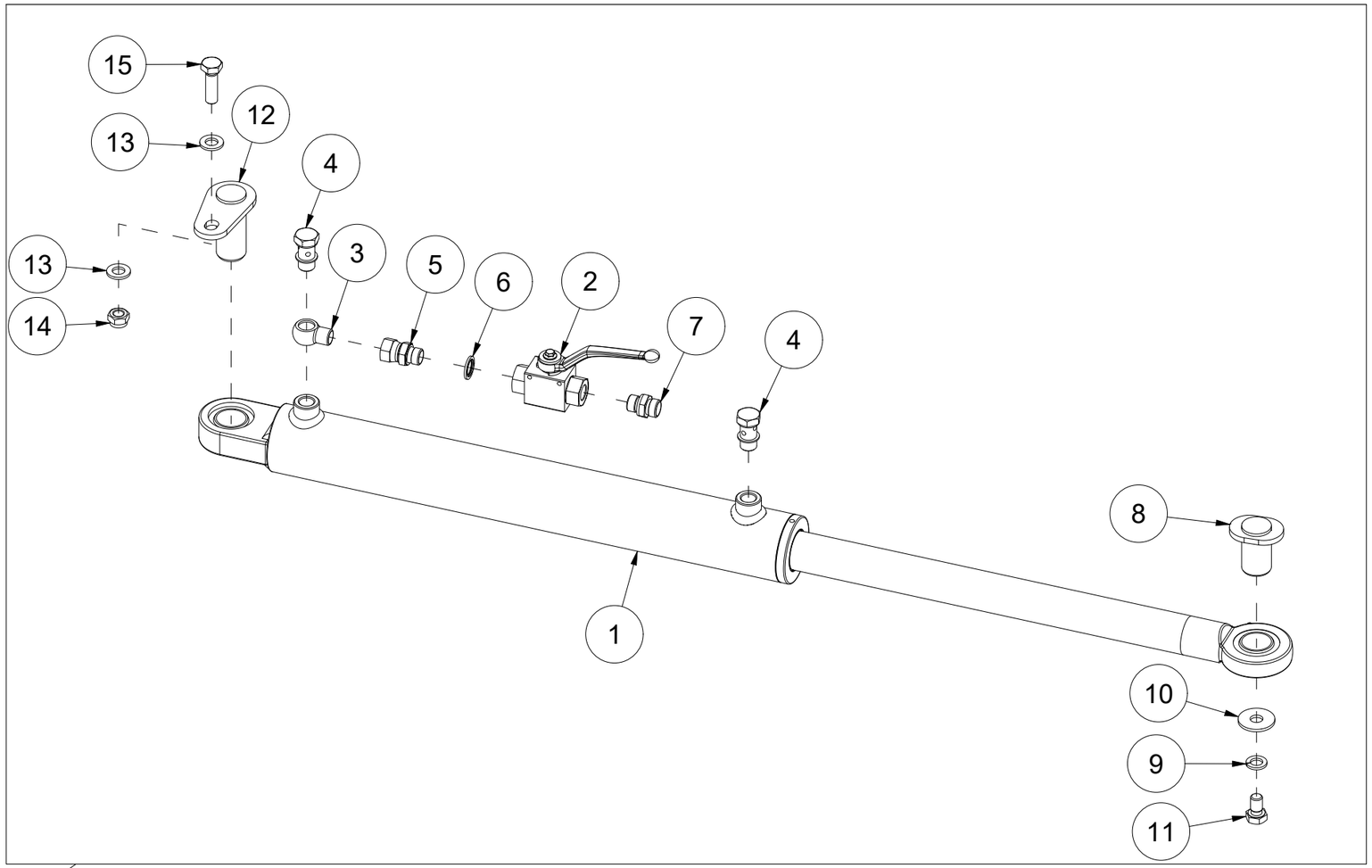
010 Counter knives BPA180

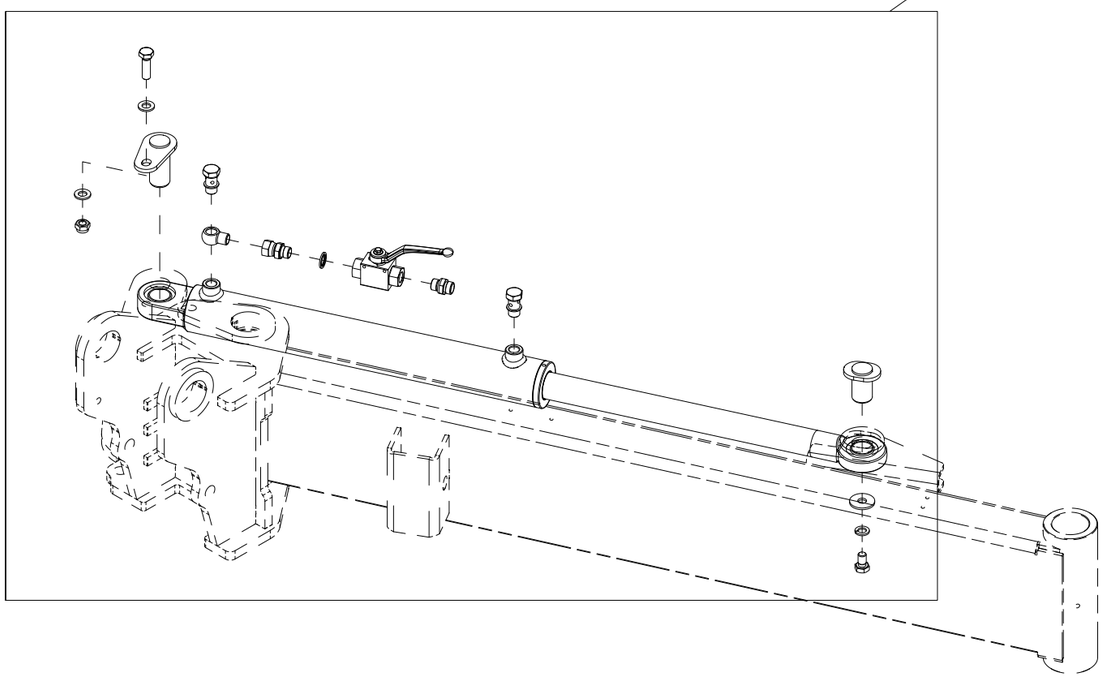




Pos	Qty	Article no	Designation
1	3	27121058	Knife
2	9	2344331	Locking screw M10x30 ElZn 8.8 DIN 603
3	9	2483610	Locking nut M10 ElZn DIN 985
4	9	2531060	Washer M10 ElZn DIN 125

