



Spare Parts Catalogue:

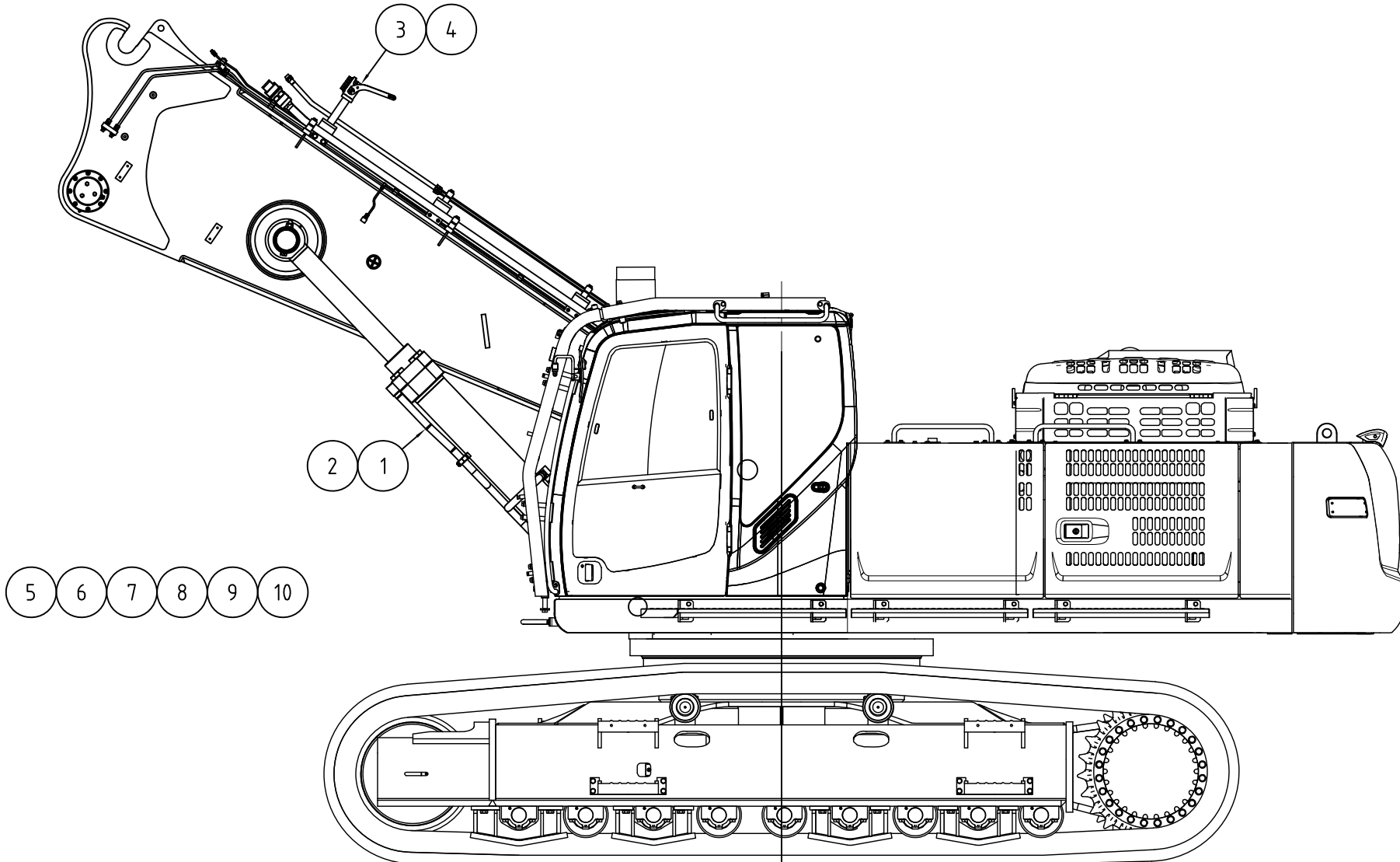
(Manufactured by Kocurek Excavators Ltd.)

Machine Designation/Type:	Kobelco SK520LC-11 with Demo Spec
Documentation Part No.:	21071765
Documentation Issue No.:	Issue 1
Documentation Issue Date:	27/03/25

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A	ITEM	PART No		DESCRIPTION		QTY																			
	1	21071745		CYLINDER DRESSED ASSY RHS		1																			
	2	21071746		CYLINDER DRESSED ASSY LHS		1																			
	3	21071741		BASE BOOM ASSY		1																			
	4	21061496		EQUIPMENT ACCESS ASSY		1																			
B	5	21071761		SCHEMATIC - ELECTRIC		1																			
	6	21071762		SCHEMATIC - HYDRAULIC		1																			
	7	21071763		DATASHEET - LOADING		1																			
	8	21071764		OPERATORS MANUAL		1																			
	9	21071765		SPARES CATALOGUE		1																			
	10	21071766		TECHNICAL DOCUMENTATION		1																			
C	NOTES: 1. SUITABLE FOR USE ON KOBELCO SK520 2. SEE WORKS ORDER FOR SPECIAL INSTRUCTIONS, PAINT COLOUR(S) AND OEM/CUSTOMER SUPPLIED PARTS. 3. BASE MACHINE AND IMAGE FOR REFERENCE ONLY, PARTS FITTED OR SUPPLIED MAY NOT BE VISUALLY CORRECT, 4. BASE MACHINE NOT INCOMING, SUPPLY IS BASE BOOM & CYLINDERS ONLY. CUSTOMER SUPPLIED PARTS INCLUDE: - BASE MACHINE - TILTING CAB AND GUARD MODIFICATION - AUXILIARY COUNTERWEIGHT MODIFICATION																								
D	<table><tr><td>1</td><td>25/09/24</td><td>-</td><td>JRS</td><td>AJF</td></tr><tr><td>ISSUE</td><td>DATE</td><td>MOD</td><td>DRAWN</td><td>APP</td></tr></table>															1	25/09/24	-	JRS	AJF	ISSUE	DATE	MOD	DRAWN	APP
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21071765 - Partial Spare Components List for; Kobelco SK520 with Demo Spec

See Appendix at end of this list for drawing to accompany assemblies marked in bold. Document order is as found on list. Multiple instances of common drawings may not be included. Not all parts shown on drawings are spares supported items. Parts represented as individual part numbers on a drawing may be supplied in the form of a kit where deemed appropriate. Kocurek reserve the right to substitute any parts or assemblies shown for suitable equivalents without prior notice. "Level Ref" refers to position of assembly or item in structured product assembly - ie a level 3 (>>>3) item is a sub-part or sub-assembly of a level 2 (>>2) sub-assembly.

Level Ref.:	Part No.:	Qty.:	Description:
0	21071734	1	GA - DEMO SPEC. - KOBELCO SK520
>1	21071745	1	CYLINDER ASSY DRESSED RHS - 190 B 130 R 2230 C 1580 S 3810 O
>>2	07051606	2	BOLT - M16 X 45 HEX HD 8.8 BZP TO DIN 931
>>2	07331403	4	BOLT - M14 X 30 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331407	12	BOLT - M14 X 50 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331408	4	BOLT - M14 X 55 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331414	4	BOLT - M14 X 90 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331612	1	BOLT - M16 X 75 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07451620	2	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>2	33005144	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE 90 DEG
>>2	33005145	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE 90 DEG
>>2	66030722	2	ALLY PIPE CLAMP DOUBLE - 1 1/4" 1 1/4" (SINGLE BOLT)
>>2	71300006	5	SEAL - SAE FLANGE - 1 1/4"
>>2	71410044	1	CYLINDER ASSY - 130 R 190 B 2230 C 1580 S 3810 O
>>>3	07302013	12	BOLT - M20 X 80 CAP HD SKT SC 12.9 TO DIN 912
>>>3	07452019	12	WASHER - M20 PLAIN HARDENED - DIN 6916 SC
>>>3	71300074	2	DUST SEAL - 120 I/D 140 O/D 10 THK
>>>3	71400008	4	BEARING STRIP (ROD) - 130 I/D 15 WIDE 2.5 THK
>>>3	71400048	2	ROD SEAL - 130 x 145.5 x 6.3mm - (ISO 7425-2) 600 bar
>>>3	71400068	1	WIPER SEAL (ROD) - 130 x 145 x 10.2mm
>>>3	71400120	2	O RING - 179.3 I/D x 5.7 DIA - BS 4518-1793-57 - NBR 70 .
>>>3	71400123	1	O RING - 119.3 I/D 5.7 DIA - BS 4518-1193-57 - NBR 70
>>>3	71400124	2	BACKUP RING - 120 I/D x 130 O/D x 1.6-1.8 THK - BS 1193-57/E (SUITS O-RING 71400123)
>>>3	71400131	3	BACKUP RING - 180 I/D x 190 O/D x 1.6-1.8 THK - BS 1793-57/E (SUITS O-RING 71400120) .
>>>3	71400144	1	PISTON SEAL - 190 BORE x 8.1mm - DOUBLE ACTING (ISO 7425-1) 400 bar .
>>>3	71400199	4	BEARING STRIP (PISTON) - 190 O/D 15 WIDE 2.5 THK
>>>3	71500022	1	LOCK NUT - 190 BORE x 130 ROD (M80 x 2)
>>>3	71500023	1	LOCK NUT WASHER - 190 BORE x 130 ROD
>>>3	71500087	1	PISTON - 190 BORE x 130 ROD
>>>3	71500092	1	CUSHION RING - 180 BORE x 130 ROD
>>>3	71500147	1	GLAND - 190 BORE 130 ROD
>>>3	71510052	1	CYLINDER TUBE W'MENT - 190 B 2002 LG
>>>3	71540043	1	ROD W'MENT - 130 DIA x 2066 LG
>>>3	71990180	2	DUST SEAL - 110 I/D 125 O/D 8 THK
>>>3	97010414	1	BUSH - 120 I/D 140 O/D 120 LG (BRONZE AB2)
>>>3	97010416	1	BUSH - 110 I/D 125 O/D 130 LG (BRONZE AB2)
>>2	86000997	1	PLATE - CLAMP - FOR 220mm O/D - 50 THK
>>2	86000998	1	PLATE - CLAMP - FOR 220mm O/D - 50 THK
>>2	89020143	1	BLANKING PLATE - 1 1/4" 6000 CLEARANCE
>1	21071746	1	CYLINDER ASSY DRESSED LHS - 190 B 130 R 2230 C 1580 S 3810 O
>>2	07051606	2	BOLT - M16 X 45 HEX HD 8.8 BZP TO DIN 931
>>2	07331403	4	BOLT - M14 X 30 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331407	12	BOLT - M14 X 50 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331408	4	BOLT - M14 X 55 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331414	4	BOLT - M14 X 90 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331612	1	BOLT - M16 X 75 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07451620	2	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>2	33005146	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE 90 DEG
>>2	33005147	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE 90 DEG
>>2	66030722	2	ALLY PIPE CLAMP DOUBLE - 1 1/4" 1 1/4" (SINGLE BOLT)
>>2	71300006	5	SEAL - SAE FLANGE - 1 1/4"
>>2	71410044	1	CYLINDER ASSY - 130 R 190 B 2230 C 1580 S 3810 O
>>>3	07302013	12	BOLT - M20 X 80 CAP HD SKT SC 12.9 TO DIN 912
>>>3	07452019	12	WASHER - M20 PLAIN HARDENED - DIN 6916 SC
>>>3	71300074	2	DUST SEAL - 120 I/D 140 O/D 10 THK
>>>3	71400008	4	BEARING STRIP (ROD) - 130 I/D 15 WIDE 2.5 THK
>>>3	71400048	2	ROD SEAL - 130 x 145.5 x 6.3mm - (ISO 7425-2) 600 bar
>>>3	71400068	1	WIPER SEAL (ROD) - 130 x 145 x 10.2mm
>>>3	71400120	2	O RING - 179.3 I/D x 5.7 DIA - BS 4518-1793-57 - NBR 70 .
>>>3	71400123	1	O RING - 119.3 I/D 5.7 DIA - BS 4518-1193-57 - NBR 70
>>>3	71400124	2	BACKUP RING - 120 I/D x 130 O/D x 1.6-1.8 THK - BS 1193-57/E (SUITS O-RING 71400123)
>>>3	71400131	3	BACKUP RING - 180 I/D x 190 O/D x 1.6-1.8 THK - BS 1793-57/E (SUITS O-RING 71400120) .
>>>3	71400144	1	PISTON SEAL - 190 BORE x 8.1mm - DOUBLE ACTING (ISO 7425-1) 400 bar .
>>>3	71400199	4	BEARING STRIP (PISTON) - 190 O/D 15 WIDE 2.5 THK
>>>3	71500022	1	LOCK NUT - 190 BORE x 130 ROD (M80 x 2)
>>>3	71500023	1	LOCK NUT WASHER - 190 BORE x 130 ROD
>>>3	71500087	1	PISTON - 190 BORE x 130 ROD
>>>3	71500092	1	CUSHION RING - 180 BORE x 130 ROD
>>>3	71500147	1	GLAND - 190 BORE 130 ROD

Remember; always quote your "SM" reference number
when ordering spare parts!

