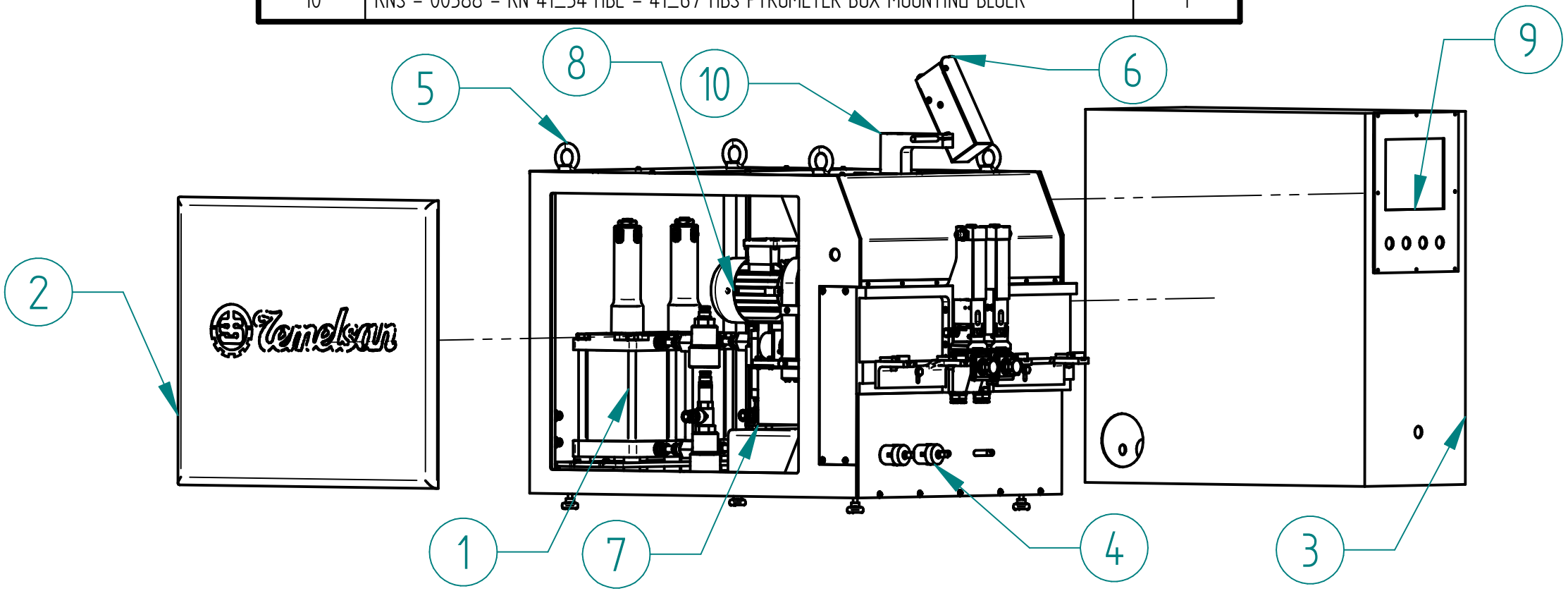
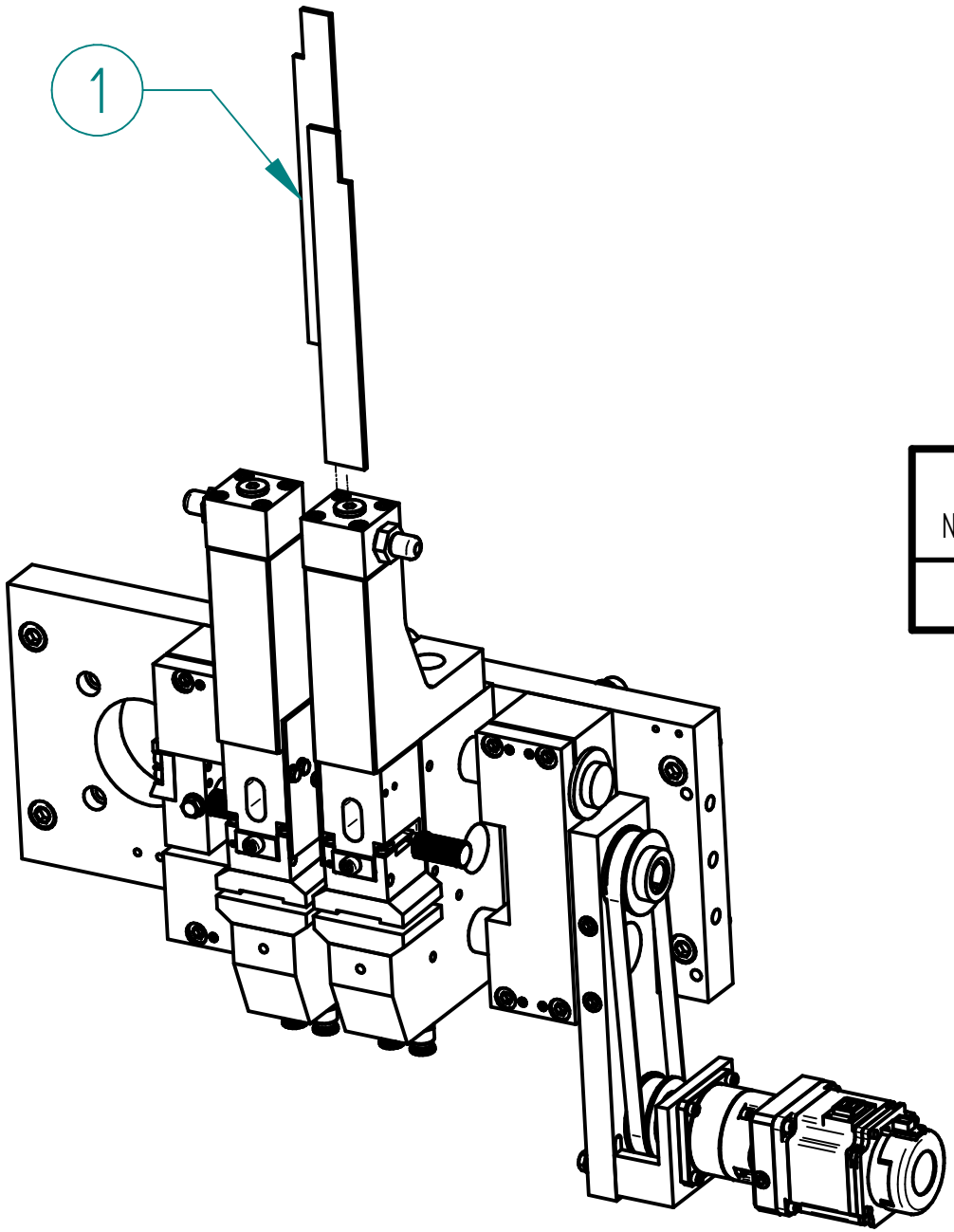
KN 41 HBS TOUCH TYPE WELDER EXPLODED VIEWS

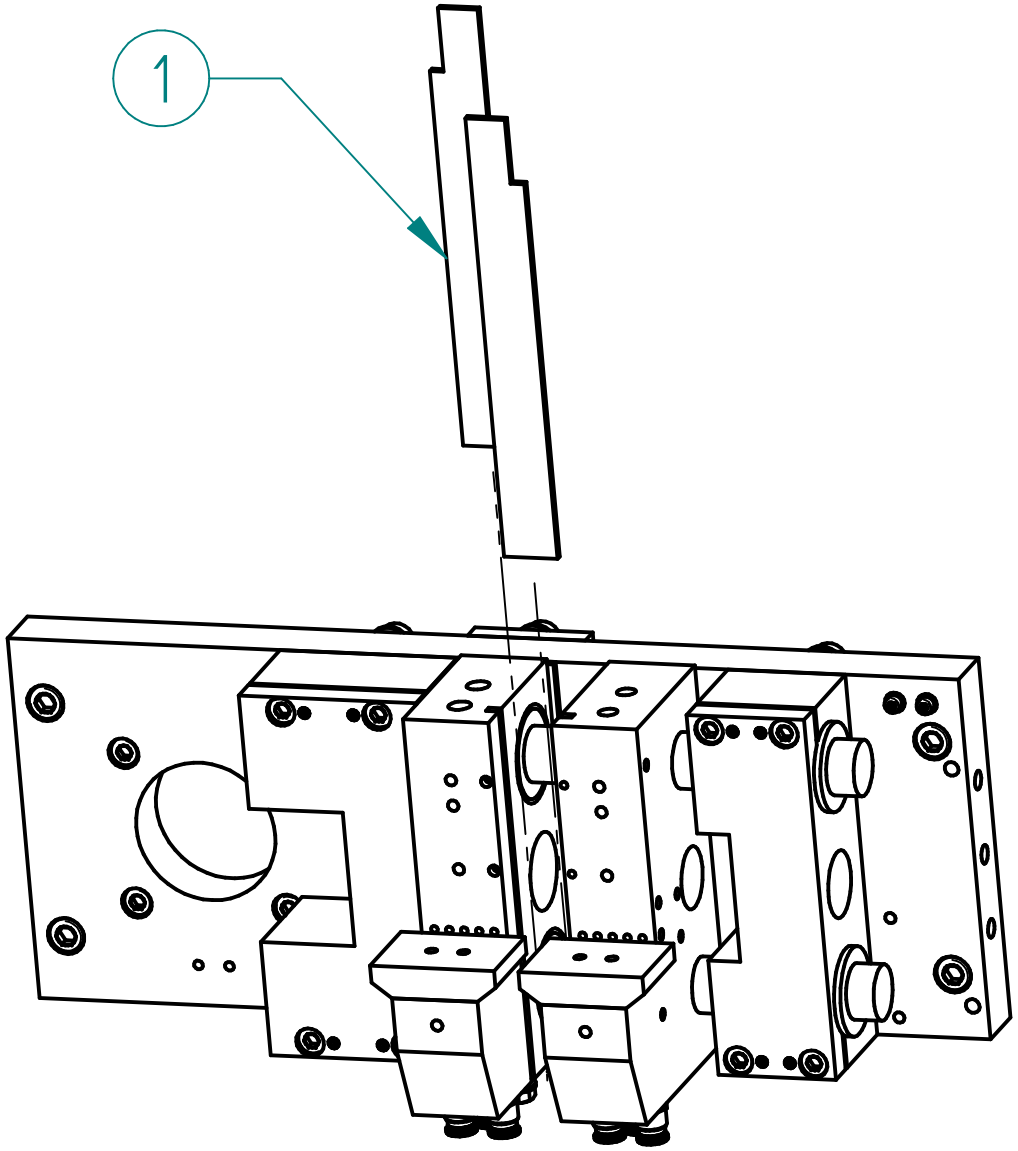

Temelsan
STOP
START
EMERGENCY
STOP
RESTART
YAN BASKI BASINÇ AYARI
KAYNAK BASINÇ AYARI

Item	File Name (no extension)	Quantity
	KN 41 HBS TOUCH	
1	KN 41 HBC_S BOOSTER GROUP FULL ASSEMBLY	1
2	HBS-BC-LEFT SIDE DOOR	1
3	HBS-BC-ELECTRIC CABINET 1	1
4	FSP – 00023 – PRESSURE REGULATOR MS4-LR-1_4-D7-AS	2
5	GSP – 00751 – M14 EYE BOLT	4
6	HBA_C_S – PACS – PYROMETER ANNEALING CONTROL SYSTEM	1
7	GSP – 00599 – 4_5 KW TRANSFORMER	1
8	KN 41 HBS OPERATIONAL CAM MOTOR AND HOUSING ASSEMBLY	1
9	GSP – 00602 – HBS – OMRON HMI CONTROL LABEL PLATE	1
10	KNS – 00588 – KN 41_54 HBC – 41_67 HBS PYROMETER BOX MOUNTING BLOCK	1





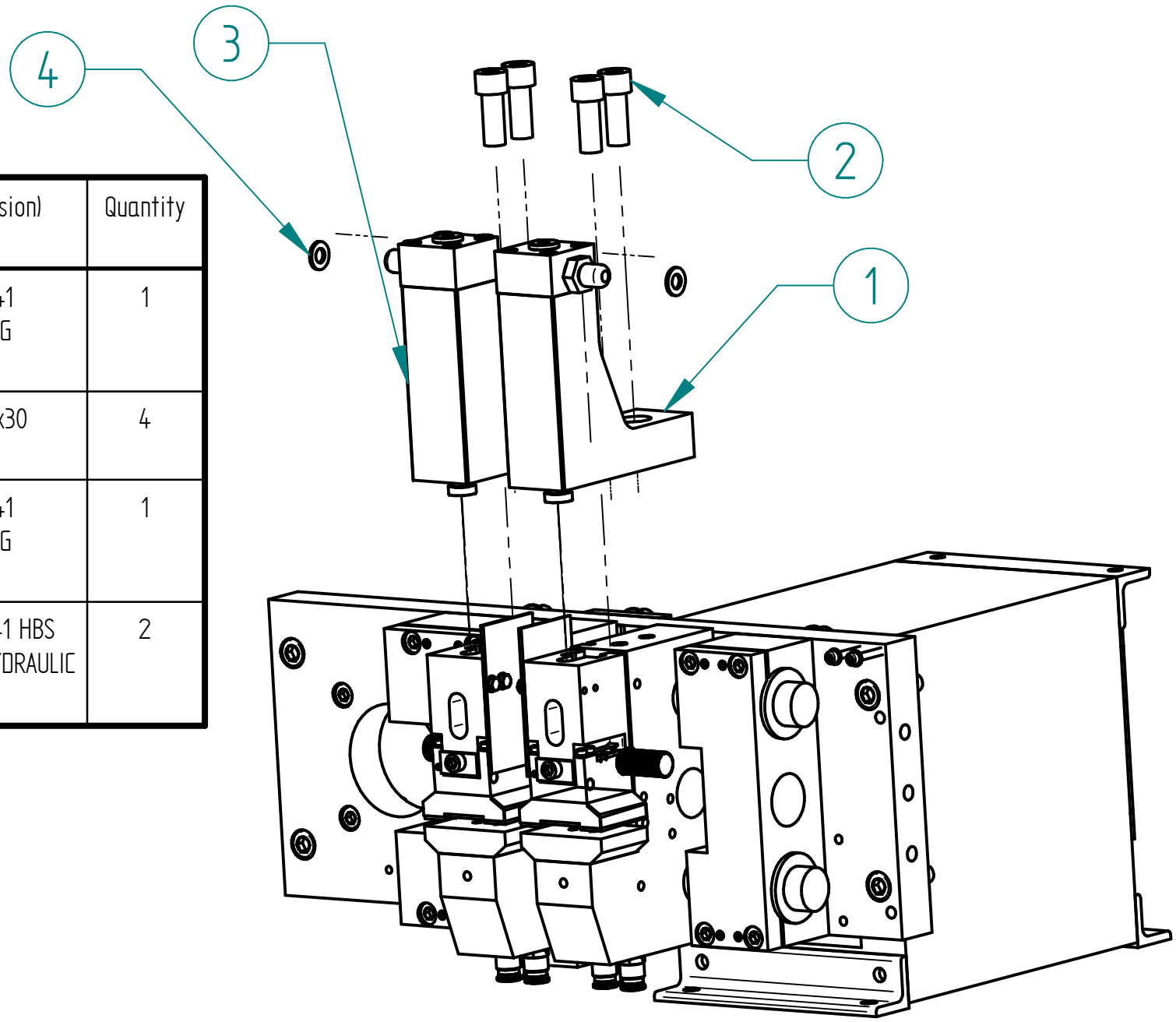
Item Number	File Name (no extension)	Quantity
1	KNS - 00584 - KN 41 HBC_S INNER FIBER SET	2

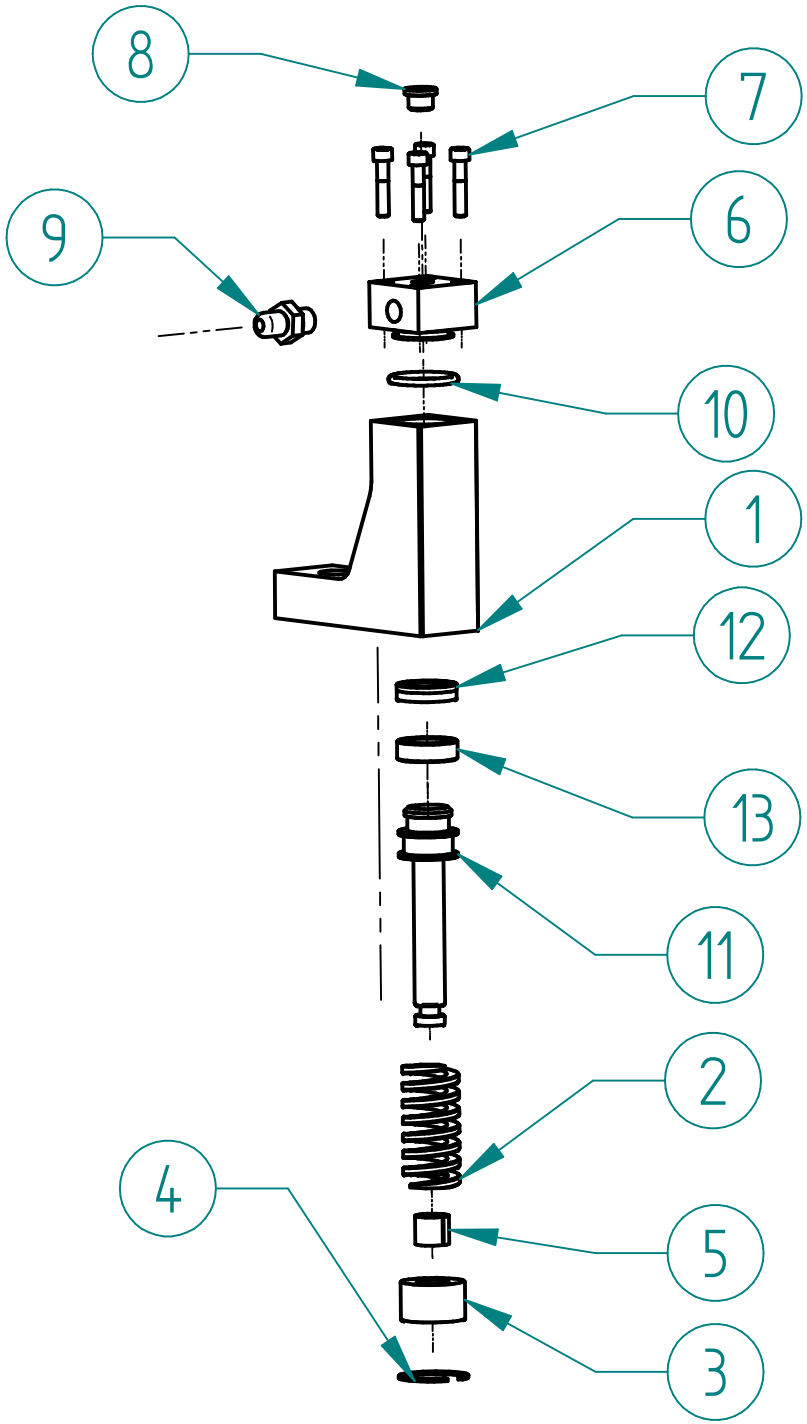


Item	File Name (no extension)	Quantity
1	KNS – 00584 – KN 41 HBC_S INNER FIBER SET	2

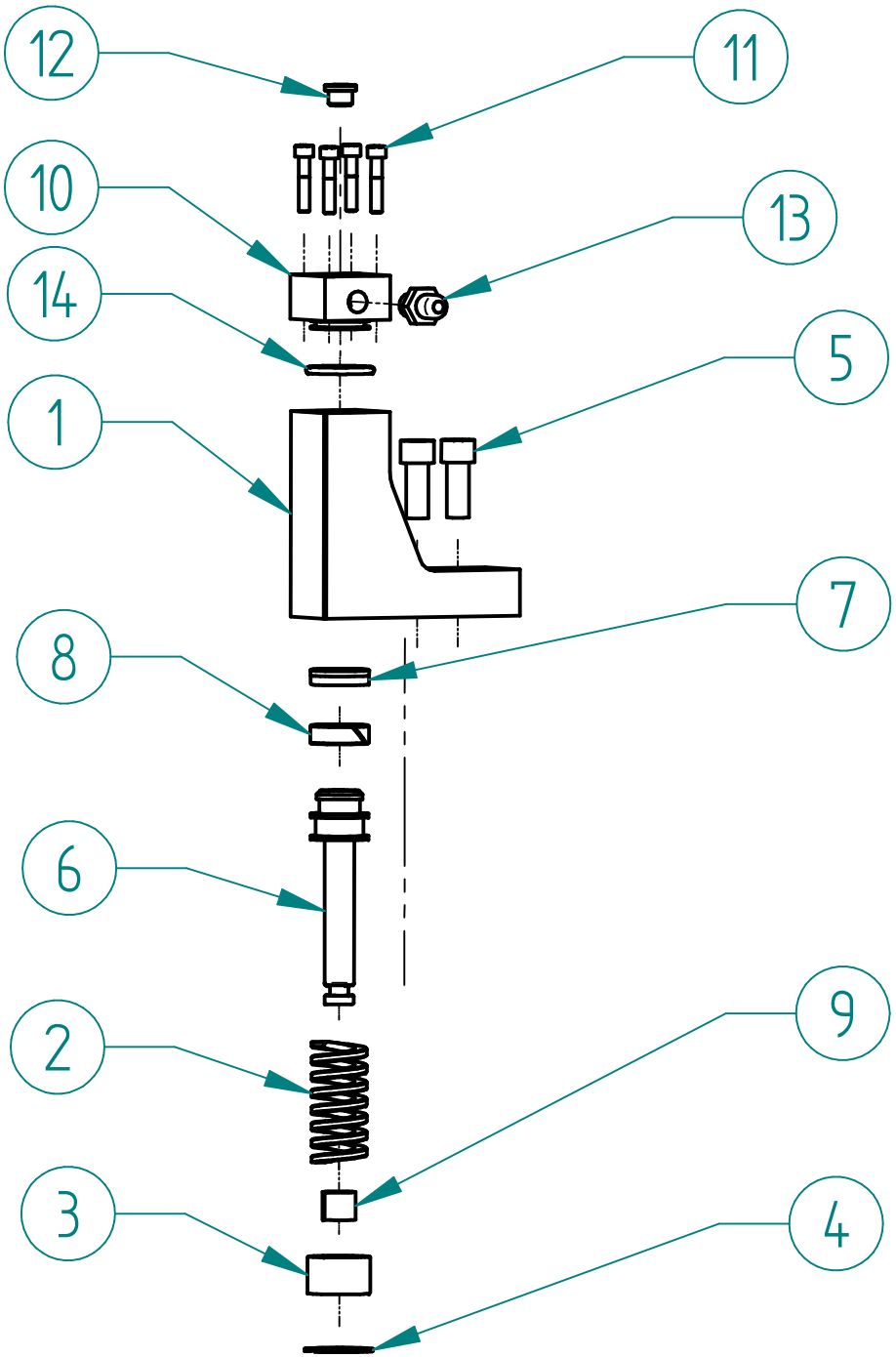
CLAMPING GROUP

Item Number	File Name (no extension)	Quantity
1	KNS – 00067 – KN 41 HBS_C JAW CLAMPING PISTON SET RIGHT	1
2	GSP – 00062 – M12x30 IMBUS BOLT	4
3	KNS – 00068 – KN 41 HBS_C JAW CLAMPING PISTON SET LEFT	1
4	HSP – 00032 – KN 41 HBS CLAMPING PISTON HYDRAULIC HOSE	2



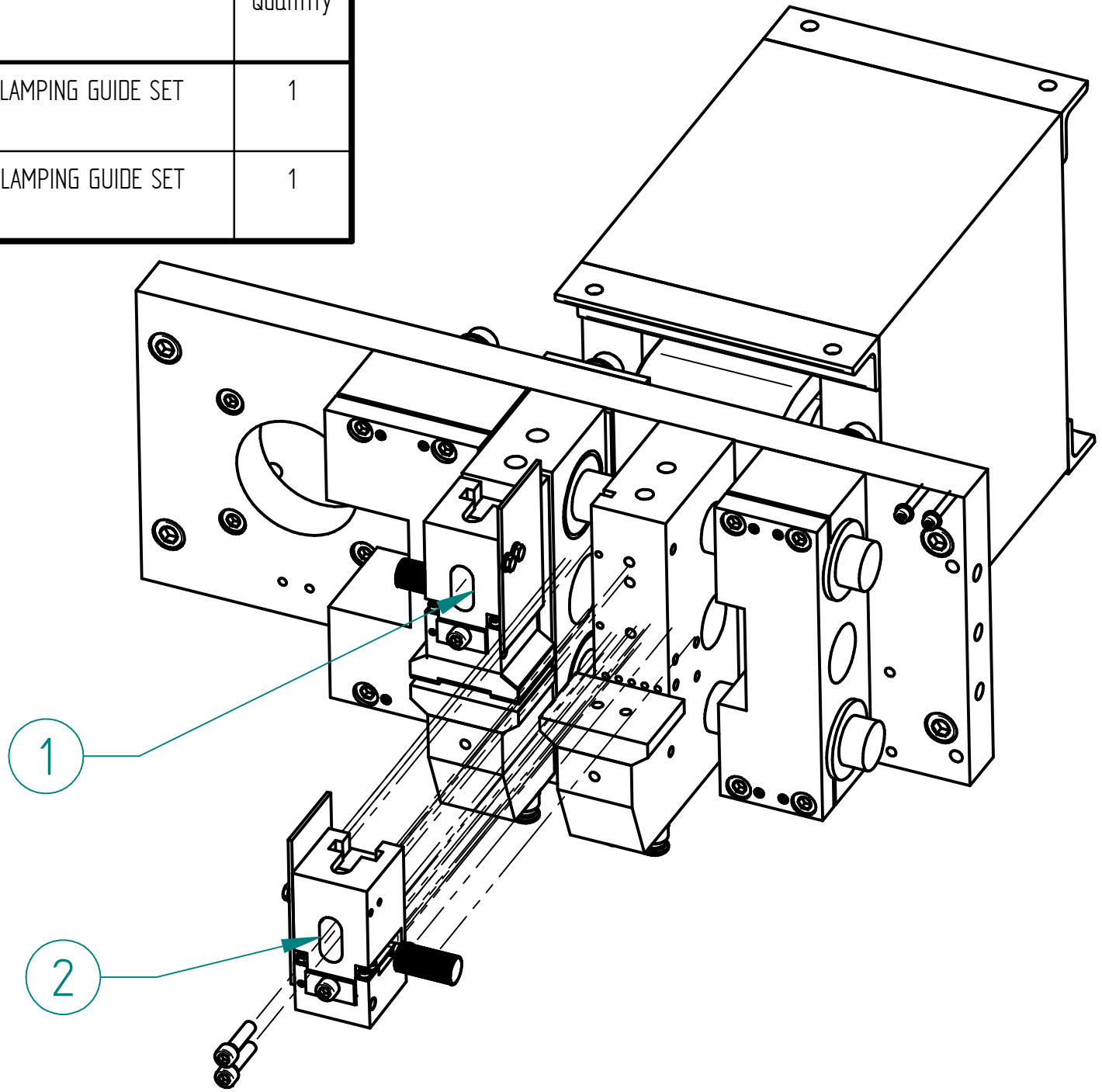


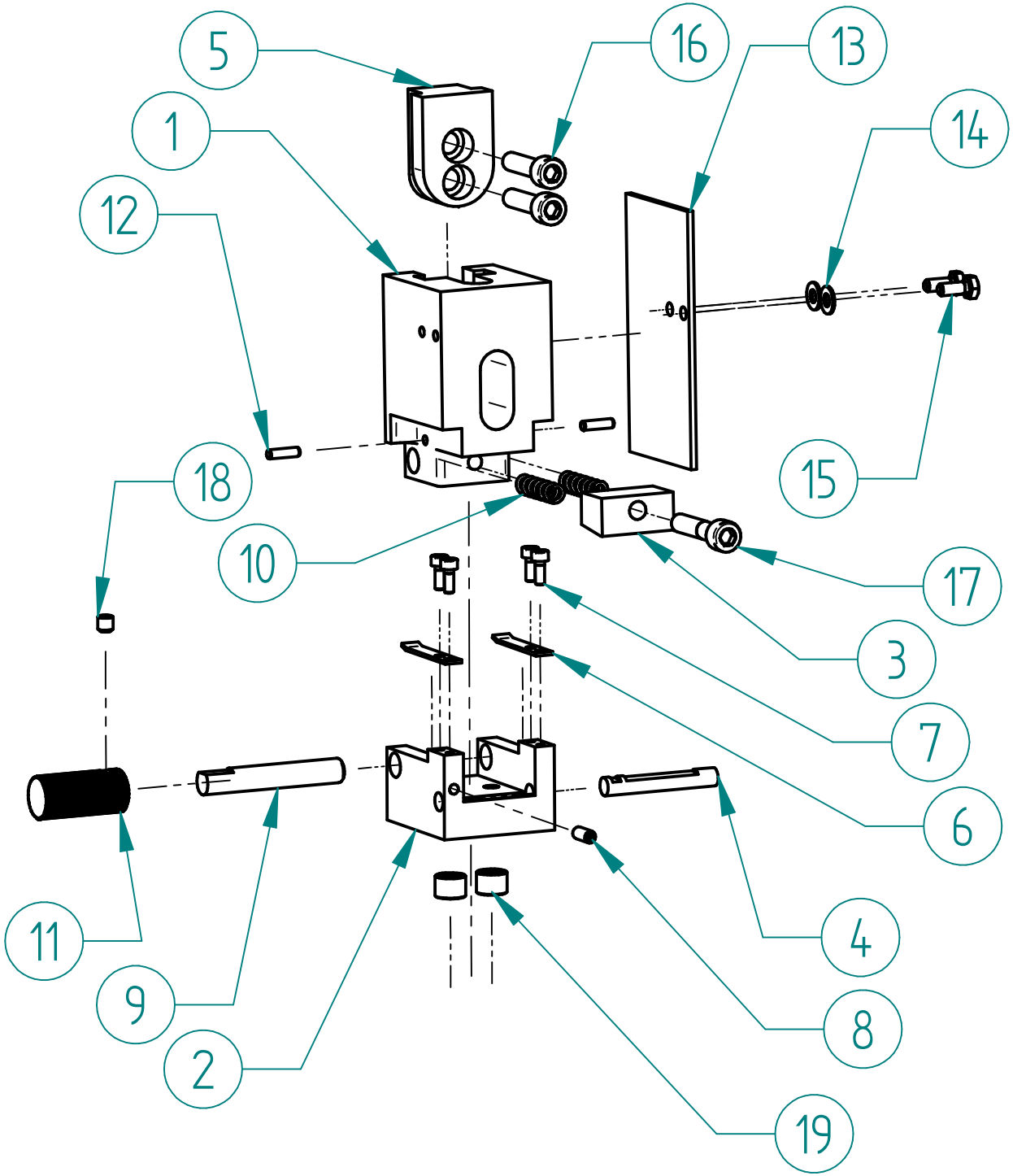
Item	File Name (no extension)	Quantity
	KNS – 00068 – KN 41 HBS_C JAW CLAMPING PISTON SET LEFT	
1	KNS – 00540 – KN 41 HBS_C CLAMPING PISTON HOUSING LEFT	1
2	GSP – 00595 – MOLD SPRING GREEN 32X63	1
3	KNS – 00541 – KN 41 HBC_S CLAMPING PISTON BUSHING	1
4	GSP – 00400 – SNAP RING 37X1_3	1
5	GSP – 00390 – PAP 1615 BUSH	1
6	KNS – 00539 – KN 41 HBS_C CLAMPING PISTON HOUSING TOP COVER	1
7	GSP – 00025 – M6x30 IMBUS BOLT	4
8	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	1
9	HSP – 00002 – HYDRAULIC FITTING 1_4-10	1
10	GSP – 00980 – O-RING 24x3	1
11	KNS – 00542 – KN 41 HBC_S CLAMPING PISTON SHAFT	1
12	GSP – 00516 – KASTAS-K21-22X32X8 – KN 41 HBC CLAMPING PISTON SHAFT	1
13	GSP – 00523 – KASTAS-K68-26X32X9_8 – HYDRAULIC PISTON GUIDE RING	1



