



Spare Parts Catalogue:

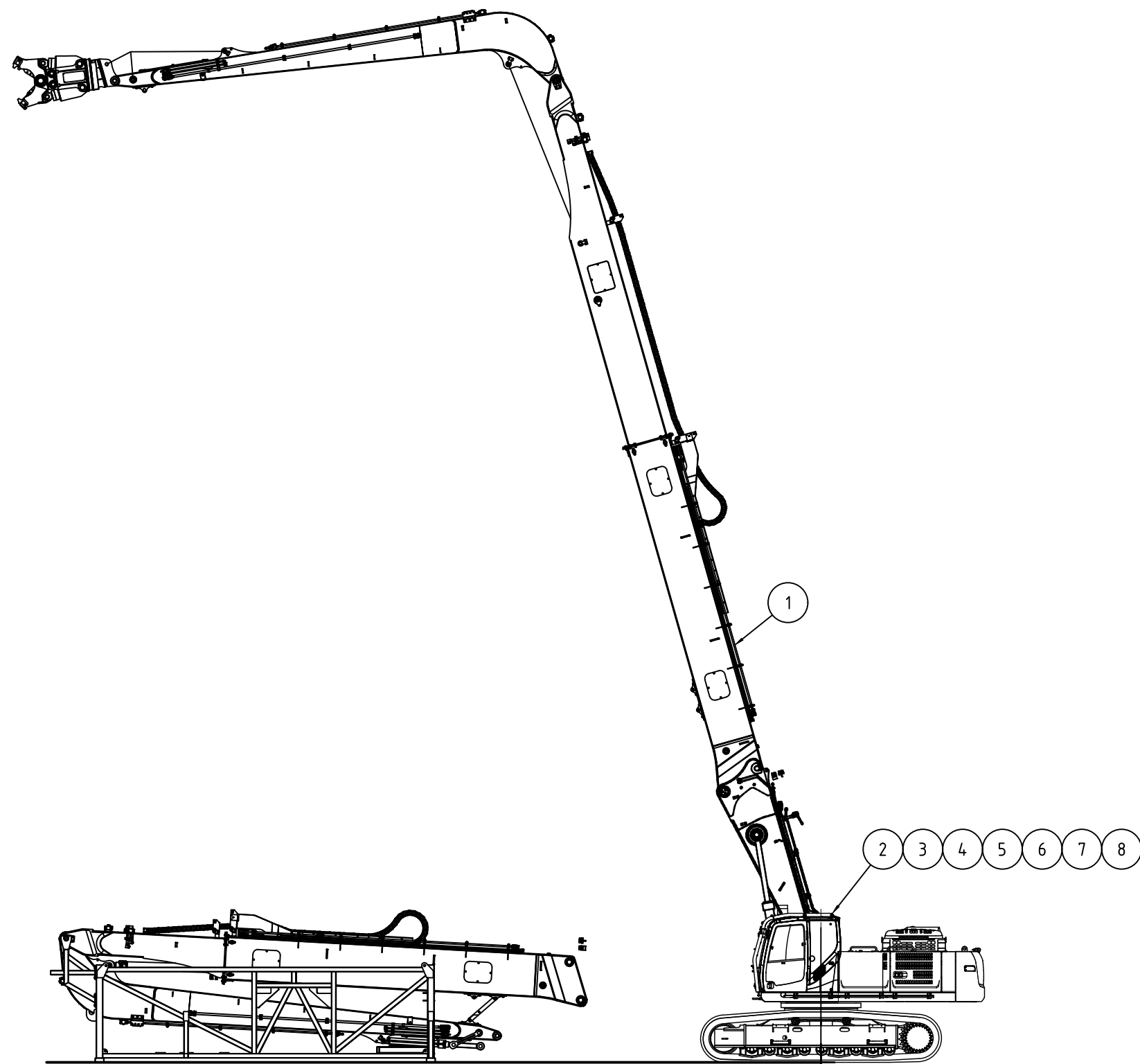
(Manufactured by Kocurek Excavators Ltd.)

Machine Designation/Type:	Kobelco SK520LC-11 with THRD (30m)
Documentation Part No.:	21071771
Documentation Issue No.:	Issue 1
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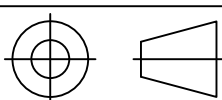
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1		2		3	
ITEM	PART No	DESCRIPTION		NOTE	QTY
1	21071736	TELEDEMO RIG ASSY			1
2	21071327	DATASHEET - RANGE			1
3	21071659	DATASHEET - LOADING			1
4	21071660	SCHEMATIC - ELECTRIC			1
5	21071661	SCHEMATIC - HYDRAULIC			1
6	21071771	SPARES CATALOGUE			1
7	21071663	OPERATORS MANUAL			1
8	21071664	CALCULATION DOCUMENT			1



NOTES:

ISSUE	DATE	MOD	DRAWN	APP
1	11/09/24	-	OGM	AJF

KOCUREK EXCAVATORS LTD www.kocurek.com IF IN DOUBT ASK!			CONFORMS TO BS 8888	FABRICATION TOLERANCE EXCEPT WHERE OTHERWISE STATED TO ISO 13920:2023 CLASS A						
				ANGLES ± 1°						
	DRAWN: OGM	DATE: 12/09/24	APPROVED: AJF	≤ 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: DO NOT SCALE	TITLE: GA - THRD (30m) KOBELCO SK520LC-11 (FIRST SEEN ON SM22355)						
FINISH: -	UNITS (UOS): MILLIMETRES		SHEET INFO: A3 1 / 1	DRG. NO: 21071735						

21071771 - Partial Spare Components List for; Kobelco SK520LC-11 with THRD (30m)

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	21071735	1	GA - THRD (30m) - KOBELCO SK520LC-11
>1	21071736	1	30m DEMO RIG ASSY - 2 PC
>>2	21071559	1	TRANSPORT LINK W'MENT
>>2	21071673	1	DEMO DIPPER ASSY - 10m - SK210 BKT (TWIN DIPPER CYLINDER)
>>>3	07050604	7	BOLT - M6 X 35 HEX HD HT8.8 ZINC TO DIN 931
>>>3	07051206	2	BOLT - M12 X 40 HEX HD 8.8 BZP TO DIN 931
>>>3	07051606	8	BOLT - M16 X 45 HEX HD 8.8 BZP TO DIN 931
>>>3	07051607	2	BOLT - M16 X 50 HEX HD 8.8 BZP TO DIN 931
>>>3	07120151	2	GREASE NIPPLE - 1/8" BSP HP4 MBF-01901C
>>>3	07331003	16	BOLT - M10 X 30 SKT CAP HD BZP 12.9 TO DIN 912
>>>3	07331004	68	BOLT - M10 X 35 SKT CAP HD BZP 12.9 TO DIN 912
>>>3	07331014	6	BOLT - M10 X 90 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331206	40	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331212	16	BOLT - M12 X 75 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331213	8	BOLT - M12 X 80 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331215	28	BOLT - M12 X 100 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331406	8	BOLT - M14 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331407	32	BOLT - M14 X 50 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07451022	90	WASHER - M10 ZINC SQ SPRING
>>>3	07451220	2	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>3	07451221	40	WASHER - M12 HEICO LOCK WASHER
>>>3	07451222	54	WASHER - M12 STL SPRING REC SEC ZINC
>>>3	07451422	40	WASHER - M14 BZP SQ SEC SPRING
>>>3	07451620	10	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>3	07451622	10	WASHER - M16 SPRING REC SEC ZINC
>>>3	21071674	1	DEMO DIPPER FURN W'MENT - 10m - SK210 BKT (TWIN DIPPER CYLINDER)
>>>3	31010787	1	PIPE GUARD W'MENT
>>>3	33001008	1	DUST SUPPRESSION NOZZLE MOUNT ASSY - RH
>>>>4	07051615	1	BOLT - M16 X 100 HEX HD 8.8 BZP TO DIN 931
>>>>4	07451620	2	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>>4	33000297	1	NOZZLE MOUNT W'MENT RH
>>>3	33001009	1	DUST SUPPRESSION NOZZLE MOUNT ASSY - LH
>>>>4	07051615	1	BOLT - M16 X 100 HEX HD 8.8 BZP TO DIN 931
>>>>4	07451620	2	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>>4	33000298	1	NOZZLE MOUNT W'MENT LH
>>>3	33004385	1	3/4" SAE 6000 PSI/BSP PIPE W'MENT (1316 LG) - 3/4" SAE 6000 PSI x 3/4" PIPE x 3/4" BSP
>>>3	33004386	2	3/4" SAE 6000 PSI PIPE W'MENT (1300 LG) - 3/4" SAE 6000 PSI x 3/4" PIPE x 3/4" SAE 6000 PSI
>>>3	33004387	1	12L PIPE (BENT)
>>>3	33004388	1	12L PIPE (BENT)
>>>3	33004389	2	1 1/4" SAE 6000 PSI PIPE W'MENT (5700 LG) - 1 1/4" SAE 6000 PSI x 1 1/4" PIPE x 1 1/4" SAE 6000 PSI
>>>3	33004390	2	12L PIPE (BENT)
>>>3	33004391	2	1" SAE 6000 PSI PIPE W'MENT (4750 LG) - 1" SAE 6000 PSI x 1" PIPE x 1" SAE 6000 PSI (90 DEG)
>>>3	33004392	1	22L SS (4720LG)
>>>3	33004393	2	3/4" SAE 6000 PSI PIPE W'MENT (BENT) - 3/4" SAE 6000 PSI x 3/4" PIPE x 3/4" SAE 6000 PSI
>>>3	33004394	1	3/4" BSP PIPE W'MENT (BENT) - 3/4" BSP x 3/4" PIPE x 3/4" BSP
>>>3	33050006	2	ADAPTOR - 3/8" BSP MALE X 3/8" BSP MALE UNION
>>>3	33050008	1	ADAPTOR - 3/4" BSP MALE X 3/8" BSP MALE REDUCING NIPPLE
>>>3	33050012	2	ADAPTOR - 3/4" BSP MALE X 3/4" BSP MALE UNION
>>>3	33050030	1	ADAPTOR - 3/4" BSP MALE X 3/4" BSP FEMALE SWIVEL CONNECTOR
>>>3	33050301	2	ADAPTOR - 3/8" BSP MALE STRAIGHT BULKHEAD UNION
>>>3	33050333	1	ADAPTOR - 3/4" BSP FEMALE X 3/4" BSP FEMALE SWIVEL UNION TEE
>>>3	33050402	5	SEAL 3/8" BONDED DOWTY WASHER
>>>3	33050403	4	SEAL 1/2" BONDED DOWTY
>>>3	33050404	6	SEAL 3/4" BONDED DOWTY
>>>3	33050490	2	COMPRESSION FITTING 22MM O/D X 3/4" BSPP MALE STUD (L) VITON - STAINLESS STEEL
>>>3	33050856	4	ADAPTOR - 1/2" BSPP MALE PLUG (680 BAR WP)
>>>3	50004687	1	TRANSPORT LINK ASSY - SPECIAL
>>>>4	07401616	4	NUT - M16 HEX FULL BZP TO DIN 934
>>>>4	07451622	4	WASHER - M16 SPRING REC SEC ZINC
>>>>4	50003354	4	PLATE - RING - 24 I/D 45 O/D 5 THK (OILON)
>>>>4	50003355	4	WASHER - 17 I/D 45 O/D 4 THK
>>>>4	50004688	1	TRANSPORT EAR W'MENT - SPECIAL
>>>3	65050556	1	TAGGED PIN W'MENT - 80 DIA x 230 LG
>>>3	65050772	1	TAGGED PIN W'MENT - 100 DIA x 505 LG
>>>3	66030214	7	PIPE CLAMP COVER PLATE - 8mm / 12mm (COVER PLATE DP B1)
>>>3	66030215	14	PIPE CLAMP BODY - 12mm 2W (TWIN CLAMP HALVES RBPR 112) (PAIR)
>>>3	66031297	1	PLATE - TRIPLE PIPE CLAMP COVER (SPECIAL) TO SUIT 66031299
>>>3	66031298	1	PIPE CLAMP SPACER 3W (30 THK) - TO SUIT (66031299)
>>>3	66031299	2	PIPE/GREASE CLAMP TRIPLE 70mm CENTRES/85mm CENTRES