>>>3	71510052	1	CYLINDER TUBE W'MENT - 190 B 2002 LG
>>>3	71540043	1	ROD W'MENT - 130 DIA x 2066 LG
>>>3	71990180	2	DUST SEAL - 110 I/D 125 O/D 8 THK
>>>3	97010414	1	BUSH - 120 I/D 140 O/D 120 LG (BRONZE AB2)
>>>3	97010416	1	BUSH - 110 I/D 125 O/D 130 LG (BRONZE AB2)
>>2	86000997	1	PLATE - CLAMP - FOR 220mm O/D - 50 THK
>>2	86000998	1	PLATE - CLAMP - FOR 220mm O/D - 50 THK
>>2	89020143	1	BLANKING PLATE - 1 1/4" 6000 CLEARANCE
>1	21071741	1	BASE BOOM ASSY - KOBELCO SK520
>>2	07050603	15	BOLT - M6 X 30 HEX HD 8.8 BZP TO DIN 931
>>2	07050608	3	BOLT - M6 X 55 HEX HD 8.8 BZP TO DIN 931
>>2	07052224	2	BOLT - M22 X 200 HEX HD 8.8 ZINC TO DIN 931
>>2	07120151	7	GREASE NIPPLE - 1/8" BSP HP4 MBF-01901C
>>2	07330803	12	BOLT - M8 X 30 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07330813	4	BOLT - M8 X 80 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331003	4	BOLT - M10 X 30 SKT CAP HD BZP 12.9 TO DIN 912
>>2	07331211	62	BOLT - M12 X 70 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331219	2	BOLT - M12 X 140 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07331407	40	BOLT - M14 X 50 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331605	12	BOLT - M16 X 40 CAP HD SKT ZINC 12.9 TO DIN 912
>>2	07331608	4	BOLT - M16 X 55 CAP HD SKT BZP 12.9 TO DIN 912
>>2	07361209	2	SCREW - M12 X 60mm LG CSK SKT HD SET ZINC
>>2	07402214	2	NUT - M22 NYLOC TYPE T BZP TO DIN 985
>>2	07450824	4	WASHER - M8 BZP RECT SPRING
>>2	07451221	64	WASHER - M12 HEICO LOCK WASHER
>>2	07451620	12	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>2	07451622	12	WASHER - M16 SPRING REC SEC ZINC
>>2	21071219	1	BRIDGE W'MENT
>>2	21071221	2	BRIDGE W'MENT
>>2	21071227	2	SPACER TUBE - 13.31 I/D 21.43 O/D 33 LG
>>2	21071742	1	BASE BOOM FURN W'MENT - KOBELCO SK520
>>2	33005163	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE
>>2	33005164	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/2" 6000 SAE
>>2	33005165	1	1" SAE (3000 psi) PIPE W'MENT (BENT) - 1" 3000 SAE x 1" PIPE x 1 1/4" 6000 SAE
>>2	33005166	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE
>>2	33005167	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE
>>2	33005168	1	1 1/4" SAE (6000 psi) PIPE W'MENT (BENT) - 1 1/4" 6000 SAE x 1 1/4" PIPE x 1 1/4" 6000 SAE
>>2	33005169	1	22LL SS PIPE (BENT)
>>2	33005170	1	1/2" PIPE W'MENT (BENT) - 1/2" 3000 SAE x 1/2" PIPE x 13/16" ORFS
>>2	33005171	1	1/2" PIPE W'MENT (BENT) - 1/2" 3000 SAE x 1/2" PIPE x 1/2" BSP
>>2	33005172	1	1/2" PIPE W'MENT (BENT) - 1/2" 3000 SAE x 1/2" PIPE x 1/2" BSP
>>2	33005173	1	8L PIPE (BENT)
>>2	33005174	1	8L PIPE (BENT)
>>2	33005175	1	8L PIPE (BENT)
>>2	33005176	1	8L PIPE (BENT)
>>2	33005177	1	8L PIPE (BENT)
>>2	33005178	1	12L PIPE (BENT)
>>2	33005179	1	12L PIPE (BENT)
>>2	33005180	1	12L PIPE (BENT)
>>2	33005181	1	12L PIPE (BENT)
>>2	33005182	1	12L PIPE (BENT)
>>2	33005187	1	12L PIPE (BENT)
>>2	33005188	2	12L PIPE (BENT)
>>2	33050002	2	ADAPTOR - 1/4" BSP MALE X 1/4" BSP MALE UNION
>>2	33050006	6	ADAPTOR - 3/8" BSP MALE X 3/8" BSP MALE UNION
>>2	33050024	2	ADAPTOR - 3/8" BSP MALE X 1/2" BSP FEMALE SWIVEL CONNECTOR
>>2	33050401	9	SEAL 1/4" BONDED DOWTY WASHER
>>2	33050402	22	SEAL 3/8" BONDED DOWTY WASHER
>>2	33050403	2	SEAL 1/2" BONDED DOWTY
>>2	33050649	2	COMP FITTING - 3/4 BSP x 22mm Male Stud Coupling
>>2	65010102	1	PIN - TWIN COLLAR - 120 DIA X 1039 LG
>>2	66010120	2	COLLAR - 122mm I/D
>>2	66030211	14	PIPE CLAMP BODY SINGLE - 8mm (CLAMP HALVES RAPR 108)
>>2	66030213	7	PIPE CLAMP COVER PLATE - 8 OR 12mm (COVER PLATE DP A1)
>>2	66030214	4	PIPE CLAMP COVER PLATE - 8mm / 12mm (COVER PLATE DP B1)
>>2	66030215	6	PIPE CLAMP BODY - 12mm 2W (TWIN CLAMP HALVES RBPR 112) (PAIR)
>>2	66030216	8	PIPE CLAMP BODY - 8mm 2W (TWIN CLAMP HALVES RBPR 108)
>>2	66031301	56	PIPE/GREASE CLAMP - SINGLE
>>2	66031302	6	PIPE/GREASE CLAMP - DOUBLE
>>2	66031303	4	PIPE/GREASE CLAMP - TRIPLE
>>2	66031306	12	SINGLE PIPE CLAMP INSERT - 1/2" (I/D 21.43mm)
>>2	66031308	5	SINGLE PIPE CLAMP INSERT - 1" (I/D 31.75mm)
>>2	66031309	21	SINGLE PIPE CLAMP INSERT - 1 1/4" (I/D 42.86mm)
>>2	66031310	2	DOUBLE PIPE CLAMP INSERT - 12mm/12mm (I/D 12mm/12mm)
>>2	66031314	28	PLATE - SINGLE PIPE CLAMP COVER
>>2	66031315	2	PLATE - DOUBLE PIPE CLAMP COVER
>>2	66031316	2	PLATE - TRIPLE PIPE CLAMP COVER
>>2	71230081	2	LOCKING CYLINDER ASSY DRESSED - 100 DIA PIN (UP TO 45T M/C)
>>>3	07331209	8	BOLT - M12 X 60 CAP HD SKT BZP 12.9 TO DIN 912