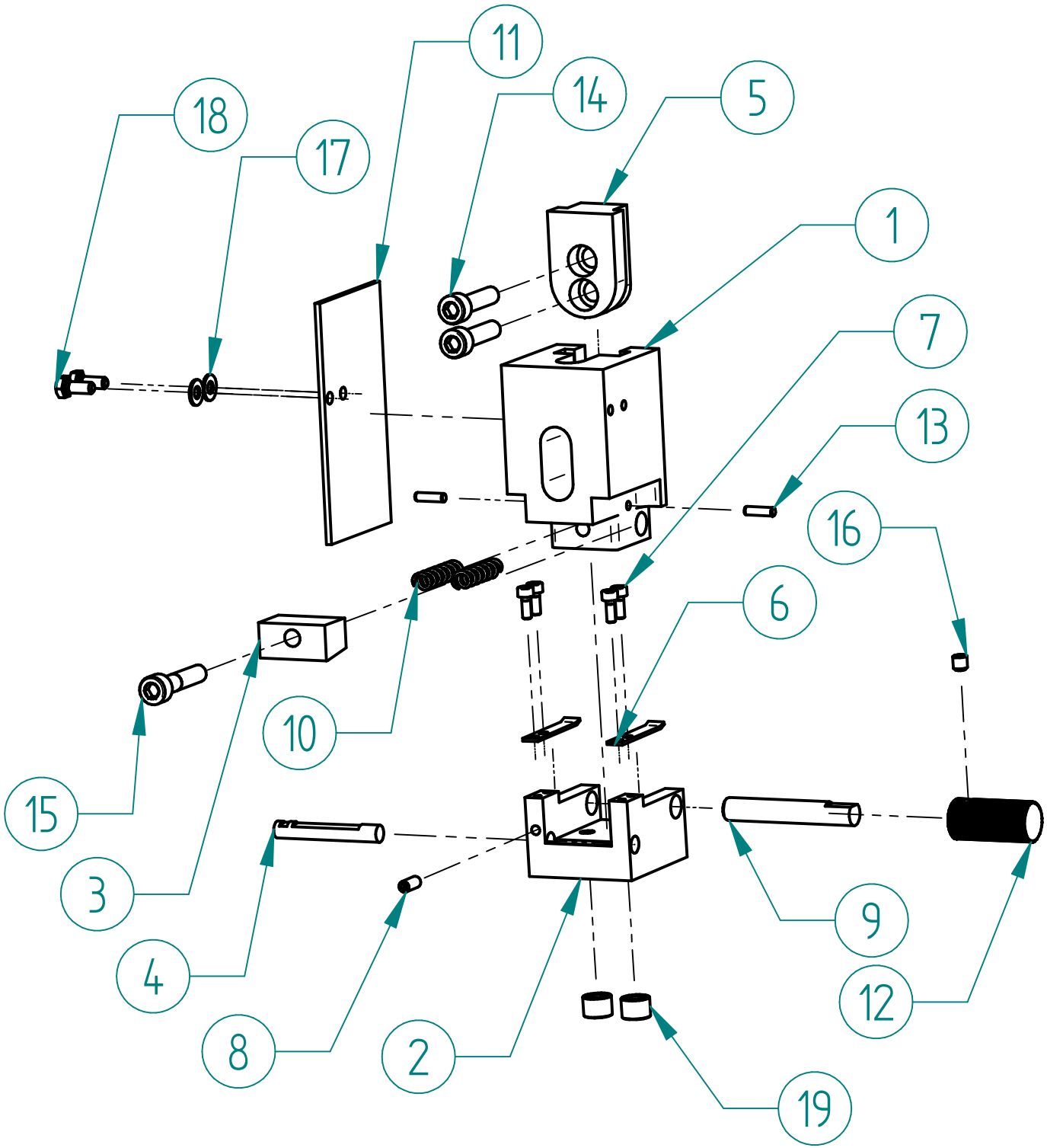
Item	File Name (no extension)	Quantity
	KNS – 00067 – KN 41 HBS_C JAW CLAMPING PISTON SET RIGHT	
1	KNS – 00723 – KN 41 HBS_C CLAMPING PISTON HOUSING RIGHT	1
2	GSP – 00595 – MOLD SPRING GREEN 32X63	1
3	KNS – 00541 – KN 41 HBC_S CLAMPING PISTON BUSHING	1
4	GSP – 00400 – SNAP RING 37X1_3	1
5	GSP – 00062 – M12x30 IMBUS BOLT	2
6	KNS – 00542 – KN 41 HBC_S CLAMPING PISTON SHAFT	1
7	GSP – 00516 – KASTAS-K21-22X32X8 – KN 41 HBC CLAMPING PISTON SHAFT	1
8	GSP – 00523 – KASTAS-K68-26X32X9_8 – HYDRAULIC PISTON GUIDE RING	1
9	GSP – 00390 – PAP 1615 BUSH	1
10	KNS – 00539 – KN 41 HBS_C CLAMPING PISTON HOUSING TOP COVER	1
11	GSP – 00025 – M6x30 IMBUS BOLT	4
12	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	1
13	HSP – 00002 – HYDRAULIC FITTING 1_4-10	1
14	GSP – 00980 – O-RING 24x3	1

Item Number	File Name (no extension)	Quantity
1	KNS – 00079 – KN 41 HBC_S CLAMPING GUIDE SET LEFT	1
2	KNS – 00787 – KN 41 HBC_S CLAMPING GUIDE SET RIGHT	1



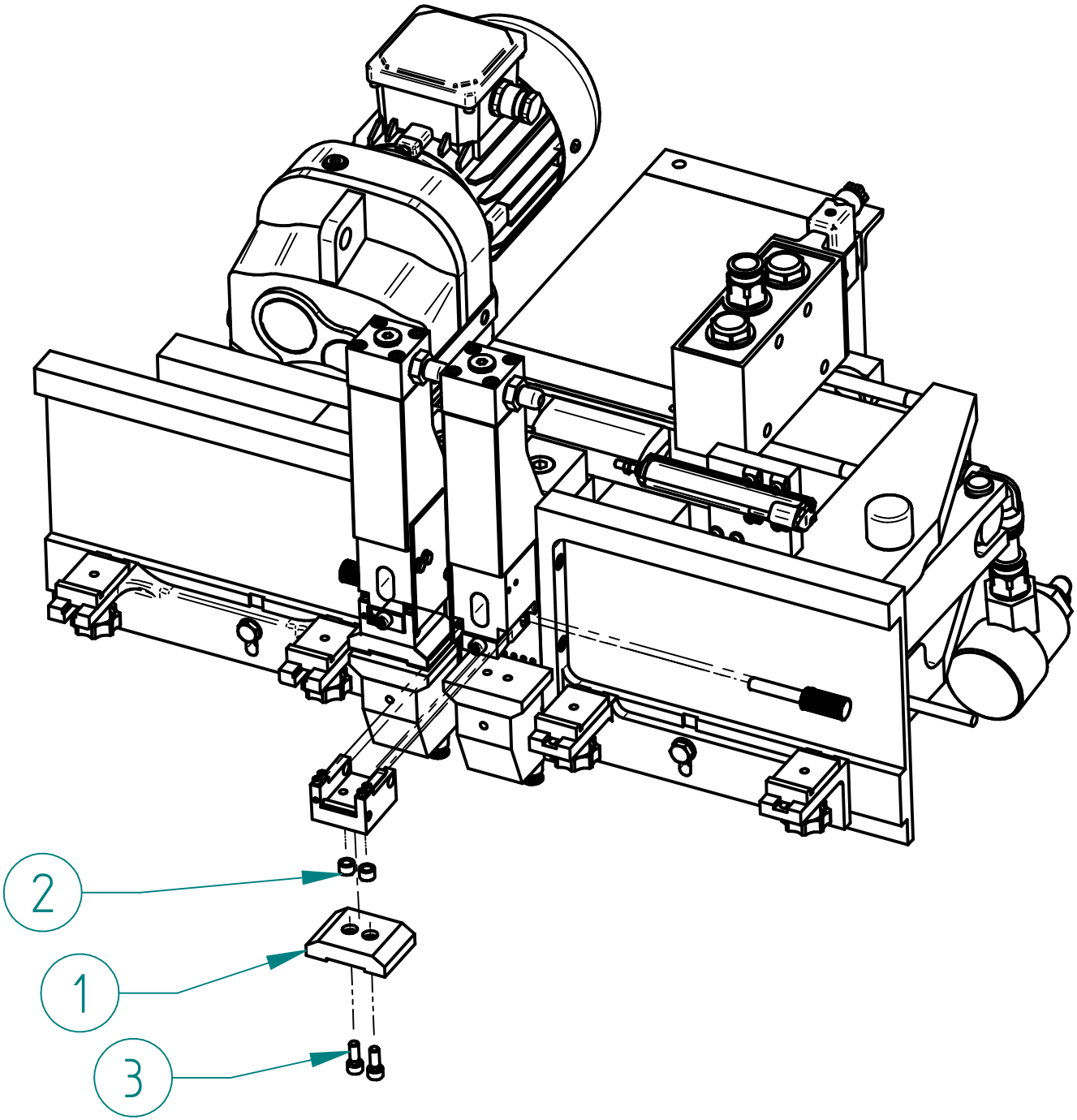


Item	File Name (no extension)	Quantity
	KNS – 00079 – KN 41 HBC_S CLAMPING PISTON GUIDE SET LEFT	
1	KNS – 00548 – KN 41 HBC_S CLAMPING GUIDE BLOCK	1
2	KNS – 00554 – KN 41 HBC_S CLAMPING BOTTOM BLOCK	1
3	KNS – 00550 – KN 41 HBC_S PARALELLY CONE PART	1
4	KNS – 00551 – KN 41 HBC_S CLAMPING PARALELLY PIN	1
5	KNS – 00549 – KN 41 HBC_S CLAMPING GUIDE WAY	1
6	KNS – 00246 – KN 41_54 HBC_S CLAMPING PARALELLY SPRING STEEL	2
7	GSP – 00002 – M3X8 IMBUS BOLT	4
8	GSP – 00290 – M4x10 SETSCREW	1
9	KNS – 00552 – KN 41 HBC_S CLAMPING PIVOT PIN	1
10	KNS – 00556 – KN 41 HBC_S CLAMPING GUIDE SPRING	2
11	KNS – 00553 – KNURLED KNOB Q8 – KN 41_54 HBC_S	1
12	GSP – 00405 – STEEL PIN Q3X10	2
13	KNS – 00098 – KN 41 HBC_S FIBER SET	1
14	GSP – 00272 – M4 WASHER	2
15	GSP – 00112 – M4X10 HEXAGON BOLT	2
16	GSP – 00024 – M6X25 IMBUS BOLT	2
17	GSP – 00025 – M6x30 IMBUS BOLT	1
18	GSP – 00291 – M5x5 SETSCREW	1
19	KNS – 00180 – JAW BUSHING FOR WELDER	2

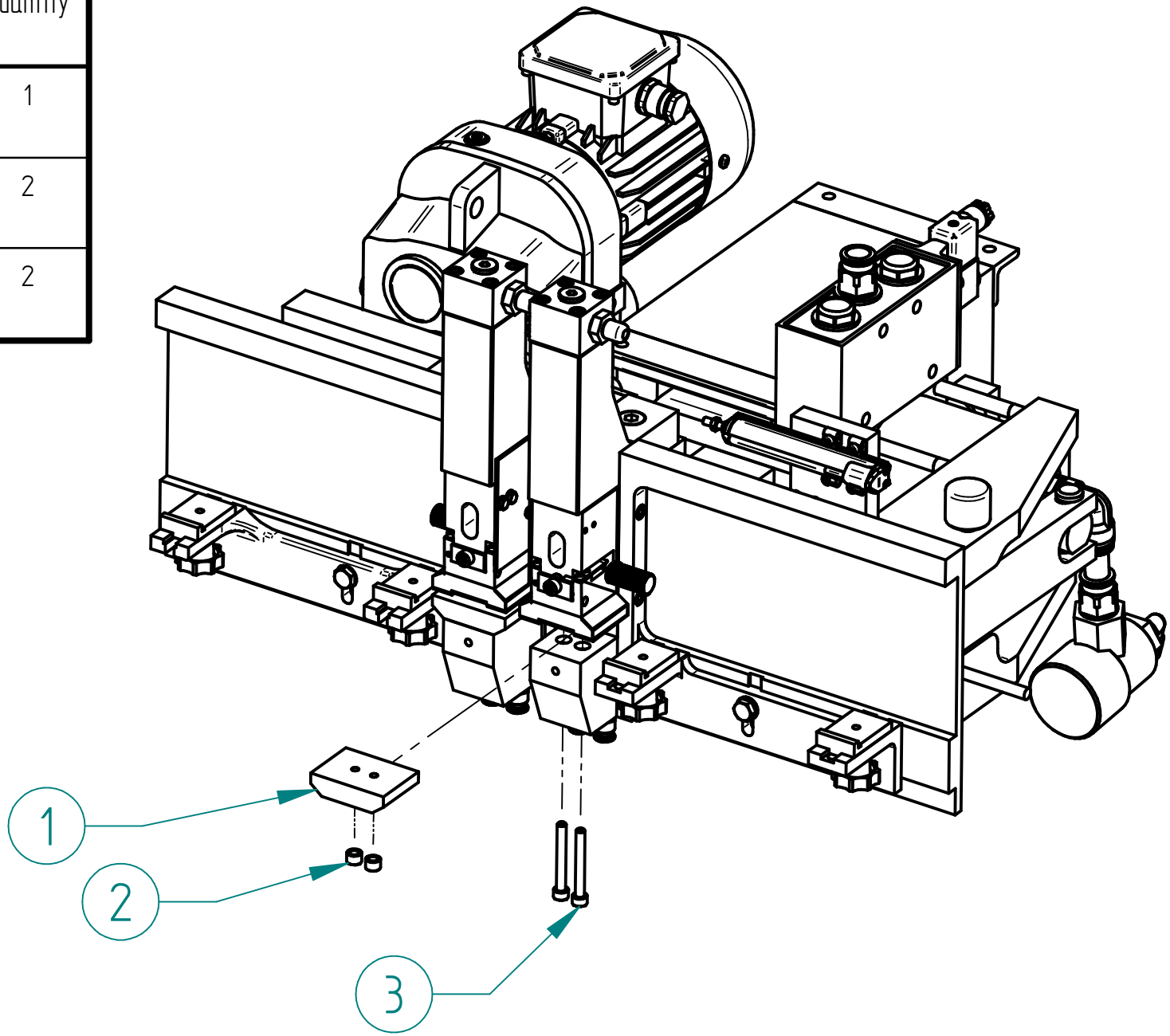


Item	File Name (no extension)	Quantity
	KNS – 00787 – KN 41 HBC_S CLAMPING PISTON GUIDE SET RIGHT	
1	KNS – 00548 – KN 41 HBC_S CLAMPING GUIDE BLOCK	1
2	KNS – 00554 – KN 41 HBC_S CLAMPING BOTTOM BLOCK	1
3	KNS – 00550 – KN 41 HBC_S PARALELLY CONE PART	1
4	KNS – 00551 – KN 41 HBC_S CLAMPING PARALELLY PIN	1
5	KNS – 00549 – KN 41 HBC_S CLAMPING GUIDE WAY	1
6	KNS – 00246 – KN 41_54 HBC_S CLAMPING PARALELLY SPRING STEEL	2
7	GSP – 00002 – M3X8 IMBUS BOLT	4
8	GSP – 00290 – M4x10 SETSCREW	1
9	KNS – 00552 – KN 41 HBC_S CLAMPING PIVOT PIN	1
10	KNS – 00556 – KN 41 HBC_S CLAMPING GUIDE SPRING	2
11	KNS – 00098 – KN 41 HBC_S FIBER SET	1
12	KNS – 00553 – KNURLED KNOB Q8 – KN 41_54 HBC_S	1
13	GSP – 00405 – STEEL PIN Q3X10	2
14	GSP – 00024 – M6X25 IMBUS BOLT	2
15	GSP – 00025 – M6x30 IMBUS BOLT	1
16	GSP – 00291 – M5x5 SETSCREW	1
17	GSP – 00272 – M4 WASHER	2
18	GSP – 00112 – M4X10 HEXAGON BOLT	2
19	KNS – 00180 – JAW BUSHING FOR WELDER	2

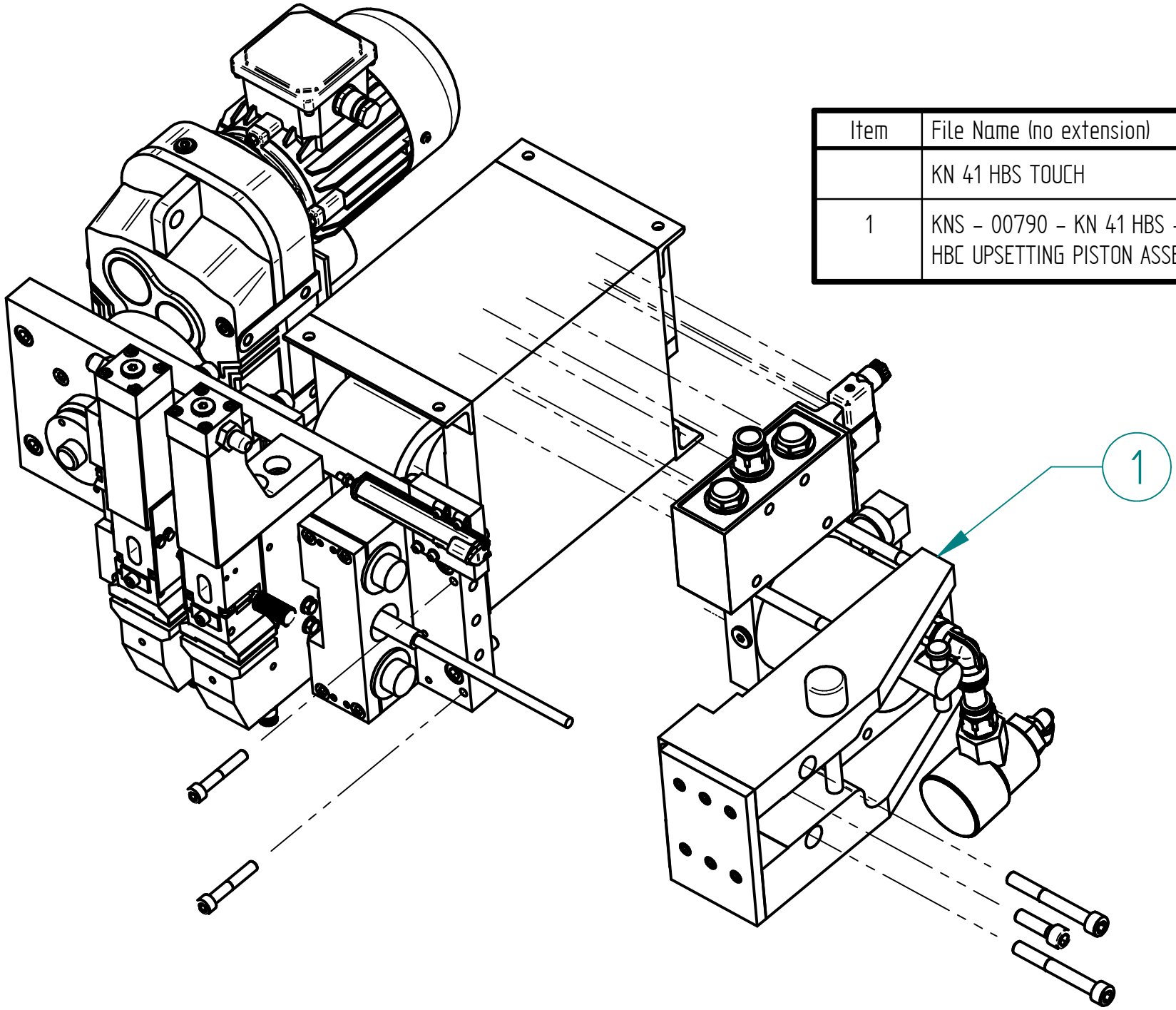
Item Number	File Name (no extension)	Quantity
1	KNS – 00001 – KN 41 HBS_C UPPER JAW SET	1
2	KNS – 00180 – JAW BUSHING FOR WELDER	2
3	GSP – 00022 – M6X16 IMBUS BOLT	2



Item Number	File Name (no extension)	Quantity
1	KNS – 00002 – KN 41 HBS_C LOWER JAW SET	1
2	KNS – 00180 – JAW BUSHING FOR WELDER	2
3	GSP – 00029 – M6x50 IMBUS BOLT	2

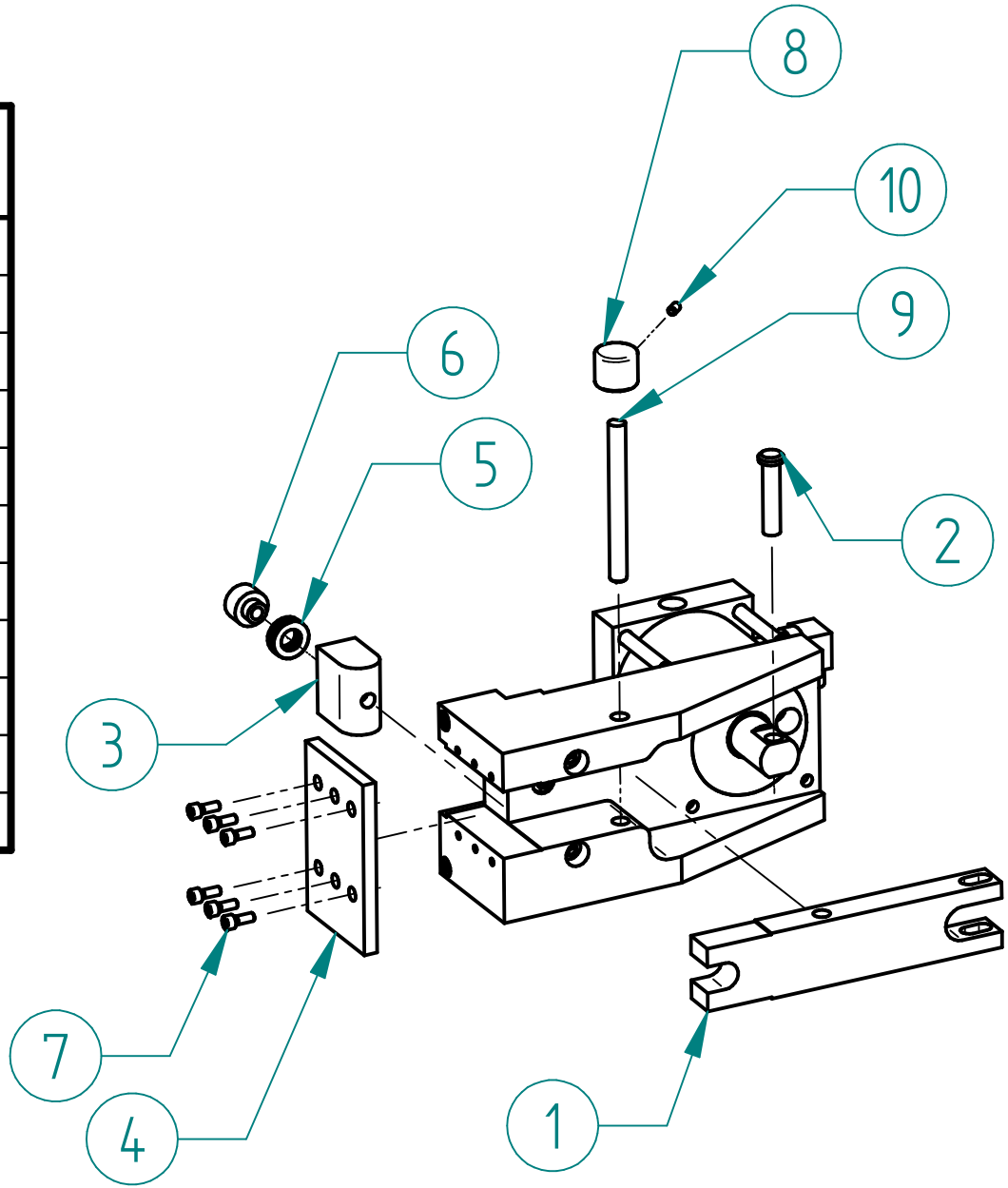


PNEUMATIC UPSETTING GROUP

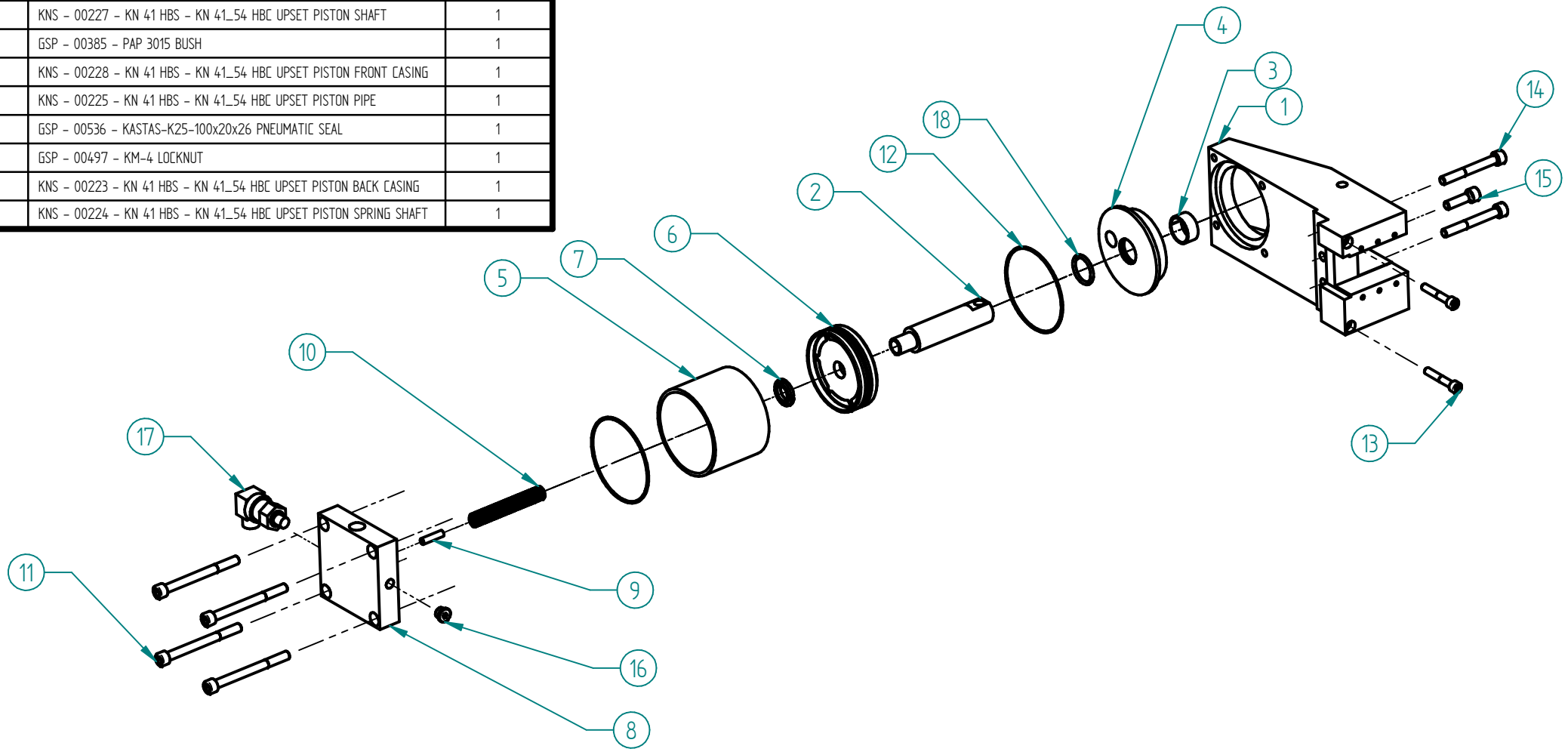


Item	File Name (no extension)	Quantity
	KN 41 HBS TOUCH	
1	KNS – 00790 – KN 41 HBS – KN 41_54 HBC UPSETTING PISTON ASSEMBLY	1