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>>>3	66031301	20	PIPE/GREASE CLAMP - SINGLE
>>>3	66031303	16	PIPE/GREASE CLAMP - TRIPLE
>>>3	66031306	4	SINGLE PIPE CLAMP INSERT - 1/2" (I/D 21.43mm)
>>>3	66031307	15	SINGLE PIPE CLAMP INSERT - 3/4" (I/D 25.40mm)
>>>3	66031308	8	SINGLE PIPE CLAMP INSERT - 1" (I/D 31.75mm)
>>>3	66031309	8	SINGLE PIPE CLAMP INSERT - 1 1/4" (I/D 42.86mm)
>>>3	66031314	10	PLATE - SINGLE PIPE CLAMP COVER
>>>3	66031316	8	PLATE - TRIPLE PIPE CLAMP COVER
>>>3	66031321	2	PIPE/GREASE CLAMP DOUBLE - 85mm CENTRES
>>>3	66031322	1	PIPE CLAMP SPACER 2W (30 THK) - TO SUIT (66031321)
>>>3	66031323	1	PLATE - DOUBLE PIPE CLAMP COVER TO SUIT (66031321)
>>>3	66031324	10	PIPE CLAMP SPACER 1W (30 THK)
>>>3	66031333	2	ALLY PIPE CLAMP - 1 1/4" DUST SUPPRESSION
>>>3	66031334	2	ALLY PIPE CLAMP - 1 1/4" DUST SUPPRESSION
>>>3	66040127	1	PLATE - TAGGED PIN RETAINER (TO SUIT BLOCK - 66040126)
>>>3	66040134	1	PLATE - TAGGED PIN RETAINER (TO SUIT BLOCK - 66040133)
>>>3	71060018	1	O RING - 34.5 I/D x 3 DIA
>>>3	71300004	5	SEAL - SAE FLANGE - 3/4"
>>>3	71300005	2	SEAL - SAE FLANGE - 1"
>>>3	71300006	2	SEAL - SAE FLANGE - 1 1/4"
>>>3	71300078	2	DUST SEAL - 80 I/D 95 O/D 5 THK (SEE INFO)
>>>3	71990180	2	DUST SEAL - 110 I/D 125 O/D 8 THK
>>>3	71990183	2	DUST SEAL - 70 I/D 85 O/D 7.5 THK
>>>3	86000735	1	GREASE INSERT - 60 LG
>>>3	89020836	8	PLATE - PIPE CLAMP SPACER (3W) - 20 THK
>>>3	89020871	1	MANIFOLD W'MENT - DEMO DIPPER
>>>3	89020897	1	MANIFOLD - DEMO DIPPER - 1" 6000 SAE 4 x 3/4" 6000 SAE - ZP
>>>3	97010248	2	BUSH - 70 I/D 85 O/D 70 LG (BRONZE AB2)
>>>3	97010249	2	BUSH - 80 I/D 95 O/D 80 LG (BRONZE AB2)
>>>3	97018423	2	BUSH - 110 I/D 125 O/D 110 LG (BRONZE AB2)
>>>3	97071230	34	HOSE FLANGE SPLIT 3/4" 6000 SERIES
>>>3	97071231	20	HOSE FLANGE SPLIT 1" 6000 SERIES
>>>3	97071232	20	HOSE FLANGE SPLIT 1 1/4" 6000 SERIES
>>>3	97071233	8	HOSE FLANGE SPLIT 3/4" 3000 SERIES (FLANGE S3 38.1*3/4)
>>>3	97071636	2	ANGLED 2 WAY BALL VALVE - 1 1/4" SAE 6000 PSI
>>>3	97071637	2	ANGLED 2 WAY BALL VALVE - 3/4" SAE 6000 PSI
>>>3	97071638	1	ANGLED 2 WAY MANIFOLD - 3/4" SAE 6000 PSI x 3/4 BSP - ZP
>>>3	97083006	1	Q/R COUPLING - PROBE FLAT FACED 3/8" BSPF.FACE Q.R
>>>3	97084102	8	COMP FITTING GEV 12L x 3/8" BSP FOA (MSC BSP FORM A 12L x 3/8")
>>2	21071737	1	TELEBOOM HOOK PIN ASSY
>>>3	07052022	1	BOLT - M20 X 170 HEX HD 8.8 BZP TO DIN 931
>>>3	07402014	1	NUT - M20 NYLOC TYPE T BZP TO DIN 985
>>>3	21071738	1	TELEBOOM ASSY - 2 SECTION - 11400 TO 16200
>>>>4	07051616	1	BOLT - M16 X 110 HEX HD 8.8 BZP TO DIN 931
>>>>4	07331002	12	BOLT - M10 X 25 CAP HD SKT BZP 12.9 TO DIN 912
>>>>4	07361201	1	SCREW - M12 x 20mm LG CSK SKT HD SET BZP
>>>>4	07361202	12	SCREW - M12 X 25mm LG CSK SKT HD SET BZP
>>>>4	07401614	1	NUT - M16 NYLOC TYPE T BZP TO DIN 985
>>>>4	07451020	12	WASHER - M10 PLAIN TYPE A ZINC TO DIN 125A
>>>>4	07451022	12	WASHER - M10 ZINC SQ SPRING
>>>>4	11240133	2	PLATE - INSPECTION COVER (CSK HOLES)
>>>>4	11312228	1	PLATE - COVER - 10 THK
>>>>4	21071739	1	TELEBOOM SECTION BOTTOM ASSY
>>>>>5	07050004	3	BOLT - M20 X 35 HEX HD 8.8 BZP TO DIN 931
>>>>>5	07051209	4	BOLT - M12 X 60 HEX HD 8.8 BZP TO DIN 931
>>>>>5	07051613	16	BOLT - M16 X 80 HEX HD 8.8 BZP TO DIN 931
>>>>>5	07330802	16	BOLT - M8 X 25 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07330804	16	BOLT - M8 X 35 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07330807	2	BOLT - M8 X 50 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331004	4	BOLT - M10 X 35 SKT CAP HD BZP 12.9 TO DIN 912
>>>>>5	07331005	8	BOLT - M10 X 40 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331204	16	BOLT - M12 X 35 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331206	32	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07331220	32	BOLT - M12 X 150 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331406	24	BOLT - M14 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07361203	4	SCREW - M12 X 30mm LG CSK SKT HD SET ZINC
>>>>>5	07381204	16	SCREW - M12 X 35mm HEX LG HT SET BZP
>>>>>5	07401214	19	NUT - M12 NYLOC TYPE T BZP TO DIN 985
>>>>>5	07401614	16	NUT - M16 NYLOC TYPE T BZP TO DIN 985
>>>>>5	07450822	2	WASHER - M8 BZP SQ SPRING
>>>>>5	07451220	31	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>>>5	07451221	32	WASHER - M12 HEICO LOCK WASHER
>>>>>5	07451620	32	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>>>5	07452020	3	WASHER - M20 PLAIN TYPE A ZINC TO DIN 125A
>>>>>5	07452022	3	WASHER - M20 SQ SEC SPRING BZP
>>>>>5	07660005	16	PLATE - SHIM - 1 THK (SLOTTED)
>>>>>5	11312185	1	CABLE CHAIN ROLLER ASSY - (3 ROLLER) - 3 SECTION E4.80 CABLE CHAIN
>>>>>>6	07050004	4	BOLT - M20 X 35 HEX HD 8.8 BZP TO DIN 931
>>>>>>6	07402014	4	NUT - M20 NYLOC TYPE T BZP TO DIN 985

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>>>>>6	07452020	8	WASHER - M20 PLAIN TYPE A ZINC TO DIN 125A
>>>>>6	07452022	4	WASHER - M20 SQ SEC SPRING BZP
>>>>>6	11240098	6	ROLLER - 70 O/D OILON
>>>>>6	11312186	1	ROLLER BRACKET W'MENT - BOTTOM
>>>>>6	11312187	1	ROLLER BRACKET W'MENT - TOP
>>>>>6	11312190	10	ROLLER - 70 O/D 31 I/D 115 LG
>>>>>6	65060087	2	SPECIAL PIN W'MENT - 392 X 30 DIA FOR TELE BOOM CABLE CHAIN GUIDE ROLLERS
>>>>>6	65060097	2	SPECIAL PIN W'MENT- 715 X 30 DIA FOR 50M TELE BOOM CABLE CHAIN GUIDE ROLLERS
>>>>>5	15100599	8	PLATE - PAD RETAINER
>>>>>5	18120082	8	FLAT - PAD HOLDER - OUTER
>>>>>5	21071723	1	PLATE - GUARD
>>>>>5	21071744	1	TELEBOOM BOTTOM SECTION FURN W'MENT
>>>>>5	33002716	2	1/2" SAE 6000 PSI/BSP PIPE W'MENT (BENT) - 1/2" SAE 6000 PSI x 1/2" PIPE x 1/2" BSP
>>>>>5	33002717	2	1/2" SAE 6000 PSI/BSP PIPE W'MENT (4438 LG) - 1/2" SAE 6000 PSI x 1/2" PIPE x 1/2" BSP
>>>>>5	33004321	2	1" SAE 6000 PSI PIPE W'MENT (BENT) - 1" SAE 6000 PSI x 1" PIPE x 1" SAE 6000 PSI
>>>>>5	33004322	2	1" SAE 6000 PSI PIPE W'MENT (BENT) - 1" SAE 6000 PSI x 1" PIPE x 1" SAE 6000 PSI
>>>>>5	33004324	1	3/4" SAE 6000 PSI PIPE W'MENT (BENT) - 3/4" SAE 6000 PSI x 3/4" PIPE x 3/4" SAE 6000 PSI
>>>>>5	33004325	1	22L SS (BENT)
>>>>>5	33004326	4	1" SAE 6000 PSI PIPE W'MENT (4425 LG) - 1" SAE 6000 PSI x 1" PIPE x 1" SAE 6000 PSI
>>>>>5	33004328	1	3/4" SAE 6000 PSI PIPE W'MENT (4425 LG) - 3/4" SAE 6000 PSI x 3/4" PIPE x 3/4" SAE 6000 PSI
>>>>>5	33004329	1	22LL SS PIPE (4400 LG)
>>>>>5	33004330	2	1 1/4" SAE 6000 PSI PIPE W'MENT (5900 LG) - 1 1/4" SAE 6000 PSI x 1 1/4" PIPE x 1 1/4" SAE 6000 PSI
>>>>>5	33005142	2	1/2" SAE 6000 PSI PIPE W'MENT (4350 LG) - 1/2" SAE 3000 PSI x 1/2" PIPE x 1/2" SAE 3000 PSI
>>>>>5	33005143	2	1/2" SAE 6000 PSI PIPE W'MENT (BENT) - 1/2" SAE 3000 PSI x 1/2" PIPE x 1/2" SAE 3000 PSI
>>>>>5	33050637	2	BLANKING PLUG - INNER HEXAGON PLUG with SEAL (VSR1WD)
>>>>>5	50003357	1	TRANSPORT LINK ASSY
>>>>>6	07401616	6	NUT - M16 HEX FULL BZP TO DIN 934
>>>>>6	07451622	6	WASHER - M16 SPRING REC SEC ZINC
>>>>>6	50003348	1	TRANSPORT EAR W'MENT
>>>>>6	50003354	6	PLATE - RING - 24 I/D 45 O/D 5 THK (OILON)
>>>>>6	50003355	6	WASHER - 17 I/D 45 O/D 4 THK
>>>>>5	65050014	4	LOCATING PIN W'MENT - 65020032 AND 66040004 Z/P
>>>>>5	65050015	4	LOCATING PIN W'MENT - 65020035 AND 66040004 Z/P
>>>>>5	65060102	2	PIN SPECIAL - 38 DIA 145 LG
>>>>>5	66031303	56	PIPE/GREASE CLAMP - TRIPLE
>>>>>5	66031313	2	BLANK PIPE CLAMP INSERT
>>>>>5	66031316	16	PLATE - TRIPLE PIPE CLAMP COVER
>>>>>5	71060018	2	O RING - 34.5 I/D x 3 DIA
>>>>>5	71300005	4	SEAL - SAE FLANGE - 1"
>>>>>5	71300006	2	SEAL - SAE FLANGE - 1 1/4"
>>>>>5	71300060	4	SEAL - SAE FLANGE - 1/2"
>>>>>5	85010844	8	OILON PAD - 290 X 100 X 12
>>>>>5	86000735	1	GREASE INSERT - 60 LG
>>>>>5	86000737	1	GREASE INSERT - 70 LG
>>>>>5	86002339	4	PLATE - BOLTED ENERGY CHAIN GUIDE
>>>>>5	89020550	16	PLATE - PIPE CLAMP SPACER (3W) - (15 THK)
>>>>>5	97010059	2	BUSH - 100 I/D 115 O/D 153 LG (BRONZE AB2)
>>>>>5	97071601	1	DIVERTER ES000027 & 24VDC COIL
>>>>>5	97084226	1	COMPRESSION FITTING - GV22L - STRAIGHT CONNECTOR - STAINLESS STEEL - 22mm Joiner / Coupling
>>>>>4	21071740	1	TELEBOOM TOP SECTION ASSY
>>>>>5	07050004	3	BOLT - M20 X 35 HEX HD 8.8 BZP TO DIN 931
>>>>>5	07051607	2	BOLT - M16 X 50 HEX HD 8.8 BZP TO DIN 931
>>>>>5	07051609	8	BOLT - M16 X 60 HEX HD 8.8 ZINC TO DIN 931
>>>>>5	07330802	8	BOLT - M8 X 25 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331003	8	BOLT - M10 X 30 SKT CAP HD BZP 12.9 TO DIN 912
>>>>>5	07331004	8	BOLT - M10 X 35 SKT CAP HD BZP 12.9 TO DIN 912
>>>>>5	07331203	6	BOLT - M12 X 30 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331204	8	BOLT - M12 X 35 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331206	40	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07331212	8	BOLT - M12 X 75 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07331213	4	BOLT - M12 X 80 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07331215	8	BOLT - M12 X 100 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07331404	8	BOLT - M14 X 35 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07331407	16	BOLT - M14 X 50 CAP HD SKT ZINC 12.9 TO DIN 912
>>>>>5	07361203	4	SCREW - M12 X 30mm LG CSK SKT HD SET ZINC
>>>>>5	07381204	24	SCREW - M12 X 35mm HEX LG HT SET BZP
>>>>>5	07401614	8	NUT - M16 NYLOC TYPE T BZP TO DIN 985
>>>>>5	07451220	24	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>>>5	07451221	8	WASHER - M12 HEICO LOCK WASHER
>>>>>5	07451222	50	WASHER - M12 STL SPRING REC SEC ZINC
>>>>>5	07451422	8	WASHER - M14 BZP SQ SEC SPRING
>>>>>5	07451620	18	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>>>5	07451622	2	WASHER - M16 SPRING REC SEC ZINC
>>>>>5	07452020	3	WASHER - M20 PLAIN TYPE A ZINC TO DIN 125A
>>>>>5	07452022	3	WASHER - M20 SQ SEC SPRING BZP
>>>>>5	07660004	24	PLATE - SHIM - 1 THK
>>>>>5	11201392	1	CABLE CHAIN ROLLER GUIDE ASSY - (1 ROLLER) 3 SECTION E4.80 CABLE CHAIN
>>>>>6	07050004	4	BOLT - M20 X 35 HEX HD 8.8 BZP TO DIN 931
>>>>>6	07053055	2	BOLT - M30 X 200 HEX HD 10.9 S/C TO DIN 931

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when ordering spare parts!