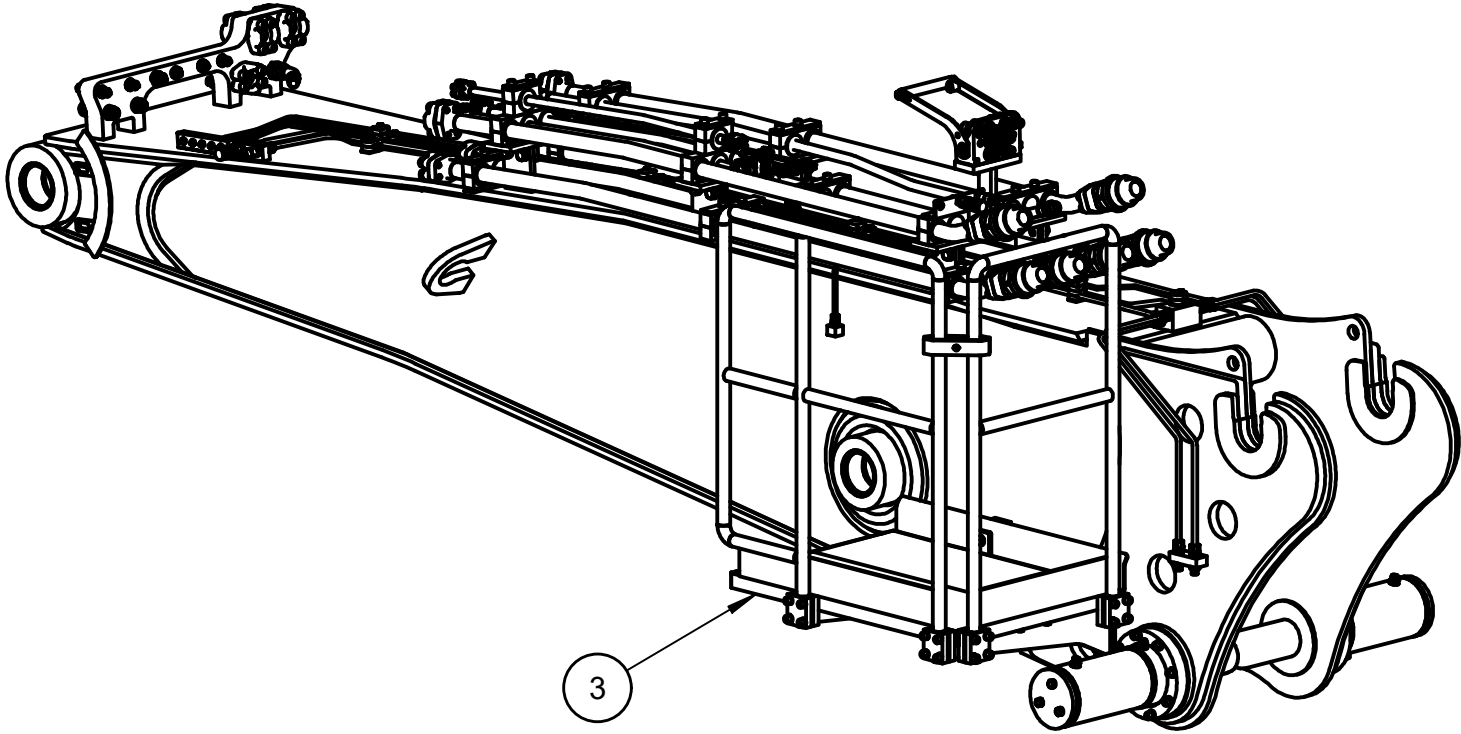
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>>>3	07451220	8	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>3	07451222	8	WASHER - M12 STL SPRING REC SEC ZINC
>>>3	33050003	2	ADAPTOR - 3/8" BSP MALE X 1/4" BSP MALE REDUCING NIPPLE
>>>3	33050401	2	SEAL 1/4" BONDED DOWTY WASHER
>>>3	71230013	1	ANTI-ROTATE PIN 14 DIA X 34 LG SPIROL
>>>3	71230015	2	LOCK RAM CLAMPING FLANGE - 110 PIN LOCKING CYLINDER
>>>3	71230071	1	LOCKING CYLINDER ASSY - 100 DIA PIN (UP TO 45T M/C)
>>>4	07381203	3	SCREW - M12 X 30mm HEX LG HT SET ZINC
>>>4	07451222	3	WASHER - M12 STL SPRING REC SEC ZINC
>>>4	71040010	1	SEAL VEE PACK 100 x 120 x 28.5
>>>4	71040012	1	SEAL - PISTON MAIN - 120 BORE X 105 I/D X 12 WIDE
>>>4	71060014	1	O RING - 109.3 I/D x 5.7 DIA BS 4518-1093-57 NBR70
>>>4	71060015	1	BACKUP RING - 110 I/D x 120 O/D x 1.6-1.8 THK - BS1093-57/E (SUITS O RING 71060014)
>>>4	71230075	1	JOINT PIN ASSY
>>>>5	71230074	1	PISTON
>>>>5	71230072	1	ROD
>>>>5	71230073	1	PIN - 4O DIA
>>>4	71230078	1	LOCKING TUBE GLAND
>>>4	71230079	1	LOCKING TUBE ASSY
>>>>5	71230016	1	O RING - 134.5 I/D 3.0 DIA - BS 4518-1345-30 - NBR 70
>>>>5	71230076	1	LOCKING CYLINDER END
>>>>5	71230077	1	LOCKING CYLINDER TUBE - 120 I/D 160 O/D 305.2 LG
>>>4	71230080	1	LOCKING PLATE (Y.P)
>>>4	71300098	1	O RING NITRILE 59 X 5mm NBR70
>>>4	71990096	1	SEAL WIPER PW 40 48.6 X 5.5
>>>4	71990097	1	SEAL - MAIN GLAND SI/L 40/50 X 110
>>>4	89020046	1	BRONZE GUIDE RING - 119.85 O/D 104.6 I/D 12.6 LNG
>>2	71300006	6	SEAL - SAE FLANGE - 1 1/4"
>>2	71300074	4	DUST SEAL - 120 I/D 140 O/D 10 THK
>>2	86001036	1	SWITCH PLATE W'MENT
>>2	97010407	2	BUSH - 120 I/D 140 O/D 150 LG (BRONZE AB2)
>>2	97020000	2	BUSH - 120 I/D 140 O/D 150 LG (ST52)
>>2	97071232	8	HOSE FLANGE SPLIT 1 1/4" 6000 SERIES
>>2	97071234	2	HOSE FLANGE SPLIT 1" 3000 SERIES (FL CLAMP 1" 44.5 3000PSI)
>>2	97071270	2	HOSE FLANGE SPLIT 1 1/2" 6000 SERIES
>>2	97071271	6	HOSE FLANGE SPLIT 1/2" 3000 SERIES (FL CLAMP 1/2" (30.2) 3000 PSI)
>>2	97083006	2	Q/R COUPLING - PROBE FLAT FACED 3/8" BSP F.FACE Q.R
>>2	97083007	2	Q/R COUPLING - CARRIER FLAT FACED 3/8" BSP F.FACE Q.R.
>>2	97084049	6	Q/R COUPLING (FLANGED) - PROBE 1.25" X 6000 SAE
>>2	97084055	1	FIXED PLATE + MALE COUPLINGS - 10 WAY
>>>3	97084062	10	MALE 1/2" COUPLING FOR CONNECTOR - (FIXED CARRIER)
>>>3	97084063	1	FIXED PLATE WITHOUT COUPLINGS GR10-9 ZF
>>2	97084102	16	COMP FITTING GEV 12L x 3/8" BSP FOA (MSC BSP FORM A 12L x 3/8")
>>2	97084103	8	COMP FITTINGS GEV 8L X 1/4"BSP (MSC BSP FORM A 8L X 1/4")
>>2	97084135	2	COMPRESSION FITTING S-WEV 8LLRK X 1/8" BSP X 90DEG
>1	21061496	1	EQUIPMENT ACCESS ASSY - BASE BOOM - KOBELCO SK350-11
>>2	07051606	4	BOLT - M16 X 45 HEX HD 8.8 BZP TO DIN 931
>>2	07451622	4	WASHER - M16 SPRING REC SEC ZINC
>>2	31031582	1	WALKWAY ASSY
>>>3	07051001	8	BOLT - M10 X 20 HEX HD 8.8 BZP TO DIN 931
>>>3	07331206	16	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07451020	8	WASHER - M10 PLAIN TYPE A ZINC TO DIN 125A
>>>3	07451022	8	WASHER - M10 ZINC SQ SPRING
>>>3	07451222	16	WASHER - M12 STL SPRING REC SEC ZINC
>>>3	21061370	2	WALKWAY TREADPLATE TYPE USA - 300 x 33"
>>>3	31030339	4	HAND RAIL CLAMP
>>>3	31030681	1	HANDRAIL CLAMP ASSY - 113.7 TO 93.8 CRS
>>>>4	07051207	1	BOLT - M12 X 50 HEX HD 8.8 BZP TO DIN 931
>>>>4	07451220	1	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>>4	07451222	1	WASHER - M12 STL SPRING REC SEC ZINC
>>>>4	31030684	1	FLAT - 40 x 8 x 176.2 LG (DRILLED)
>>>>4	31030687	1	HANDRAIL CLAMP W'MENT
>>>3	31031161	1	HANDRAIL W'MENT - 520 CRS
>>>3	31031308	4	FLAT - 30 x 8 x 285 LG BZP
>>>3	31031583	1	WALKWAY W'MENT
>>>3	31031587	1	HANDRAIL W'MENT
>>>3	97085000	4	STOP END PLASTIC Tubeclamp 133B Plastic Stop Ends
>>2	31031586	1	PLATE - FOOT BARRIER
>1	21071761	1	SCHEMATIC - ELECTRIC
>1	21071762	1	SCHEMATIC - HYDRAULIC
>1	21071763	1	DATASHEET - LOADING - DEMO SPEC - KOBELCO SK520
>1	21071764	1	OPERATORS MANUAL
>1	21071765	1	SPARES CATALOGUE
>1	21071766	1	TECHNICAL DOCUMENTATION

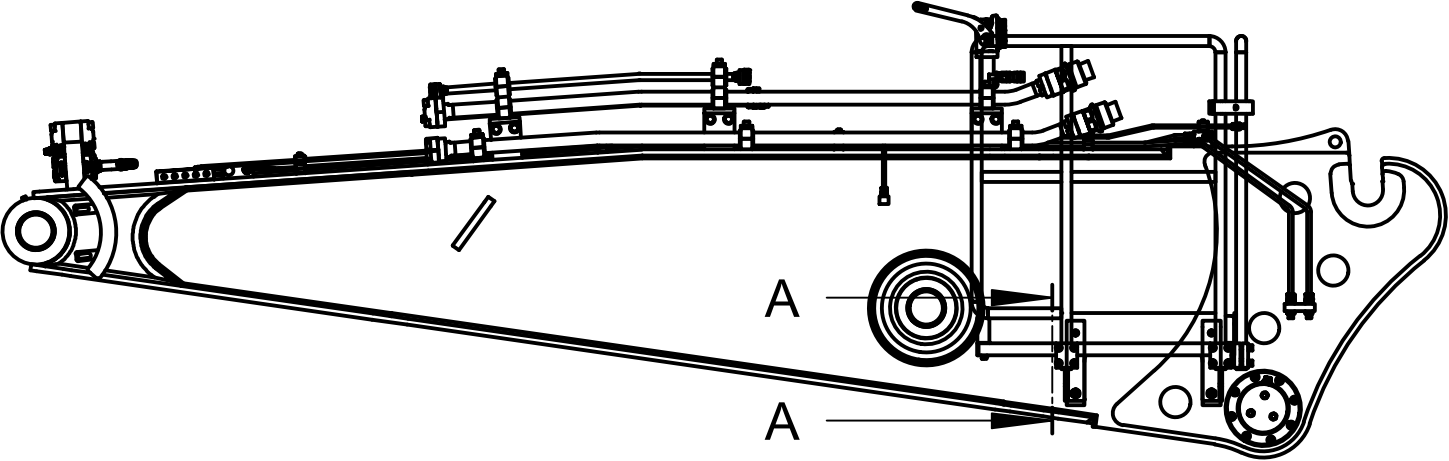
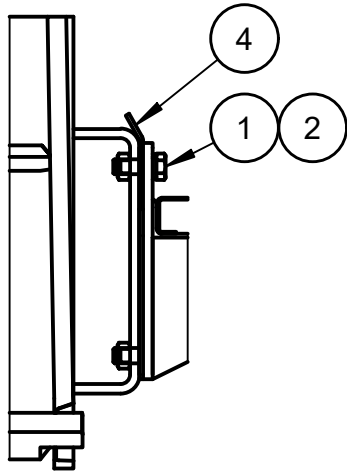
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1	2	3	4	5	6	7	8
ISSUE	DATE	MOD	DRN	APP			
1	03/09/24	-	OGM	AJF	ITEM	PART No	DESCRIPTION
					QTY		

1	07051606	BOLT - M16 X 45 HEX HD	4
2	07451622	WASHER - M16 SPRING	4
3	31031582	WALKWAY ASSY	1
4	31031586	PLATE - FOOT BARRIER	1