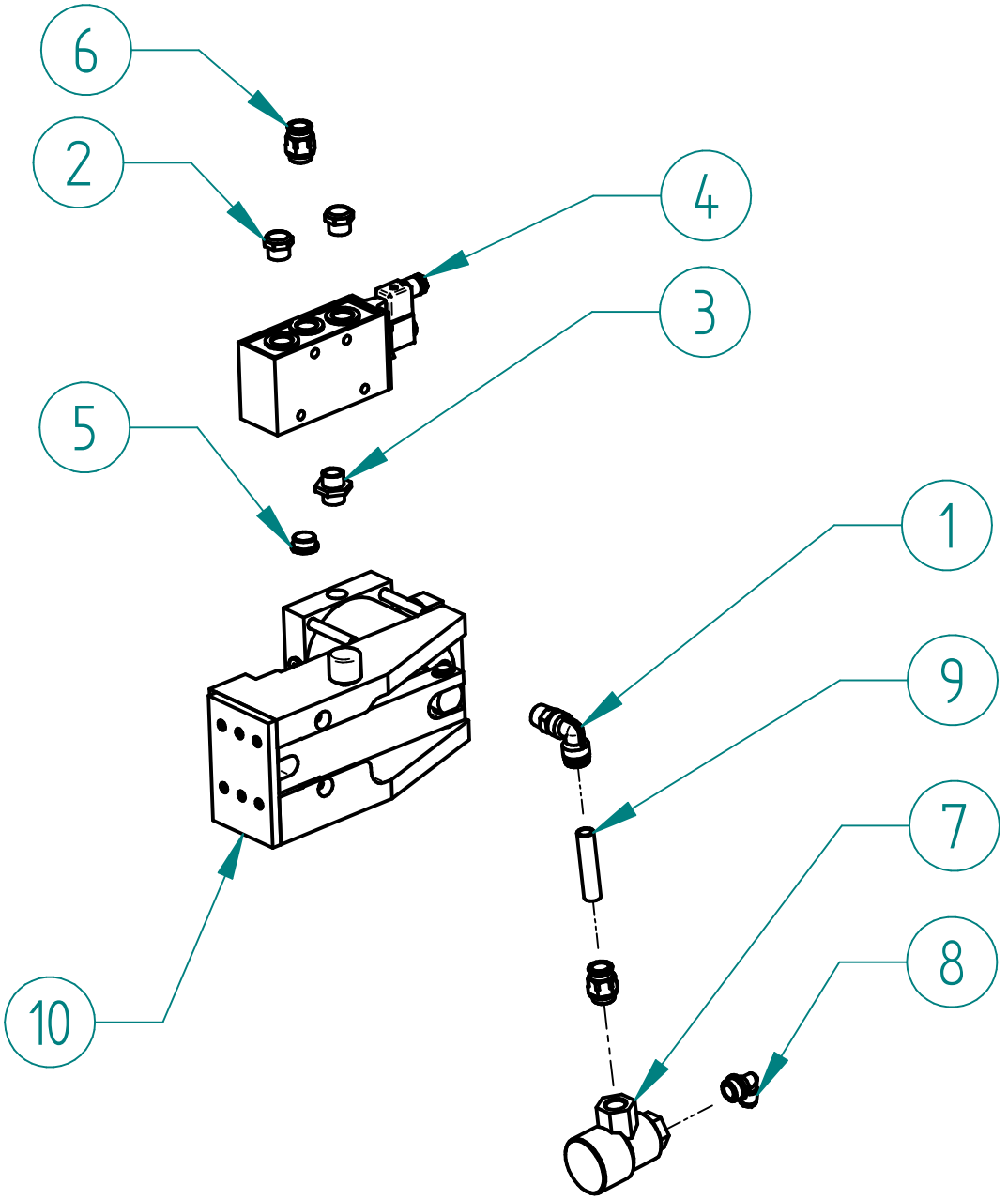
Item Number	File Name (no extension)	Quantity
	KNS – 00790 – KN 41 HBS – KN 41_54 HBC UPSETTING PISTON GROUP	
1	KNS – 00233 – KN 41 HBS – KN 41_54 HBC UPSET PISTON PIVOT	1
2	KNS – 00232 – KN 41 HBS – KN 41_54 HBC UPSET PISTON SLEEVE PIVOT PIN	1
3	KNS – 00234 – KN 41 HBS – KN 41_54 HBC UPSET PISTON SHAFT CONNECTOR	1
4	KNS – 00235 – KN 41 HBS – KN 41_54 HBC UPSET PISTON CONNECTOR HOUSING LIM	1
5	GSP – 00444 – 81102 – TN SKF – JAW GAP AXIAL BEARING	1
6	KNS – 00236 – KN 41 HBS – KN 41_54 HBC UPSET PISTON SHAFT BEARING BUSHING	1
7	GSP – 00022 – M6X16 IMBUS BOLT	6
8	KNS – 00409 – KNURLED KNOB Q12x30	1
9	KNS – 00230 – KN41HBS – 41_54 HBC UPSET PISTON MAIN PIVOT PIN	1
10	GSP – 00299 – M6X10 SETSCREW	1



Item Number	File Name (no extension)	Quantity
1	KNS – 00231 – KN 41 HBS – KN 41_54 HBC UPSET PISTON HOUSING	1
10	GSP – 00561 – MOLD SPRING BLUE 16X8X102	1
11	GSP – 00055 – M10X110 IMBUS BOLT	4
12	GSP – 00979 – O-RING 101X2	2
13	GSP – 00035 – M8X50 IMBUS BOLT	2
14	GSP – 00052 – M10X80 IMBUS BOLT	2
15	GSP – 00046 – M10X35 IMBUS BOLT	1
16	FSP – 00080 – BLANKING SCREW NPQH-BK-G14-P10	1
17	GSP – 00381 – PRESSURE SENSOR 0-16 BAR 0-10V	1
18	GSP – 00548 – O-RING 30X3	1
2	KNS – 00227 – KN 41 HBS – KN 41_54 HBC UPSET PISTON SHAFT	1
3	GSP – 00385 – PAP 3015 BUSH	1
4	KNS – 00228 – KN 41 HBS – KN 41_54 HBC UPSET PISTON FRONT CASING	1
5	KNS – 00225 – KN 41 HBS – KN 41_54 HBC UPSET PISTON PIPE	1
6	GSP – 00536 – KASTAS-K25-100x20x26 PNEUMATIC SEAL	1
7	GSP – 00497 – KM-4 LOCKNUT	1
8	KNS – 00223 – KN 41 HBS – KN 41_54 HBC UPSET PISTON BACK CASING	1
9	KNS – 00224 – KN 41 HBS – KN 41_54 HBC UPSET PISTON SPRING SHAFT	1

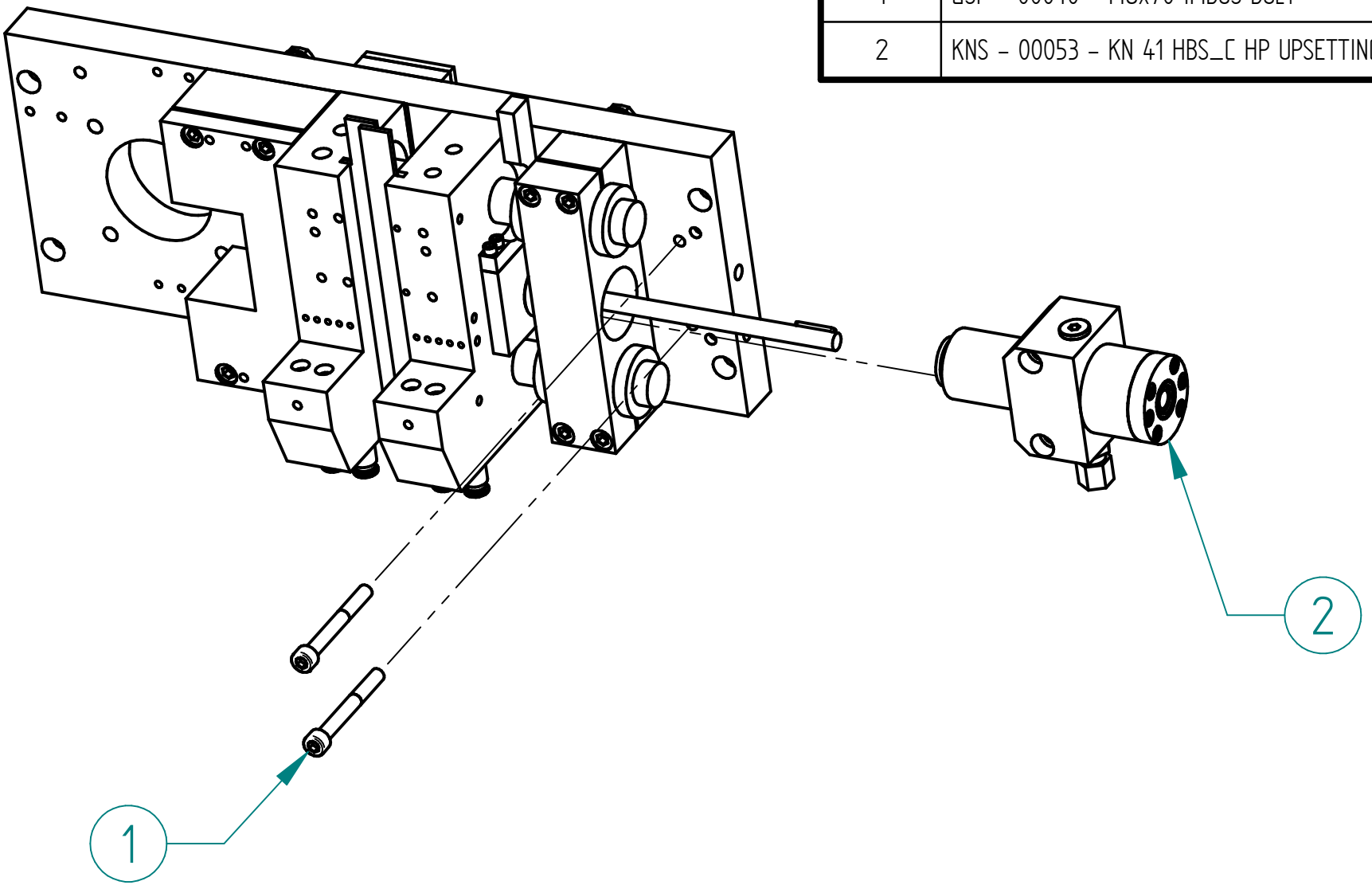


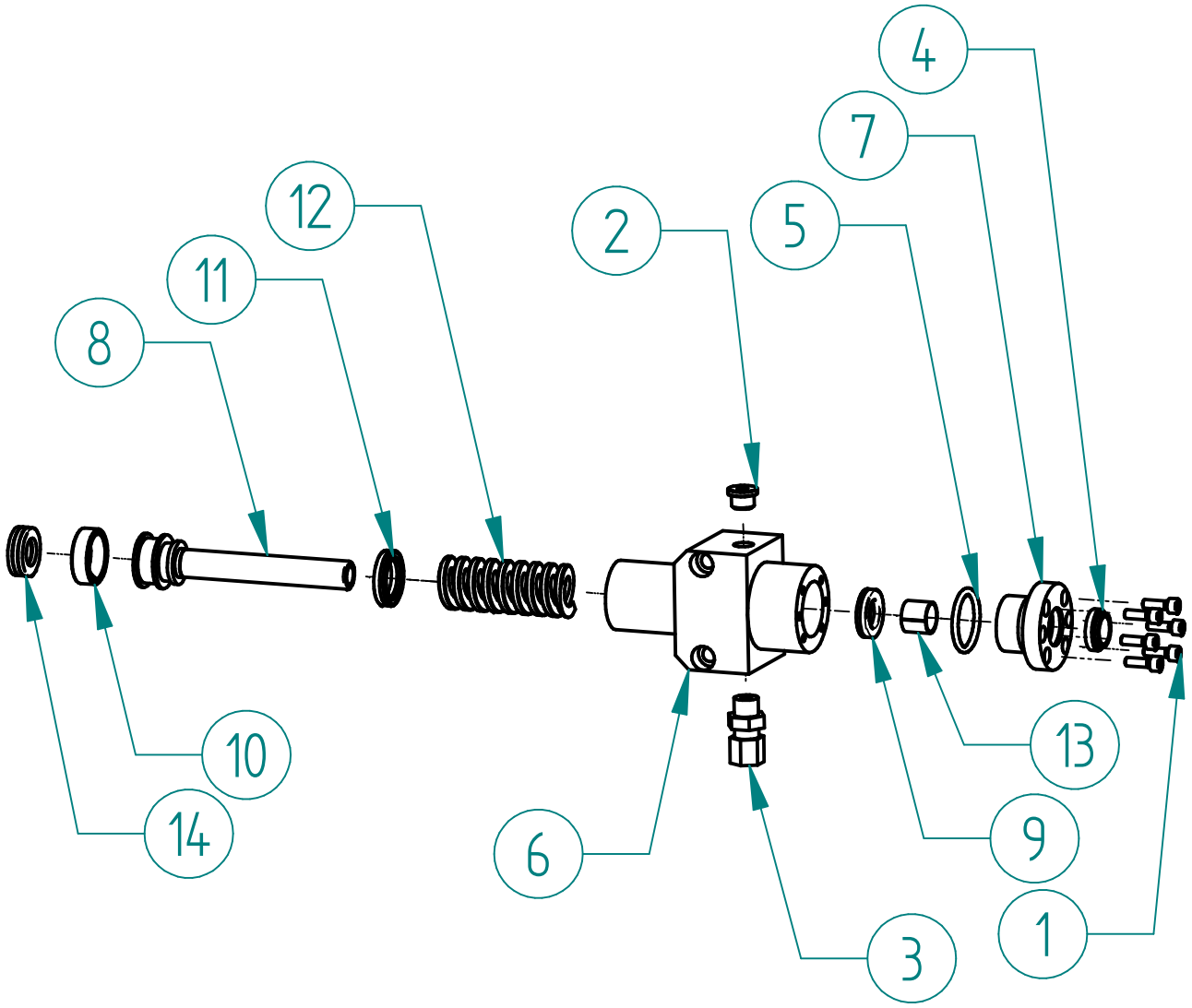
Item Number	File Name (no extension)	Quantity
1	FSP – 00062 – PUSH-IN L FITTINGS QSL-1_2-16	1
2	FSP – 00018 – PNEUMATIC MUFFLER AMTE-M-H-G12	2
3	GSP – 00380 – PNEUMATIC NIPPLE 1_2-1_2	1
4	FSP – 00085 – MFH-5-1_2	1
5	FSP – 00082 – BLANKING SCREW NPQH-BK-G12-P10	1
6	FSP – 00059 – PUSH-IN FITTINGS QS-G1_2-16	2
7	FSP – 00040 – QUICK EXHAUST VALVE SEU-1_2_1	1
8	FSP – 00057 – FESTO PUSH-IN FITTINGS QS-1_2-10	1
9	FSP – 00094 – PQ-AL-16X1X3000	1
10	KNS – 00790 – KN 41 HBS – KN 41_54 HBC UPSETTING PISTON GROUP	1



HYDRAULIC UPSETTING GROUP

Item	File Name (no extension)	Quantity
1	GSP – 00040 – M8x70 IMBUS BOLT	2
2	KNS – 00053 – KN 41 HBS_C HP UPSETTING PISTON	1

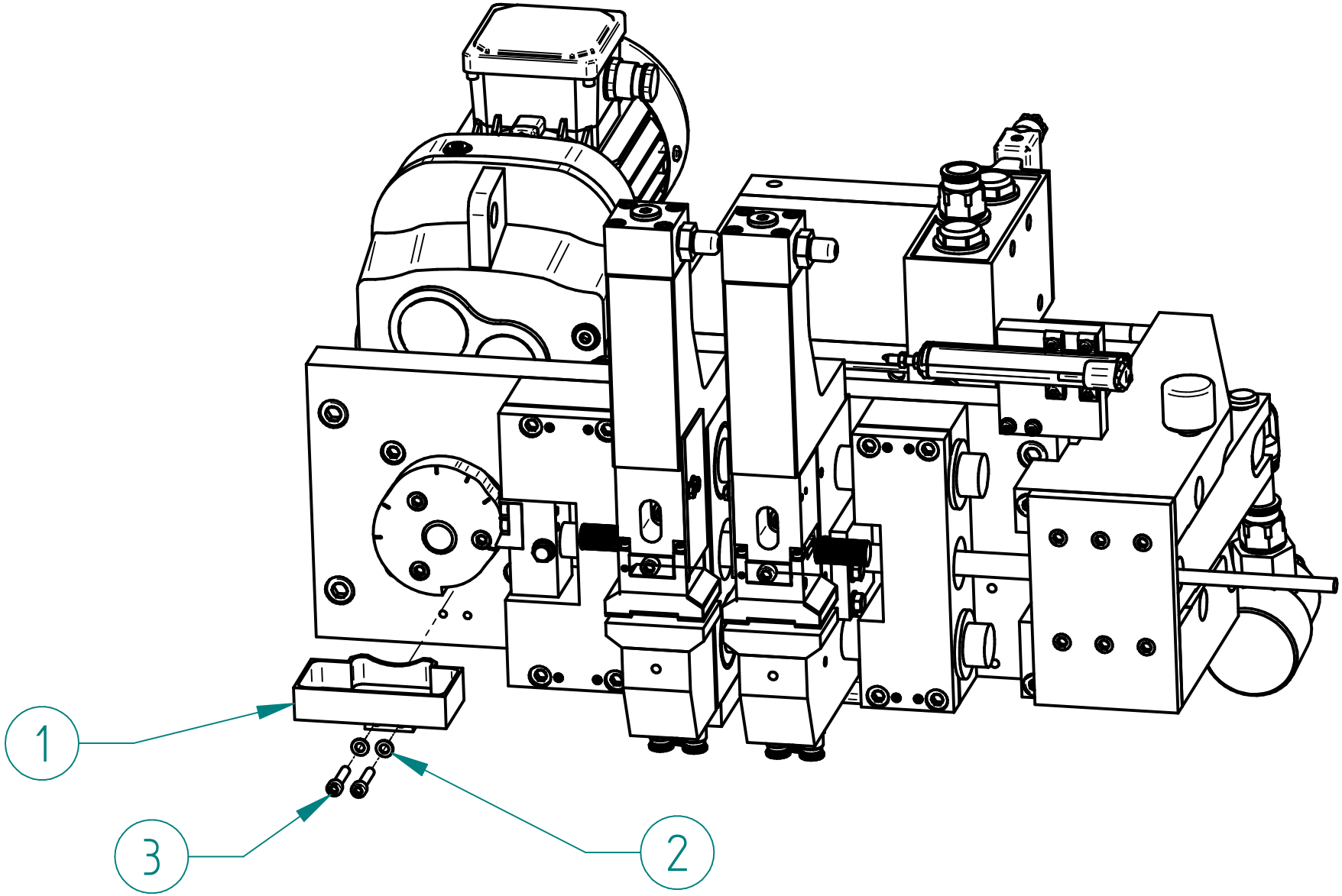




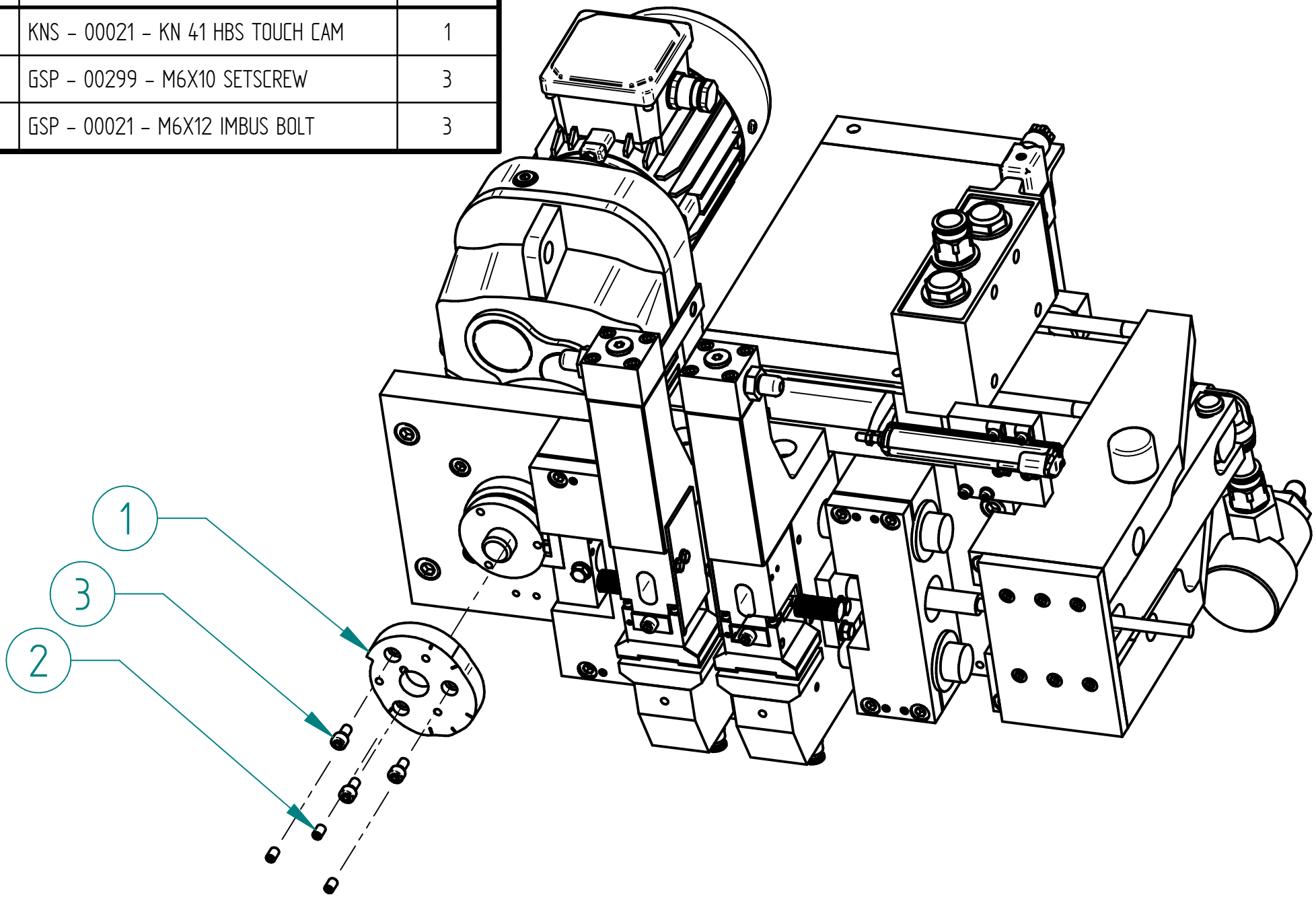
Item	File Name (no extension)	Quantity
	KNS – 00053 – KN 41 HBS_C HP UPSETTING PISTON	
1	GSP – 00014 – M5X16 IMBUS BOLT	6
2	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	1
3	HSP – 00011 – FITTING DRS 3_8-12	1
4	GSP – 00580 – KASTAS-K06-016-16X24X7_5 – DUST SEAL RING	1
5	GSP – 00980 – O-RING 24x3	1
6	KNS – 00654 – KN 41 HBS UPSETTING MAIN BLOCK	1
7	KNS – 00450 – KN 41_67 HBS_67_100_120 HBA UPSETTING SYSTEM SEAL GUIDE COVER	1
8	KNS – 00583 – KN 41 HBS_C UPSET MAIN SHAFT	1
9	GSP – 00515 – KASTAS-K21-16X28X6 – KN 67_100_120 HBA UPSETTING SYSTEM	1
10	GSP – 00523 – KASTAS-K68-26X32X9_8 – HYDRAULIC PISTON GUIDE RING	1
11	GSP – 00514 – KASTAS-K21-22X32X6 – KN 67_100_120 HBA UPSETTING SYSTEM	1
12	GSP – 00607 – MOLD SPRING GREEN 32x76	1
13	GSP – 00390 – PAP 1615 BUSH	1
14	GSP – 00444 – 81102 – TN SKF – JAW GAP AXIAL BEARING	1