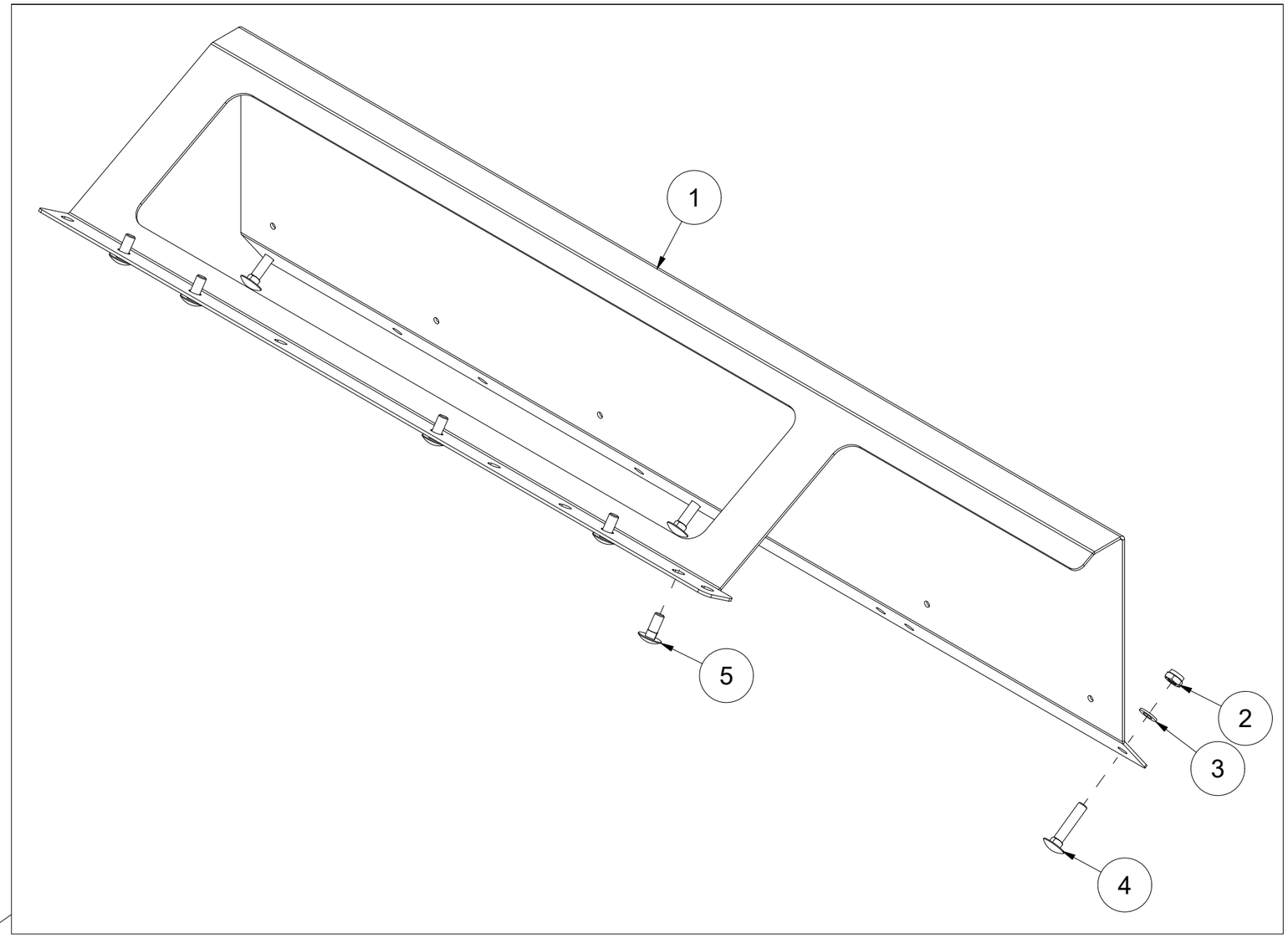
011 Boom cylinder BPA180

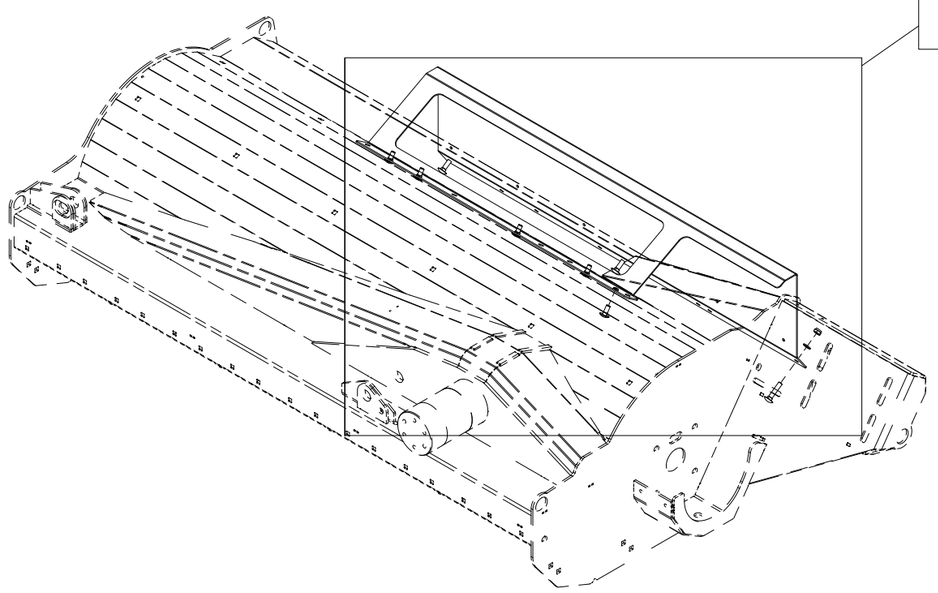




Pos	Qty	Article no	Designation
1	1	2955376	Cylinder Ø60/40 SL420
2	1	2957604	Shut down valve 3/8"
3	1	2957850	Banjo 3/8"
4	2	2957851	Banjobolt 3/8"
5	1	2957742	Swivel nipple 3/8" - 3/8"
6	1	2957890	Hydraulic seal 3/8"
7	1	2957749	Hexagon nipple GEK BSP 3/8" L12 ED
8	1	27201030	Bolt
9	1	2534069	Spring washer M12 ElZn DIN 127
10	1	2533090	Body washer M12 ElZn DIN 9021
11	1	2422344	Hexagon screw M12x20 ElZn 8.8 DIN 933
12	1	27201029	Bolt
13	2	2531069	Washer M12 ElZn DIN 125
14	1	2483611	Locking nut M12 ElZn DIN 985
15	1	2422352	Hexagon screw M12x40 ElZn 8.8 DIN 933