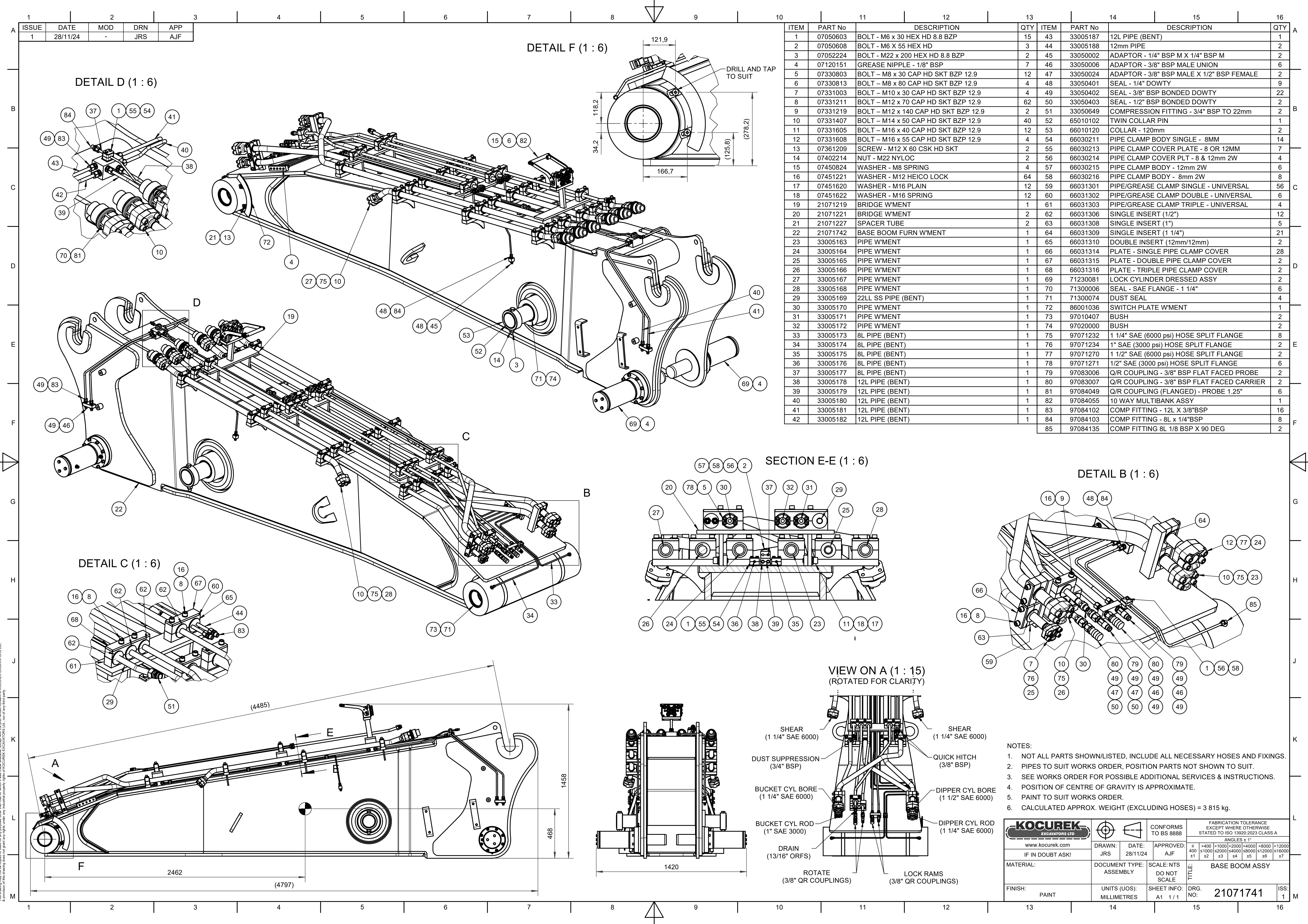


SECTION A-A (1 : 8)



- NOTES:
- PAINT TO SUIT WORKS ORDER.
 - CALCULATED APPROX. WEIGHT = 71 kg.

 www.kocurek.com IF IN DOUBT ASK!	 		CONFORMS TO BS 8888		FABRICATION TOLERANCE EXCEPT WHERE OTHERWISE STATED TO ISO 13920:2023 CLASS A								
	DRAWN: OGM		DATE: 03/09/24		APPROVED: AJF		ANGLES ± 1°						
	≤ 400 ±1	>400 ≤1000 ±2	>1000 ≤2000 ±3	>2000 ≤4000 ±4	>4000 ≤8000 ±5	>8000 ≤12000 ±6	>12000 ≤16000 ±7						
MATERIAL:		DOCUMENT TYPE: ASSEMBLY		SCALE: NTS DO NOT SCALE		TITLE:		WALKWAY ASSY					
FINISH: PAINT		UNITS (UOS): MILLIMETRES		SHEET INFO: A3 1 / 1		DRG. NO:		21061496				ISS: 1	



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NOTES:

1. NOT ALL PARTS SHOWN/LISTED, INCLUDE ALL NECESSARY HOSES AND FIXINGS.

2. PIPES TO SUIT WORKS ORDER, POSITION PARTS NOT SHOWN TO SUIT.

3. SEE WORKS ORDER FOR POSSIBLE ADDITIONAL SERVICES & INSTRUCTIONS.

4. POSITION OF CENTRE OF GRAVITY IS APPROXIMATE.

5. PAINT TO SUIT WORKS ORDER.

6. CALCULATED APPROX. WEIGHT (EXCLUDING HOSES) = 3 815 kg.

KOCUREK

EXCAVATORS LTD

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IF IN DOUBT ASK!

28/11/24

DATE:

DRAWN:

JRS

JRS

APPROVED:

AJF

FABRICATION TOLERANCE
EXCEPT WHERE OTHERWISE
STATED TO ISO 19920:2023 CLASS A

ANGLES ± 1°

s	>400	>1000	>2000	>4000	>8000	>12000
±1	±22	±2000	±24	±35	±45	±7

SCALE: NTS
DO NOT
SCALE

TITLE:

BASE BOOM ASSY

FINISH:

PAINT

UNITS (UOS):
MILLIMETRES

SHEET INFO:
A1 1 / 1

DRG. NO.

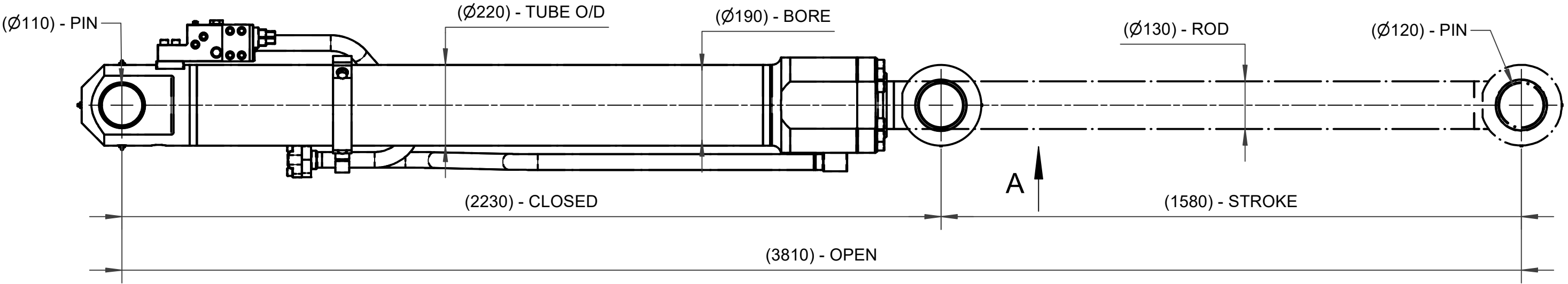
21071741

ISS:

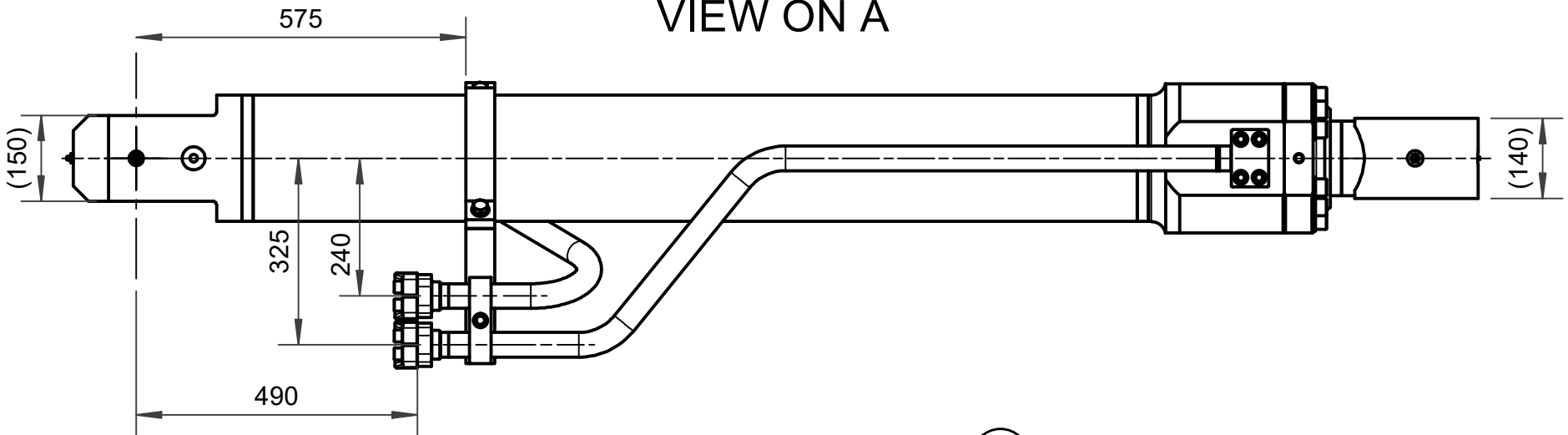
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1	2	3
ISSUE	DATE	MOD
1	19/09/24	-
DRN	APP	
JRS	AJF	

POSITIONAL REPRESENTATION



VIEW ON A



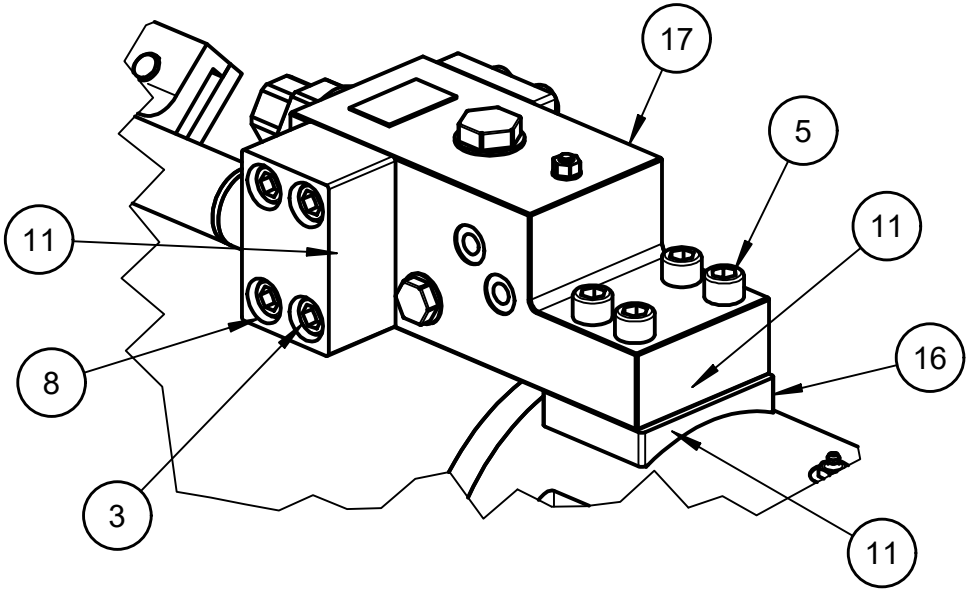
BORE = SAE 1 1/4" 6000 PSI
ANNULAR = SAE 1 1/4" 6000 PSI

ITEM	PART No	DESCRIPTION	QTY
1	07051606	BOLT - M16 X 45 HEX HD	2
2	07331403	BOLT - M14 x 30 CAP HD SKT BZP 12.9	4
3	07331407	BOLT - M14 x 50 CAP HD SKT BZP 12.9	12
4	07331408	BOLT - M14 x 55 CAP HD SKT BZP 12.9	4
5	07331414	BOLT - M14 x 90 CAP HD SKT BZP 12.9	4
6	07331612	BOLT - M16 x 75 CAP HD SKT BZP 12.9	1
7	07451620	WASHER - M16 PLAIN	2
8	33005144	PIPE W'MENT	1
9	33005145	PIPE W'MENT	1
10	66030722	CLAMP	2
11	71300006	SEAL - SAE FLANGE - 1 1/4"	5
12	71410044	CYLINDER ASSY	1
13	86000997	PLATE - CLAMP	1
14	86000998	PLATE - CLAMP	1
15	89020143	BLANKING PLATE-1 1/4 6000	1
16	89020524	PORT SPACER - 1 1/4" 6000 SAE	1
17	97071106	VALVE CHECK - 1 1/4" 6000 SERIES	1
18	97071232	1 1/4" SAE (6000 psi) HOSE SPLIT FLANGE	4