OPERATIONAL CAM AND SPINDLE GROUP

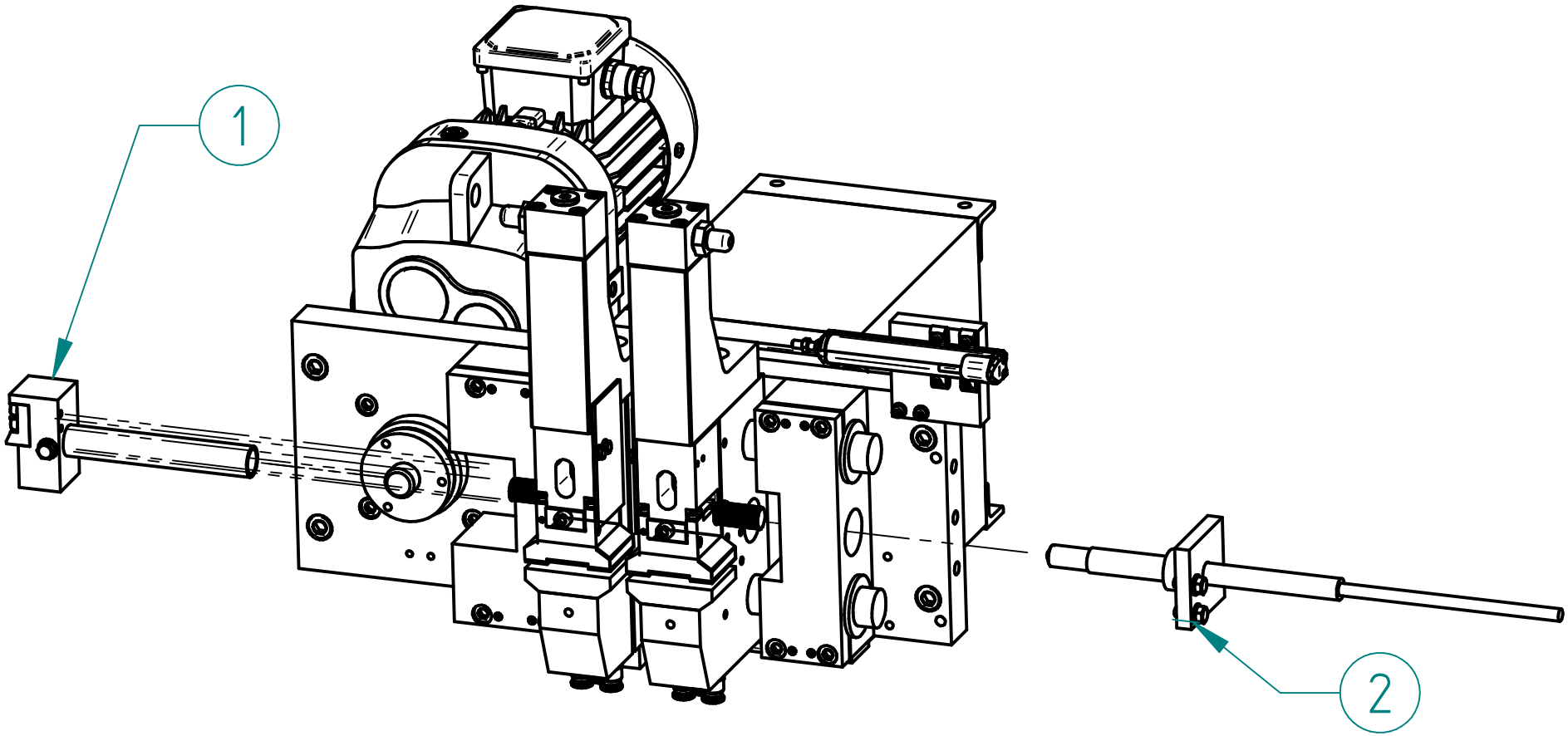
Item Number	File Name (no extension)	Quantity
1	KNS – 00305 – KN 41 HBS – 41_54 HBC CAM LUBRICATION BLOCK	1
2	GSP – 00273 – M5 WASHER	2
3	GSP – 00117 – M5x25 HEXAGON BOLT	2



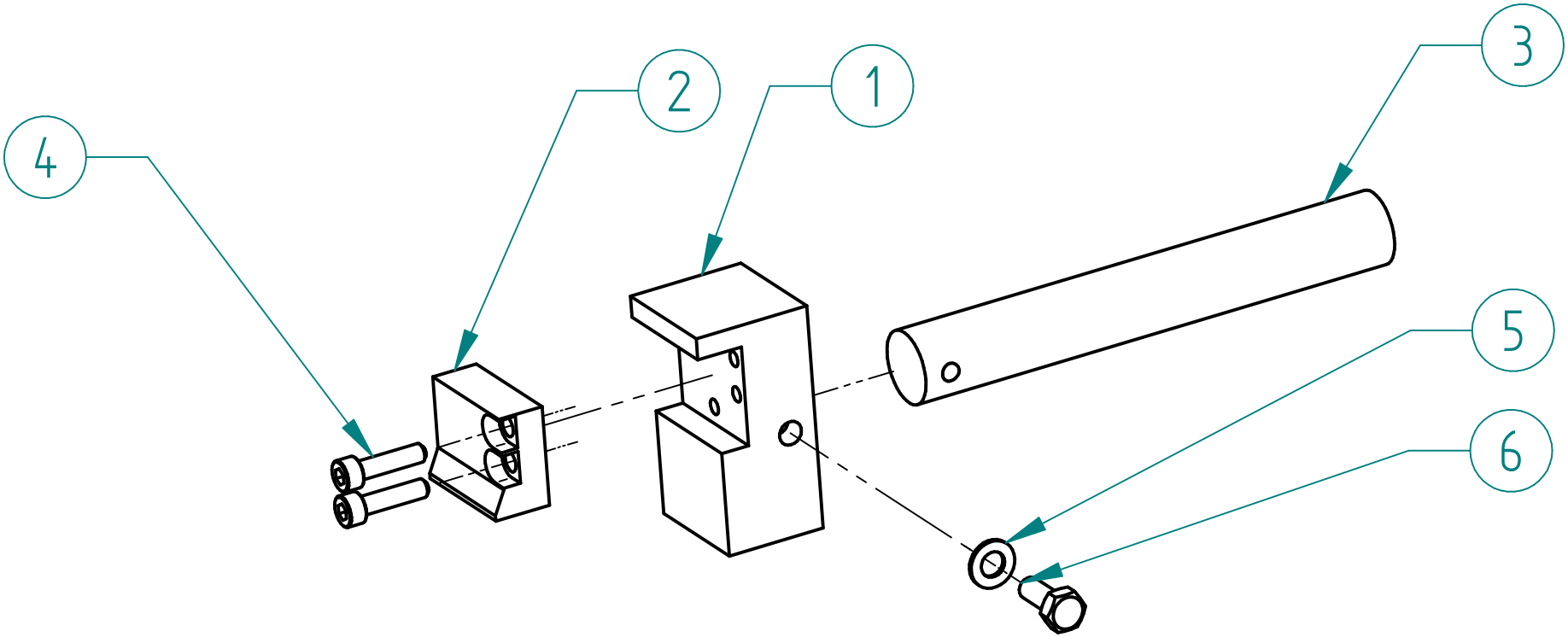
Item Number	File Name (no extension)	Quantity
1	KNS – 00021 – KN 41 HBS TOUCH CAM	1
2	GSP – 00299 – M6X10 SETSCREW	3
3	GSP – 00021 – M6X12 IMBUS BOLT	3



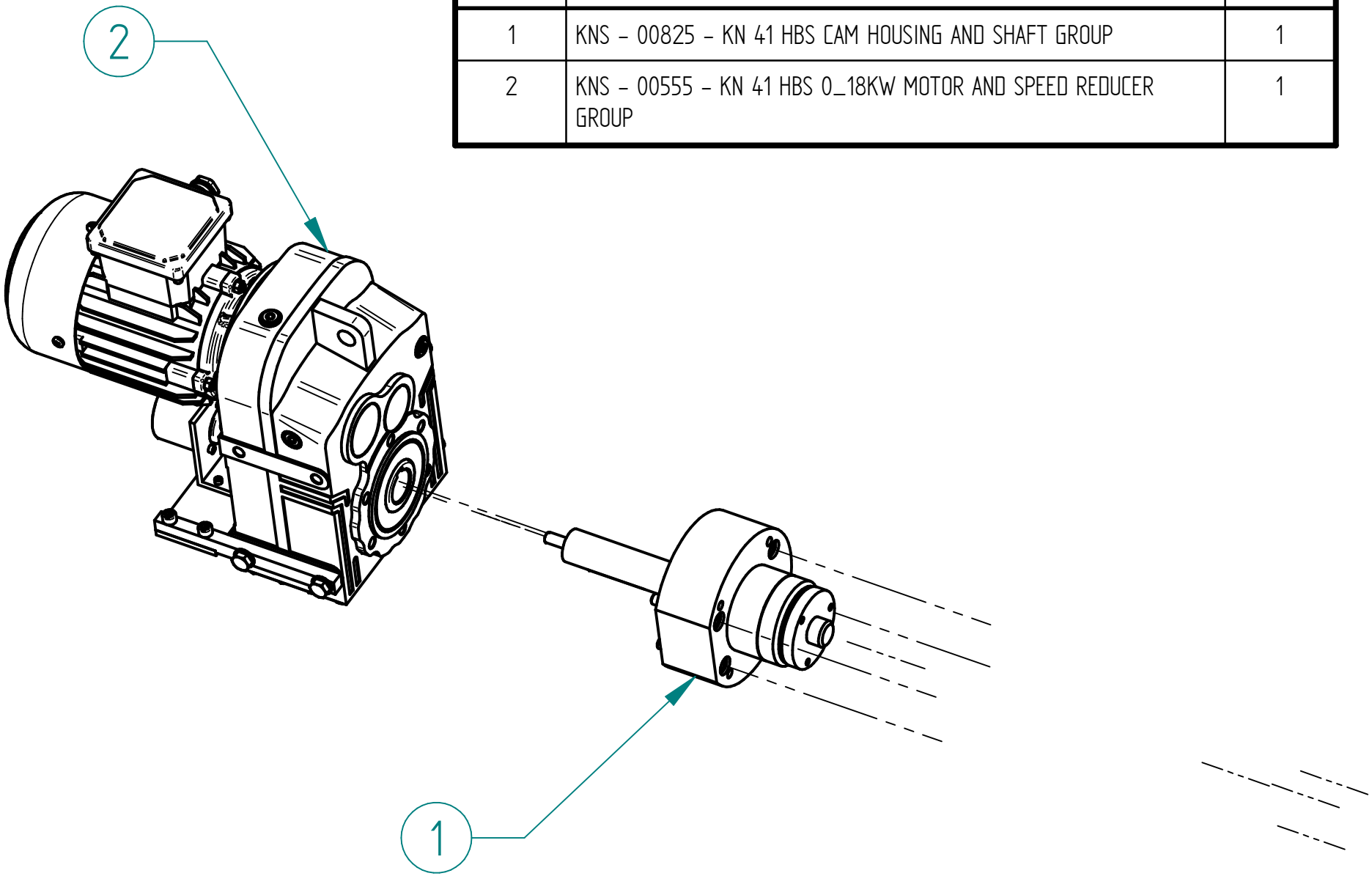
Item Number	File Name (no extension)	Quantity
1	KNS – 00039 – SPINDLE SET FOR KN WELDER	1
2	KNS – 00581 – KN 41 HBS TOUCH JAW GAP SHAFT ASSEMBLY	1



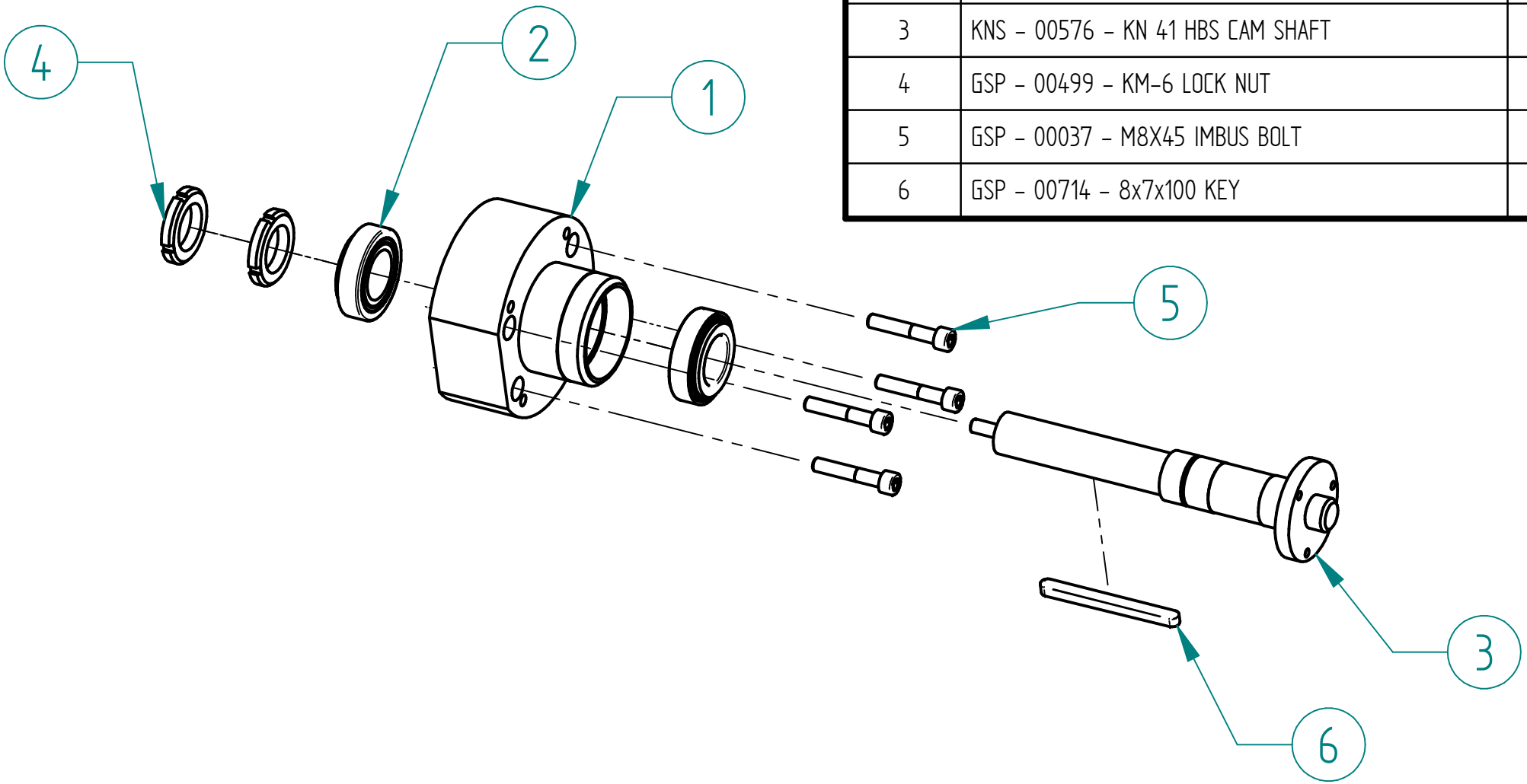
Item Number	File Name (no extension)	Quantity
	KNS – 00039 – SPINDLE SET FOR KN WELDER	
1	KNS – 00203 – SPINDLE BASE PART	1
2	KNS – 00040 – SPINDLE HEAD FOR KN WELDER	1
3	KNS – 00204 – SPINDLE CHROME SHAFT	1
4	GSP – 00015 – M5X20 IMBUS BOLT	2
5	GSP – 00274 – M6 WASHER	1
6	GSP – 00124 – M6X15 HEXAGON BOLT	1



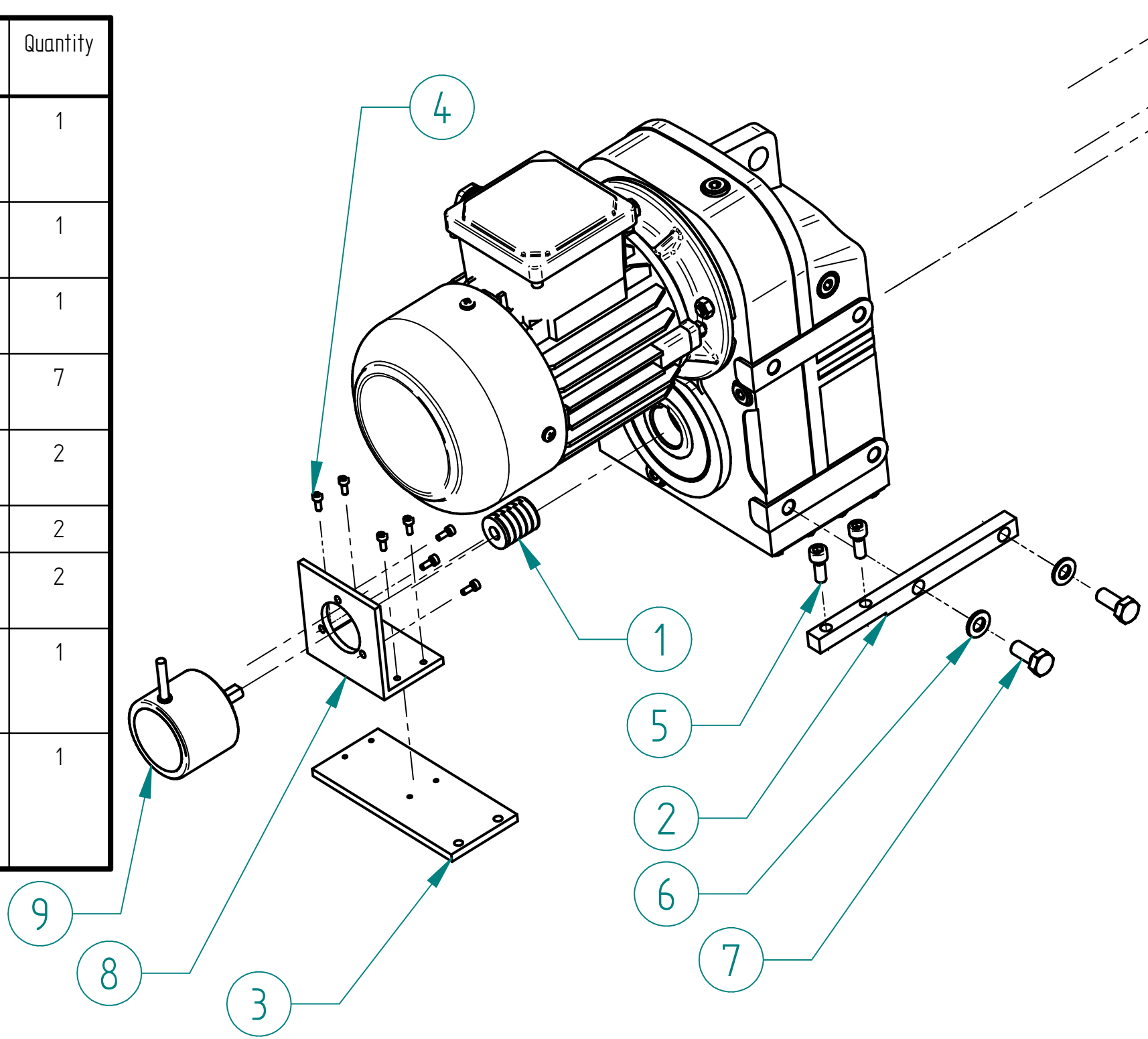
Item Number	File Name (no extension)	Quantity
1	KNS – 00825 – KN 41 HBS CAM HOUSING AND SHAFT GROUP	1
2	KNS – 00555 – KN 41 HBS 0_18KW MOTOR AND SPEED REDUCER GROUP	1



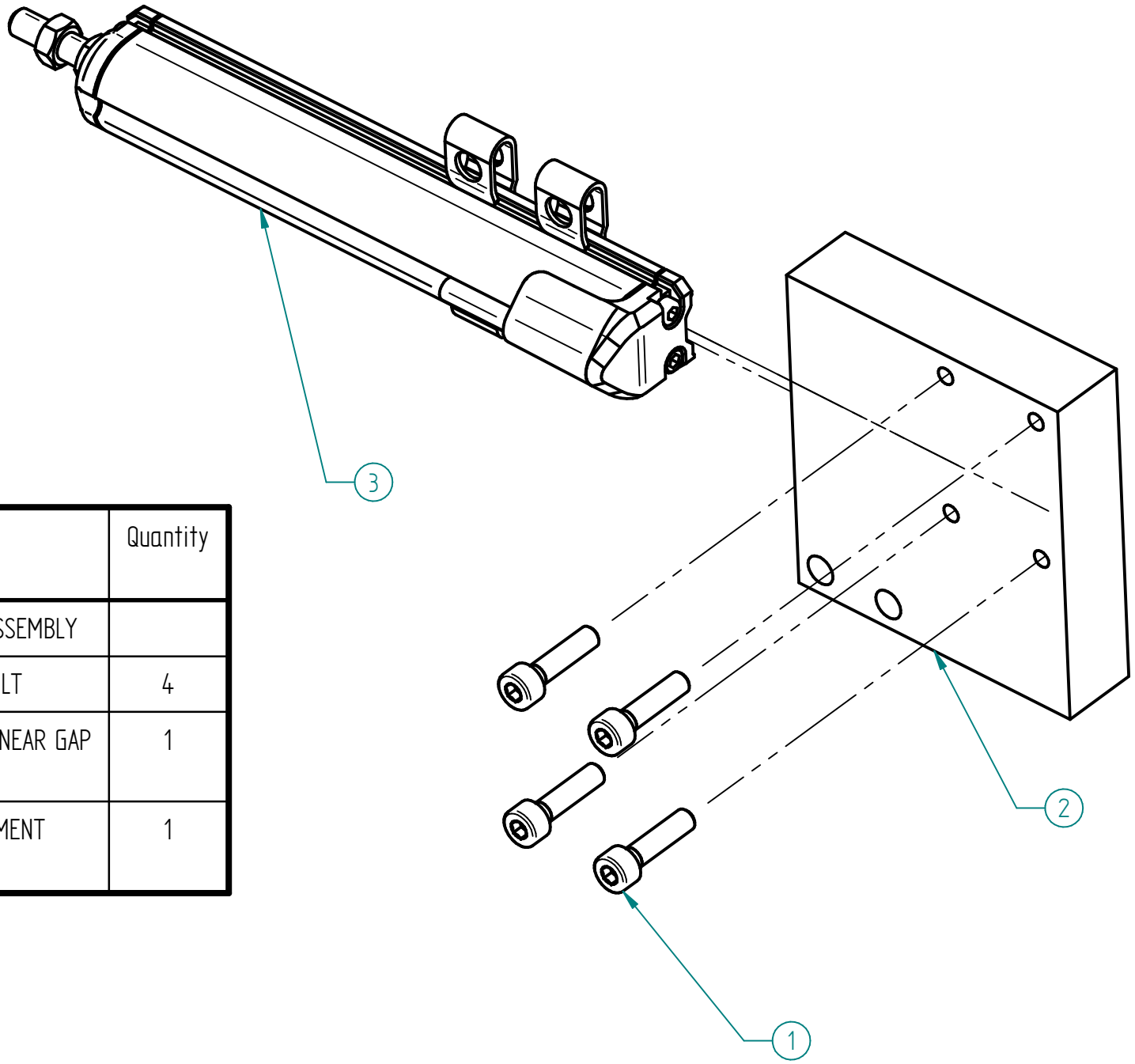
Item Number	File Name (no extension)	Quantity
	KNS – 00825 – KN 41 HBS CAM HOUSING AND SHAFT GROUP	
1	KNS – 00212 – KN 41 HBS_C – KN 54 HBC CAM HOUSING	1
2	GSP – 00441 – KN 41_54 HBC KN 41_67 HBS CAM BEARING – 32006 SKF	2
3	KNS – 00576 – KN 41 HBS CAM SHAFT	1
4	GSP – 00499 – KM-6 LOCK NUT	2
5	GSP – 00037 – M8X45 IMBUS BOLT	4
6	GSP – 00714 – 8x7x100 KEY	1



Item Number	File Name (no extension)	Quantity
1	GSP – 00545 – KN 41_67 HBS – DK BLOCK ENCODER COUPLING	1
2	KNS – 00578 – ENCODER CONNECTION LIM 1	1
3	KNS – 00579 – ENCODER CONNECTION LIM 2	1
4	GSP – 00002 – M3X8 IMBUS BOLT	7
5	GSP – 00022 – M6X16 IMBUS BOLT	2
6	GSP – 00275 – M8 WASHER	2
7	GSP – 00154 – M8x20 HEXAGON BOLT	2
8	KNS – 00577 – OPKON ROTARY INCREMENTAL ENCODER L HOUSING	1
9	GSP – 00598 – OPKON ROTARY INCREMENTAL ENCODER – LTP 1024 Z V3 2m5R SL	1



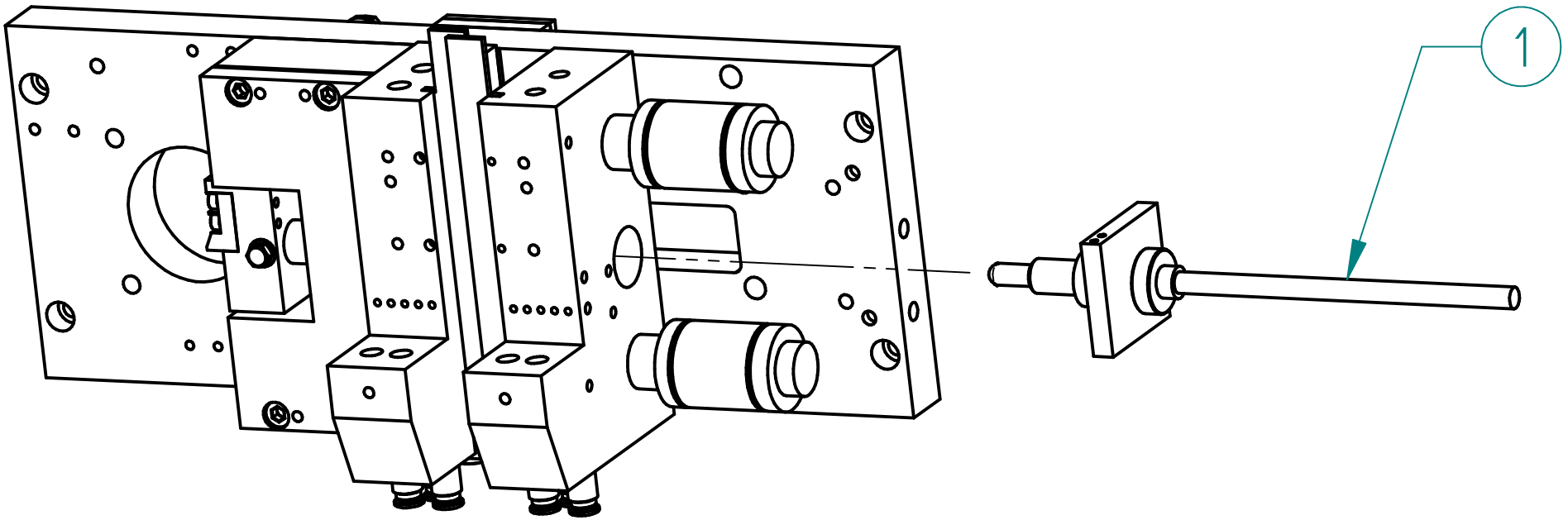
JAW GAP SYSTEM

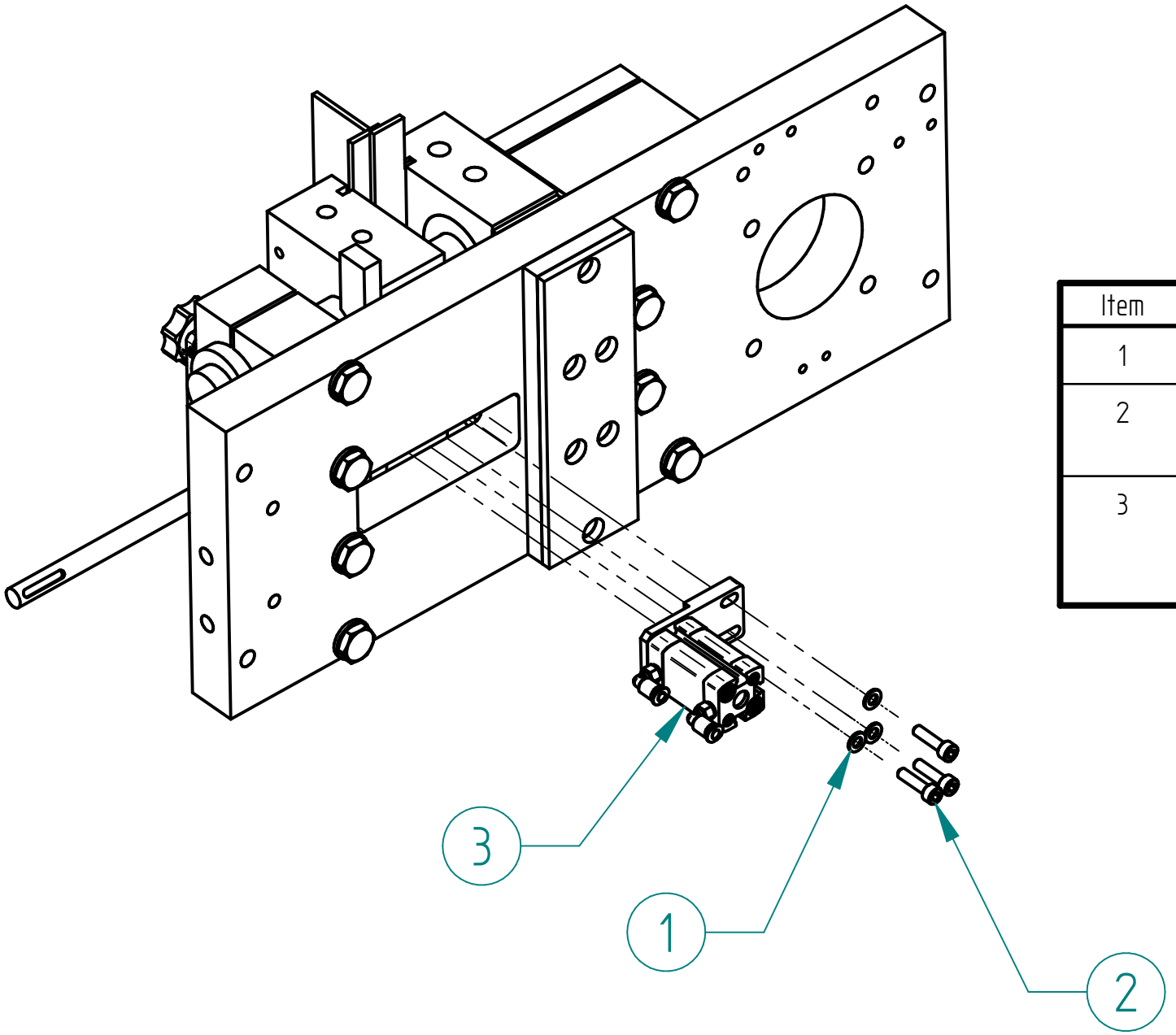


Item Number	File Name (no extension)	Quantity
	LINEAR MEASUREMENT SENSOR ASSEMBLY	
1	GSP – 00007 – M4X16 IMBUS BOLT	4
2	KNS – 00173 – KN 41_54 HBC LINEAR GAP SENSOR ASSEMBLY LIM	1
3	KNS – 00137 – LINEAR MEASUREMENT SENSOR	1