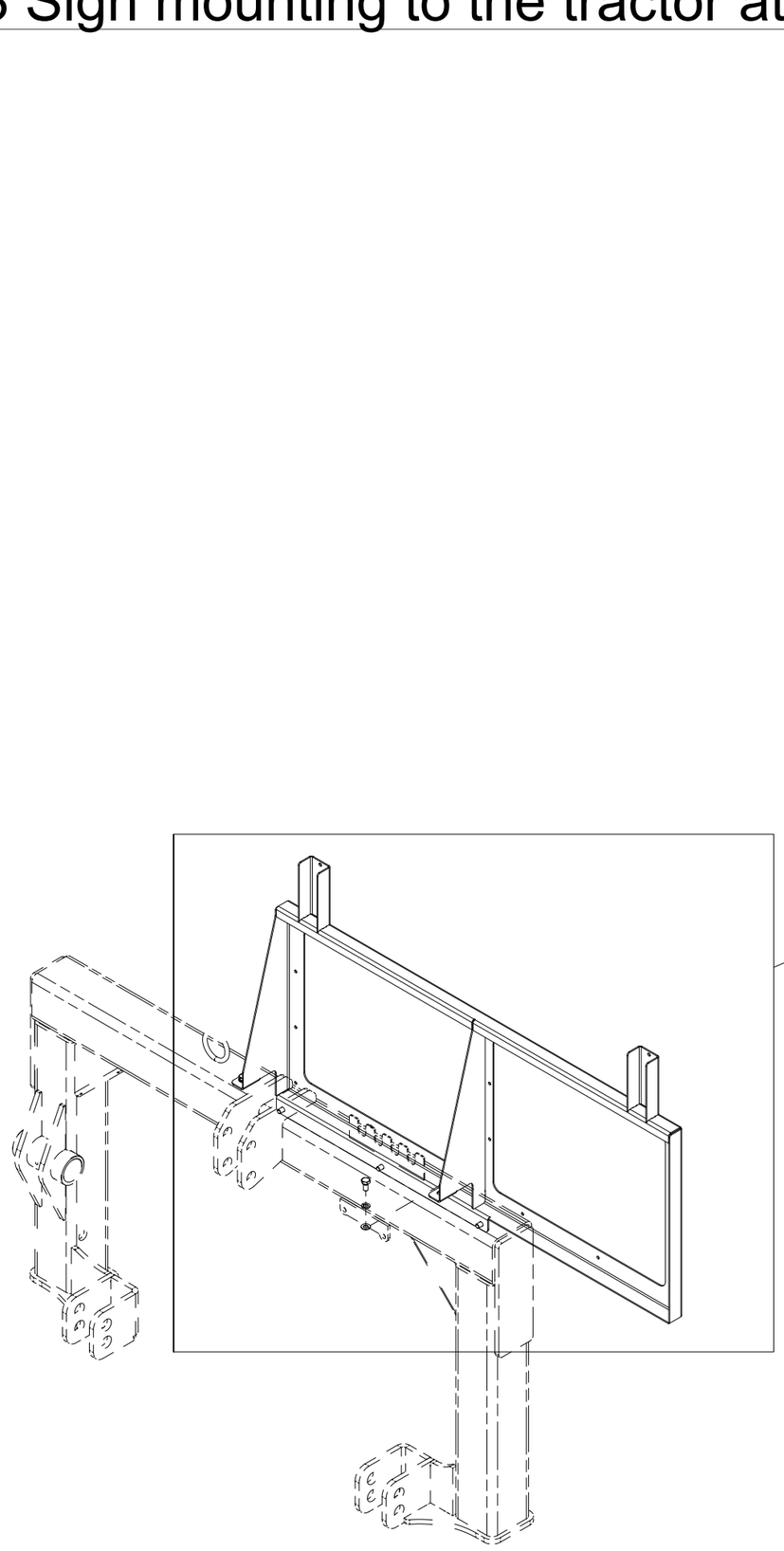
012 Sign mounting hull BPA180

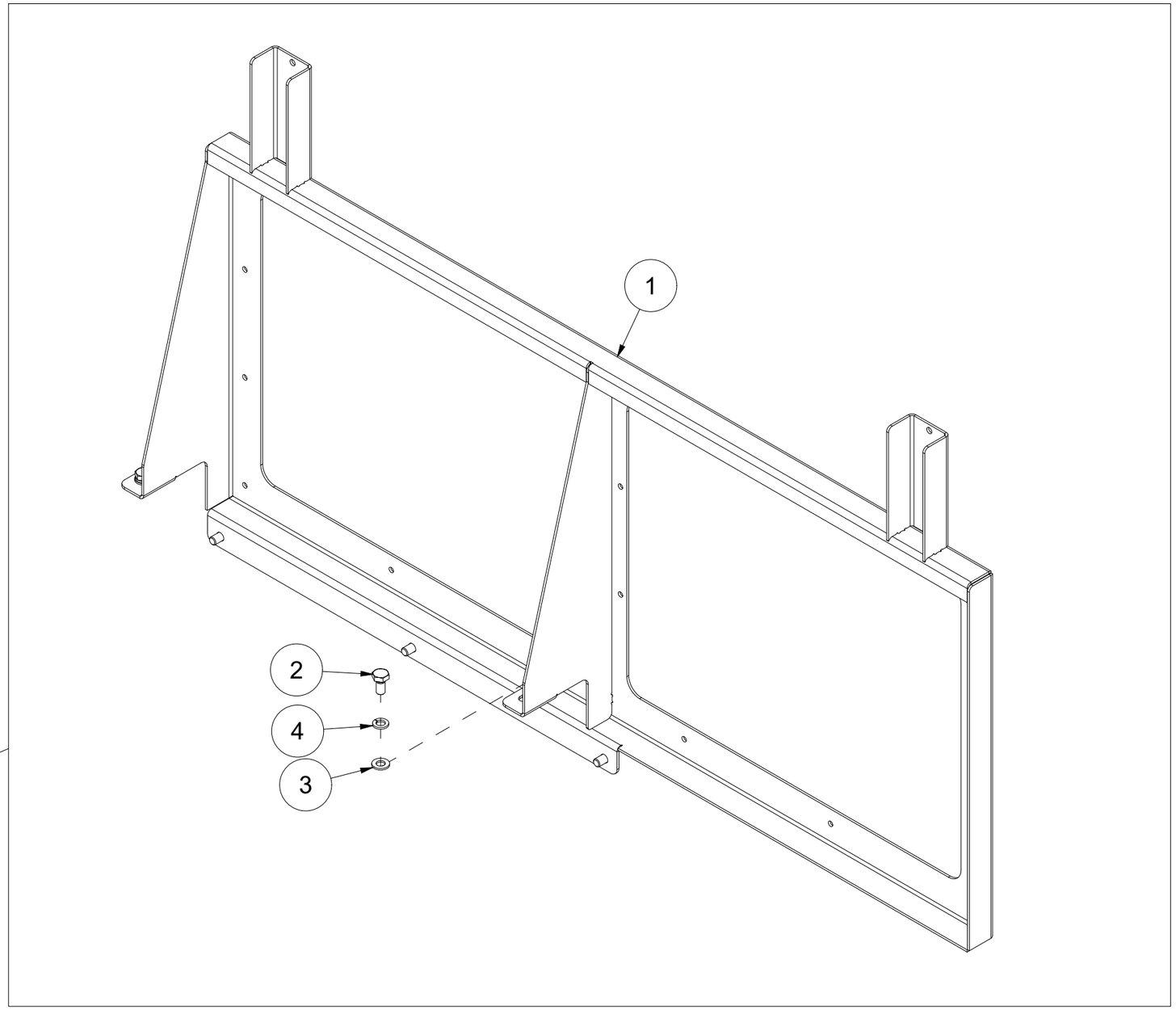




Pos	Qty	Article no	Designation