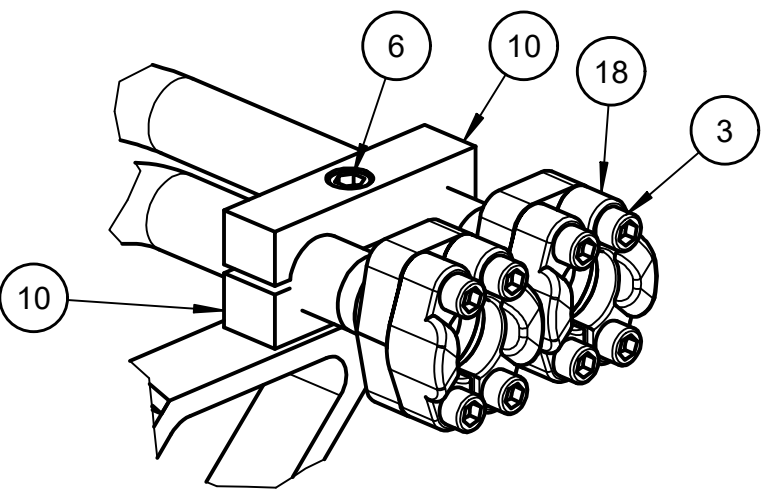
NOTES:

- THEORETICAL EXTENSION FORCE:
AT 1 bar = 2.84 kN
AT 350 bar = 992 kN
- THEORETICAL RETRACTION FORCE:
AT 1 bar = 1.51 kN
AT 350 bar = 528 kN
- MAX WORKING PRESSURE: 360 bar
- TEST PRESSURE: 450 bar
- CYLINDER SUMMARY:
 - BORE = ø190mm
 - ROD = ø130mm
 - SHUT = 2230mm
 - STROKE = 1580mm
- FOR SPARES USE SEAL KIT 71400205
- FIRST SEEN ON SM22353.
- CALCULATED APPROXIMATE WEIGHT (DRY) = 550 kg

DETAIL C (1 : 4)



DETAIL B (1 : 4)



KOCUREK EXCAVATORS LTD					CONFORMS TO BS 8888		MACHINING TOLERANCE EXCEPT WHERE OTHERWISE STATED TO BS 8888:2020 CLASS C					
	www.kocurek.com		DRAWN: JRS	DATE: 19/09/24	APPROVED: AJF	ANGLES $\pm 0.5^{\circ}$						
IF IN DOUBT ASK!		≤ 6 ± 0.3				> 6 ≤ 30 ± 0.5	> 30 ≤ 120 ± 0.8	> 120 ≤ 400 ± 1.2	> 400 ≤ 1000 ± 2	> 1000 ≤ 2000 ± 3	> 2000 ≤ 4000 ± 4	
MATERIAL:		DOCUMENT TYPE: ASSEMBLY		SCALE: NTS DO NOT SCALE		TITLE: CYLINDER ASSY DRESSED - RHS						
FINISH: PAINT		UNITS (UOS): MILLIMETRES		SHEET INFO: A2 1 / 1		DRG. NO:		21071745			ISS: 1	

1	2	3	4	5	6	7	8	9	10	11	12
ISSUE	DATE	MOD	DRN	APP							
1	19/09/24	-	JRS	AJF							

ITEM	PART No	DESCRIPTION	QTY
1	07051606	BOLT - M16 X 45 HEX HD	2
2	07331403	BOLT – M14 x 30 CAP HD SKT BZP 12.9	4
3	07331407	BOLT – M14 x 50 CAP HD SKT BZP 12.9	12
4	07331408	BOLT – M14 x 55 CAP HD SKT BZP 12.9	4
5	07331414	BOLT – M14 x 90 CAP HD SKT BZP 12.9	4
6	07331612	BOLT – M16 x 75 CAP HD SKT BZP 12.9	1
7	07451620	WASHER - M16 PLAIN	2
8	33005146	PIPE W'MENT	1
9	33005147	PIPE W'MENT	1
10	66030722	CLAMP	2
11	71300006	SEAL - SAE FLANGE - 1 1/4"	5
12	71410044	CYLINDER ASSY	1
13	86000997	PLATE - CLAMP	1
14	86000998	PLATE - CLAMP	1
15	89020143	BLANKING PLATE-1 1/4 6000	1
16	89020524	PORT SPACER - 1 1/4" 6000 SAE	1
17	97071106	VALVE CHECK - 1 1/4" 6000 SERIES	1
18	97071232	1 1/4" SAE (6000 psi) HOSE SPLIT FLANGE	4

A

B

C

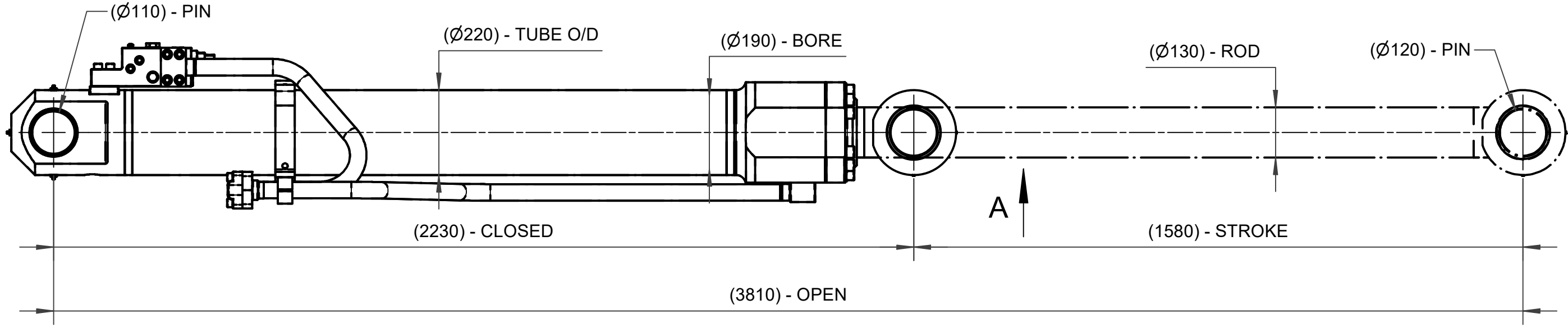
D

E

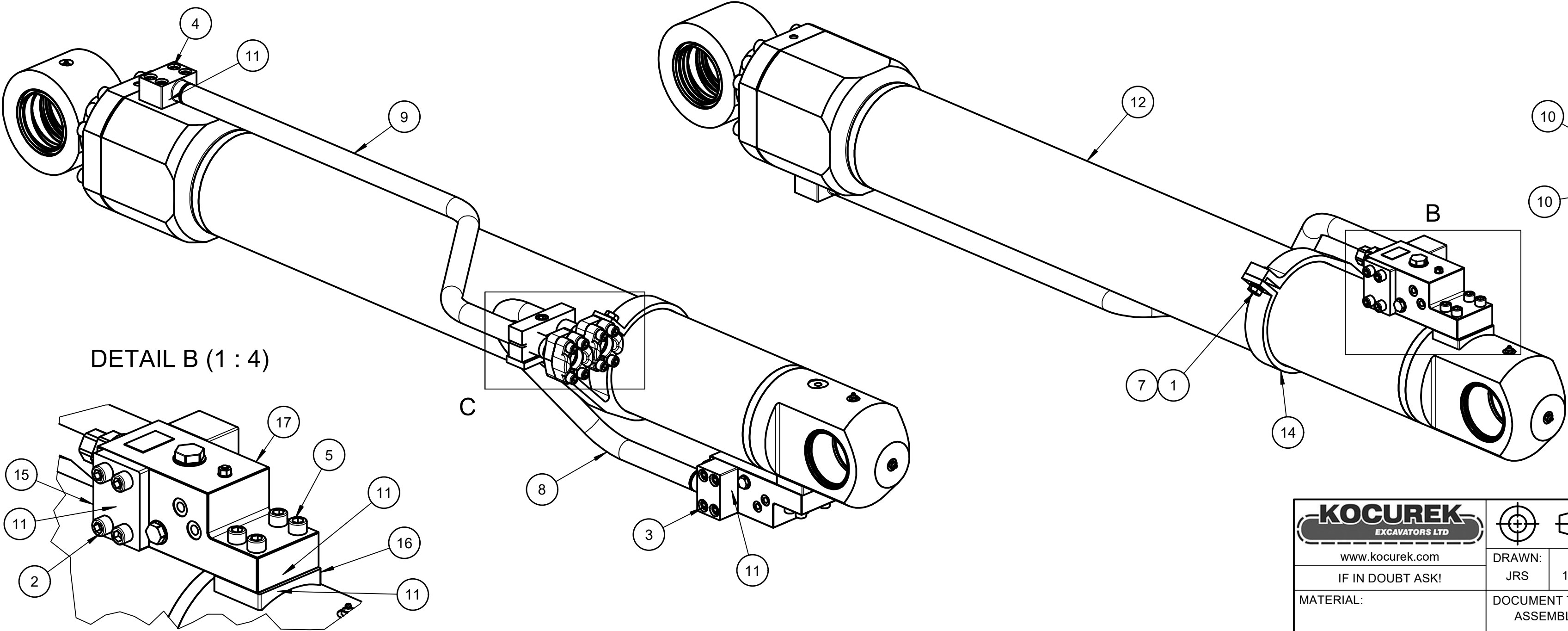
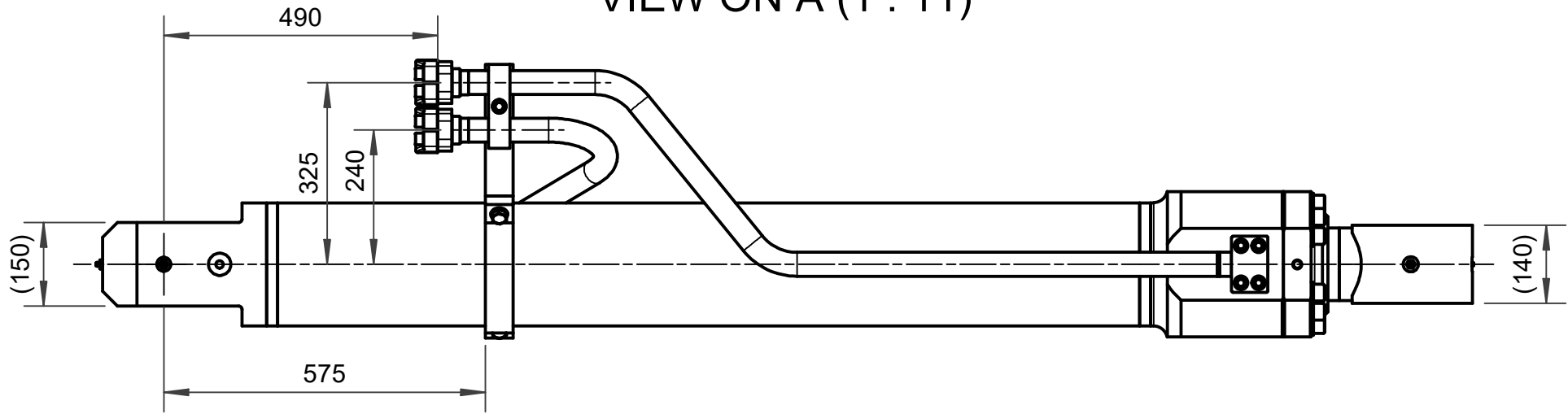
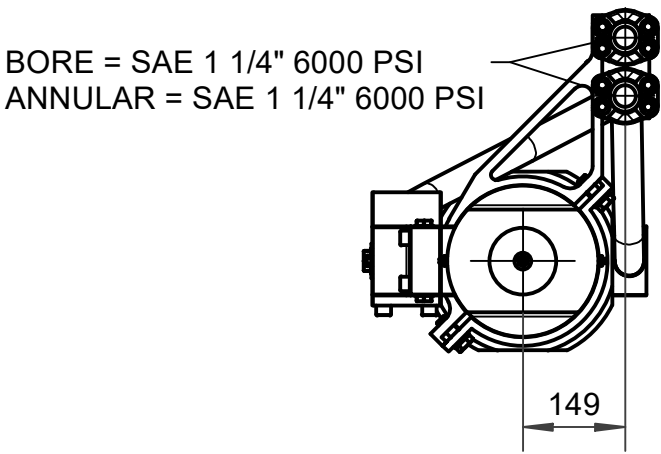
F