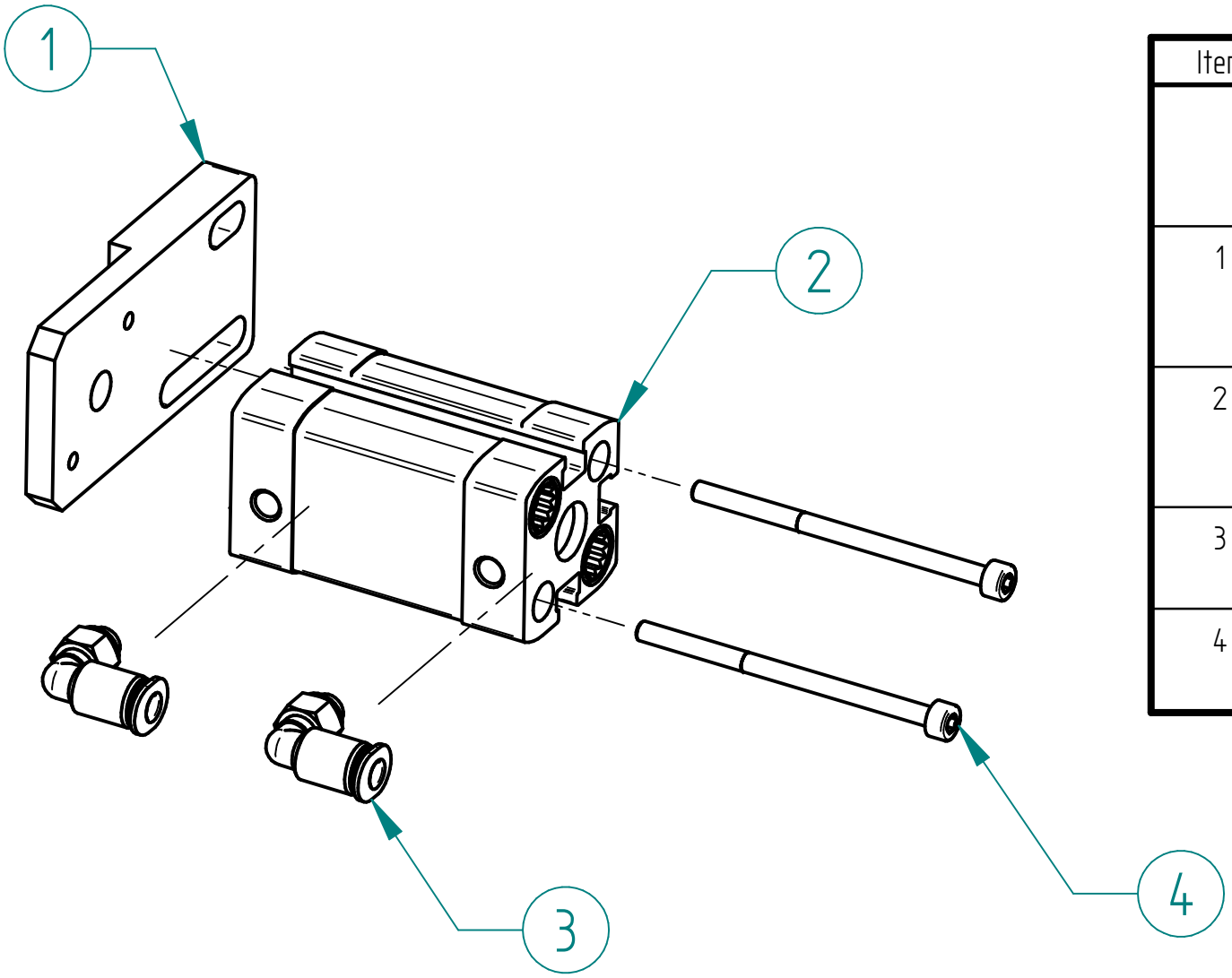
OLD
VERSION

Item	File Name (no extension)	Quantity
	KN 41 HBS	
1	KNS - 00687 - KN 41 HBS_C HP JAW GAP SHAFT GROUP	1

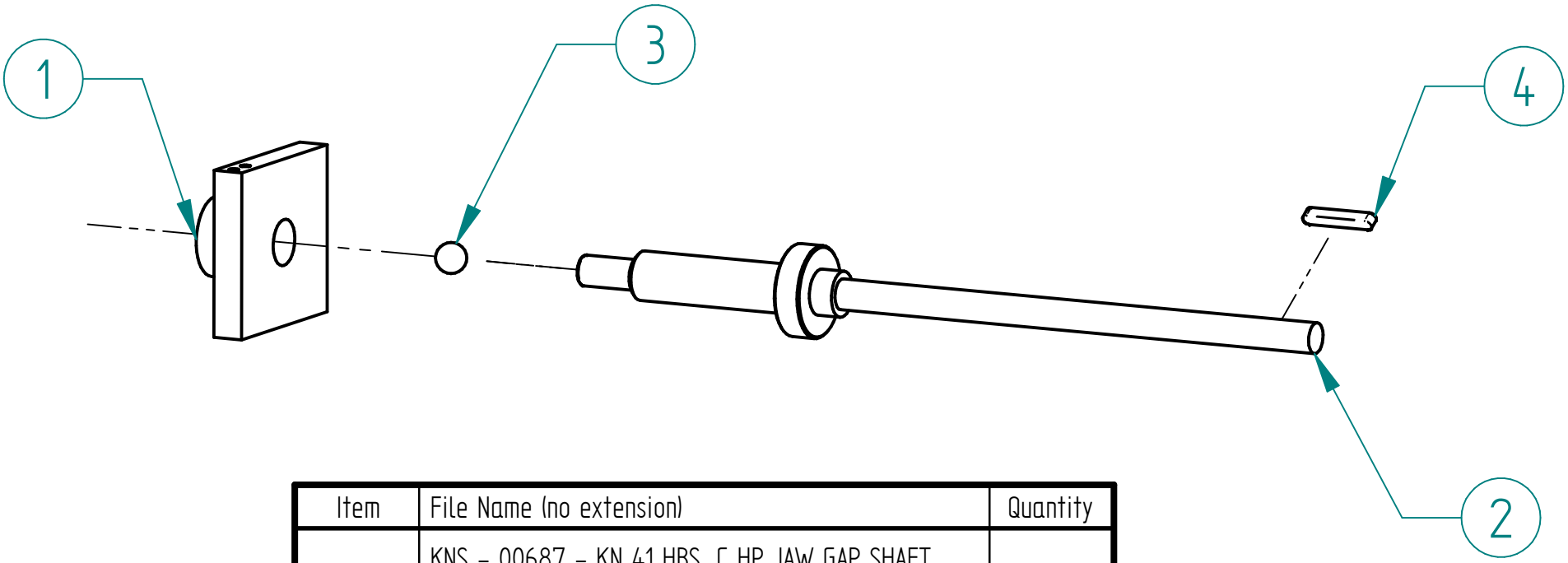




Item	File Name (no extension)	Quantity
1	GSP – 00273 – M5 WASHER	3
2	GSP – 00015 – M5X20 IMBUS BOLT	3
3	KNS – 00038 – KN 41_54 HBC – 41 HBS LOCKING PISTON GROUP	1



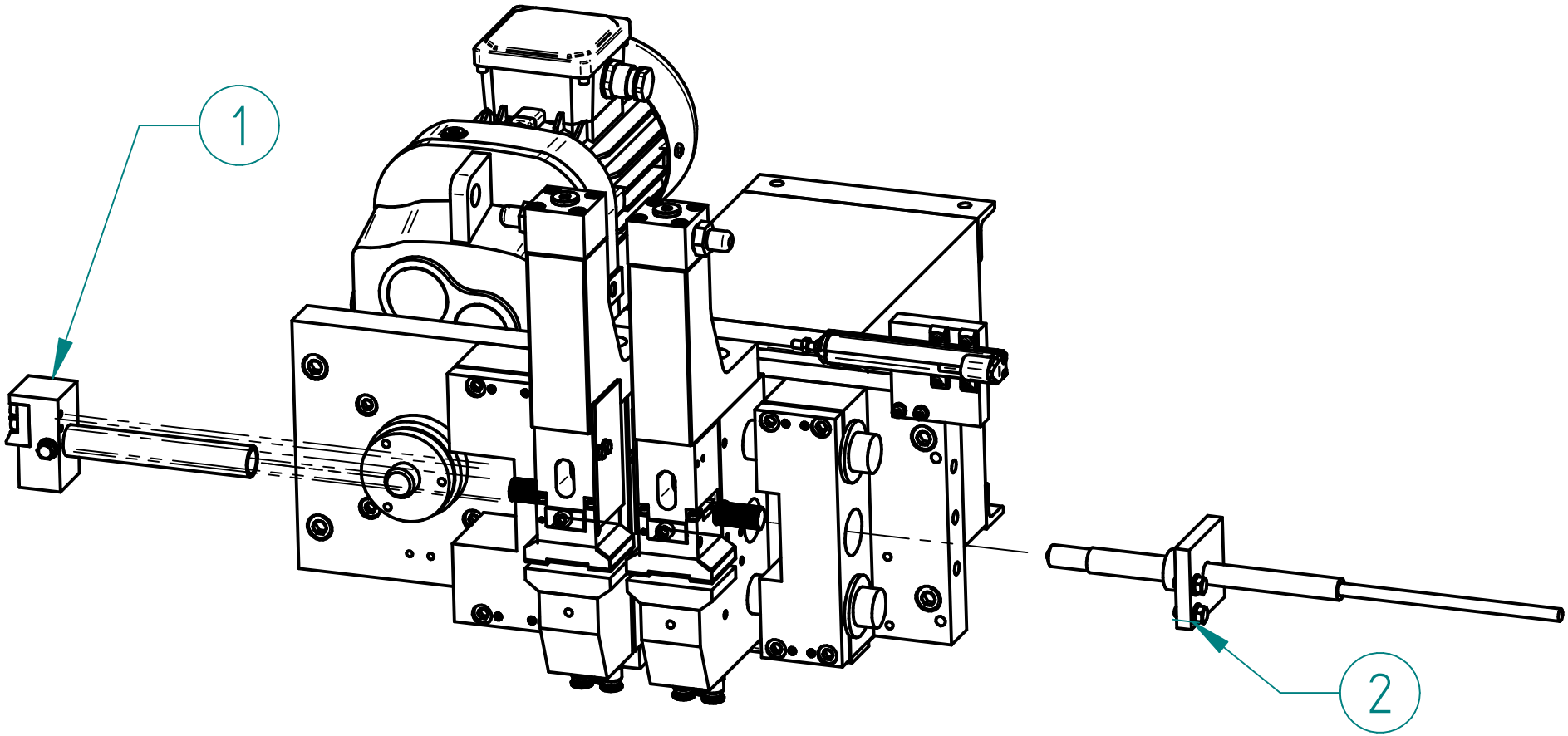
Item	File Name (no extension)	Quantity
	KNS – 00038 – KN 41_54 HBC – 41 HBS LOCKING PISTON GROUP	
1	KNS – 00465 – KN 41_54 HBC_S LOCKING PISTON ASSEMBLY LIM	1
2	FSP – 00102 – COMPACT CYLINDER 536213 ADN-12-15-I-P-A	1
3	FSP – 00097 – PUSH-IN L FITTINGS QSML-M5-4	2
4	GSP – 00606 – M3x50 IMBUS BOLT	2



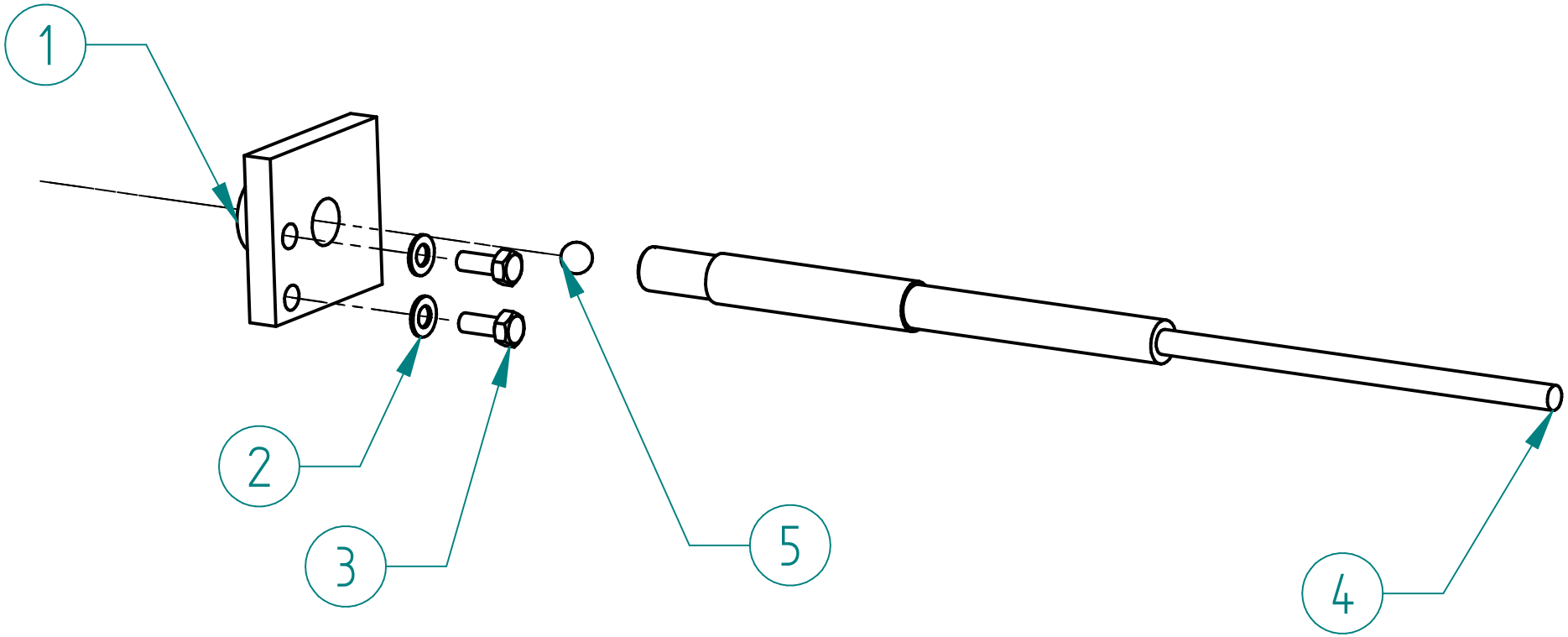
Item	File Name (no extension)	Quantity
	KNS – 00687 – KN 41 HBS_C HP JAW GAP SHAFT GROUP	
1	KNS – 00044 – KN 41 HBC_S HP JAW GAP NUT	1
2	KNS – 00045 – KN 41 HBC_S HP UPSET JAW GAP SHAFT	1
3	GSP – 00379 – Q10 STEEL BALL	1
4	GSP – 00710 – 4x4x25 KEY	1

NEW
VERSION

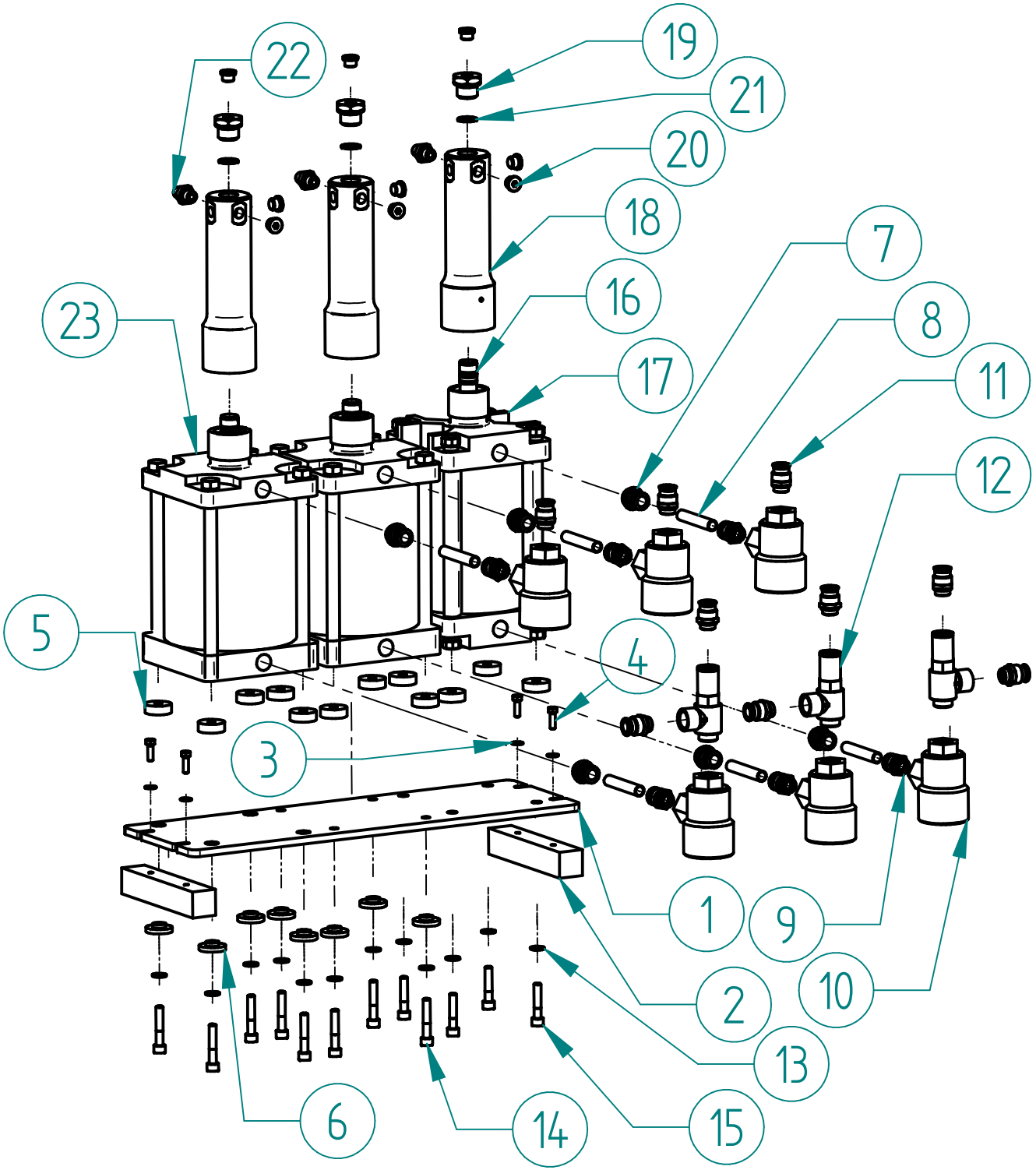
Item Number	File Name (no extension)	Quantity
1	KNS – 00039 – SPINDLE SET FOR KN WELDER	1
2	KNS – 00581 – KN 41 HBS TOUCH JAW GAP SHAFT GROUP	1



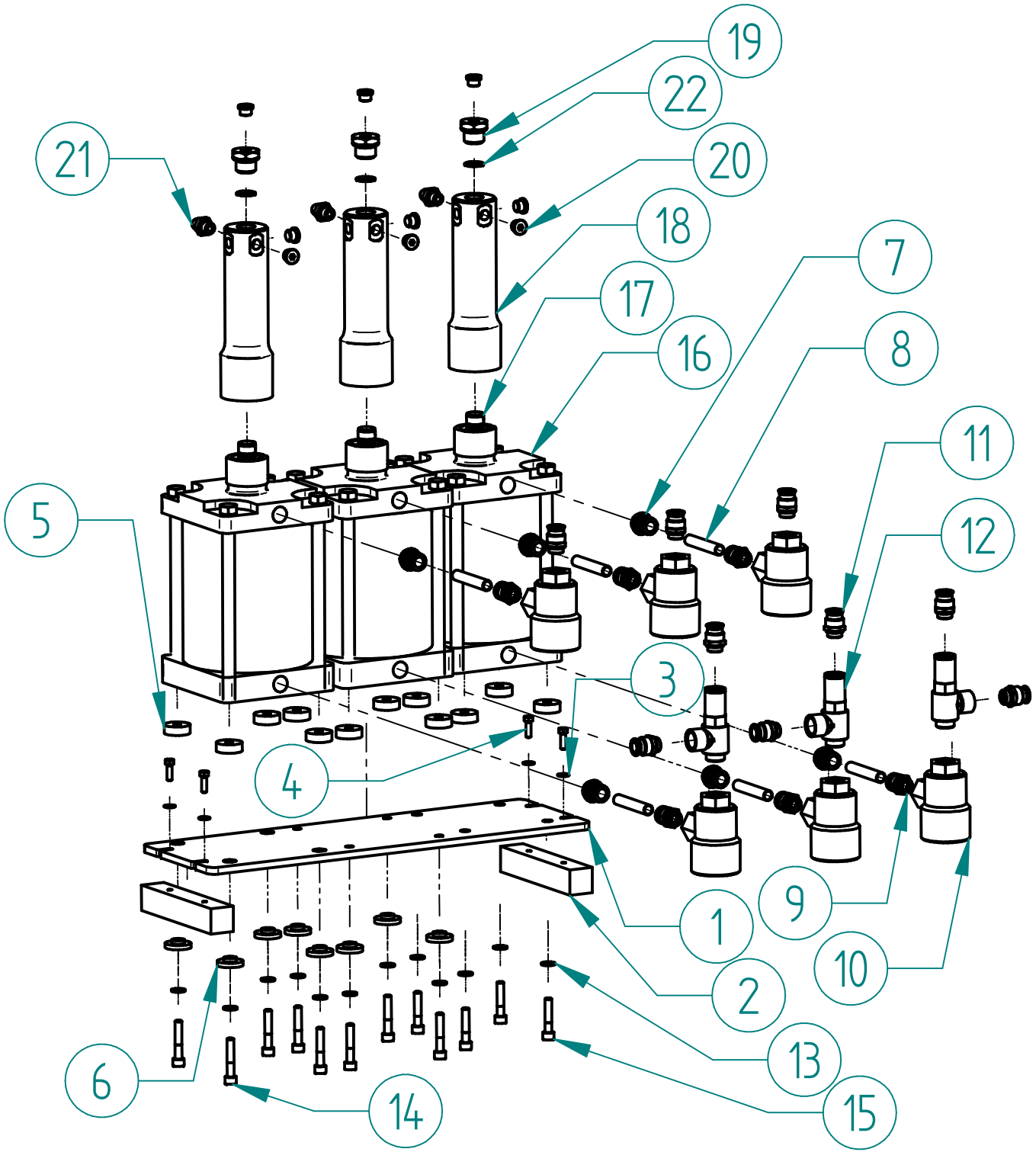
Item Number	File Name (no extension)	Quantity
	KNS – 00581 – KN 41 HBS TOUCH JAW GAP SHAFT GROUP	
1	KNS – 00041 – KN 41 HBS – KN 41_54 HBC JAW GAP NUT	1
2	GSP – 00274 – M6 WASHER	2
3	GSP – 00124 – M6X15 HEXAGON BOLT	2
4	KNS – 00048 – KN 41 HBS PN UPSET JAW GAP SHAFT	1
5	GSP – 00379 – Q10 STEEL BALL	1



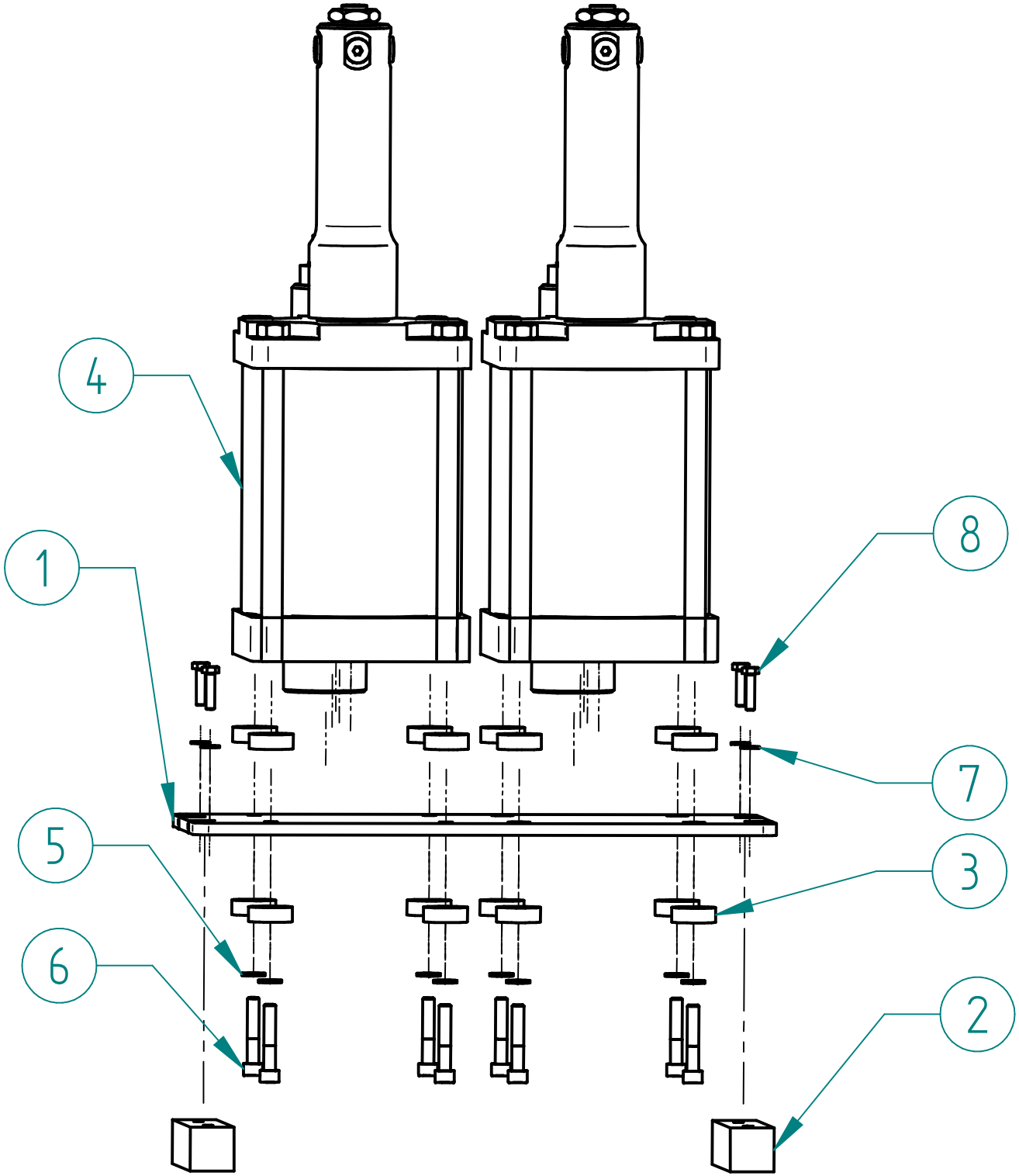
BOOSTER GROUP



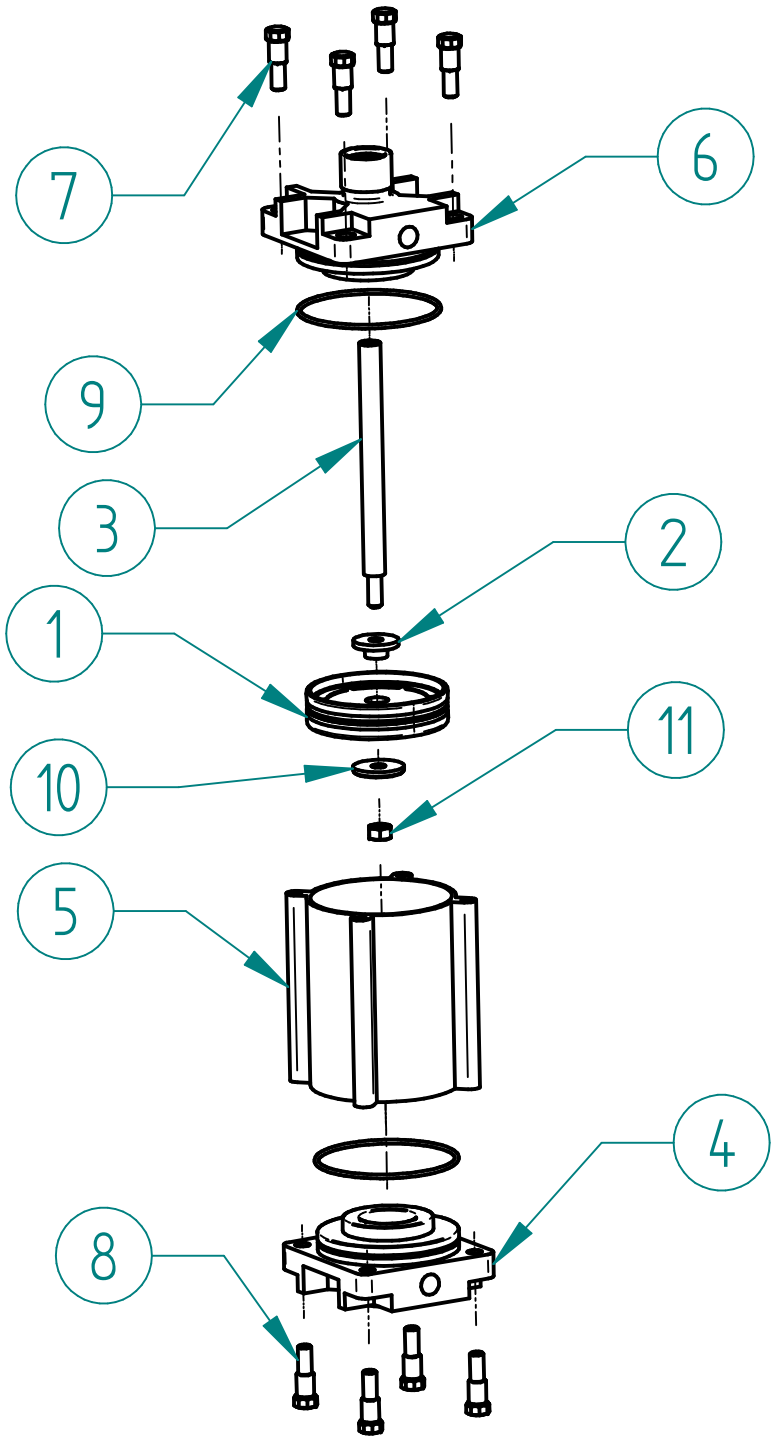
Item	File Name (no extension)	Quantity
	KN 41 HBS HP BOOSTER GROUP	
1	KNS – 00136 – PISTON ASSEMBLY PLATE 6	1
2	HBS-BC-30x30 BOOSTER BASE – 2	2
3	GSP – 00274 – M6 WASHER	4
4	GSP – 00139 – M6x20 HEXAGON BOLT	4
5	KNS – 00293 – Q8_5-30 PLASTIC WASHER	12
6	KNS – 00468 – Q8_5-15 PLASTIC WASHER	8
7	FSP – 00058 – FESTO PUSH-IN FITTINGS QS-1_2-12	6
8	FSP – 00095 – PQ-AL-12X1X3000	6
9	FSP – 00060 – PUSH-IN FITTINGS QS-3_8-12	6
10	FSP – 00041 – QUICK EXHAUST VALVE SEU-3_8	6
11	FSP – 00108 – PUSH-IN FITTINGS QS-3_8-10	9
12	FSP – 00046 – PILOTED NON RETURN VALVE HGL-3_8-B	3
13	GSP – 00275 – M8 WASHER	12
14	GSP – 00037 – M8X45 IMBUS BOLT	8
15	GSP – 00036 – M8x40 IMBUS BOLT	4
16	KNS – 00083 – HYDRAULIC CYLINDER SEAL KIT FOR WELDER	3
17	KNS – 00166 – Q125 HP PISTON GROUP	1
18	KNS – 00081 – HYDRAULIC CYLINDER FOR WELDER	3
19	KNS – 00085 – HYDRAULIC SYLINDER CHECK VALVE	3
20	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	9
21	GSP – 00834 – O-RING 19x2	3
22	HSP – 00002 – HYDRAULIC FITTING 1_4-10	3
23	KNS – 00571 – Q 140 AIR PISTON GROUP	2