>>>>>6	07402014	2	NUT - M20 NYLOC TYPE T BZP TO DIN 985
>>>>>6	07403014	2	NUT - M30 NYLOC TYPE T BZP TO DIN 985
>>>>>6	07452020	6	WASHER - M20 PLAIN TYPE A ZINC TO DIN 125A
>>>>>6	07452022	4	WASHER - M20 SQ SEC SPRING BZP
>>>>>6	11201393	1	ROLLER BRACKET W'MENT - TOP
>>>>>6	11201395	2	ROLLER - 70 O/D
>>>>>6	11312186	1	ROLLER BRACKET W'MENT - BOTTOM
>>>>>6	11312190	10	ROLLER - 70 O/D 31 I/D 115 LG
>>>>>6	65060097	2	SPECIAL PIN W'MENT- 715 X 30 DIA FOR 50M TELE BOOM CABLE CHAIN GUIDE ROLLERS
>>>>>5	18120691	2	ROLLER ASSY - TELERAM
>>>>>6	07051003	1	BOLT - M10 X 30 HEX HD 8.8 BZP TO DIN 931
>>>>>6	07451020	1	WASHER - M10 PLAIN TYPE A ZINC TO DIN 125A
>>>>>6	07451022	1	WASHER - M10 ZINC SQ SPRING
>>>>>6	11240097	1	ROLLER - 125 O/D
>>>>>6	18120692	1	ROLLER GUIDE W'MENT - TELERAM
>>>>>6	65050023	1	TAGGED PIN W'MENT - 30 DIA X 137 LG
>>>>>5	21071671	1	TELEBOOM TOP SECTION FURN W'MENT
>>>>>5	65030087	1	TAGGED PIN W'MENT - 100 DIA X 556 LG
>>>>>5	65040095	1	TAGGED CRADLE PIN W'MENT - 110 DIA x 705 LG
>>>>>5	66031301	4	PIPE/GREASE CLAMP - SINGLE
>>>>>5	66031302	4	PIPE/GREASE CLAMP - DOUBLE
>>>>>5	66031314	2	PLATE - SINGLE PIPE CLAMP COVER
>>>>>5	66031315	2	PLATE - DOUBLE PIPE CLAMP COVER
>>>>>5	66031324	2	PIPE CLAMP SPACER 1W (30 THK)
>>>>>5	66031331	2	PIPE CLAMP SPACER 2W (30 THK) - TO SUIT (66031302)
>>>>>5	66040108	1	PLATE - PIN RETAINING DISC - 110 DIA 10 THK
>>>>>5	66040127	1	PLATE - TAGGED PIN RETAINER (TO SUIT BLOCK - 66040126)
>>>>>5	71300005	6	SEAL - SAE FLANGE - 1"
>>>>>5	71300006	2	SEAL - SAE FLANGE - 1 1/4"
>>>>>5	85010013	12	OILON PAD ASSY - 100 x 200 x 12 THK - 2 INSERTS M12 x 10 LG
>>>>>6	85010183	1	OILON PAD - 200 x 100 x 12
>>>>>6	85010184	2	OILON PAD INSERT
>>>>>5	89020946	2	ANGLED ADAPTOR - 1 1/4" 6000 SAE - 13 DEGREE
>>>>>5	89021048	1	MANIFOLD W'MENT - DEMO DIPPER
>>>>>4	65010214	1	PLAIN PIN - 55 DIA x 686 LG
>>>>>4	65050776	1	TAGGED PIN W'MENT - 80 DIA 562 LG
>>>>>4	71271901	1	CYLINDER ASSY DRESSED - 105 R 140 B 5800 C 4800 S 10600 O
>>>>>5	07050604	5	BOLT - M6 X 35 HEX HD HT8.8 ZINC TO DIN 931
>>>>>5	07050806	4	BOLT - M8 X 45 HEX HD 8.8 ZINC TO DIN 931
>>>>>5	07331005	4	BOLT - M10 X 40 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>5	07450822	4	WASHER - M8 BZP SQ SPRING
>>>>>5	07451022	4	WASHER - M10 ZINC SQ SPRING
>>>>>5	33002718	1	16S PIPE W'MENT (4300 LG)
>>>>>5	33050009	5	ADAPTOR - 1/2" BSP X 1/2" BSP MALE UNION
>>>>>5	33050050	1	ADAPTOR - 1/2" BSP FEMALE X 1/2" BSP MALE 90 DEG ELBOW SWIVEL CONNECTOR
>>>>>5	33050332	1	ADAPTOR - 1/2" BSP FEMALE X 1/2" BSP FEMALE SWIVEL UNION TEE
>>>>>5	33050361	1	ADAPTOR - 1/4" BSP MALE PLUG
>>>>>5	33050363	2	ADAPTOR - 1/2" BSP MALE PLUG
>>>>>5	33050401	1	SEAL 1/4" BONDED DOWTY WASHER
>>>>>5	33050403	6	SEAL 1/2" BONDED DOWTY
>>>>>5	33050856	1	ADAPTOR - 1/2" BSPP MALE PLUG (680 BAR WP)
>>>>>5	66030221	5	PIPE CLAMP COVER PLATE - 15mm 2W
>>>>>5	66030222	10	PIPE CLAMP BODY - 15MM TWIN (TWIN CLAMP HALVES RBPR 215) (PAIR)
>>>>>5	71271902	1	CYLINDER ASSY - 105 R 140 B 5800 C 4800 S 10600 O
>>>>>6	07120151	2	GREASE NIPPLE - 1/8" BSP HP4 MBF-01901C
>>>>>6	07331232	1	BOLT - M12 X 16 CAP HD SKT BZP 12.9 TO DIN 912
>>>>>6	71060008	1	PISTON LOCK NUT - M62 x 3
>>>>>6	71080043	2	O RING - 105.0 I/D x DIA 3.0 - NBR70
>>>>>6	71080057	1	SEAL - MAIN GLAND - 105 I/D X 125 O/D X 12 WIDE
>>>>>6	71080058	1	SEAL - SECONDARY GLAND - 105 I/D X 120.5 O/D X 6.3 WIDE
>>>>>6	71080059	4	SEAL - GUIDE - 105 I/D X 110 O/D X 14.8 WIDE
>>>>>6	71090093	1	SEAL - WIPER - 105 ROD X 121 O/D X 9 WIDE
>>>>>6	71200037	2	SEAL - PISTON GUIDE - 140 BORE X 133 I/D X 20 WIDE
>>>>>6	71200039	1	SEAL - PISTON MAIN - 140 BORE X 119 I/D X 8 WIDE
>>>>>6	71200170	2	SEAL - STATIC GLAND - 134.1 I/D 140 O/D 4.9 WIDE
>>>>>6	71270997	1	SEAL - O RING - 70 I/D X 3.0 DIA
>>>>>6	71270998	2	SEAL - BACK UP RING - 70 I/D X 75 O/D X 1.3 THK
>>>>>6	71271383	1	PISTON - FOR 140 BORE
>>>>>6	71271389	1	GLAND - FOR 105 ROD x 140 BORE
>>>>>6	71271393	1	SPACER - 105.5 I/D 125 O/D 470 LG
>>>>>6	71271903	1	ROD W'MENT - 105 DIA x 5650 LG
>>>>>6	71271905	1	CYLINDER TUBE W'MENT - 140 B
>>>>>6	71300015	1	O RING - 154.5 I/D X 3 DIA NBR70-36624 - BS4518-1545-30 BLACK
>>>>>6	71300078	2	DUST SEAL - 80 I/D 95 O/D 5 THK (SEE INFO)
>>>>>6	85010917	1	CIRCLIP - (CIRTEQ RB120)
>>>>>6	97010250	2	BUSH - 80 I/D 95 O/D 40 LG (BRONZE AB2)
>>>>>6	97010251	1	BUSH SPACER (GREASED) - 84 I/D 95 O/D 16 LG
>>>>>5	71300004	1	SEAL - SAE FLANGE - 3/4"
>>>>>5	89020878	1	MANIFOLD - 3/4" SAE 3000 PSI (TO SUIT 97071553)

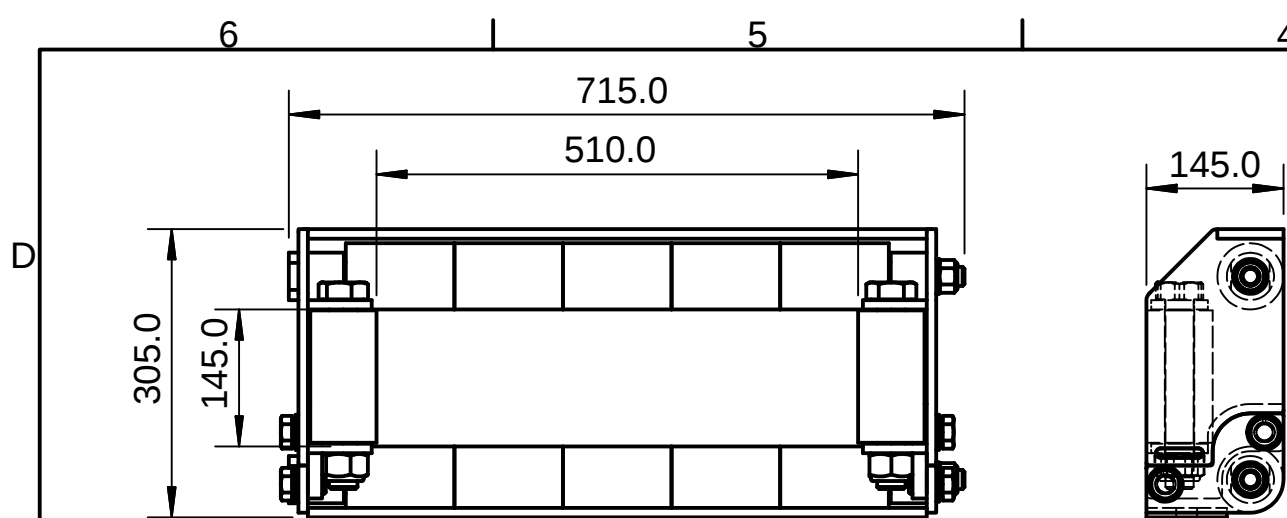
Remember; always quote your "SM" reference number
when ordering spare parts!