G

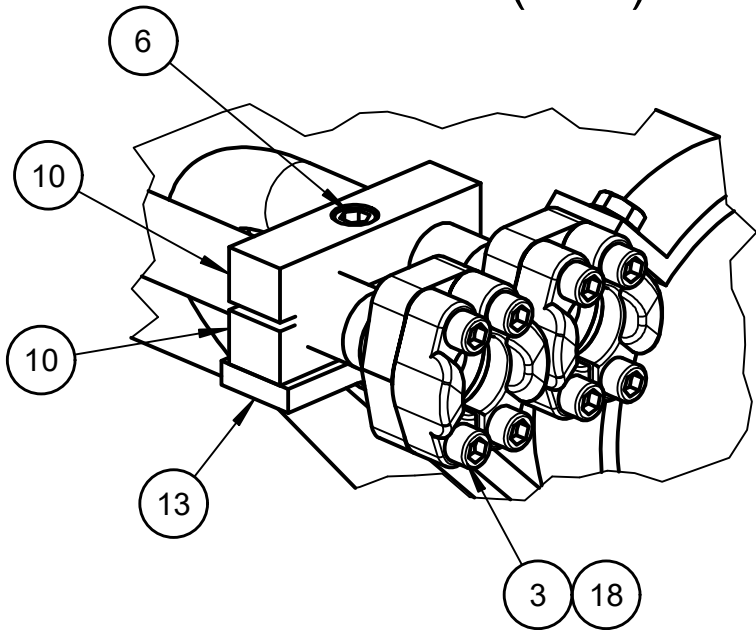
H



VIEW ON A (1 : 11)



DETAIL C (1 : 4)



B

KOCUREK EXCAVATORS LTD				CONFORMS TO BS 8888	MACHINING TOLERANCE EXCEPT WHERE OTHERWISE STATED TO BS 8888:2020 CLASS C			
www.kocurek.com		DRAWN: JRS	DATE: 19/09/24	APPROVED: AJF	ANGLES ± 0.5°			
IF IN DOUBT ASK!					≤6 ±0,3	>6 ≤30 ±0,5	>30 ≤120 ±0,8	>120 ≤400 ±1,2
MATERIAL:		DOCUMENT TYPE: ASSEMBLY	SCALE: NTS DO NOT SCALE	TITLE: CYLINDER ASSY DRESSED - LHS				
FINISH: PAINT		UNITS (UOS): MILLIMETRES	SHEET INFO: A2 1 / 1	DRG. NO: 21071746	ISS: 1			

A

B

C

D

E

F

G

H

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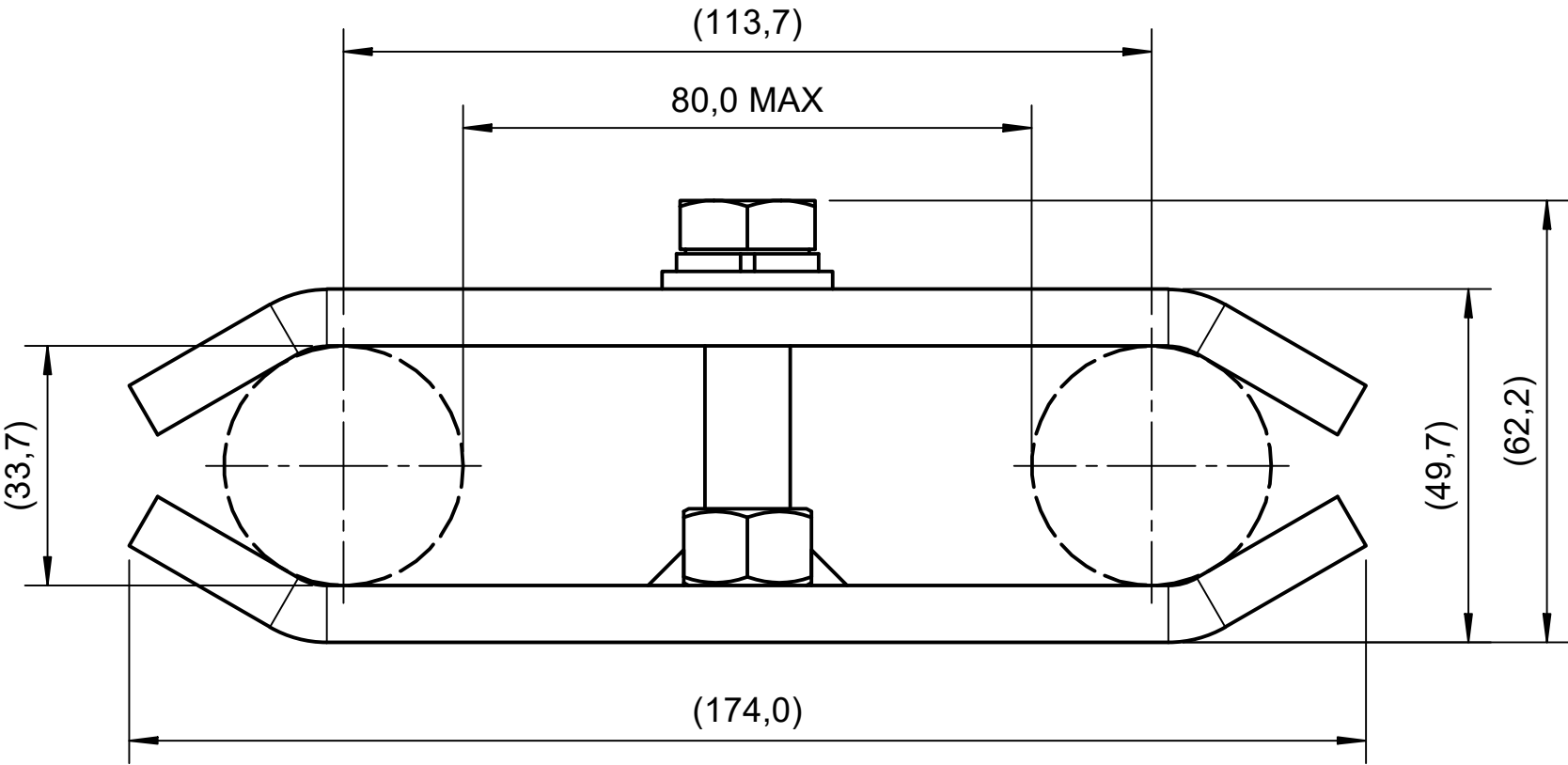
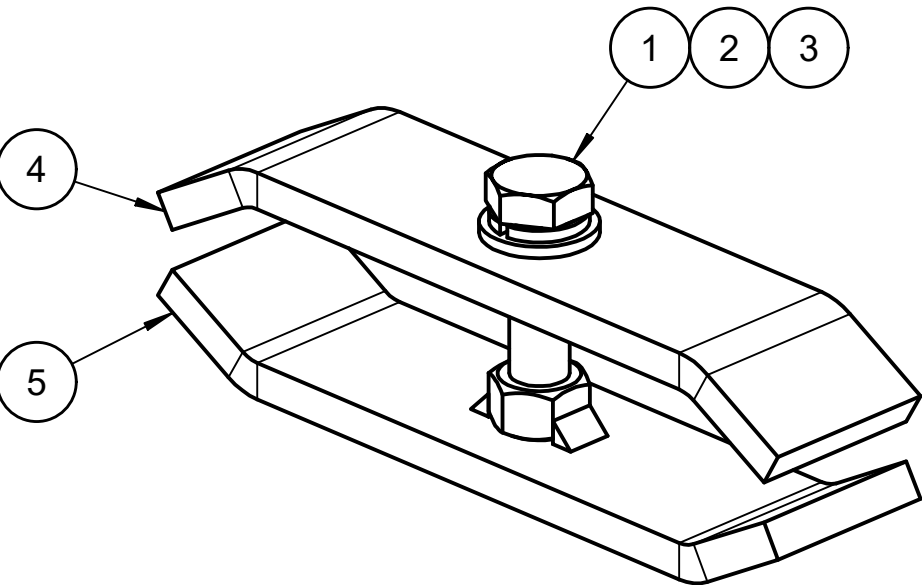
NOTES:

1. FOR USE ON HANDRAIL CRS 113,7 (MAX) TO 93,8 (APPROX.).

2. PAINT TO SUIT WORKS ORDER.

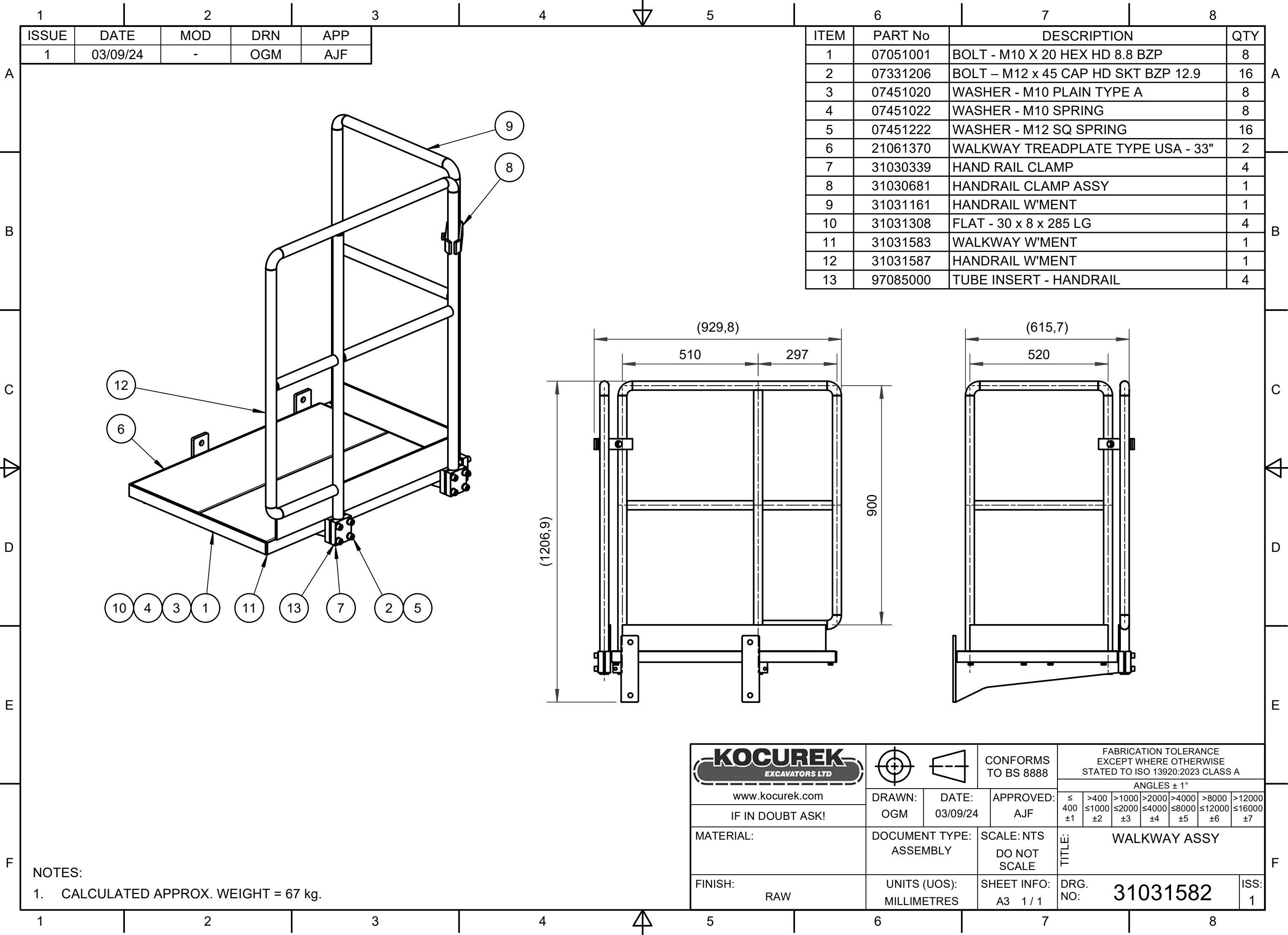
3. CALCULATED APPROX WEIGHT = 1kg.