Item	File Name (no extension)	Quantity
	KN 41 HBS BOOSTER GROUP HP NEW	
1	KNS – 00136 – PISTON ASSEMBLY PLATE 6	1
2	HBS-BC-30x30 BOOSTER BASE – 2	2
3	GSP – 00274 – M6 WASHER	4
4	GSP – 00139 – M6x20 HEXAGON BOLT	4
5	KNS – 00293 – Q8_5-30 PLASTIC WASHER	12
6	KNS – 00468 – Q8_5-15 PLASTIC WASHER	8
7	FSP – 00058 – FESTO PUSH-IN FITTINGS QS-1_2-12	6
8	FSP – 00095 – PQ-AL-12X1X3000	6
9	FSP – 00060 – PUSH-IN FITTINGS QS-3_8-12	6
10	FSP – 00041 – QUICK EXHAUST VALVE SEU-3_8	6
11	FSP – 00108 – PUSH-IN FITTINGS QS-3_8-10	9
12	FSP – 00046 – PILOTED NON RETURN VALVE HGL-3_8-B	3
13	GSP – 00275 – M8 WASHER	12
14	GSP – 00037 – M8X45 IMBUS BOLT	8
15	GSP – 00036 – M8x40 IMBUS BOLT	4
16	KNS – 00571 – Q 140 AIR PISTON GROUP	3
17	KNS – 00083 – HYDRAULIC CYLINDER SEAL KIT FOR WELDER	3
18	KNS – 00081 – HYDRAULIC CYLINDER FOR WELDER	3
19	KNS – 00085 – HYDRAULIC SYLINDER CHECK VALVE	3
20	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	9
21	HSP – 00002 – HYDRAULIC FITTING 1_4-10	3
22	GSP – 00834 – O-RING 19x2	3

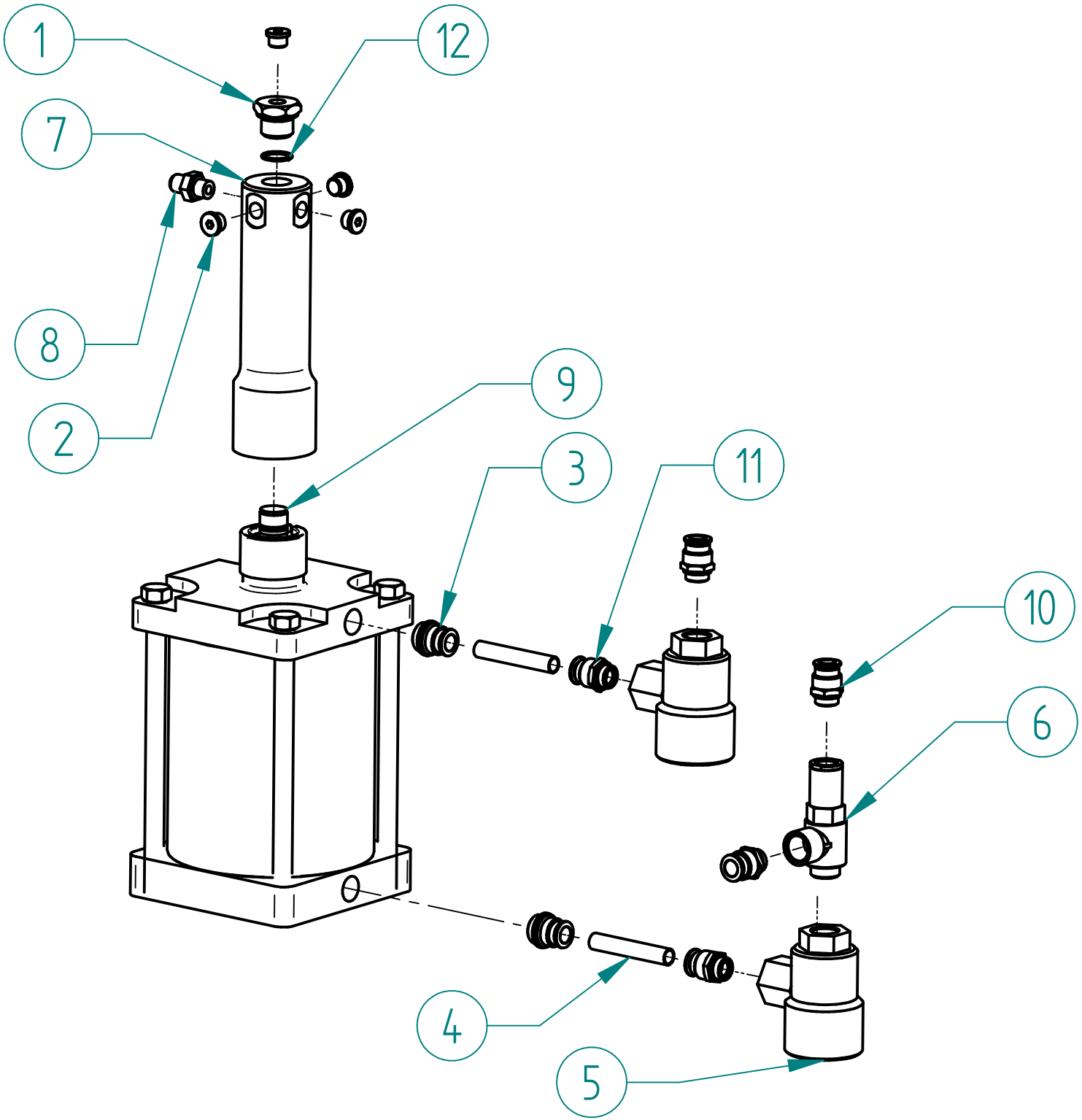


Item Number	File Name (no extension)	Quantity
1	KNS – 00570 – PISTON ASSEMBLY PLATE 3	1
2	HBC-BC-30X30 BOOSTER BASE	2
3	KNS – 00293 – Q8_5-30 PLASTIC WASHER	16
4	KNS – 00571 – Q 140 AIR PISTON GROUP	2
5	GSP – 00275 – M8 WASHER	8
6	GSP – 00037 – M8X45 IMBUS BOLT	8
7	GSP – 00274 – M6 WASHER	4
8	GSP – 00125 – M6X25 HEXAGON BOLT	4

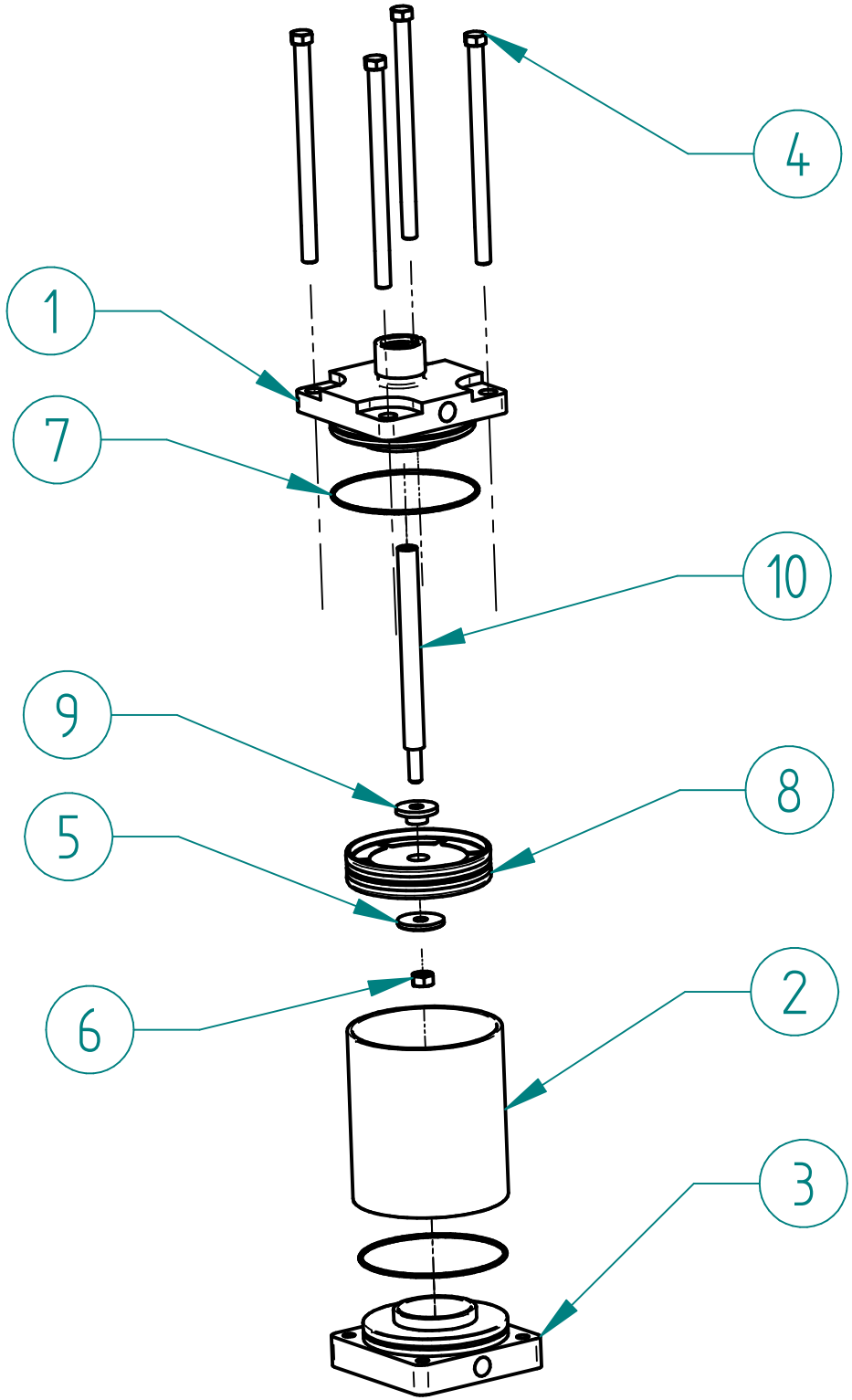


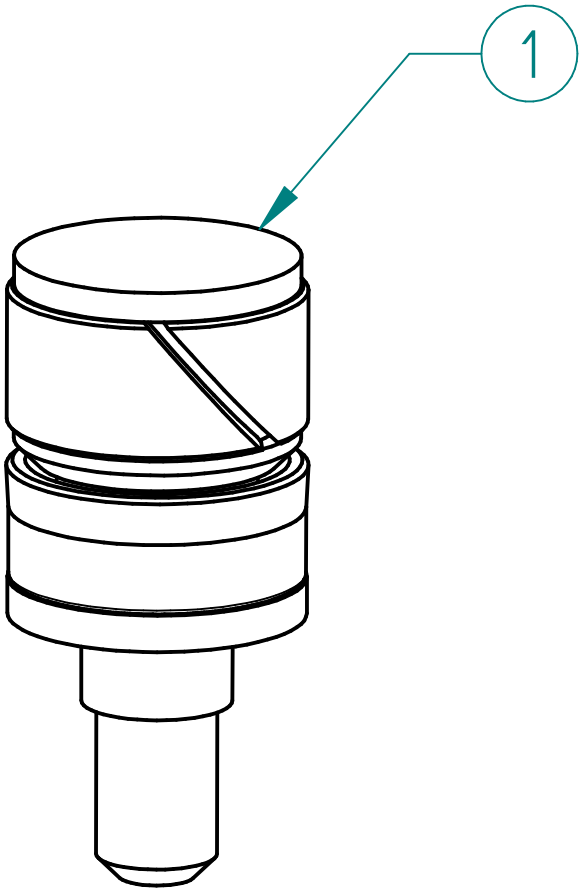
Item	File Name (no extension)	Quantity
	KNS – 00166 – Q125 HP PISTON GROUP	
1	GSP – 00719 – KASTAS K25-125x20x30 PNEUMATIC PISTON SEAL – Q125 AIR PISTON	1
2	KNS – 00568 – Q 125_140 AIR PISTON SEAL BUSHING	1
3	KNS – 00870 – Q 100_125 AIR PISTON SHAFT	1
4	KNS – 00957 – Q 125 AIR PISTON BOTTOM COVER	1
5	KNS – 00956 – Q 125 AIR PISTON PIPE	1
6	KNS – 00958 – Q 125 AIR PISTON TOP COVER	1
7	KNS – 00144 – Q 125 AIR PISTON TOP COVER CONNECTION BOLT	4
8	KNS – 00145 – Q 125 AIR PISTON BOTTOM COVER CONNECTION BOLT	4
9	GSP – 00970 – O-RING 115x3	2
10	KNS – 00121 – Q12_5-45-5 WASHER	1
11	GSP – 00260 – M12 NUT	1

Item	File Name (no extension)	Quantity
	KNS – 00571 – Q 140 AIR PISTON GROUP	
1	KNS – 00085 – HYDRAULIC SYLINDER CHECK VALVE	1
2	HSP – 00001 – HYDRAULIC BLANKING SCREW 1_4	4
3	FSP – 00058 – FESTO PUSH-IN FITTINGS QS-1_2-12	2
4	FSP – 00095 – PQ-AL-12X1X3000	2
5	FSP – 00041 – QUICK EXHAUST VALVE SEU-3_8	2
6	FSP – 00046 – PILOTED NON RETURN VALVE HGL-3_8-B	1
7	KNS – 00081 – HYDRAULIC CYLINDER FOR WELDER	1
8	HSP – 00002 – HYDRAULIC FITTING 1_4-10	1
9	KNS – 00083 – HYDRAULIC CYLINDER SEAL KIT FOR WELDER	1
10	FSP – 00108 – PUSH-IN FITTINGS QS-3_8-10	3
11	FSP – 00060 – PUSH-IN FITTINGS QS-3_8-12	2
12	GSP – 00834 – O-RING 19x2	1



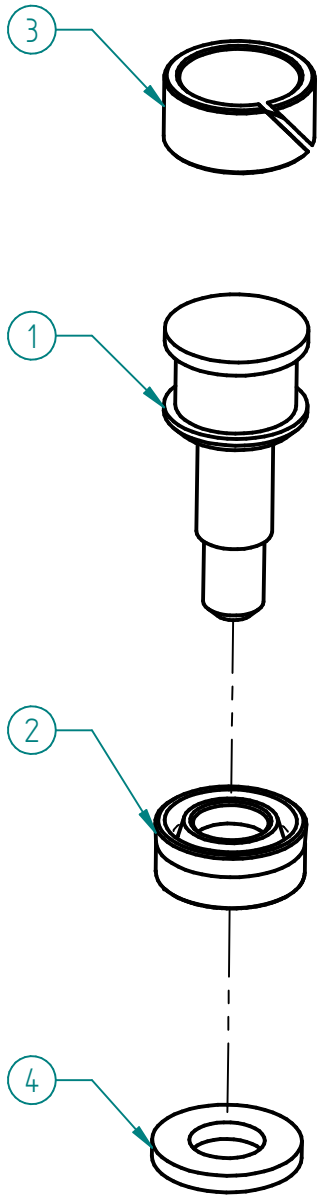
Item Number	File Name (no extension)	Quantity
	KNS – 00571 – Q 140 AIR PISTON GROUP	
1	KNS – 00565 – Q 140 AIR PISTON TOP COVER	1
2	KNS – 00566 – Q 140 AIR PISTON PIPE	1
3	KNS – 00567 – Q 140 AIR PISTON BOTTOM COVER	1
4	KNS – 00564 – M14 STUD HEXAGON BOLT FOR Q140 AIR PISTON	4
5	KNS – 00121 – Q12_5-45-5 WASHER	1
6	GSP – 00260 – M12 NUT	1
7	GSP – 00552 – O-RING 130X3	2
8	GSP – 00540 – KASTAS-K25-140x20x30 PNEUMATIC SEAL	1
9	KNS – 00568 – Q 125_140 AIR PISTON SEAL BUSHING	1
10	KNS – 00289 – WELDER AIR PISTON SHAFT	1





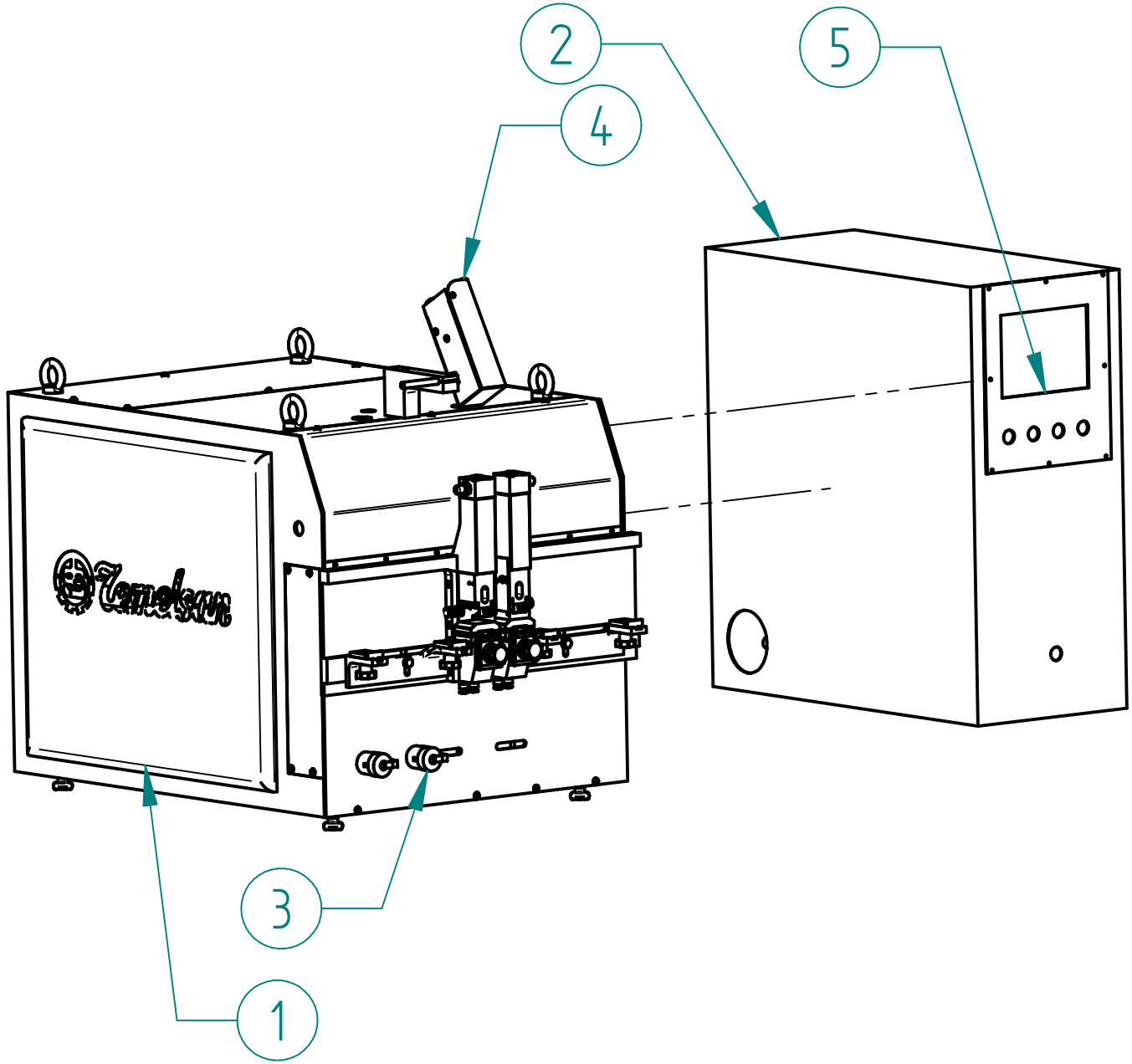
Item	File Name (no extension)	Quantity
1	KNS – 00083 – HYDRAULIC CYLINDER SEAL KIT FOR WELDER	1

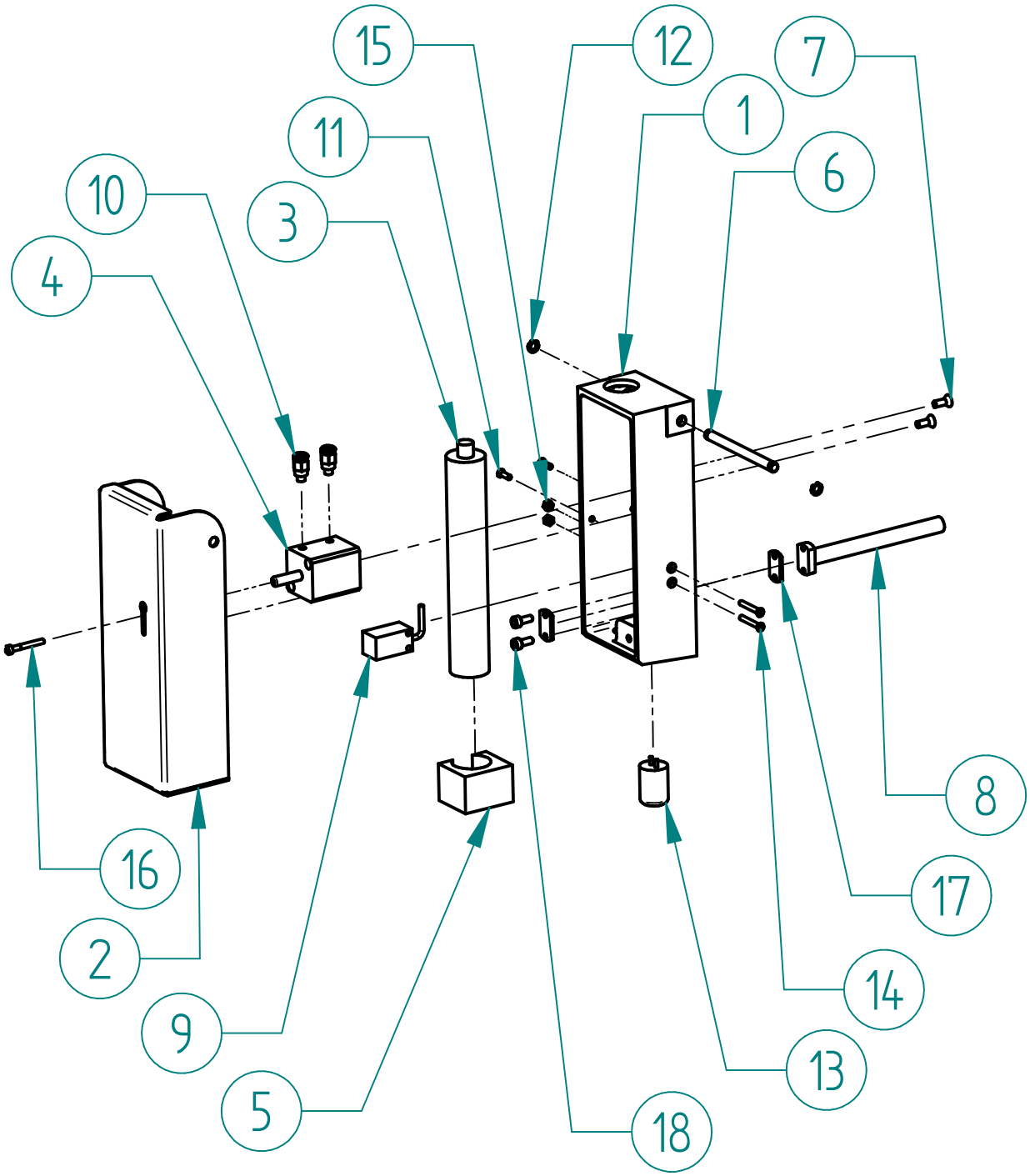
Item Number	File Name (no extension)	Quantity
	KNS – 00083 – HYDRAULIC CYLINDER SEAL KIT FOR WELDER	
1	KNS – 00288 – BOOSTER SEAL SHAFT	1
2	GSP – 00507 – KASTAS-K21-10X20X8 – HYDRAULIC SEAL FOR BOOSTER	1
3	GSP – 00522 – KASTAS-K69-020-16X20X9-4 HYDRAULIC PISTON GUIDE RING	1
4	KNS – 00287 – BOOSTER FOLLOW RING	1



AUTOMATIC ANNEALING GROUP

Item	File Name (no extension)	Quantity
	KN 41 HBS TOUCH	
1	HBS-BC-LEFT SIDE DOOR	1
2	HBS-BC-ELECTRIC CABINET 1	1
3	FSP - 00023 - PRESSURE REGULATOR MS4-LR-1_4-D7-AS	2
4	HBA_C_S - PACS - PYROMETER ANNEALING CONTROL SYSTEM	1
5	GSP - 00602 - HBS - OMRON HMI CONTROL LABEL PLATE	1