>>>>5	97071553	1	OVERCENTRE VALVE - SINGLE ACTING - 100 - 350 BAR 60 L/MIN
>>>>5	97071602	1	RELIEF VALVE 3/8" BSP CP000082 & AFTUK00195
>>>>5	97071603	1	CHECK VALVE 1/2" BSP 0.5 BAR (ANTI CAV)
>>>>4	97021219	1	ENERGY CHAIN ASSY - DOUBLE COMPARTMENT - 11220 OPEN 6420 CLOSED 4800 STROKE
>>>>5	97021162	2	ENERGY CHAIN - MOUNTING BRACKET MALE ASSY - DOUBLE COMPARTMENT
>>>>6	97021143	1	ENERGY CHAIN - CENTRE STRAP BRACKET MALE E4.800M.10
>>>>6	97021144	2	ENERGY CHAIN - BRACKET SIDE PIECE (MALE) E4.800.10
>>>>6	97021149	4	ENERGY CHAIN - CROSSBAR 150mm 450.15
>>>>5	97021163	45	ENERGY CHAIN INNER RADIUS LINK ASSY - DOUBLE COMPARTMENT - SINGLE LINK / 111mm LENGTH
>>>>6	97021146	2	ENERGY CHAIN - INNER RADIUS LINK E4.80.02.350
>>>>6	97021148	1	ENERGY CHAIN - INNER RADIUS CENTRE STRAP LINK E4.80M.02.350.0
>>>>6	97021149	4	ENERGY CHAIN - CROSSBAR 150mm 450.15
>>>>5	97021164	46	ENERGY CHAIN OUTER RADIUS LINK ASSY - DOUBLE COMPARTMENT - SINGLE LINK / 111mm LENGTH
>>>>6	97021145	2	ENERGY CHAIN - OUTER LINK E4.80.01
>>>>6	97021147	1	ENERGY CHAIN PART - OUTER CENTRE STRAP LINK E4.80M.01
>>>>6	97021149	4	ENERGY CHAIN - CROSSBAR 150mm 450.15
>>>>4	97084056	1	MOBILE PLATE + FEMALE COUPLINGS - 10 WAY
>>>>5	97084061	10	FEMALE 1/2" COUPLING - FOR CONNECTOR - (MOBILE CARRIER)
>>>>5	97084064	1	MOBILE10 WAY PLATE WITHOUT COUPLINGS GR10-9 ZF
>>>3	65020055	1	HEADED PIN - 100 DIA X 757 LG
>>>3	66012100	1	COLLAR - BEVELLED 100mm I/D + HOLE (YP)
>>>3	66012101	1	COLLAR BEVELLED 100mm I/D NO HOLE (YP)
>>>2	31021886	1	CRADLE ASSY - 30m 2 SECTION TELERIG (KOBELCO SK500LC-9)
>>>3	7051603	16	BOLT - M16 x 30 HEX HD 8.8 BZP
>>>3	7052427	2	M24 X 200mm LONG HEX BOLT Y/P
>>>3	7052428	2	BOLT - M24 X 220 HEX HD 8.8 BZP
>>>3	7402414	4	M24 NYLOC TYPE (T) Y/P
>>>3	7451620	16	WASHER - M16 PLAIN
>>>3	7452720	8	WASHER - M27 PLAIN TYPE A
>>>3	31020238	2	WOOD BLOCK - 100 X 50 X 645
>>>3	31020619	2	CRADLE ARM - W'MENT
>>>3	31021613	1	CRADLE SUB W'MENT
>>>3	31021887	1	CRADLE W'MENT - 30m 2 SECTION TELERIG (KOBELCO SK500LC-9)
>>>3	31022627	1	CRADLE BRACE W'MENT
>>>3	31022630	1	SHS - 100 x 100 x 5 x 1300 LG (SLOTTED)
>>>2	71271868	1	DRESSED CYLINDER ASSY - RH - 105 R 160 B 2650 C 2075 S 4725 O
>>>3	07051609	2	BOLT - M16 X 60 HEX HD 8.8 ZINC TO DIN 931
>>>3	07331205	4	BOLT - M12 X 40 SKT CAP HD BZP 12.9 TO DIN 912
>>>3	07331206	4	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331213	4	BOLT - M12 X 80 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331216	4	BOLT - M12 X 110 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331219	4	BOLT - M12 X 140 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331419	4	BOLT - M14 X 140 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07401614	2	NUT - M16 NYLOC TYPE T BZP TO DIN 985
>>>3	07451220	4	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>3	07451222	20	WASHER - M12 STL SPRING REC SEC ZINC
>>>3	07451620	4	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>3	33050002	1	ADAPTOR - 1/4" BSP MALE X 1/4" BSP MALE UNION
>>>3	33050402	1	SEAL 3/8" BONDED DOWTY WASHER
>>>3	33050404	1	SEAL 3/4" BONDED DOWTY
>>>3	33050858	1	ADAPTOR - 3/4" BSPP MALE PLUG (680 BAR WP)
>>>3	71271870	1	CYLINDER ASSY - RH - 105 R 160 B 2650 C 2075 S 4725 O
>>>>4	07120151	2	GREASE NIPPLE - 1/8" BSP HP4 MBF-01901C
>>>>4	07120152	1	GREASE NIPPLE - 1/4" BSP
>>>>4	07331616	17	BOLT - M16 X 100 CAP HD SKT SELF COLOUR 12.9 TO DIN 912
>>>>4	07451622	17	WASHER - M16 SPRING REC SEC ZINC
>>>>4	71080056	2	SEAL - BACKUP RING - 90 I/D X 95 O/D X 1.3 WIDE
>>>>4	71080057	1	SEAL - MAIN GLAND - 105 I/D X 125 O/D X 12 WIDE
>>>>4	71080058	1	SEAL - SECONDARY GLAND - 105 I/D X 120.5 O/D X 6.3 WIDE
>>>>4	71080059	3	SEAL - GUIDE - 105 I/D X 110 O/D X 14.8 WIDE
>>>>4	71090006	1	LOCK NUT - LH M70 X 105 O/D 20 LG
>>>>4	71090008	1	LOCK WASHER - 71 I/D 105 O/D 1.2 LG
>>>>4	71090073	1	O RING - 90 I/D x 3 DIA
>>>>4	71090086	2	SEAL - PISTON GUIDE - 160 BORE X 153 I/D X 20 WIDE
>>>>4	71090087	1	SEAL - PISTON MAIN - 160 BORE X 140.5 I/D X 16 WIDE
>>>>4	71090089	1	O RING - 149.3 I/D x 5.7 DIA (FPM75-51414-ERIK)
>>>>4	71090093	1	SEAL - WIPER - 105 ROD X 121 O/D X 9 WIDE
>>>>4	71090227	1	CUSHION RING - 90.2 I/D X 114.85 O/D X 63 LG
>>>>4	71271773	1	SEAL - BACKUP RING - 150 I/D X 160 O/D X 1.6-1.8 THK - BS 1493-57 (SUITS O-RING 71090089)
>>>>4	71271788	1	PISTON - FOR 105 ROD x 160 BORE
>>>>4	71271872	1	CYLINDER TUBE W'MENT - 160 BORE
>>>>4	71271874	1	ROD W'MENT - 105 ROD
>>>>4	71271876	1	GLAND - 105 ROD x 160 BORE
>>>>4	71990173	4	DUST SEAL - 100 I/D 115 O/D 7 THK
>>>>4	85010917	1	CIRCLIP - (CIRTEQ RB120)
>>>>4	97010135	4	BUSH - 100 I/D 115 O/D 50 LG (BRONZE AB2)
>>>>4	97010252	1	BUSH SPACER (GREASED) - 104 I/D 115 O/D 14 LG
>>>3	71300005	3	SEAL - SAE FLANGE - 1"
>>>3	71300006	1	SEAL - SAE FLANGE - 1 1/4"