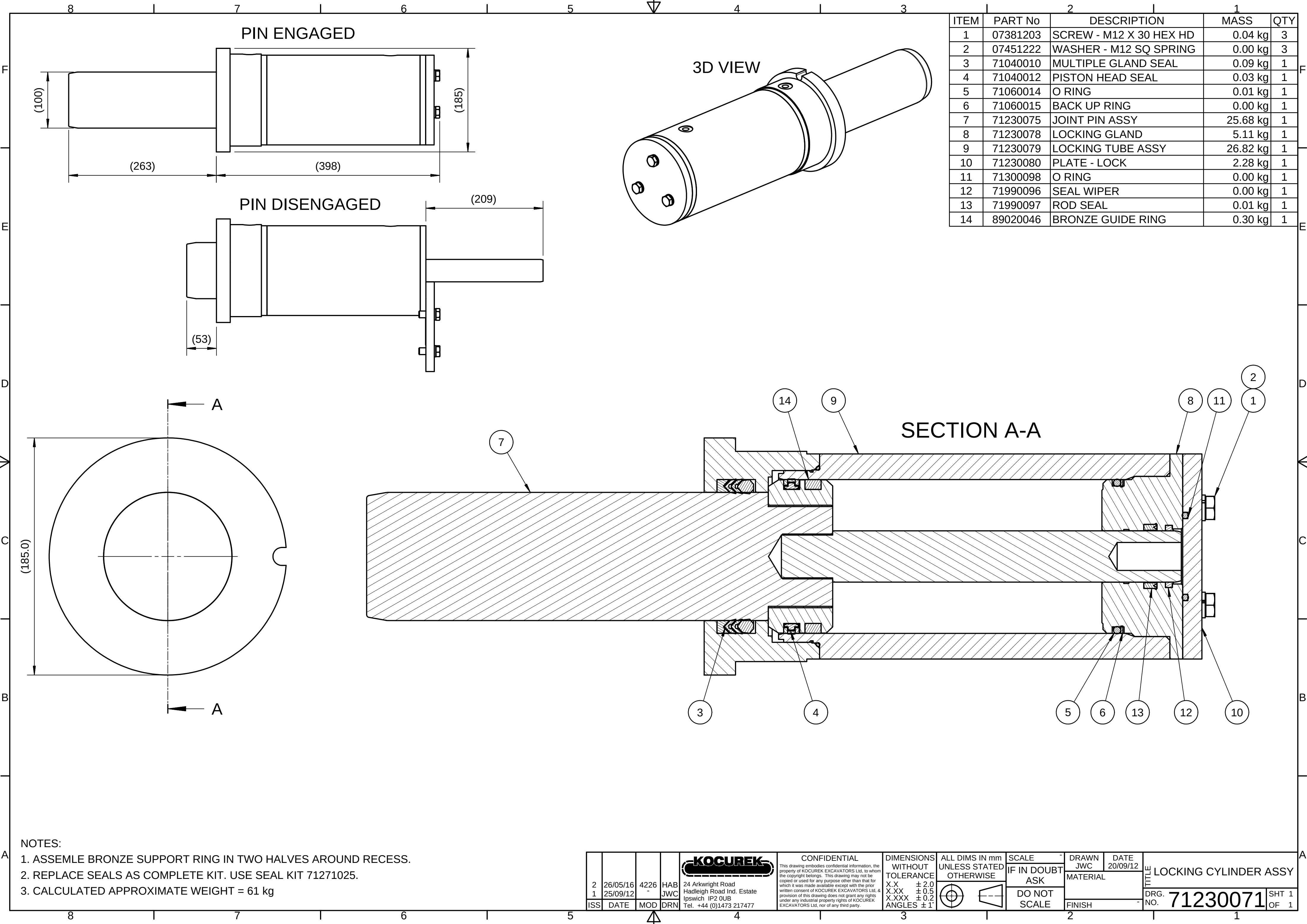
ITEM	PART No	DESCRIPTION	QTY
1	07051207	BOLT - M12 X 50 HEX HD	1
2	07451220	WASHER - M12 PLAIN TYPE A	1
3	07451222	WASHER - M12 SQ SPRING	1
4	31030684	FLAT - 40 x 8 x 176.2 LG (DRILLED)	1
5	31030687	HANDRAIL CLAMP W'MENT	1



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1	02/08/21	-	CJ	24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477							
ISS	DATE	MOD	DRN								

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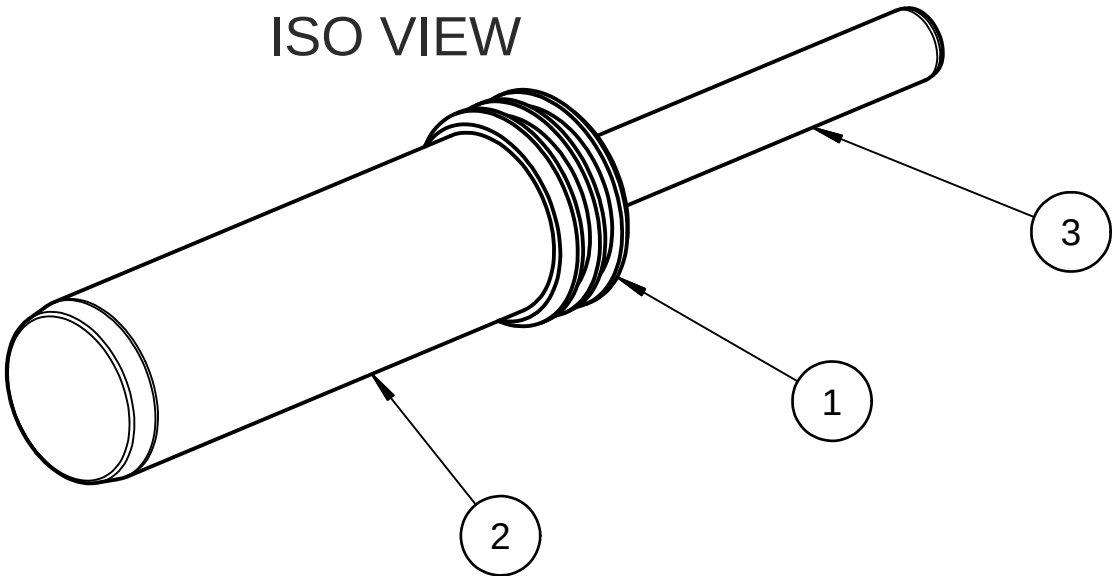
ITEM	PART No	DESCRIPTION	MASS	QTY
1	07381203	SCREW - M12 X 30 HEX HD	0.04 kg	3
2	07451222	WASHER - M12 SQ SPRING	0.00 kg	3
3	71040010	MULTIPLE GLAND SEAL	0.09 kg	1
4	71040012	PISTON HEAD SEAL	0.03 kg	1
5	71060014	O RING	0.01 kg	1
6	71060015	BACK UP RING	0.00 kg	1
7	71230075	JOINT PIN ASSY	25.68 kg	1
8	71230078	LOCKING GLAND	5.11 kg	1
9	71230079	LOCKING TUBE ASSY	26.82 kg	1
10	71230080	PLATE - LOCK	2.28 kg	1
11	71300098	O RING	0.00 kg	1
12	71990096	SEAL WIPER	0.00 kg	1
13	71990097	ROD SEAL	0.01 kg	1
14	89020046	BRONZE GUIDE RING	0.30 kg	1

- NOTES:
1. ASSEMBLE BRONZE SUPPORT RING IN TWO HALVES AROUND RECESS.
 2. REPLACE SEALS AS COMPLETE KIT. USE SEAL KIT 71271025.
 3. CALCULATED APPROXIMATE WEIGHT = 61 kg

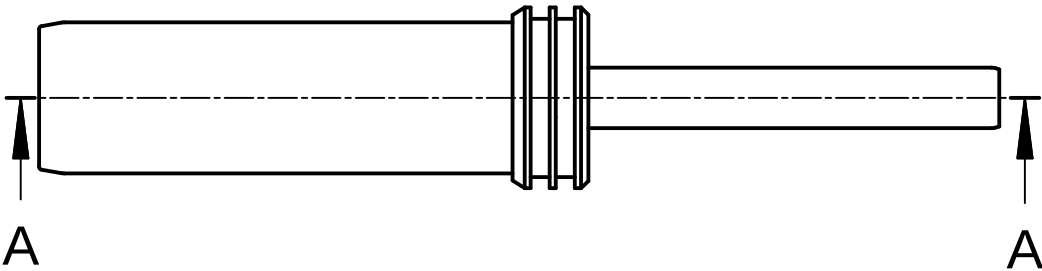
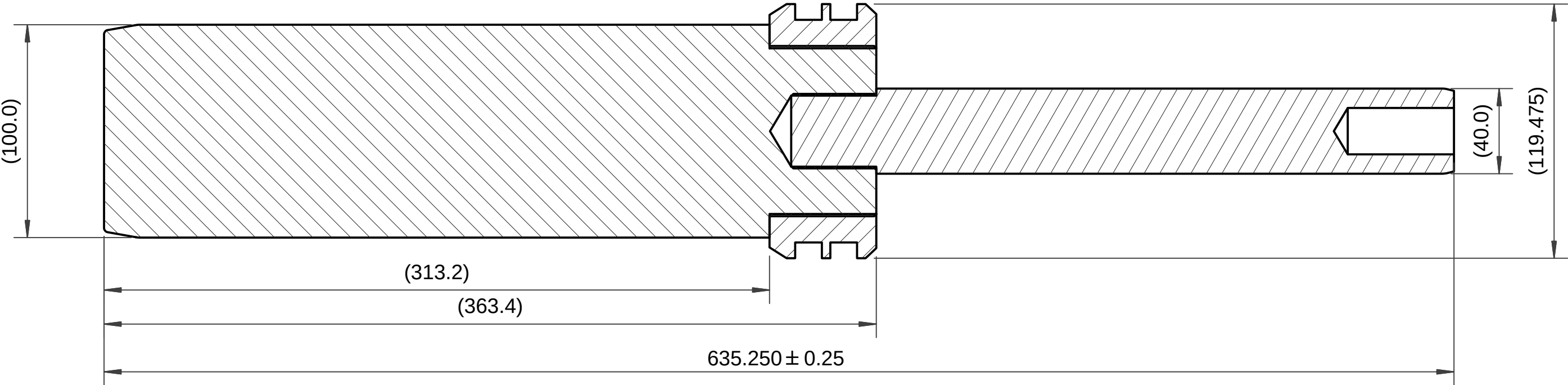
2 1	26/05/16 25/09/12	4226 -	HAB JWC	24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477	KOCUREK This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd, to whom the copyright belongs. This drawing may not be copied or used for any purpose other than that for which it was made available except with the prior written consent of KOCUREK EXCAVATORS Ltd, & provision of this drawing does not grant any rights under any industrial property rights of KOCUREK EXCAVATORS Ltd, nor of any third party.	DIMENSIONS WITHOUT TOLERANCE X.X ±2.0 X.XX ±0.5 X.XXX ±0.2 ANGLES ±1°	ALL DIMS IN mm UNLESS STATED OTHERWISE	SCALE IF IN DOUBT ASK DO NOT SCALE	DRAWN JWC MATERIAL	DATE 20/09/12	TITLE LOCKING CYLINDER ASSY	DRG. NO. 71230071	SHT 1 OF 1
ISS	DATE	MOD	DRN						FINISH				