1	1	27201072	Sign mounting hull
2	3	2483810	Locking nut M10 A4 DIN 985
3	3	2531060	Washer M10 ElZn DIN 125
4	3	2444307	Locking screw M10x50 A4 DIN 603
5	5	2441297	Locking screw M10x25 ElZn 4.6 DIN 603

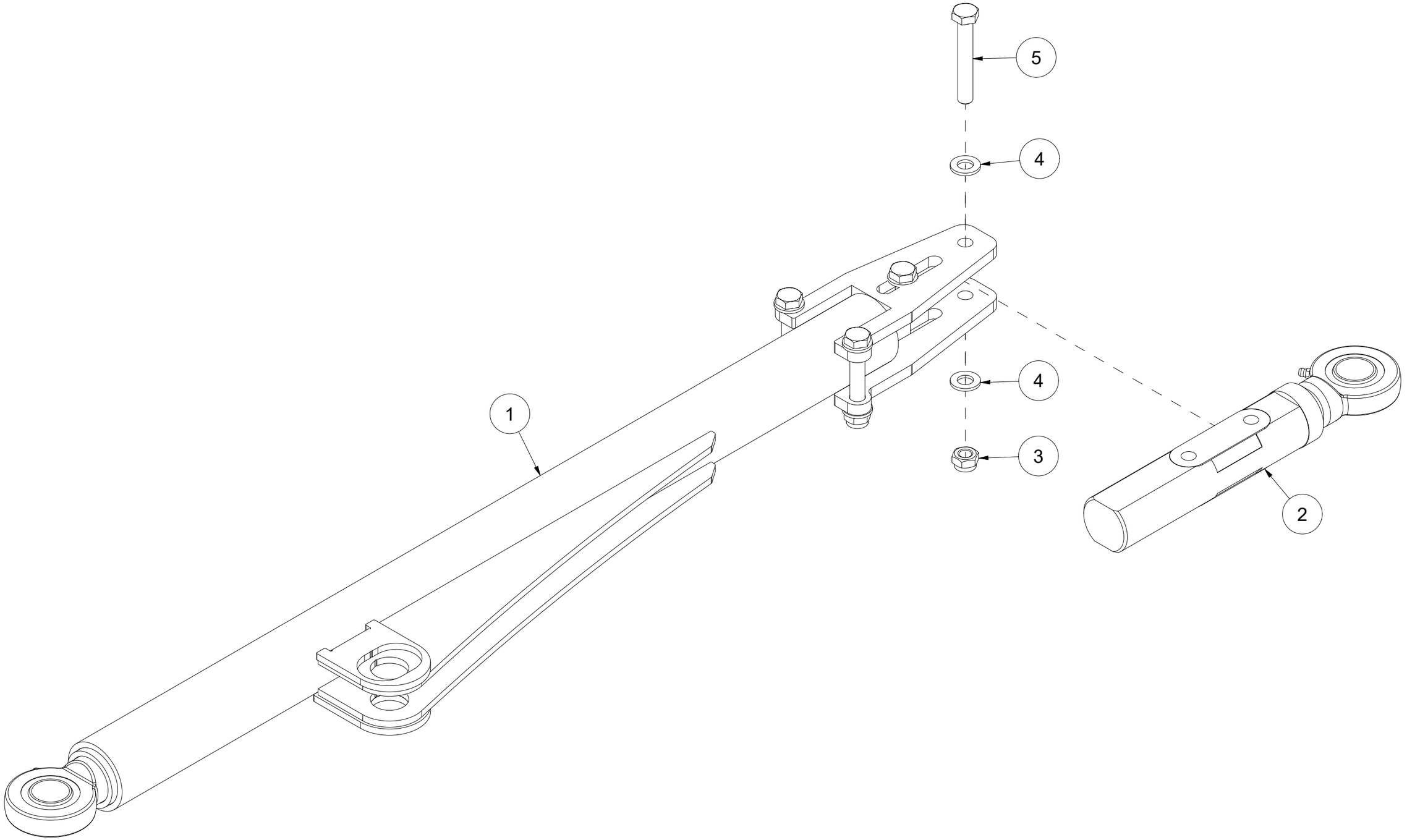
013 Sign mounting to the tractor attachment BPA180