Remember; always quote your "SM" reference number
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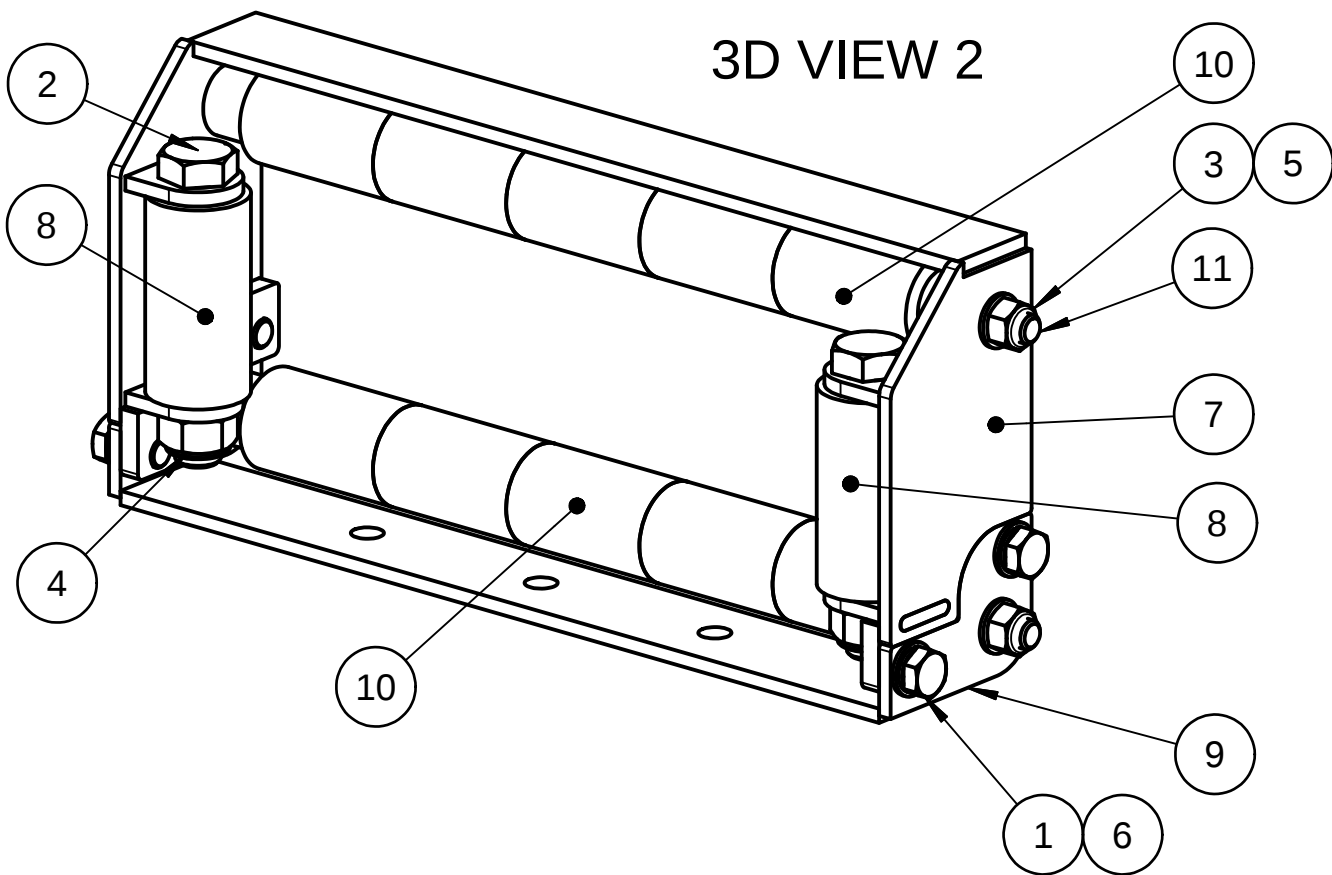
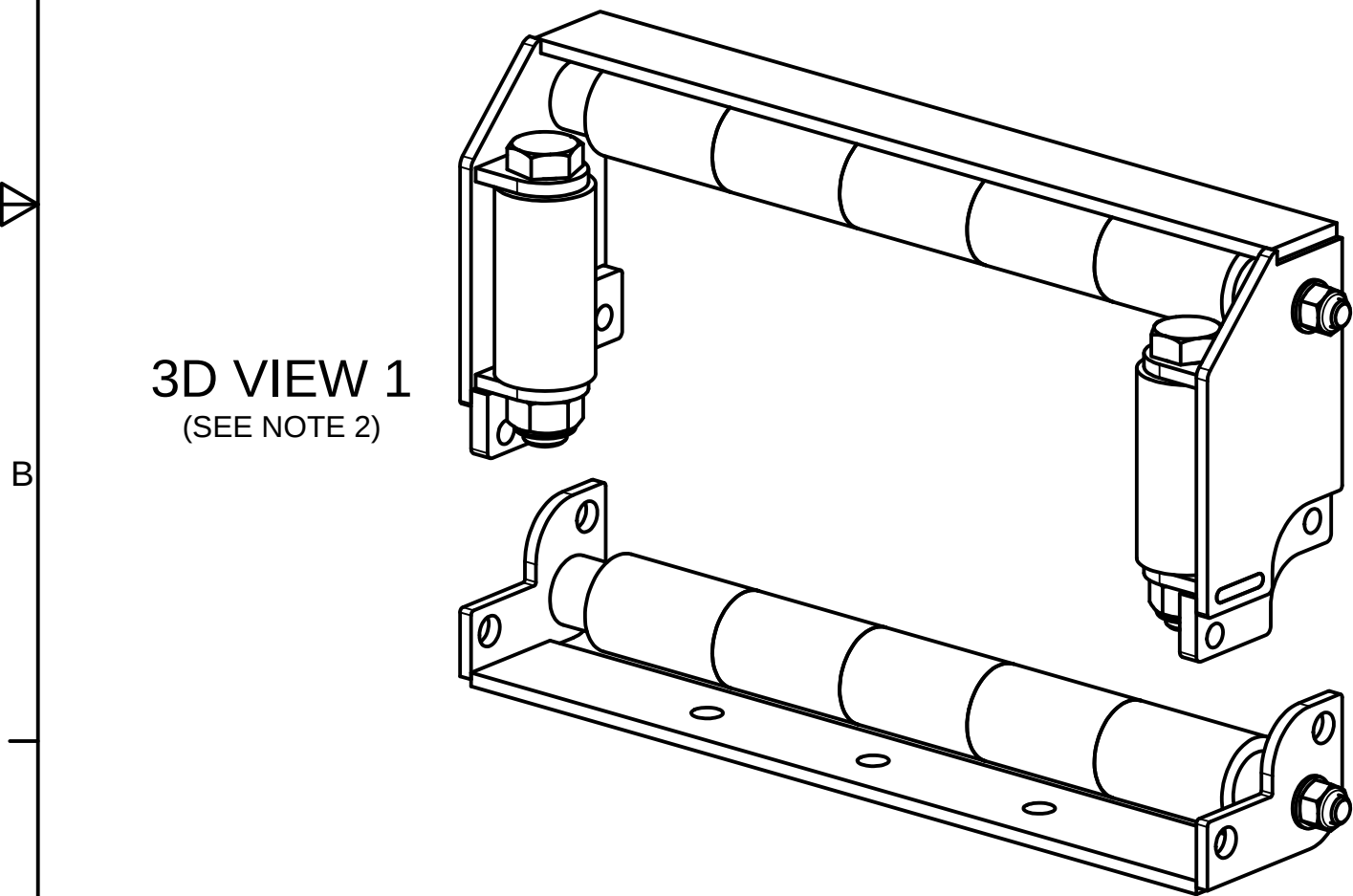
>>>3	86001596	1	PLATE - HALF CLAMP - TO SUIT 190 O/D TUBE
>>>3	86002482	1	PLATE - HALF CLAMP - TO SUIT 190 O/D TUBE
>>>3	89020043	1	PILOT SIGNAL BLANKING PLATE 1" 6000 PSI + 1/4" BSP TAPPED (YP)
>>>3	89020365	1	PORT SPACER 1 1/4" 6000 60mm THK
>>>3	89020906	1	MANIFOLD BLOCK - 1" 6000 SAE
>>>3	89020943	1	PORT SPACER - 1" 6000 SAE - 90mm
>>>3	97071231	4	HOSE FLANGE SPLIT 1" 6000 SERIES
>>>3	97071510	1	CHECK VALVE + RELEIF CARTRIDGE - ANTI-DROP - 1" 6000 PSI
>>>3	97071511	1	VALVE OVERCENTRE + RELEIF CARTRIDGE BZP&YP BOOM LOCK CONTROL 5 - 1 VENTED O/C 1 1/4"
>>>2	71271869	1	DRESSED CYLINDER ASSY - LH - 105 R 160 B 2650 C 2075 S 4725 O
>>>3	07051609	2	BOLT - M16 X 60 HEX HD 8.8 ZINC TO DIN 931
>>>3	07331205	4	BOLT - M12 X 40 SKT CAP HD BZP 12.9 TO DIN 912
>>>3	07331206	4	BOLT - M12 X 45 CAP HD SKT ZINC 12.9 TO DIN 912
>>>3	07331214	4	BOLT - M12 X 90 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331216	4	BOLT - M12 X 110 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331219	4	BOLT - M12 X 140 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07331419	4	BOLT - M14 X 140 CAP HD SKT BZP 12.9 TO DIN 912
>>>3	07401614	2	NUT - M16 NYLOC TYPE T BZP TO DIN 985
>>>3	07451220	4	WASHER - M12 PLAIN TYPE A ZINC TO DIN 125A
>>>3	07451222	20	WASHER - M12 STL SPRING REC SEC ZINC
>>>3	07451620	4	WASHER - M16 PLAIN TYPE A BZP TO DIN 125A
>>>3	33050002	1	ADAPTOR - 1/4" BSP MALE X 1/4" BSP MALE UNION
>>>3	33050402	1	SEAL 3/8" BONDED DOWTY WASHER
>>>3	33050404	1	SEAL 3/4" BONDED DOWTY
>>>3	33050858	1	ADAPTOR - 3/4" BSPP MALE PLUG (680 BAR WP)
>>>3	71271871	1	CYLINDER ASSY - LH - 105 R 160 B 2650 C 2075 S 4725 O
>>>4	07120151	2	GREASE NIPPLE - 1/8" BSP HP4 MBF-01901C
>>>4	07120152	1	GREASE NIPPLE - 1/4" BSP
>>>4	07331616	17	BOLT - M16 X 100 CAP HD SKT SELF COLOUR 12.9 TO DIN 912
>>>4	07451622	17	WASHER - M16 SPRING REC SEC ZINC
>>>4	71080056	2	SEAL - BACKUP RING - 90 I/D X 95 O/D X 1.3 WIDE
>>>4	71080057	1	SEAL - MAIN GLAND - 105 I/D X 125 O/D X 12 WIDE
>>>4	71080058	1	SEAL - SECONDARY GLAND - 105 I/D X 120.5 O/D X 6.3 WIDE
>>>4	71080059	3	SEAL - GUIDE - 105 I/D X 110 O/D X 14.8 WIDE
>>>4	71090006	1	LOCK NUT - LH M70 X 105 O/D 20 LG
>>>4	71090008	1	LOCK WASHER - 71 I/D 105 O/D 1.2 LG
>>>4	71090073	1	O RING - 90 I/D x 3 DIA
>>>4	71090086	2	SEAL - PISTON GUIDE - 160 BORE X 153 I/D X 20 WIDE
>>>4	71090087	1	SEAL - PISTON MAIN - 160 BORE X 140.5 I/D X 16 WIDE
>>>4	71090089	1	O RING - 149.3 I/D x 5.7 DIA (FPM75-51414-ERIK)
>>>4	71090093	1	SEAL - WIPER - 105 ROD X 121 O/D X 9 WIDE
>>>4	71090227	1	CUSHION RING - 90.2 I/D X 114.85 O/D X 63 LG
>>>4	71271773	1	SEAL - BACKUP RING - 150 I/D X 160 O/D X 1.6-1.8 THK - BS 1493-57 (SUITS O-RING 71090089)
>>>4	71271788	1	PISTON - FOR 105 ROD x 160 BORE
>>>4	71271872	1	CYLINDER TUBE W'MENT - 160 BORE
>>>4	71271874	1	ROD W'MENT - 105 ROD
>>>4	71271876	1	GLAND - 105 ROD x 160 BORE
>>>4	71990173	4	DUST SEAL - 100 I/D 115 O/D 7 THK
>>>4	85010917	1	CIRCLIP - (CIRTEQ RB120)
>>>4	97010135	4	BUSH - 100 I/D 115 O/D 50 LG (BRONZE AB2)
>>>4	97010252	1	BUSH SPACER (GREASED) - 104 I/D 115 O/D 14 LG
>>>3	71300005	3	SEAL - SAE FLANGE - 1"
>>>3	71300006	1	SEAL - SAE FLANGE - 1 1/4"
>>>3	86001596	1	PLATE - HALF CLAMP - TO SUIT 190 O/D TUBE
>>>3	86002482	1	PLATE - HALF CLAMP - TO SUIT 190 O/D TUBE
>>>3	89020043	1	PILOT SIGNAL BLANKING PLATE 1" 6000 PSI + 1/4" BSP TAPPED (YP)
>>>3	89020365	1	PORT SPACER 1 1/4" 6000 60mm THK
>>>3	89020906	1	MANIFOLD BLOCK - 1" 6000 SAE
>>>3	89020943	1	PORT SPACER - 1" 6000 SAE - 90mm
>>>3	97071231	4	HOSE FLANGE SPLIT 1" 6000 SERIES
>>>3	97071510	1	CHECK VALVE + RELEIF CARTRIDGE - ANTI-DROP - 1" 6000 PSI MB001201
>>>3	97071511	1	VALVE OVERCENTRE + RELEIF CARTRIDGE BZP&YP BOOM LOCK CONTROL 5 - 1 VENTED O/C 1 1/4"
>1	21071327	1	DATASHEET - RANGE - 2 PC TELEDEMO (30m) - KOBELCO SK500LC-9
>1	21071659	1	DATASHEET - LOADING - THRD (30m) - KOBELCO SK520LC-11
>1	21071660	1	SCHEMATIC - ELECTRIC
>1	21071661	1	SCHEMATIC - HYDRAULIC
>1	21071662	1	SPARES CATALOGUE - 30m 2PC TELEDEMO - KOBELCO SK500
>1	21071663	1	OPERATORS MANUAL
>1	21071664	1	CALCULATION DOCUMENT

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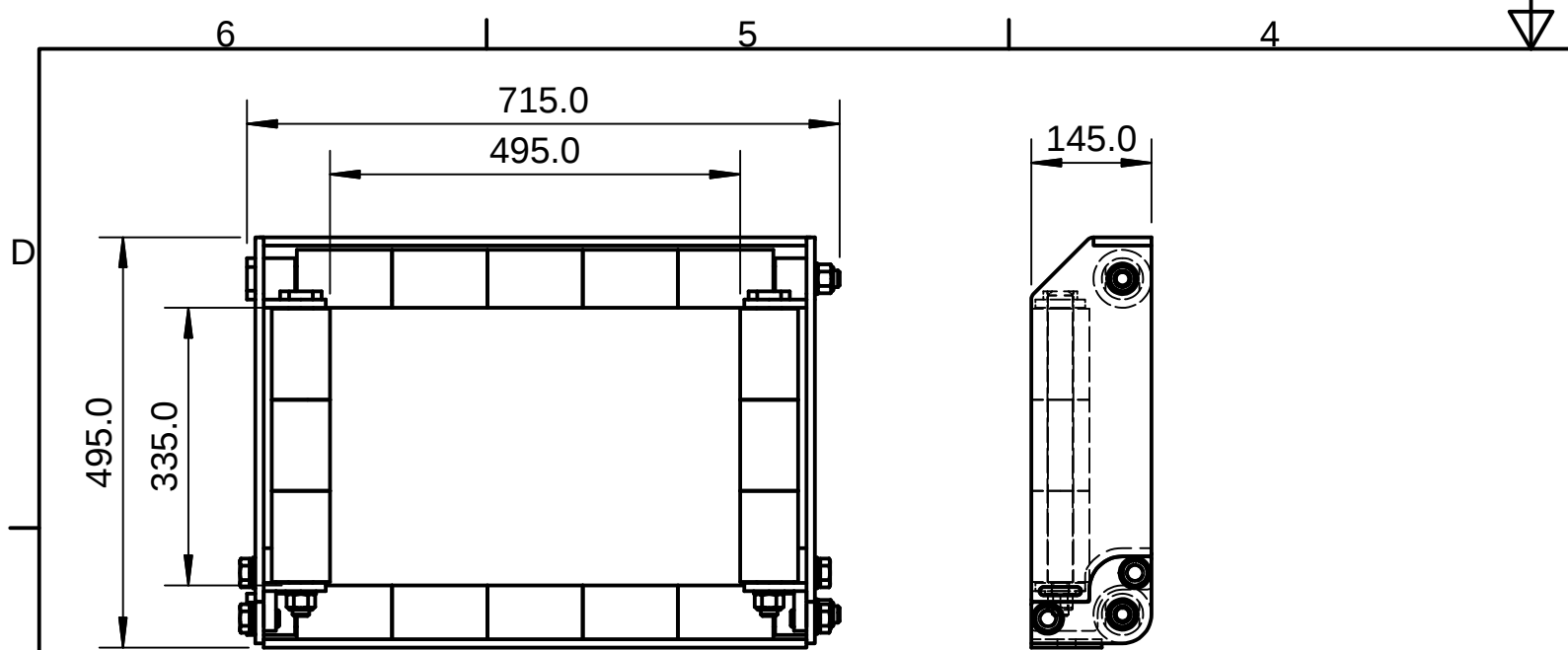


3		2		1	
ITEM	PART No	DESCRIPTION		MASS	QTY
1	07050004	M20 x 35 LONG HT BOLT		0.16 kg	4
2	07053055	BOLT - M30 X 200 HEX HD 10.9 BZP		1.37 kg	2
3	07402014	NUT - M20 NYLOC		0.08 kg	2
4	07403014	M30 NYLOC TYPE (T) BZP		0.27 kg	2
5	07452020	WASHER - M20 PLAIN TYPE A		0.02 kg	6
6	07452022	WASHER - M20 SPRING		0.01 kg	4
7	11201393	ROLLER BRACKET W'MENT - TOP		11.43 kg	1
8	11201395	ROLLER - 70 O/D		0.49 kg	2
9	11312186	ROLLER BRACKET W'MENT - BOTTOM		6.47 kg	1
10	11312190	ROLLER - 70 O/D		0.40 kg	10
11	65060097	C.C.R. PIN ASSY		3.93 kg	2