ITEM	PART No	DESCRIPTION	MASS	QTY
1	71230074	PISTON	1.94 kg	1
2	71230072	ROD	20.96 kg	1
3	71230073	PIN	2.83 kg	1

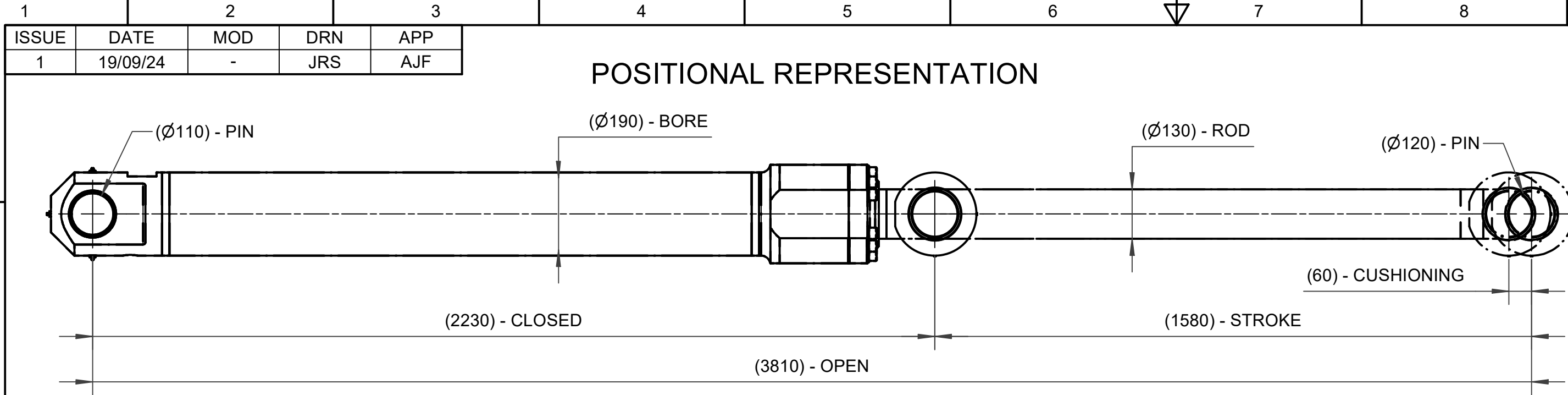
ISO VIEW



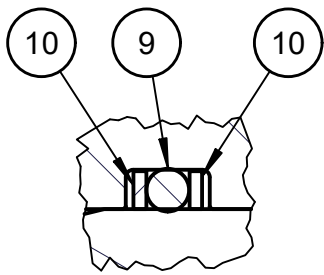
SECTION A-A



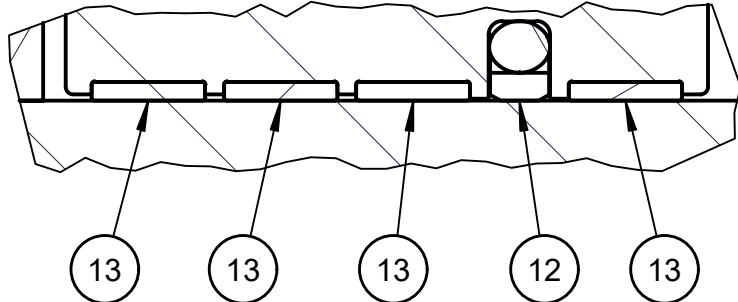
1	26/09/12	-	JWC	KOCUREK 24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477	CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd, to whom the copyright belongs. This drawing may not be copied or used for any purpose other than that for which it was made available except with the prior written consent of KOCUREK EXCAVATORS Ltd, & provision of this drawing does not grant any rights under any industrial property rights of KOCUREK EXCAVATORS Ltd, nor of any third party.	DIMENSIONS WITHOUT TOLERANCE X.X ±2.0 X.XX ±0.5 X.XXX ±0.2 ANGLES ±1°	ALL DIMS IN mm UNLESS STATED OTHERWISE  	SCALE IF IN DOUBT ASK DO NOT SCALE	DRAWN JWC DATE 20/09/12 MATERIAL FINISH -	TITLE JOINT PIN ASSY DRG. NO. 71230075 SHT 1 OF 1
ISS	DATE	MOD	DRN							



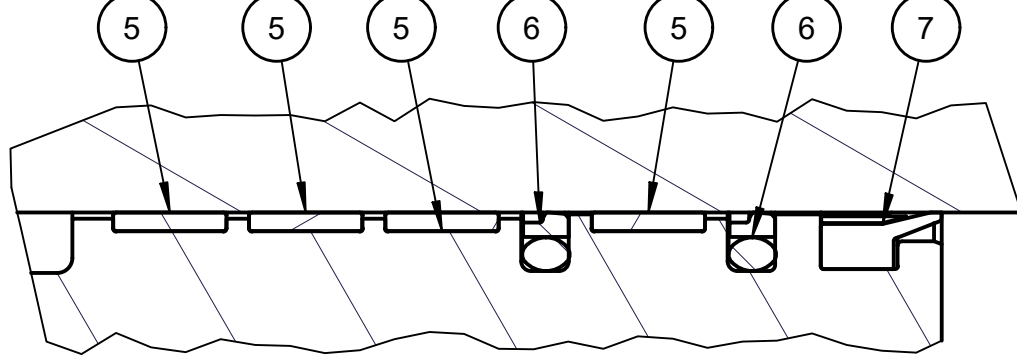
DETAIL D (1 : 1)



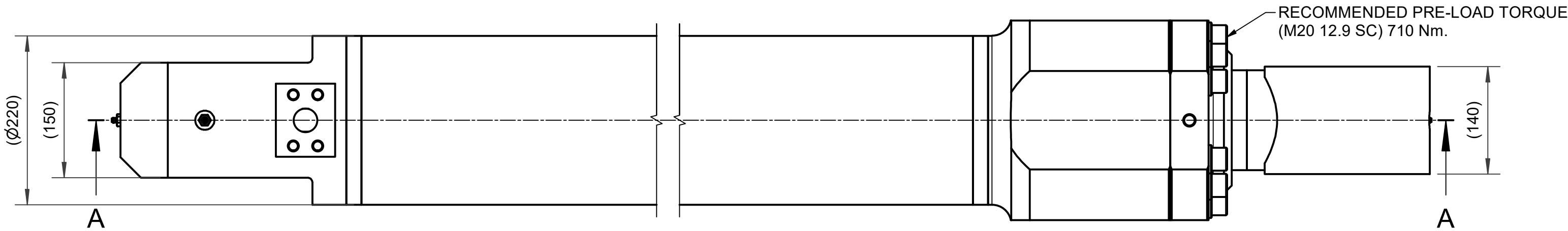
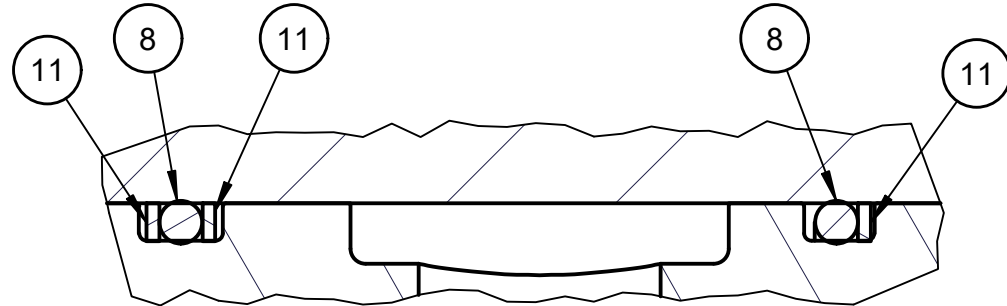
DETAIL C (1 : 1)



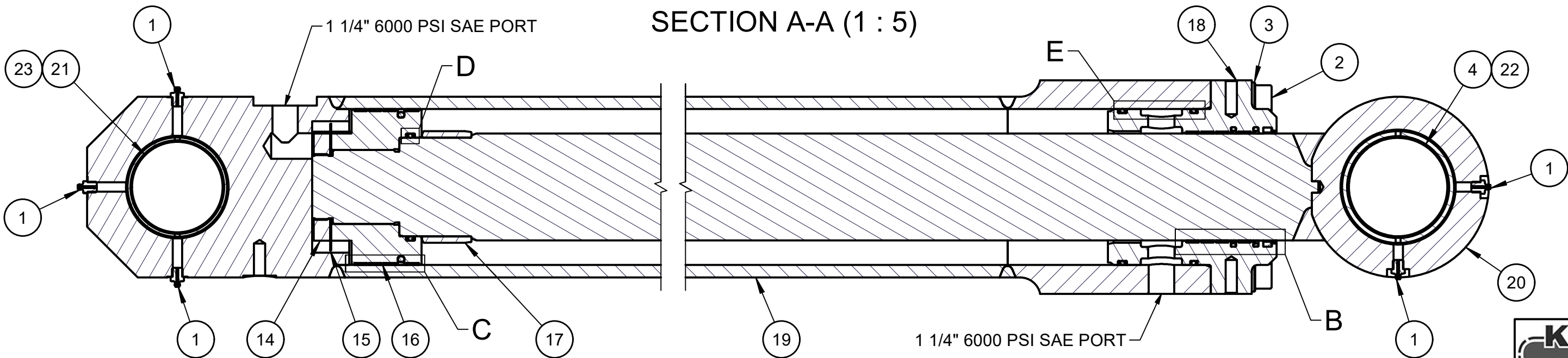
DETAIL B (1 : 1)



DETAIL E (1 : 1)



SECTION A-A (1 : 5)



NOTES:

- WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER. BEND LOCK WASHER INTO LOCK NUT AND PISTON.
- ENSURE THAT THREADED AREA OF PISTON AND BOLTS ARE COMPLETELY CLEAN OF OIL/GREASE. PLUG PORTS AFTER ASSEMBLY.
- MACHINE EACH END AFTER ASSEMBLY, THEN FIT BUSHINGS.
- ENVIRONMENTAL TEMPERATURE RANGE: -30°C - +80°C
- THEORETICAL EXTENSION FORCE:
AT 1 bar = 2.84 kN
AT 350 bar = 992 kN
- THEORETICAL RETRACTION FORCE:
AT 1 bar = 1.51 kN
AT 350 bar = 528 kN
- MAX WORKING PRESSURE: 360 bar
- TEST PRESSURE: 450 bar
- CYLINDER SUMMARY:
- BORE = ø190mm
- ROD = ø130mm
- SHUT = 2230mm
- STROKE = 1580mm
- FOR SPARES USE SEAL KIT 71400205
- CALCULATED APPROXIMATE WEIGHT (DRY) = 504 kg

		CONFORMS TO BS 8888	MACHINING TOLERANCE EXCEPT WHERE OTHERWISE STATED TO BS 8888:2020 CLASS C			
			ANGLES ± 0.5°			
www.kocurek.com	DRAWN: JRS	DATE: 19/09/24	APPROVED: AJF	≤6	>6	>30
IF IN DOUBT ASK!				±0,3	±0,5	±0,8
MATERIAL:	DOCUMENT TYPE: ASSEMBLY	SCALE: NTS DO NOT SCALE	TITLE: CYLINDER ASSY	≤120	≤400	≤1000
FINISH: PAINT	UNITS (UOS): MILLIMETRES	SHEET INFO: A2 1 / 1	DRG. NO: 71410044	≤2000	≤4000	≤10000
			ISS: 1	±1,2	±2	±3
				±4	±4	±4

Notes:

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Notes:

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