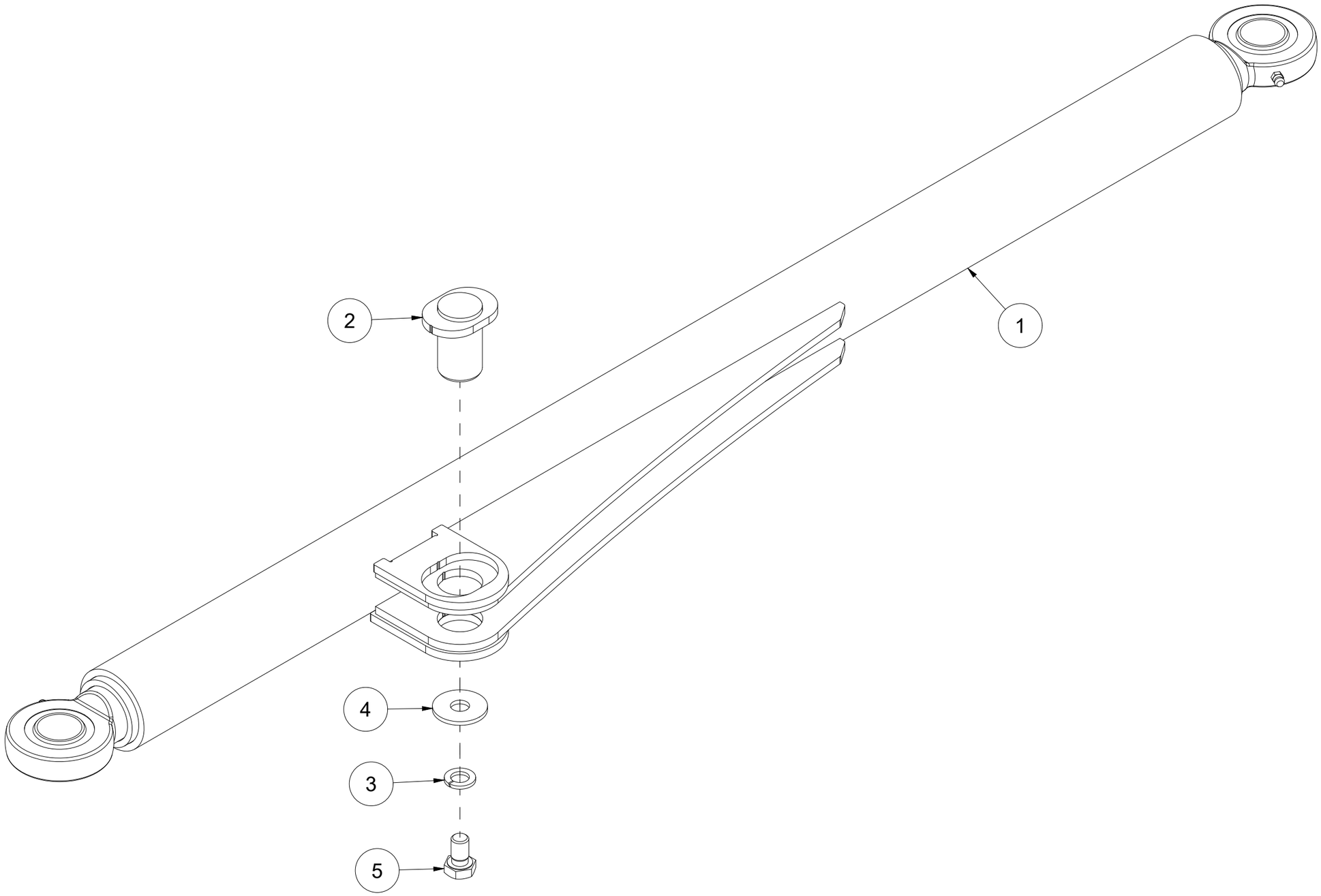
Pos	Qty	Article no	Designation
1	1	27201073	Sign mounting to the tractor attachment
2	5	2422295	Hexagon screw M10x20 ElZn 8.8 DIN 933
3	5	2531060	Washer M10 ElZn DIN 125
4	5	2534060	Spring washer M10 ElZn DIN 127