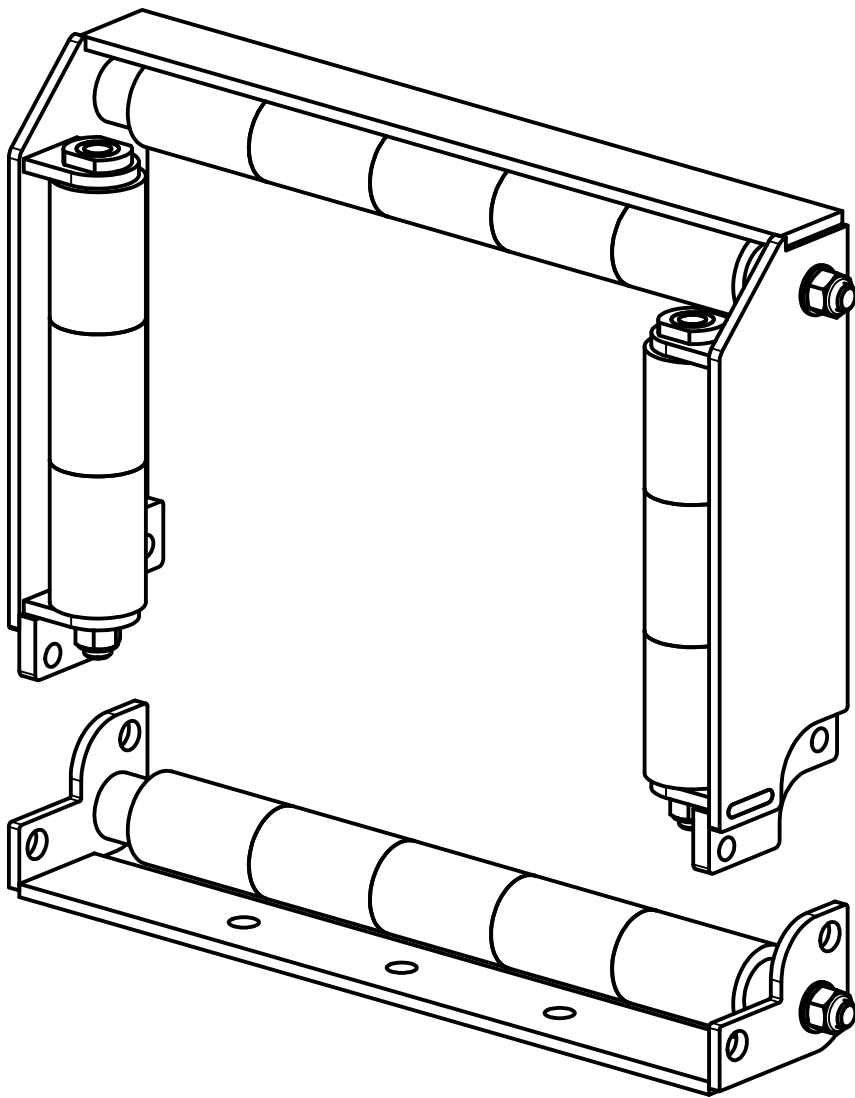
- NOTES:
1. PAINT ALL STEEL COMPONENTS BEFORE ASSY. PAINT TO SUIT WORKS ORDER INSTRUCTIONS.
 2. TOP PART REMOVABLE TO DECREASE TRANSPORT HEIGHT.
 3. CALCULATED APPROXIMATE WEIGHT = 35 kg



1 15/03/13 - HAB ISS DATE MOD DRN				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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN HAB DATE 15/03/13 MATERIAL FINISH SEE NOTES	TITLE CABLE CHAIN ROLLER GUIDE ASSY DRG. NO. 11201392 SHT 1 OF 1
---	--	--	--	--	---	---	--	---	--



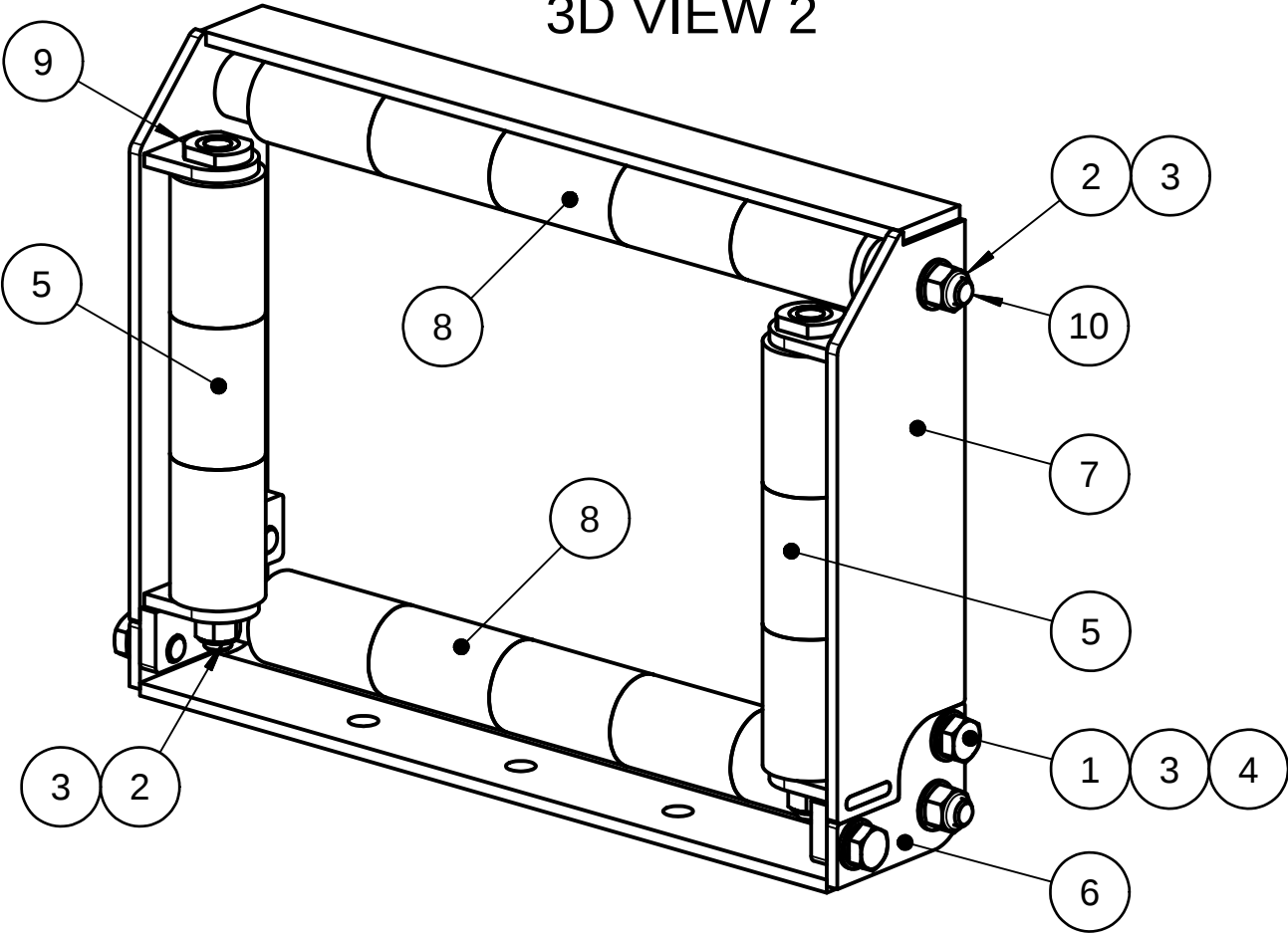
3D VIEW 1
(SEE NOTE 2)



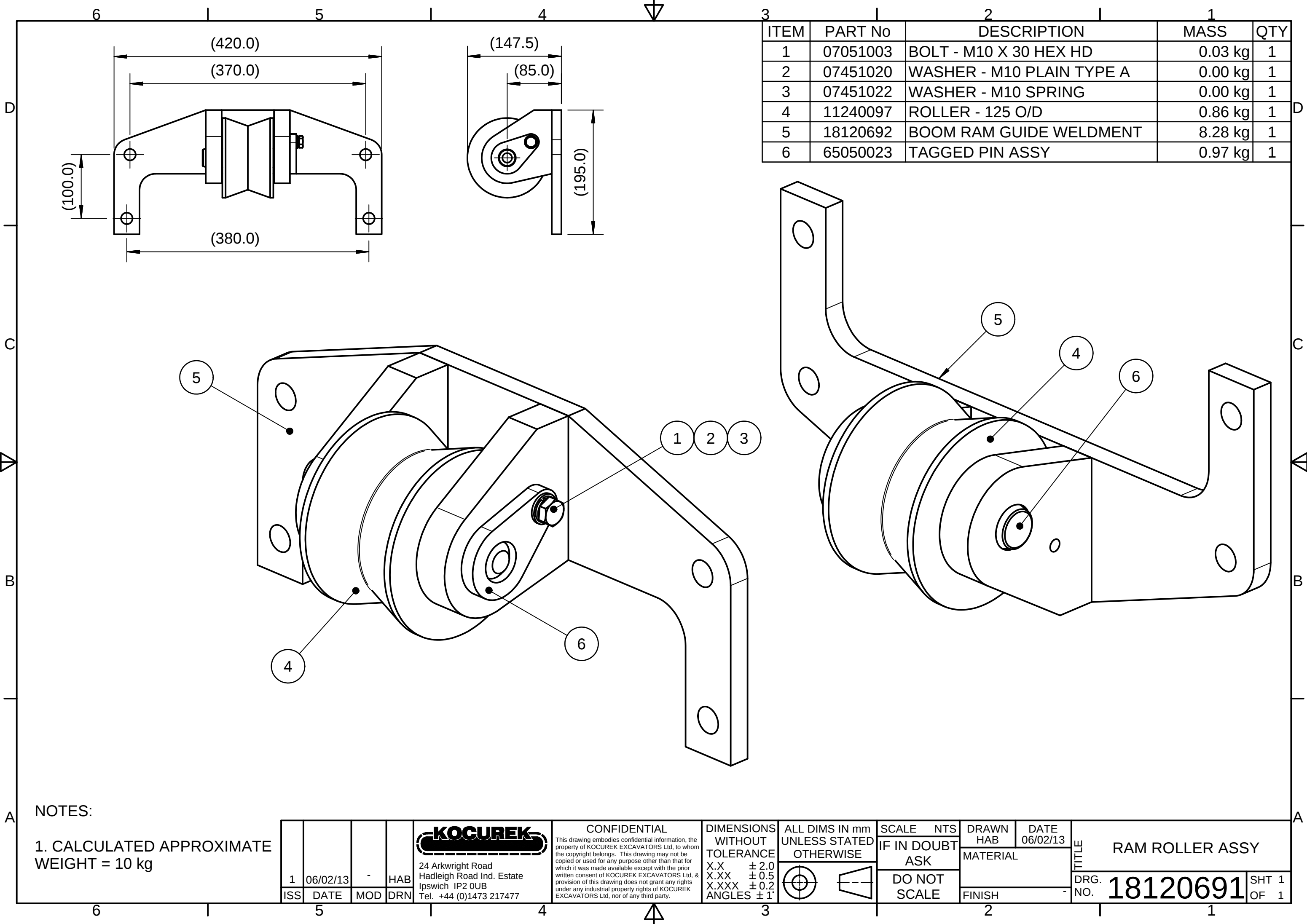
3		2		1	
ITEM	PART No	DESCRIPTION		MASS	QTY
1	07050004	M20 x 35 LONG HT BOLT		0.16 kg	4
2	07402014	NUT - M20 NYLOC		0.08 kg	4
3	07452020	WASHER - M20 PLAIN TYPE A		0.02 kg	8
4	07452022	WASHER - M20 SPRING		0.01 kg	4
5	11240098	ROLLER - 70 O/D		0.38 kg	6
6	11312186	ROLLER BRACKET W'MENT - BOTTOM		6.47 kg	1
7	11312187	ROLLER BRACKET W'MENT - TOP		15.99 kg	1
8	11312190	ROLLER - 70 O/D		0.40 kg	10
9	65060087	C.C.R. PIN ASSY		2.13 kg	2
10	65060097	C.C.R. PIN ASSY		3.93 kg	2

- NOTES:
1. PAINT ALL STEEL COMPONENTS BEFORE ASSY. PAINT TO SUIT WORKS ORDER INSTRUCTIONS.
 2. TOP PART REMOVABLE TO DECREASE TRANSPORT HEIGHT.
 3. CALCULATED APPROXIMATE WEIGHT = 45 kg