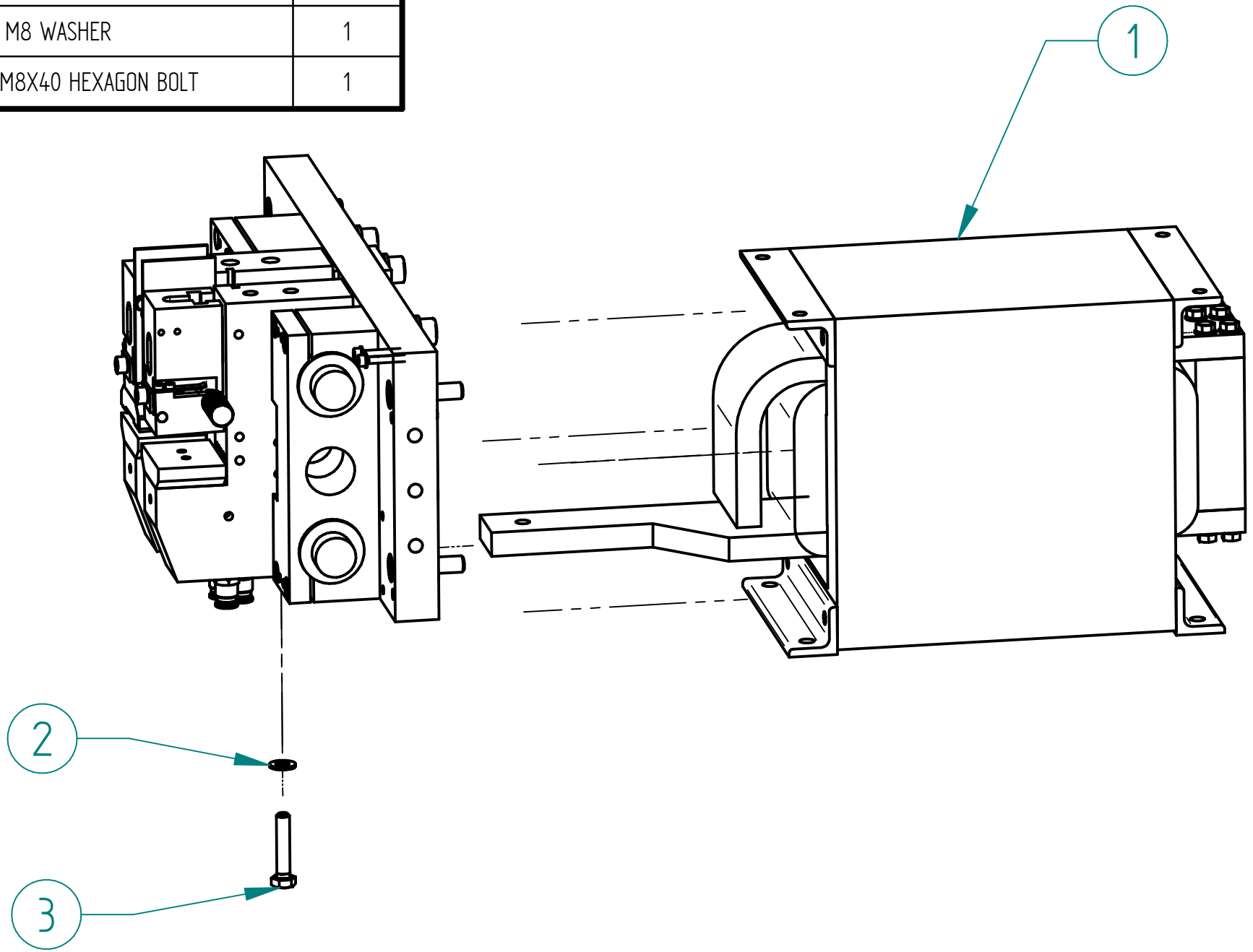




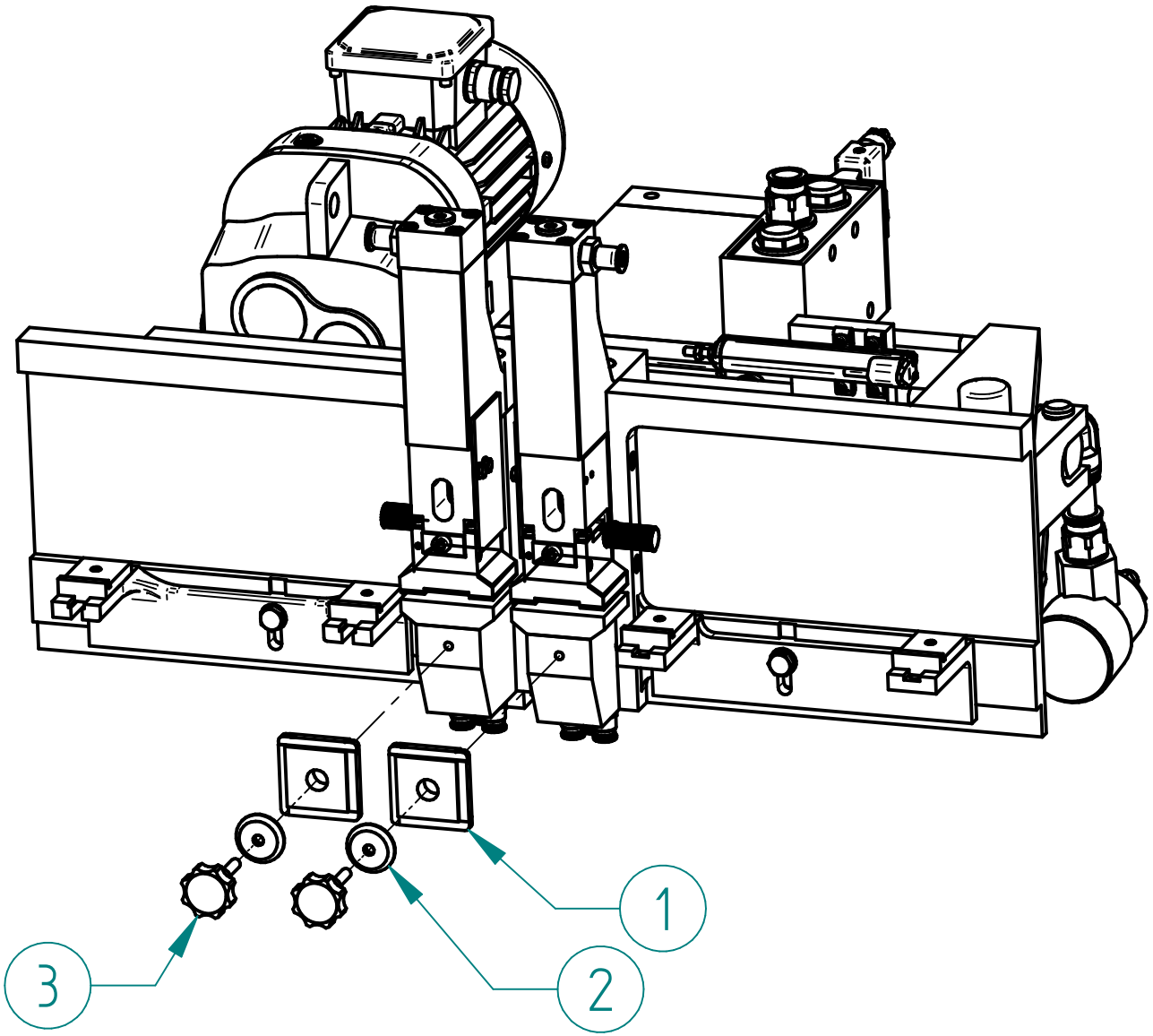
Item	File Name (no extension)	Quantity
	HBA_C_S – PACS – PYROMETER ANNEALING CONTROL SYSTEM	
1	KNS – 00295 – PYROMETER CASE	1
2	KNS – 00296 – PYROMETER PROTECTION COVER	1
3	KNS – 00297 – PYROMETER IGA 310	1
4	FSP – 00096 – TEKMAKSAN COMPACT CYLINDER ADN 16X15	1
5	KNS – 00298 – PYROMETER DEVICE MOUNTING BLOCK	1
6	KNS – 00299 – PYROMETER COVER PIN	1
7	GSP – 00411 – M4X10 HEX SOCKET COUNTERSUNK HEAD BOLT	2
8	KNS – 00300 – PYROMETER CASE MOUNTING SHAFT	1
9	GSP – 00438 – INDUCTIVE SENSOR LE17TSN08□PO	1
10	FSP – 00050 – PUSH –IN FITTINGS QSM–M5–4	2
11	GSP – 00422 – M3X10 PHILIP FLAT HEAD SCREW	2
12	GSP – 00394 – SNAP RING 5X1	2
13	GSP – 00437 – 12V LED LAMP	1
14	GSP – 00423 – M3X20 PHILIP FLAT HEAD SCREW	2
15	GSP – 00254 – M3 NUT	2
16	GSP – 00004 – M3X25 IMBUS BOLT	1
17	KNS – 00301 – PYROMETER CASE INSULATION FIBER	2
18	GSP – 00006 – M4X10 IMBUS BOLT	2

TRANSFORMER GROUP

Item Number	File Name (no extension)	Quantity
1	GSP – 00599 – 4_5 KW TRANSFORMER	1
2	GSP – 00275 – M8 WASHER	1
3	GSP – 00143 – M8X40 HEXAGON BOLT	1

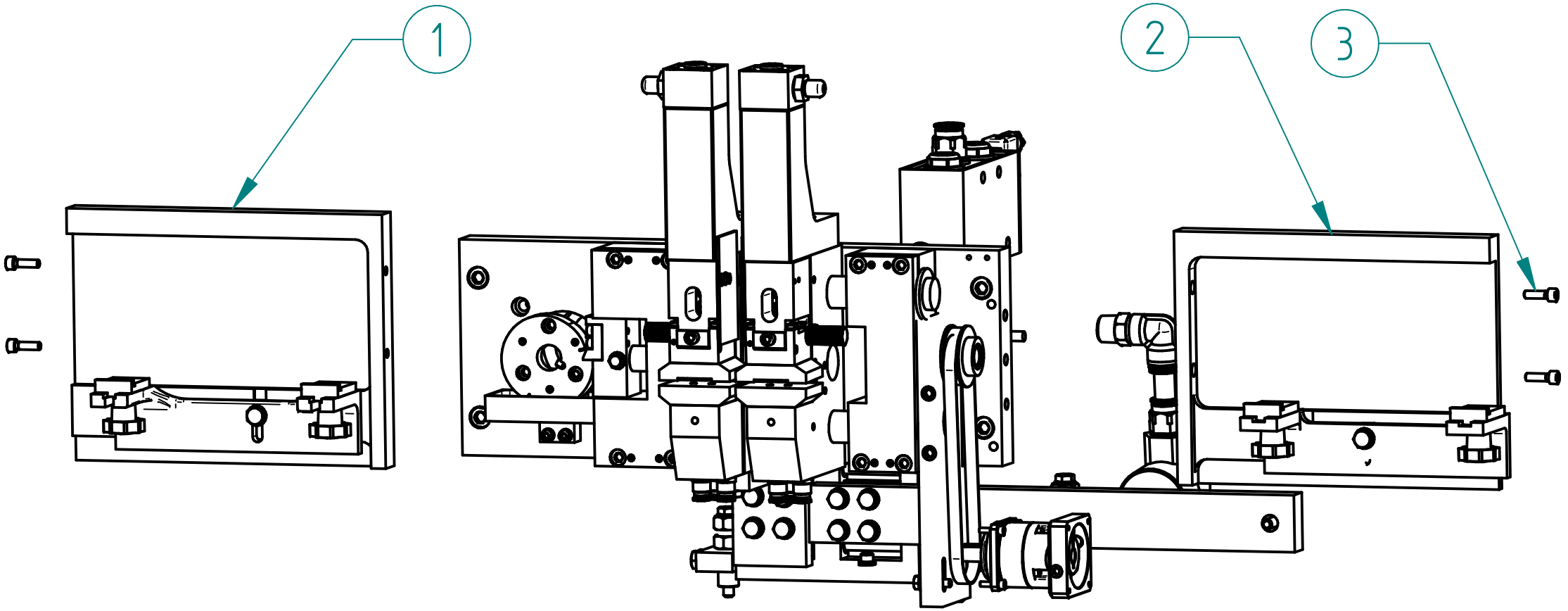


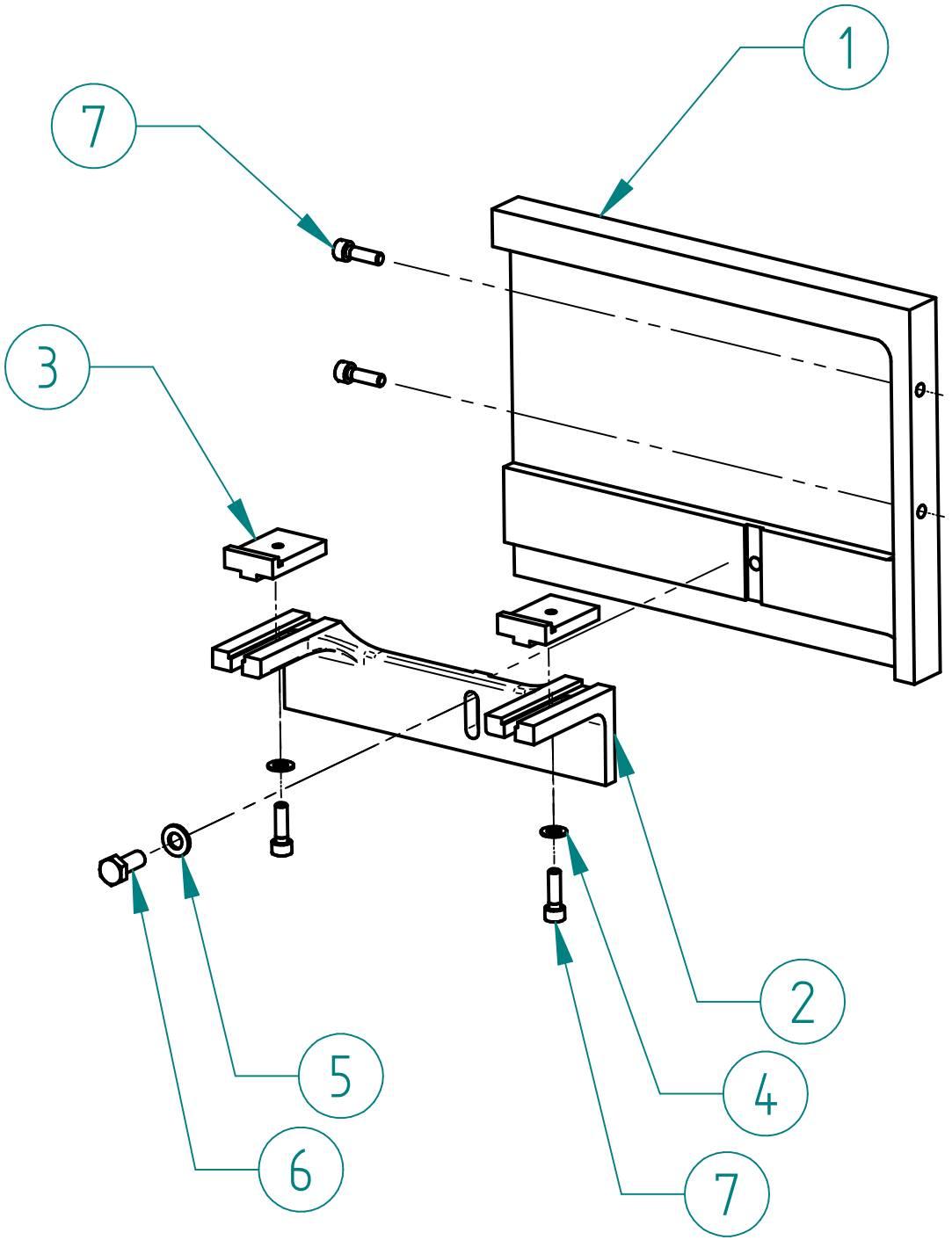
STOPPER SYSTEM GROUP



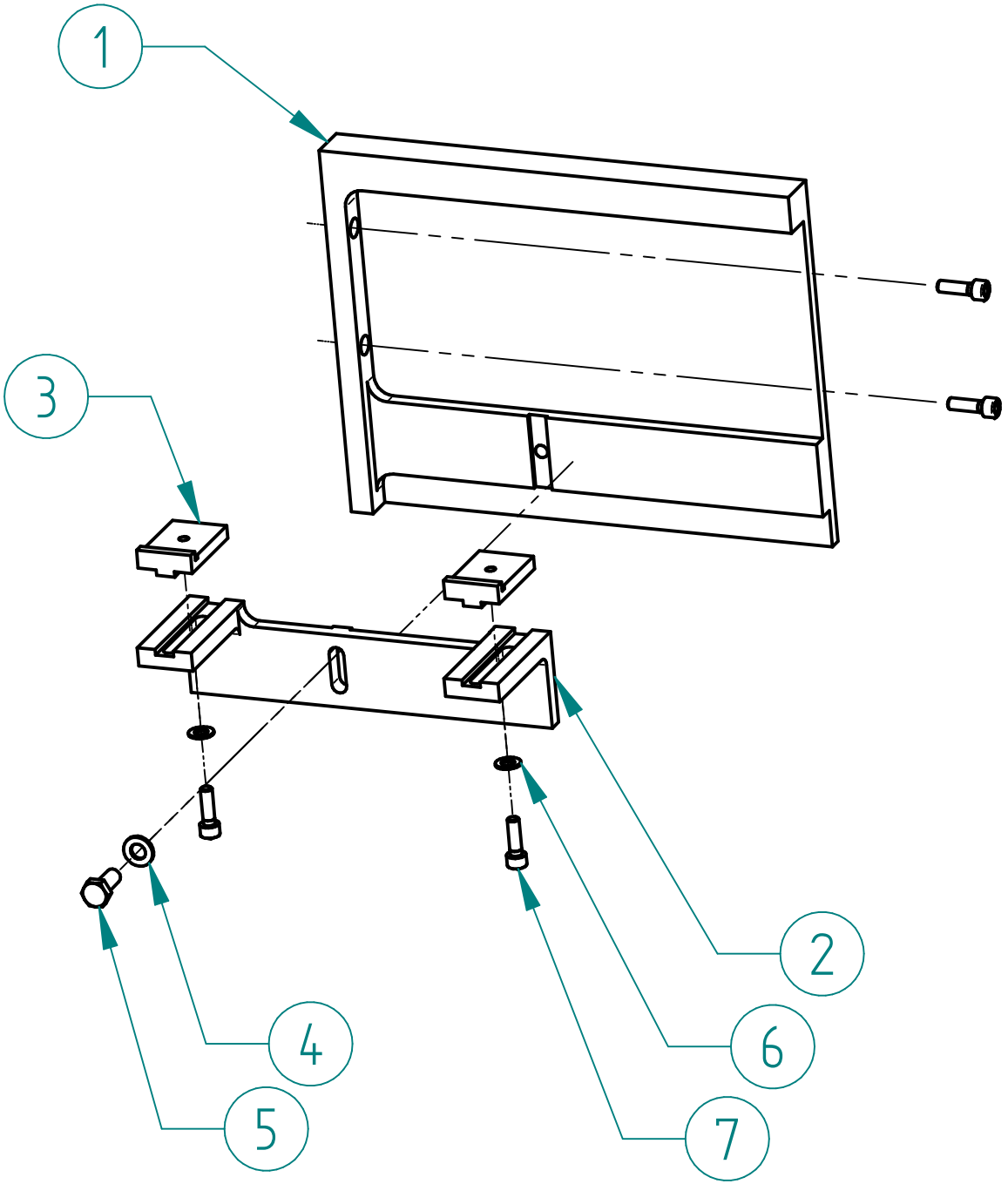
Item	File Name (no extension)	Quantity
1	KNS – 00215 – KN 41 HBC_S CENTER STEEL STOPPER SET TWO SIDES SHOULDERED	2
2	KNS – 00368 – M6-30-5 WASHER	2
3	GSP – 00851 – M6x30mm MALE STAR KNOB	2

Item Number	File Name (no extension)	Quantity
1	KNS – 00544 – KN 41 HBC_S STND FRONT LEFT SIDE COVER	1
2	KNS – 00543 – KN 41 HBC_S STND FRONT RIGHT SIDE COVER	1
3	GSP – 00023 – M6x20 IMBUS BOLT	4

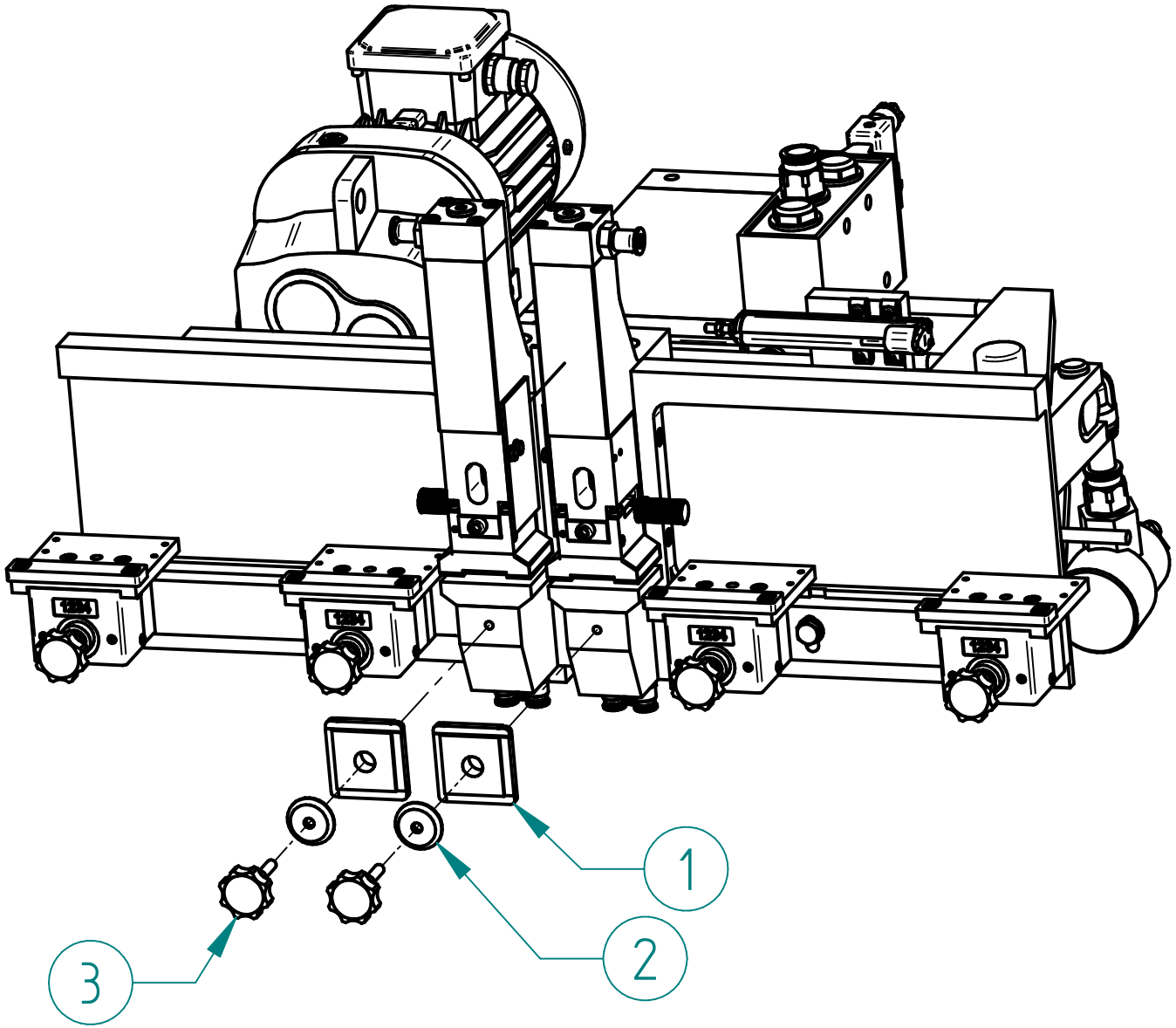




Item Number	File Name (no extension)	Quantity
1	KNS – 00544 – KN 41 HBC_S STND FRONT LEFT SIDE COVER	1
2	KNS – 00546 – KN 41 HBC_S STND STEEL STOPPER MOUNTING L CAST LEFT	1
3	KNS – 00066 – KN 41_54 HBC_S OUTSIDE STEEL STOPPER SET SHORT	2
4	GSP – 00274 – M6 WASHER	2
5	GSP – 00275 – M8 WASHER	1
6	GSP – 00154 – M8x20 HEXAGON BOLT	1
7	GSP – 00023 – M6x20 IMBUS BOLT	4

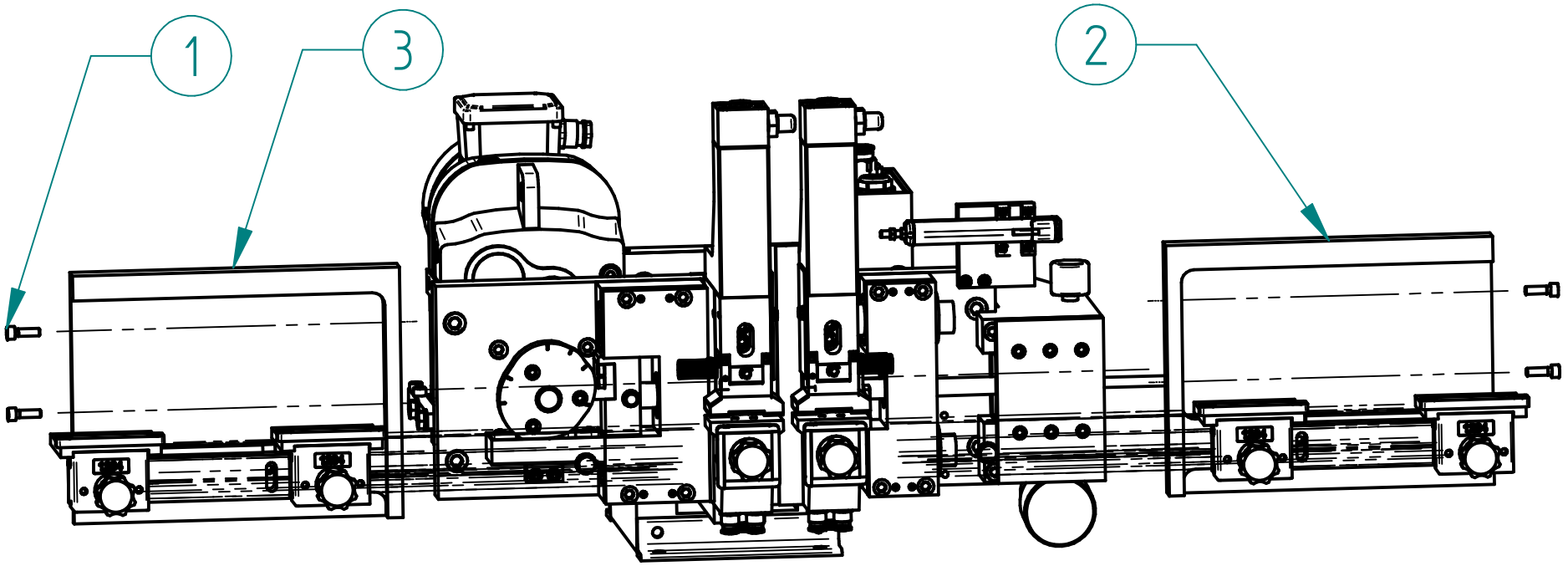


Item Number	File Name (no extension)	Quantity
1	KNS – 00543 – KN 41 HBC_S STND FRONT RIGHT SIDE COVER	1
2	KNS – 00547 – KN 41 HBC_S STND STEEL STOPPER MOUNTING L CAST RIGHT	1
3	KNS – 00066 – KN 41_54 HBC_S OUTSIDE STEEL STOPPER SET SHORT	2
4	GSP – 00275 – M8 WASHER	1
5	GSP – 00154 – M8x20 HEXAGON BOLT	1
6	GSP – 00274 – M6 WASHER	2
7	GSP – 00023 – M6x20 IMBUS BOLT	4