014 Parallel strut with breaking bolt BPA180



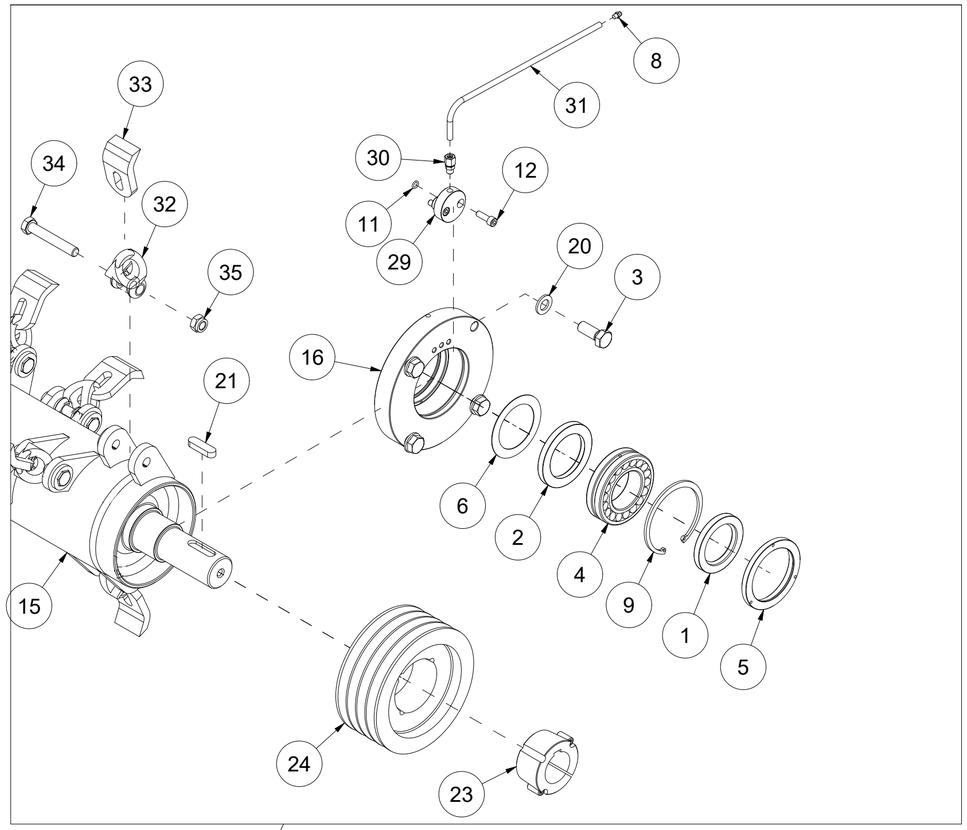
Pos	Qty	Article no	Designation
1	1	27201066	Parallel strut break bolt part 1
2	1	27201071	Parallel strut break bolt part 2
3	4	2483611	Locking nut M12 ElZn DIN 985
4	8	2531069	Washer M12 ElZn DIN 125
5	4	2422363	Hexagon screw M12x80 ElZn 8.8 DIN 931

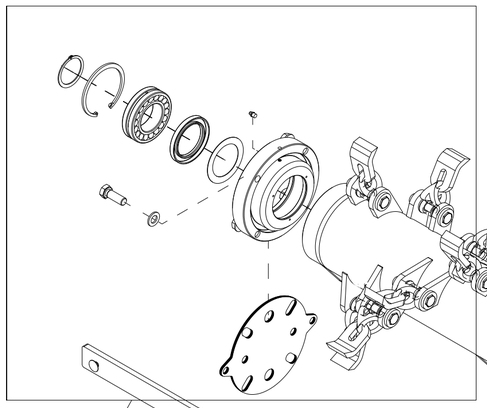
015 Parallel strut without breaking bolt BPA180