3D VIEW 2



1 01/02/13 - HAB ISS DATE MOD DRN				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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN HAB DATE 01/02/13 MATERIAL FINISH SEE NOTES	CABLE CHAIN ROLLER GUIDE ASSY DRG. NO. 11312185 SHT 1 OF 1
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24 Arkwright Road
Hadleigh Road Ind. Estate
Ipswich IP2 0UB
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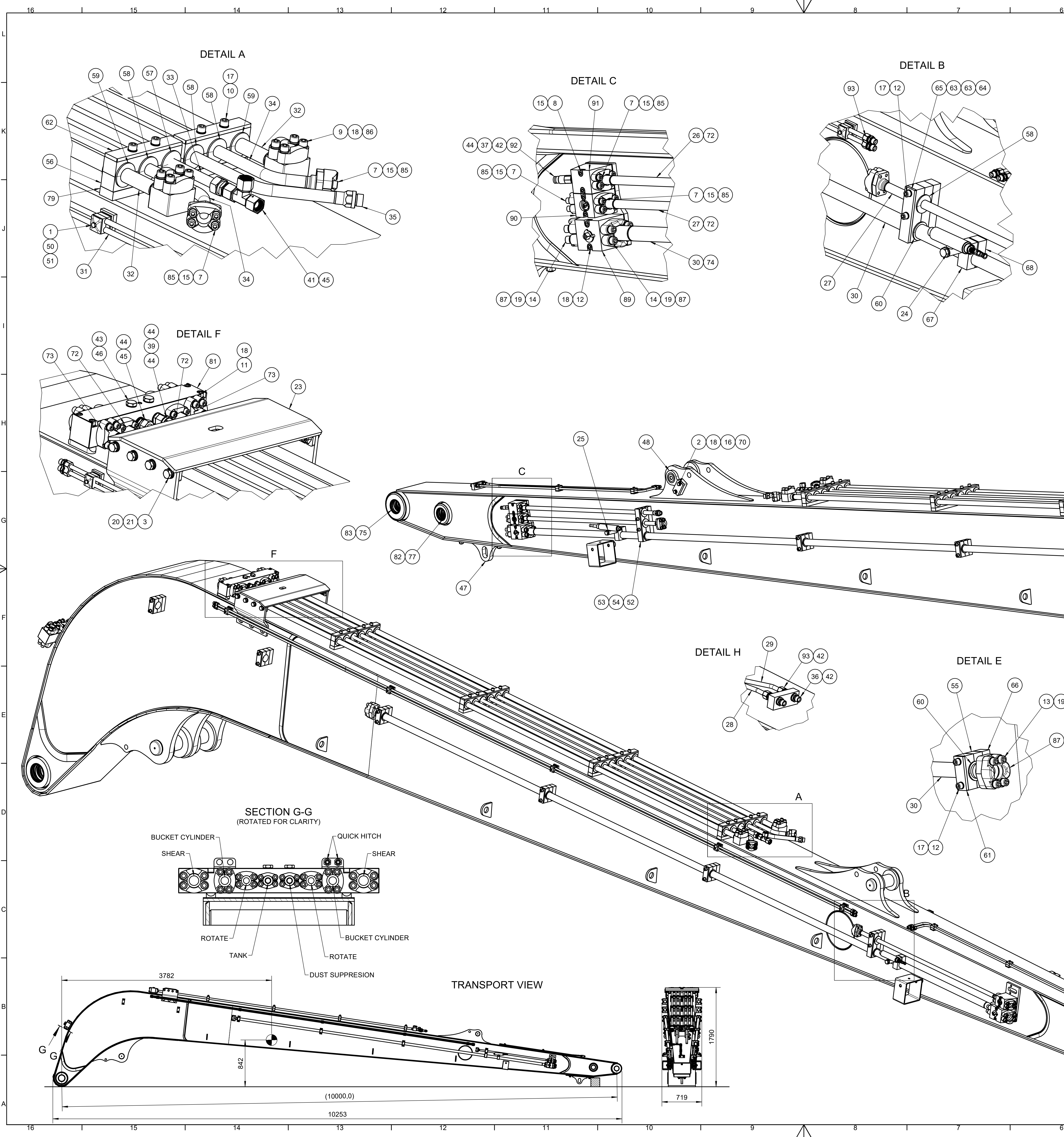
DIMENSIONS WITHOUT TOLERANCE
X.X ±2.0
X.XX ±0.5
X.XXX ±0.2
ANGLES ±1°

ALL DIMS IN mm UNLESS STATED OTHERWISE

SCALE NTS
IF IN DOUBT ASK
DO NOT SCALE

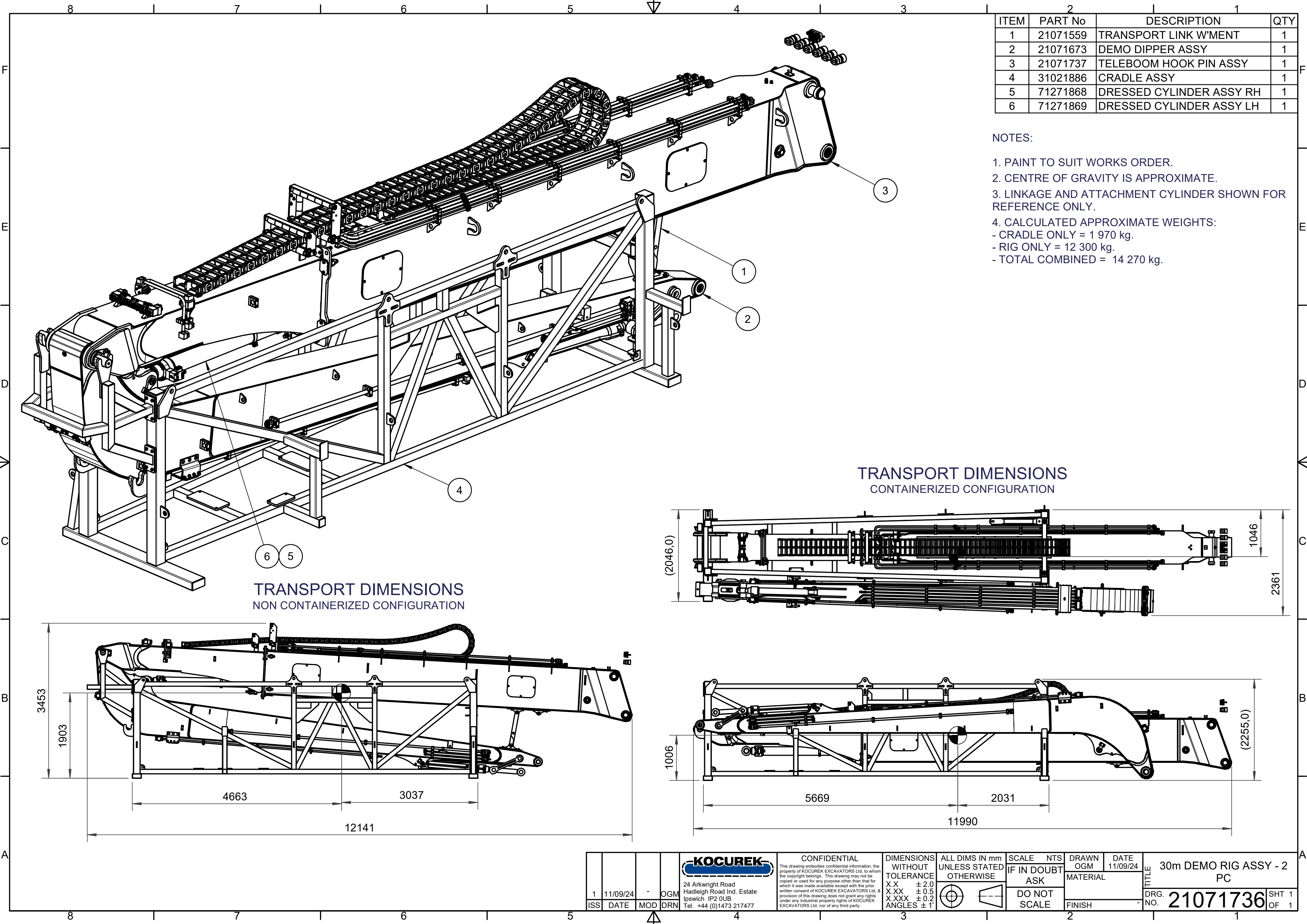
DRAWN HAB
DATE 06/02/13
MATERIAL
FINISH

TITLE RAM ROLLER ASSY
DRG. NO. 18120691
SHT 1 OF 1



ITEM				ITEM			
PART No		DESCRIPTION		PART No		DESCRIPTION	
1	07050604	BOLT - M6 X 35 HEX HD	7	47	50004687	TRANSPORT EAR ASSY	1
2	07051206	BOLT - M12 x 40 HEX HD 8.8 BZP	2	48	65050556	TAGGED PIN W'MENT	1
3	07051606	BOLT - M16 X 45 HEX HD	8	49	65050772	TAGGED PIN W'MENT - 100 DIA x 500	1
4	07051607	BOLT - M16 X 50 HEX HD 8.8 BZP	2	50	66030214	PIPE CLAMP COVER PLT - 8 & 12mm 2W	7
5	07120151	GREASE NIPPLE - 1/8" BSP	2	51	66030215	PIPE CLAMP BODY - 12mm 2W	14
6	07331003	BOLT - M10 x 30 CAP HD SKT BZP 12.9	16	52	66031297	PLATE - TRIPLE PIPE CLAMP COVER (SPECIAL)	1
7	07331004	BOLT - M10 x 35 CAP HD SKT BZP 12.9	68	53	66031298	PIPE CLAMP SPACER - 3W (30 THK)	1
8	07331014	BOLT - M10 x 90 CAP HD SKT BZP 12.9	6	54	66031299	PIPE/GREASE CLAMP TRIPLE	2
9	07331206	BOLT - M12 x 45 CAP HD SKT BZP 12.9	40	55	66031301	PIPE/GREASE CLAMP SINGLE - UNIVERSAL	20
10	07331212	BOLT - M12 x 75 CAP HD SKT BZP 12.9	16	56	66031303	PIPE/GREASE CLAMP TRIPLE - UNIVERSAL	16
11	07331213	BOLT - M12 x 80 CAP HD SKT BZP 12.9	8	57	66031306	SINGLE INSERT (1/2")	4
12	07331215	BOLT - M12 x 100 CAP HD SKT BZP 12.9	28	58	66031307	SINGLE INSERT (3/4")	15
13	07331406	BOLT - M14 x 45 CAP HD SKT BZP 12.9	8	59	66031308	SINGLE INSERT (1")	8
14	07331407	BOLT - M14 x 50 CAP HD SKT BZP 12.9	32	60	66031309	SINGLE INSERT (1 1/4")	8
15	07451022	WASHER - M10 SPRING	90	61	66031314	PLATE - SINGLE PIPE CLAMP COVER	10
16	07451220	WASHER - M12 PLAIN TYPE A	2	62	66031316	PLATE - TRIPLE PIPE CLAMP COVER	8
17	07451221	WASHER - M12 HEICO LOCK	40	63	66031321	PIPE/GREASE CLAMP DOUBLE - 85 CRS	2
18	07451222	WASHER - M12 SQ SPRING	54	64	66031322	PIPE CLAMP SPACER - 2W (30 THK)	1
19	07451422	WASHER - M14 SPRING	40	65	66031323	PLATE - DOUBLE PIPE CLAMP COVER	1
20	07451620	WASHER - M16 PLAIN	10	66	66031324	PIPE CLAMP SPACER 1W (30 THK)	10
21	07451622	WASHER - M16 SPRING	10	67	66031333	ALLY PIPE CLAMP - 1 1/4"	2
22	21071674	DEMO DIPPER FURN W'MENT	1	68	66031334	ALLY PIPE CLAMP - 1 1/4"	2
23	31010787	PIPE GUARD W'MENT	1	69	66040127	PLATE - TAGGED PIN RETAINER	1
24	33001008	DUST SUPPRESSION NOZZLE MOUNT ASSY - RH	1	70	66040134	PLATE - TAGGED PIN RETAINER	1
25	33001009	DUST SUPPRESSION NOZZLE MOUNT ASSY - LH	1	71	71060018	O RING - 34.5 I/D x 3 DIA	1
26	33004385	PIPE W'MENT - 3/4" SAE 6000 PSI / BSP	1	72	71300004	SEAL - SAE FLANGE - 3/4"	5
27	33004386	PIPE W'MENT - 3/4" SAE 6000 PSI	2	73	71300005	SEAL - SAE FLANGE - 1"	2
28	33004387	12L PIPE (BENT)	1	74	71300006	SEAL - SAE FLANGE - 1 1/4"	2
29	33004388	12L PIPE (BENT)	1	75	71300078	DUST SEAL	2
30	33004389	PIPE W'MENT - 1 1/4" SAE 6000 PSI	2	76	71990180	DUST SEAL	2
31	33004390	12L PIPE (BENT)	2	77	71990183	DUST SEAL	2
32	33004391	PIPE W'MENT - 1" SAE 6000 PSI	2	78	86000735	GREASE INSERT - 60 LG	1
33	33004392	22L PIPE SS	1	79	89020836	PLATE - PIPE CLAMP SPACER	8
34	33004393	PIPE W'MENT - 3/4" SAE 6000 PSI	2	80	89020871	MANIFOLD W'MENT - DEMO DIPPER	1
35	33004394	PIPE W'MENT - 3/4" BSP	1	81	89020897	MANIFOLD BLOCK - DEMO DIPPER	1
36	33050006	ADAPTOR - 3/8" BSP M X 3/8" BSP M	2	82	97010248	BUSH - 70 I/D 85 O/D 70 LG	2
37	33050008	ADAPTOR - 3/4" BSP M X 3/8" BSP M	1	83	97010249	BUSH - 80 I/D 95 O/D 80 LG	2
38	33050012	ADAPTOR - 3/4" BSP MALE X 3/4" BSP MALE UNION	2	84	97018423	BUSH - 110 I/D 125 O/D 110 LG	2
39	33050030	HOSE ADAPTOR 1/2" BSP M X 1/2" BSP F	1	85	97071230	3/4" SAE (6000 psi) HOSE SPLIT FLANGE	34
40	33050301	3/8" BSP BULKHEAD	2	86	97071231	1" SAE (6000 psi) HOSE SPLIT FLANGE	20
41	33050333	ADAPTOR - 3/4" BSP FEMALE X 3/4" BSP FEMALE SWIVEL UNION TEE	1	87	97071232	1 1/4" SAE (6000 psi) HOSE SPLIT FLANGE	20
42	33050402	SEAL - 3/8" BSP BONDED DOWTY	5	88	97071233	3/4" SAE (3000 psi) HOSE SPLIT FLANGE	8
43	33050403	SEAL - 1/2" BSP BONDED DOWTY	4	89	97071636	ANGLED 2 WAY BALL VALVE - 1 1/4" SAE 6000 PSI	2
44	33050404	SEAL 3/4" BONDED DOWTY	6	90	97071637	ANGLED 2 WAY BALL VALVE - 3/4" SAE 6000 PSI	2
45	33050490	COMPRESSION FITTING - 3/4" BSP TO 22mm	2	92	97083006	Q/R COUPLING - 3/8" BSP FLAT FACED PROBE	1
46	33050856	ADAPTOR - 1/2" BSPP MALE PLUG (680 BAR WP)	4	93	97084102	COMP FITTING - 12L X 3/8" BSP	8

- NOTES:
1. NOT ALL PARTS SHOWN / LISTED - INCLUDE ALL NECESSARY HOSES, STEEL PIPES, CLAMPS AND FIXINGS.
 2. PIPE TO SUIT WORKS ORDER - SEE WORKS ORDER FOR POSSIBLE ADDITIONAL SERVICES AND INSTRUCTIONS.
 3. PAINT TO SUIT WORKS ORDER.
 4. POSITION OF CENTRE OF GRAVITY IS APPROXIMATE.
 5. CALCULATED APPROXIMATE WEIGHT (NOT INCLUDING HOSE OR OIL) = 2 550 kg.