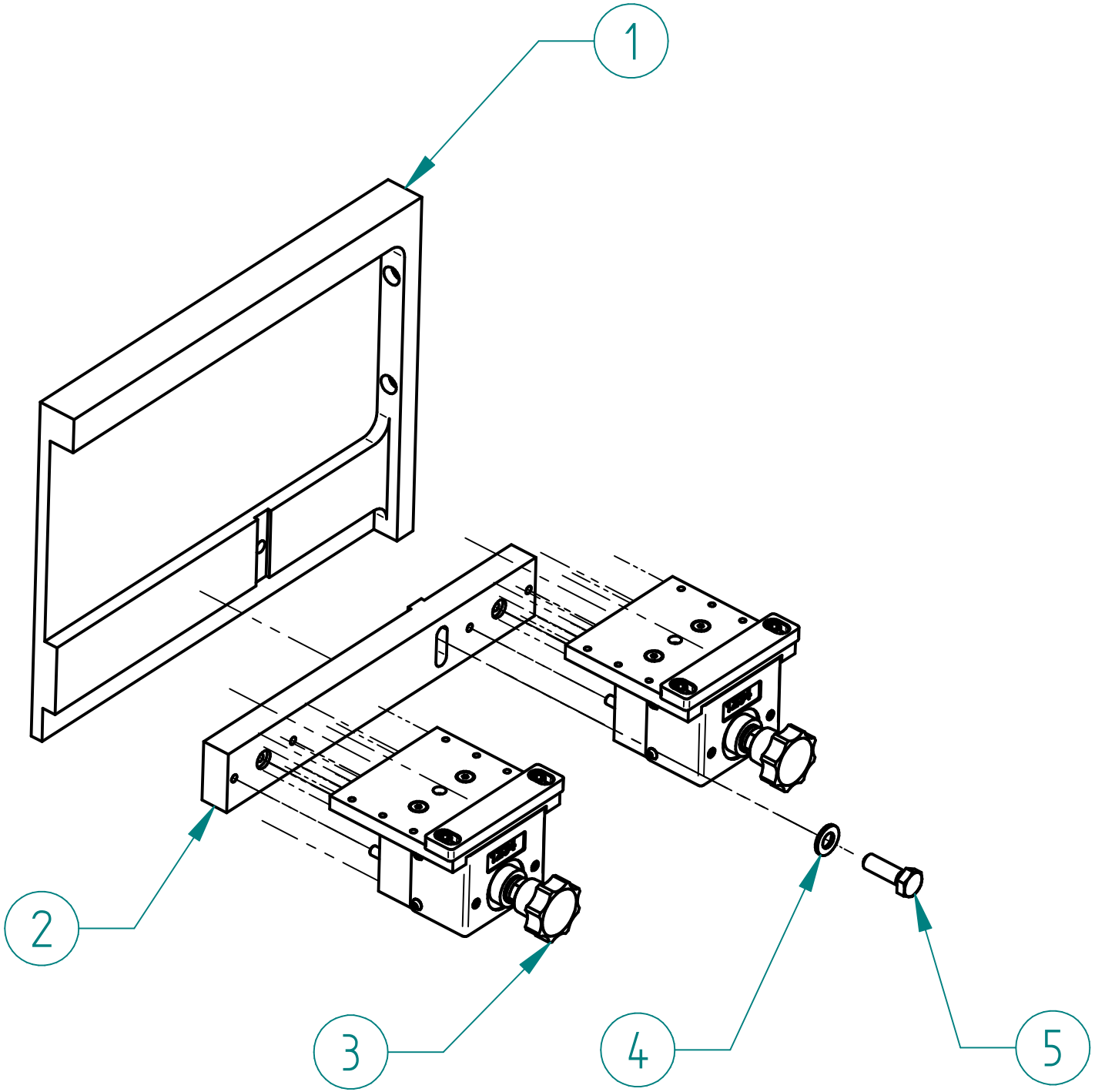


Item	File Name (no extension)	Quantity
1	KNS – 00215 – KN 41 HBC_S CENTER STEEL STOPPER SET TWO SIDES SHOULDERED	2
2	KNS – 00368 – M6-30-5 WASHER	2
3	GSP – 00851 – M6x30mm MALE STAR KNOB	2

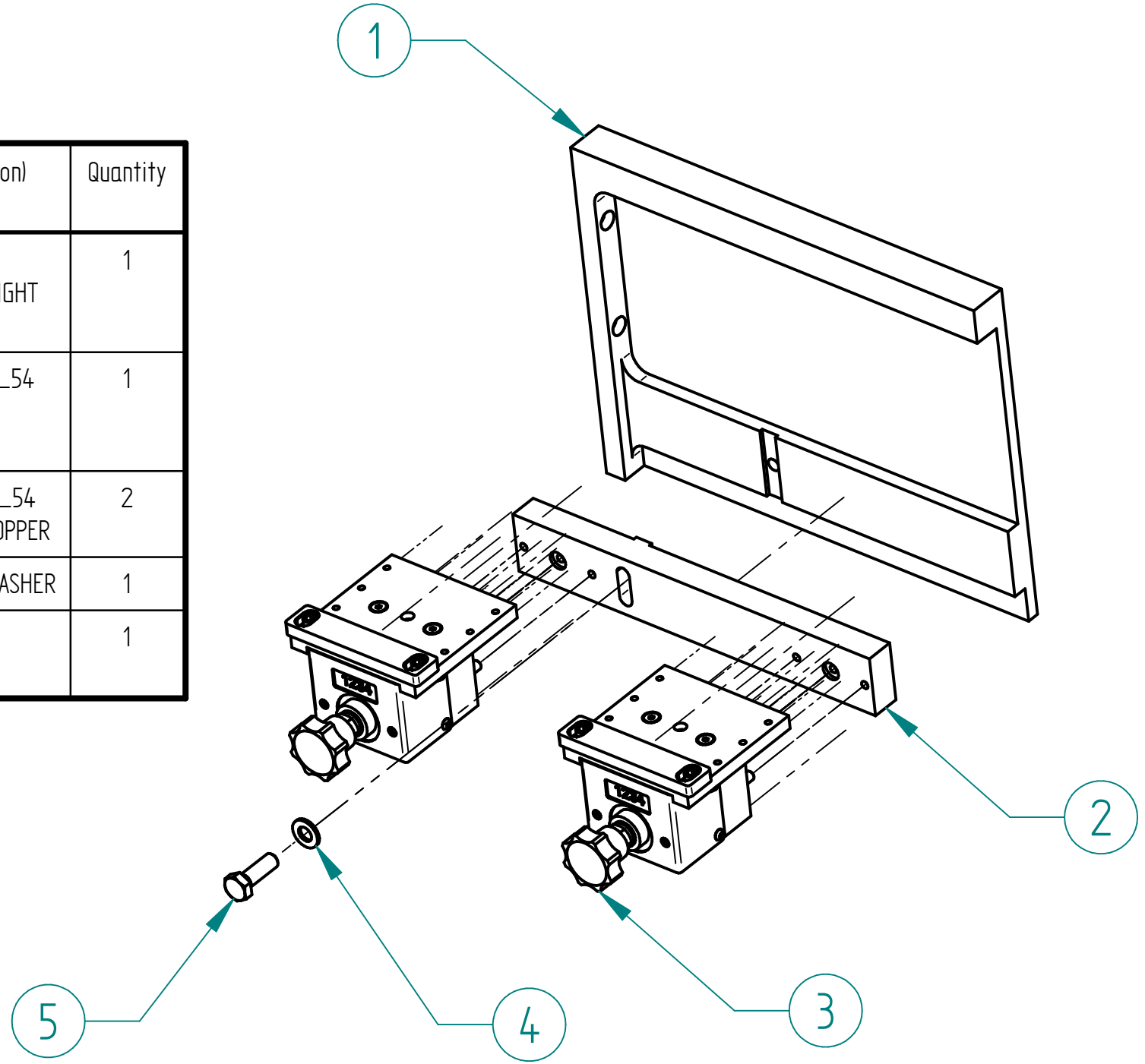
Item Number	File Name (no extension)	Quantity
1	GSP – 00023 – M6x20 IMBUS BOLT	4
2	KNS – 00543 – KN 41 HBC_S STND FRONT RIGHT SIDE COVER	1
3	KNS – 00544 – KN 41 HBC_S STND FRONT LEFT SIDE COVER	1

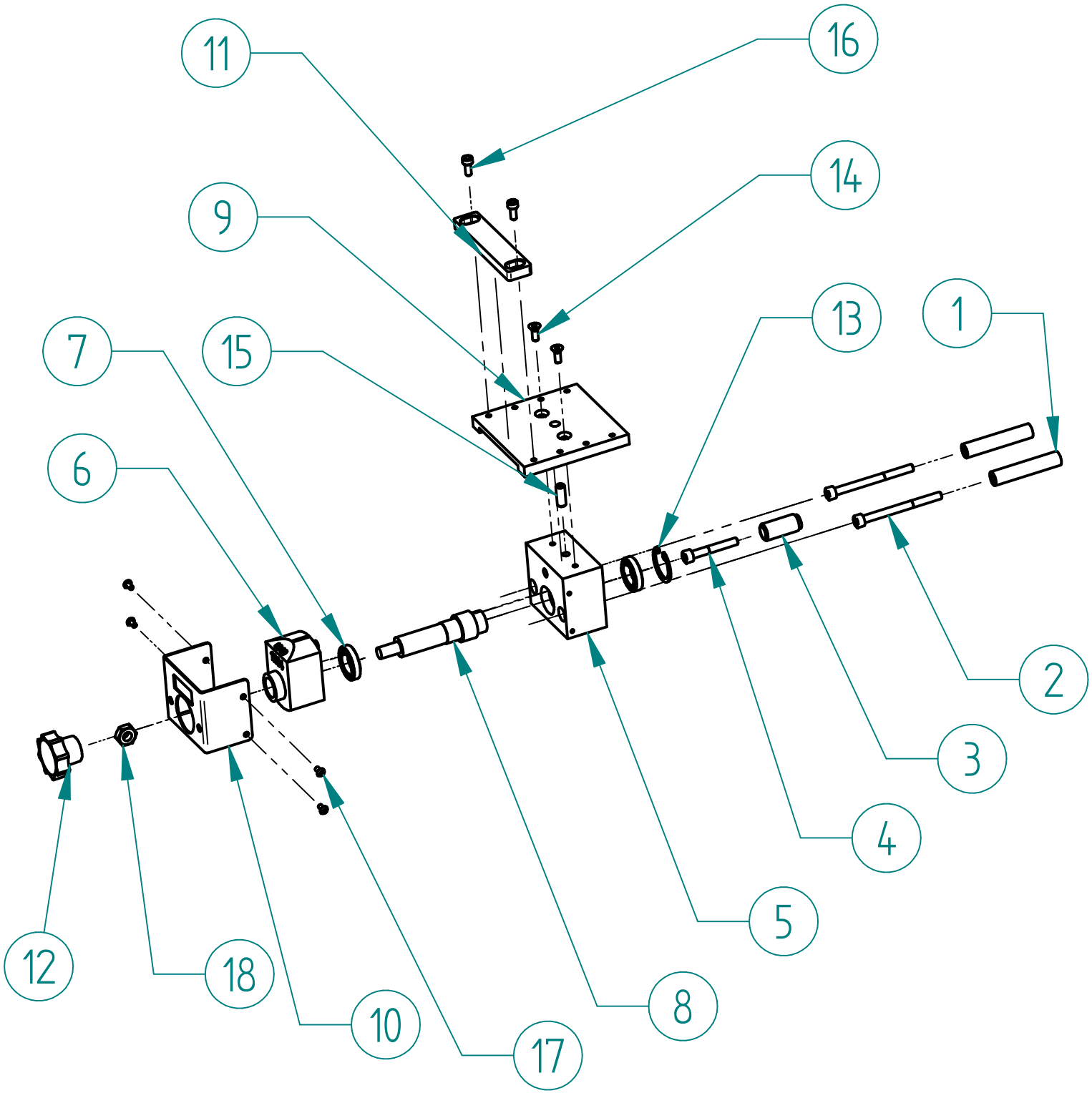


Item Number	File Name (no extension)	Quantity
1	KNS – 00544 – KN 41 HBC_S STND FRONT LEFT SIDE COVER	1
2	KNS – 00324 – KN 41_54 HBC – 41 HBS NSS ASSEMBLY LIM	1
3	KNS – 00060 – KN 41_54 HBS_C NUMERICAL STOPPER	2
4	GSP – 00275 – M8 WASHER	1
5	GSP – 00155 – M8x25 HEXAGONAL BOLT	1

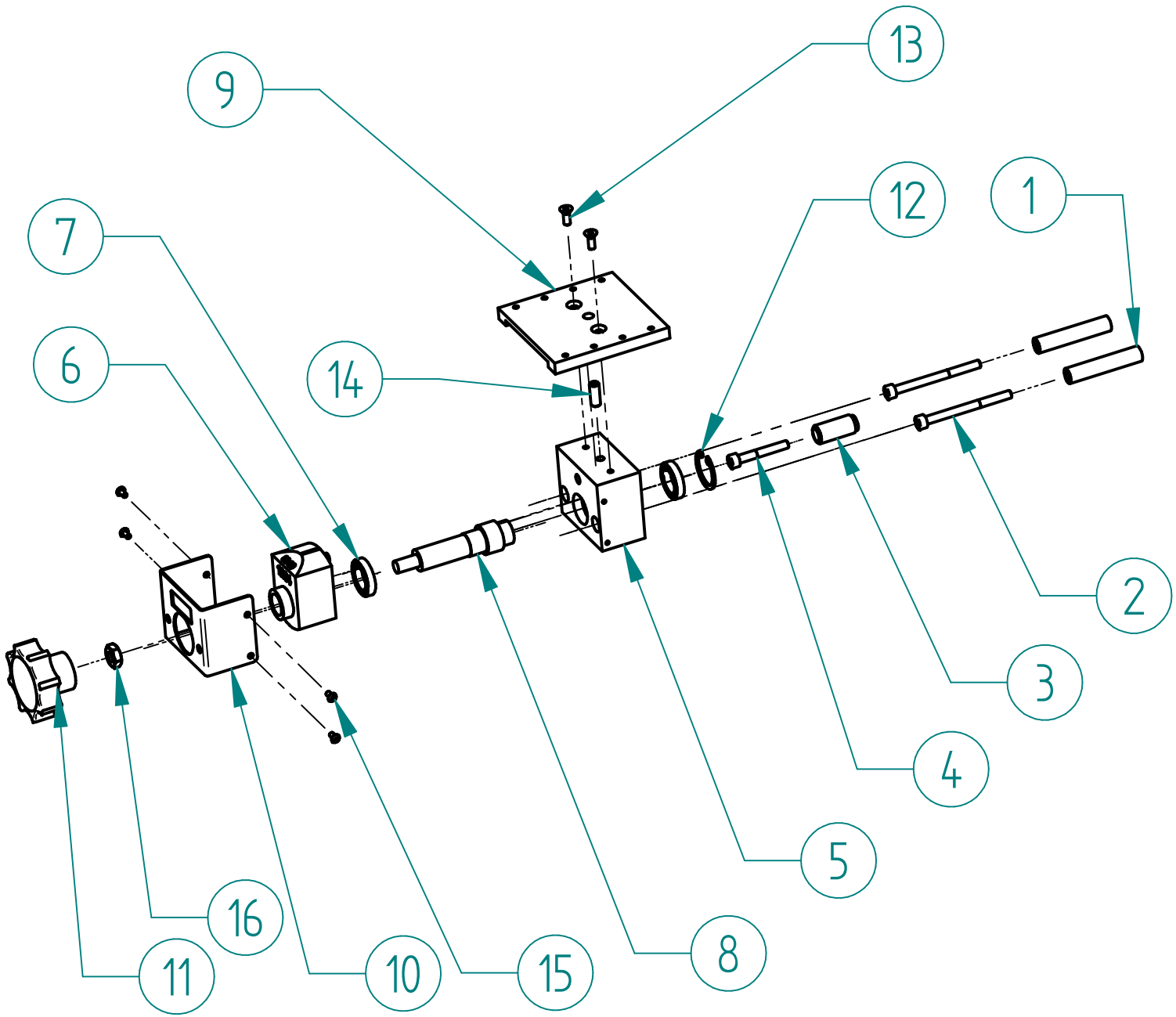


Item Number	File Name (no extension)	Quantity
1	KNS – 00543 – KN 41 HBC_S STND FRONT RIGHT SIDE COVER	1
2	KNS – 00324 – KN 41_54 HBC – 41 HBS NSS ASSEMBLY LIM	1
3	KNS – 00060 – KN 41_54 HBS_C NUMERICAL STOPPER	2
4	GSP – 00275 – M8 WASHER	1
5	GSP – 00155 – M8x25 HEXAGONAL BOLT	1



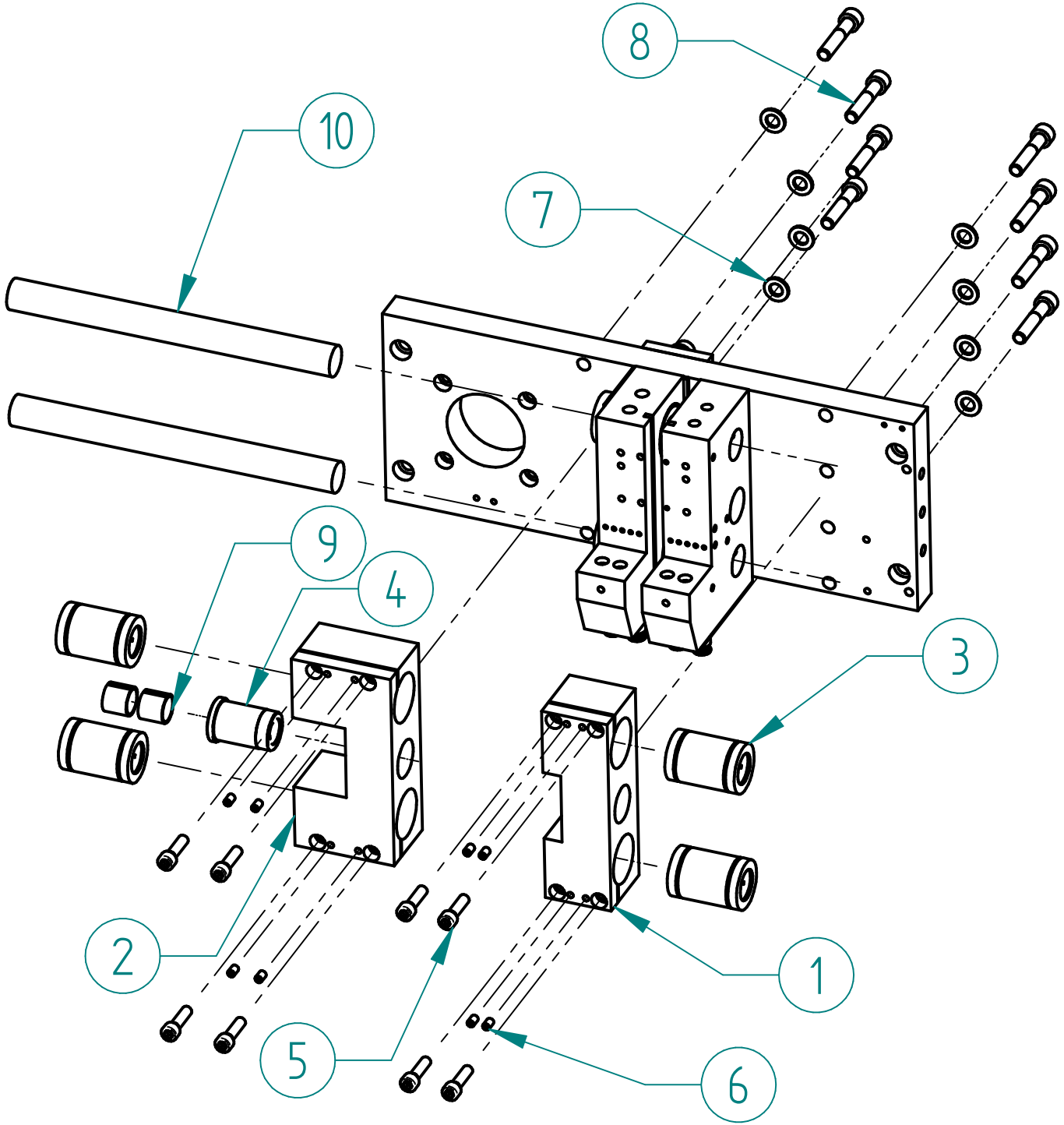


Item	File Name (no extension)	Quantity
	KNS – 00060 – KN 41_54 HBS_C NUMERICAL STOPPER	
1	KNS – 00333 – CENTER PIN FOR NUMERICAL STOPPERS	2
2	GSP – 00020 – M5x60 IMBUS BOLT	2
3	KNS – 00329 – KN 54 HBC NSS M12 SCREW	1
4	GSP – 00018 – M5x35 IMBUS BOLT	1
5	KNS – 00327 – KN 54 HBC NSS NUMERICAL STOPPER BLOCK	1
6	GSP – 00566 – NUMERATOR	1
7	GSP – 00450 – 61802 SKF BEARING – NUMERICAL STOPPER BEARING	2
8	KNS – 00330 – KN 54 HBC NSS SHAFT	1
9	KNS – 00325 – KN 54 HBC NSS NUMERATOR UPPER LIM	1
10	KNS – 00326 – KN 54 HBC NSS NUMERICAL STOPPER PROTECTION	1
11	KNS – 00328 – KN 54 HBC NSS NUMERICAL STOPPER LIM	1
12	GSP – 00565 – M8X32 STAR KNOB	1
13	GSP – 00397 – SNAP RING 24X1_2	1
14	GSP – 00411 – M4X10 HEX SOCKET COUNTERSUNK HEAD BOLT	2
15	GSP – 00300 – M6x16 SETSCREW	1
16	GSP – 00006 – M4X10 IMBUS BOLT	2
17	GSP – 00212 – M3x6 LENTIL HEAD BOLT	4
18	GSP – 00258 – M8 NUT	1

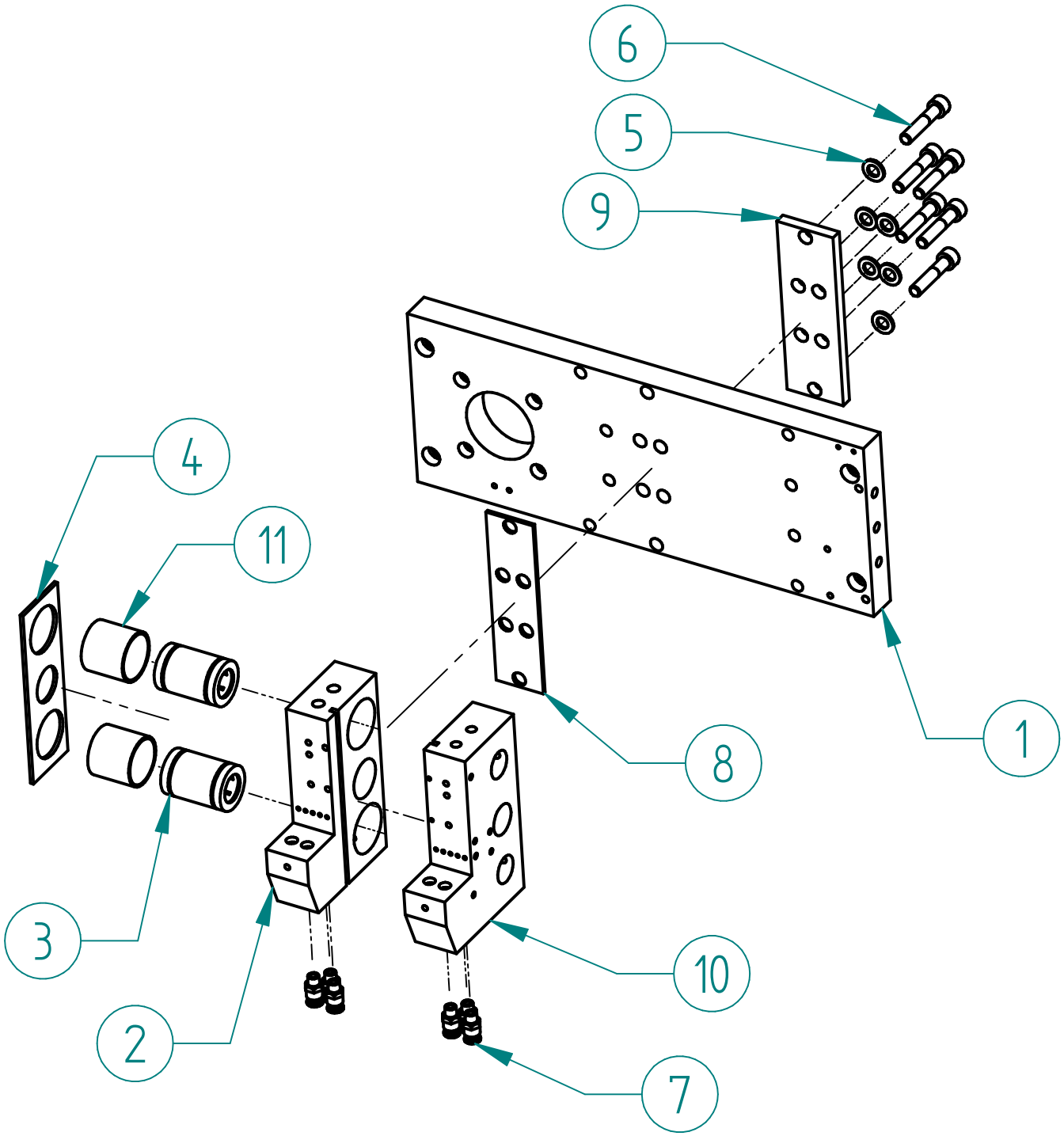


Item	File Name (no extension)	Quantity
	KNS – 00060 – KN 41_54 HBS_C NUMERICAL STOPPER	
1	KNS – 00333 – CENTER PIN FOR NUMERICAL STOPPERS	2
2	GSP – 00020 – M5x60 IMBUS BOLT	2
3	KNS – 00329 – KN 41_54 HBC – 41 HBS NSS M12 SCREW	1
4	GSP – 00018 – M5x35 IMBUS BOLT	1
5	KNS – 00327 – KN 41_54 HBC – 41 HBS NSS NUMERICAL STOPPER BLOCK	1
6	GSP – 00566 – NUMERATOR FOR NUMERICAL STOPPER SYSTEM UNITS	1
7	GSP – 00450 – 61802 SKF BEARING – NUMERICAL STOPPER BEARING	2
8	KNS – 00330 – KN 41_54 HBC – 41 HBS NSS SHAFT	1
9	KNS – 00325 – KN 41_54 HBC – 41 HBS NSS NUMERATOR STOPPER LIM MOUNTING PART	1
10	KNS – 00326 – KN 41_54 HBC – 41 HBS NSS NUMERICAL STOPPER PROTECTION	1
11	GSP – 00717 – M8 Q50 FEMALE STAR KNOB	1
12	GSP – 00397 – SNAP RING 24X1_2	1
13	GSP – 00411 – M4X10 HEX SOCKET COUNTERSUNK HEAD BOLT	2
14	GSP – 00300 – M6x16 SETSCREW	1
15	GSP – 00212 – M3x6 LENTIL HEAD BOLT	4
16	GSP – 00258 – M8 NUT	1

MAIN PLATE GROUP



Item	File Name (no extension)	Quantity
	KN 41 HBS MAIN PLATE ASSEMBLY	
1	KNS – 00271 – KN 41_54 HBC – 41 HBS RIGHT SIDE BEARING HOUSING	1
2	KNS – 00561 – KN 41_54 HBC – 41 HBS LEFT SIDE BEARING HOUSING	1
3	GSP – 00446 – KB 25-PP SKF – KN 41 HBS – KN 41_54 HBC PLATE BEARING	6
4	KNS – 00274 – SPINDLE BUSHING	1
5	GSP – 00034 – M8X30 IMBUS BOLT	8
6	GSP – 00299 – M6X10 SETSCREW	8
7	GSP – 00276 – M10 WASHER	9
8	GSP – 00049 – M10X50 IMBUS BOLT	9
9	GSP – 00981 – PAP 2020 BUSH	2
10	KNS – 00558 – KN 41 HBC_S PLATE MAIN SHAFT	2



Item	File Name (no extension)	Quantity
	KN 41 HBS MAIN PLATE ASSEMBLY	
1	KNS – 00560 – KN 41 HBC_S MAIN PLATE	1
2	KNS – 00559 – KN 41 HBC_S STND LEFT SIDE MAIN BLOCK	1
3	GSP – 00446 – KB 25-PP SKF – KN 41 HBS – KN 41_54 HBC PLATE BEARING	2
4	KNS – 00275 – KN 41_54 HBC – 41 HBS LEFT SIDE MAIN FIBER	1
5	GSP – 00276 – M10 WASHER	6
6	GSP – 00049 – M10X50 IMBUS BOLT	6
7	FSP – 00054 – FESTO PUSH-IN FITTINGS QS-1_8-8	6
8	KNS – 00573 – KN 41 HBC_S MAIN PLATE FRONT SIDE FIBER	1
9	KNS – 00572 – KN 41 HBC_S MAIN PLATE BACK SIDE FIBER	1
10	KNS – 00557 – KN 41 HBC_S STND RIGHT SIDE MAIN BLOCK	1
11	KNS – 00132 – KN 41 HBS_C MAIN PLATE SHAFT INSULATION PART	2