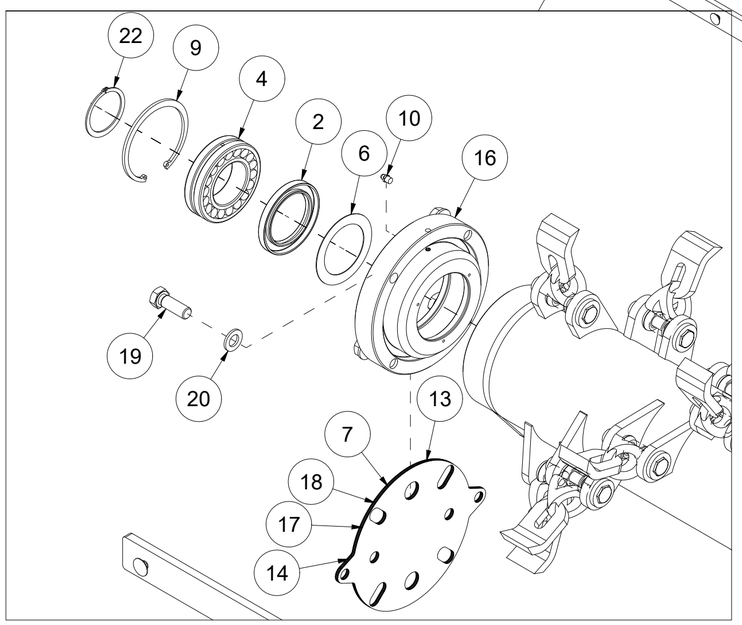


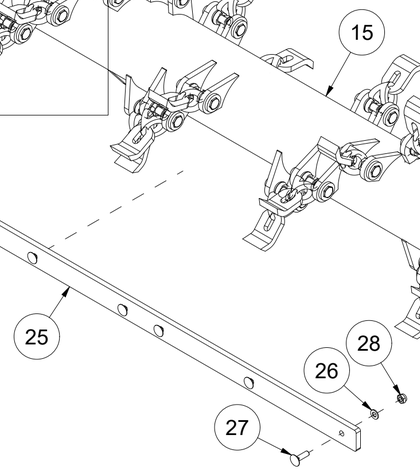
Pos	Qty	Article no	Designation
1	1	27201005	Parallel strut
2	1	27201030	Bolt
3	1	2534069	Spring washer M12 ElZn DIN 127
4	1	2533090	Body washer M12 ElZn DIN 9021
5	1	2422344	Hexagon screw M12x20 ElZn 8.8 DIN 933

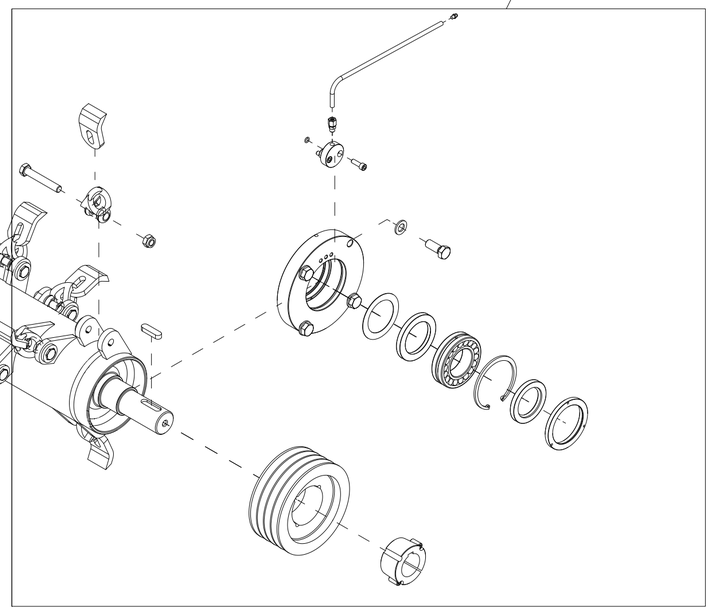
016 Rotory shackles knives BPA180











Pos	Qty	Article no	Designation
1	1	2234157	Simmer ring Ø60/90x10
2	2	2234161	Simmer ring Ø70/100x10 AS
3	4	2423489	Hexagon screw M16x40 ElZn 10.9 DIN 933
4	2	2953322	Roller bearing 22212.EAW33C3 Ø60/110x28
5	1	27121015	Ring
6	2	27101043	Holding washer
7	1	27121017	Shims rotor 3 mm
8	1	2478409	Grease nipple, Straight M6
9	2	2553310	Seeger ring I 110x4,0 DIN 472
10	1	2478407	Grease nipple, Straight M8
11	1	2233008	O-ring 8,00x2,00 NBR 70
12	2	2472315	Unbrako cylinder screw M8x25 ElZn DIN 912
13	1	27121031	Shims rotor 2 mm
14	1	27121034	Shims rotor 1 mm
15	1	27211009	Rotory shackle knife BP180
16	2	27101057	Bearing
17	1	27121070	Shims rotor 5 mm
18	1	27121069	Shims rotor 4 mm
19	4	2423491	Hexagon screw M16x45 ElZn 10.9 DIN 933
20	8	2531078	Washer M16 ElZn DIN 125
21	1	2115175	Cotter 14x9 L50 St DIN 6885A
22	1	2553160	Seeger ring A 60x2,0 DIN 471
23	1	2965317	Bushing Ø50 TL2517
24	1	2965355	Pulley 190x4 SPB 2517
25	1	27211010	Resisting rail for shackle knives
26	9	2531060	Washer M10 ElZn DIN 125
27	9	2344332	Locking screw M10x35 ElZn 8.8 DIN 603
28	9	2483610	Locking nut M10 ElZn DIN 985
29	1	27201089	Lubricating adapter attachment
30	1	2957752	Hexagon nipple BSP 1/8-GE08LLR, Nut, DPR
31	1	27201091	Lubrication tube BPA
32	36	2112218	Shackle for shackle knife
33	36	2112208	Shackle knife
34	36	2423410	Hexagon screw M14x90 ElZn 10.9 DIN 931
35	36	2483612	Locking nut M14 ElZn DIN 985