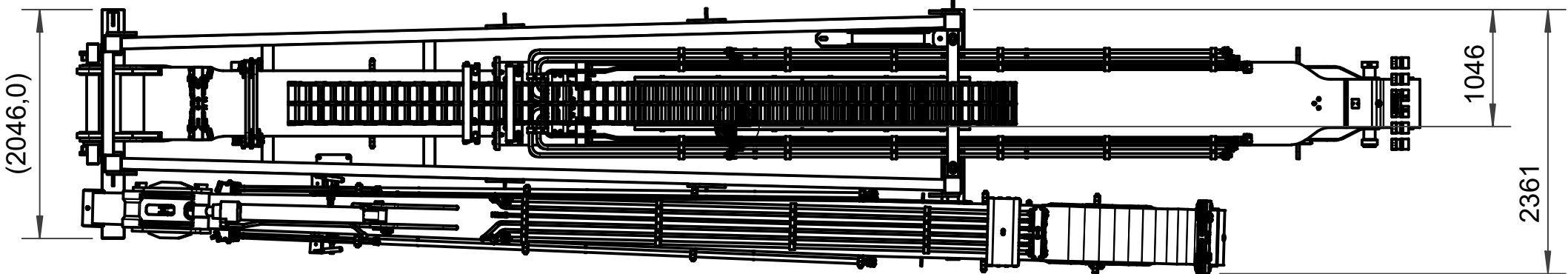


ITEM	PART No	DESCRIPTION	QTY
1	21071559	TRANSPORT LINK W'MENT	1
2	21071673	DEMO DIPPER ASSY	1
3	21071737	TELEBOOM HOOK PIN ASSY	1
4	31021886	CRADLE ASSY	1
5	71271868	DRESSED CYLINDER ASSY RH	1
6	71271869	DRESSED CYLINDER ASSY LH	1

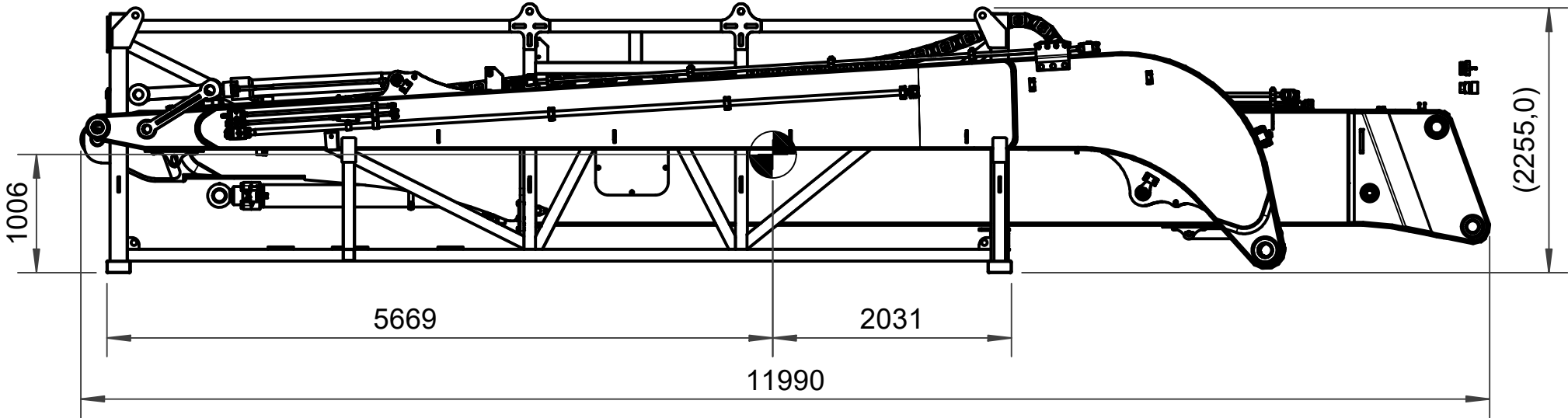
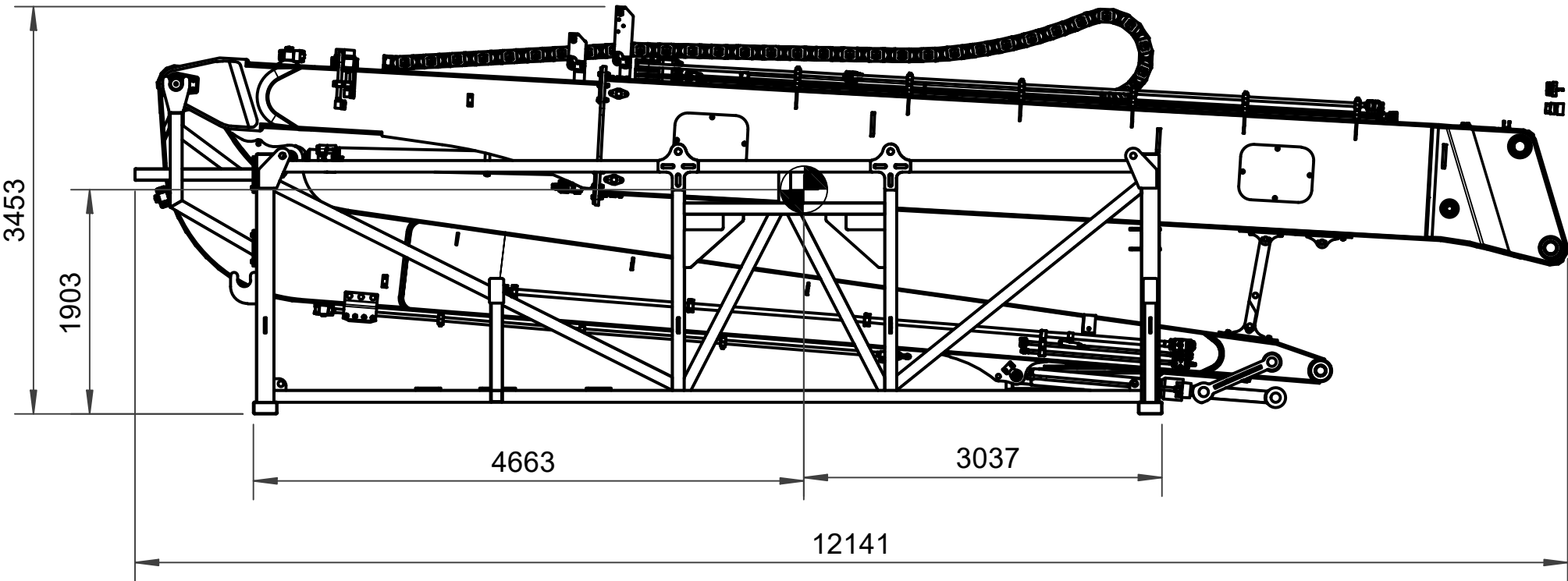
NOTES:

- 1. PAINT TO SUIT WORKS ORDER.
- 2. CENTRE OF GRAVITY IS APPROXIMATE.
- 3. LINKAGE AND ATTACHMENT CYLINDER SHOWN FOR REFERENCE ONLY.
- 4. CALCULATED APPROXIMATE WEIGHTS:
 - CRADLE ONLY = 1 970 kg.
 - RIG ONLY = 12 300 kg.
 - TOTAL COMBINED = 14 270 kg.

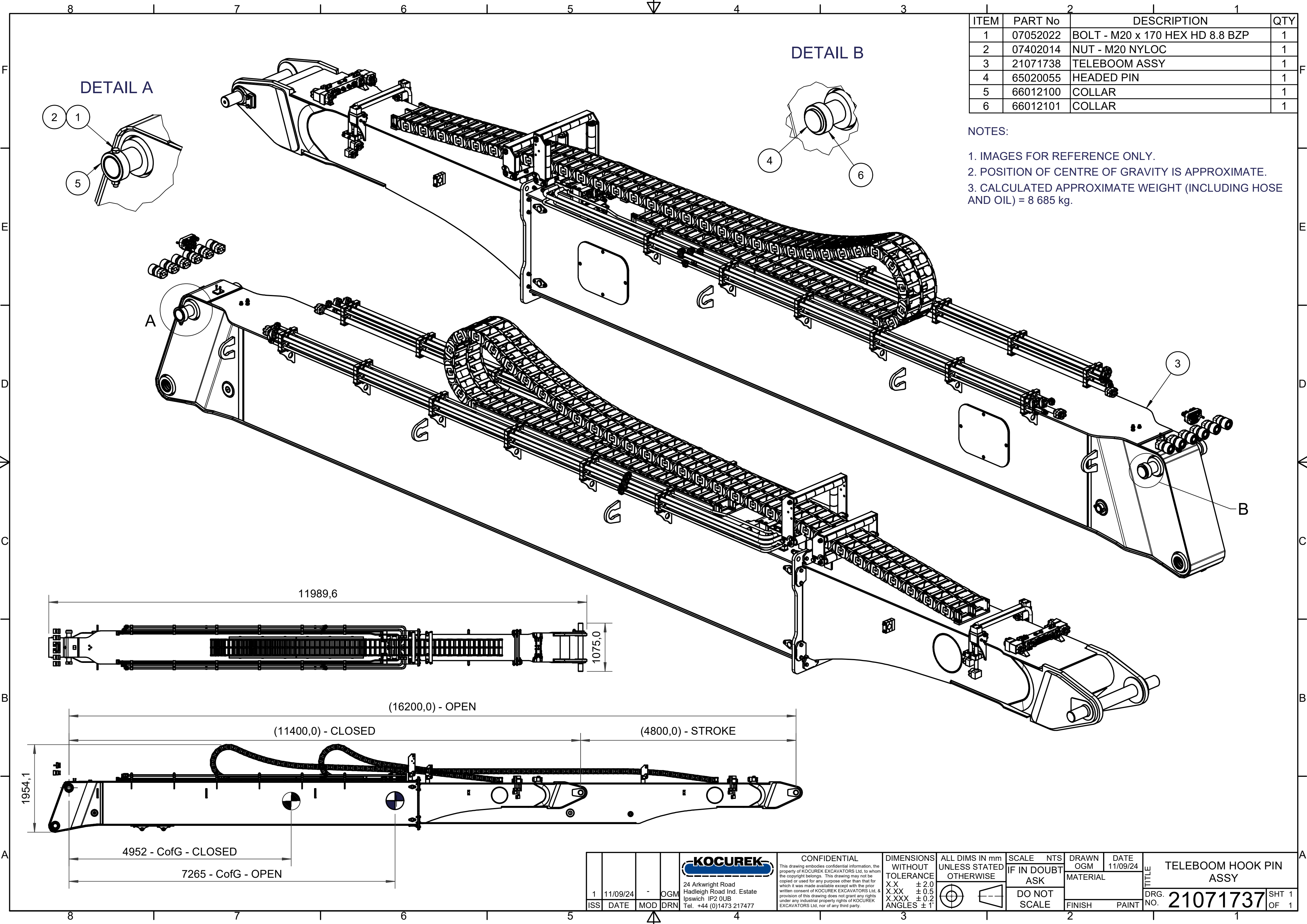
TRANSPORT DIMENSIONS
CONTAINERIZED CONFIGURATION



TRANSPORT DIMENSIONS
NON CONTAINERIZED CONFIGURATION



1 11/09/24 - OGM ISSDATEMODDRN				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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN OGM DATE 11/09/24 MATERIAL FINISH	TITLE 30m DEMO RIG ASSY - 2 PC DRG. NO. 21071736 SHT 1 OF 1
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ITEM	PART No	DESCRIPTION	QTY
1	07052022	BOLT - M20 x 170 HEX HD 8.8 BZP	1
2	07402014	NUT - M20 NYLOC	1
3	21071738	TELEBOOM ASSY	1
4	65020055	HEADED PIN	1
5	66012100	COLLAR	1
6	66012101	COLLAR	1

NOTES:

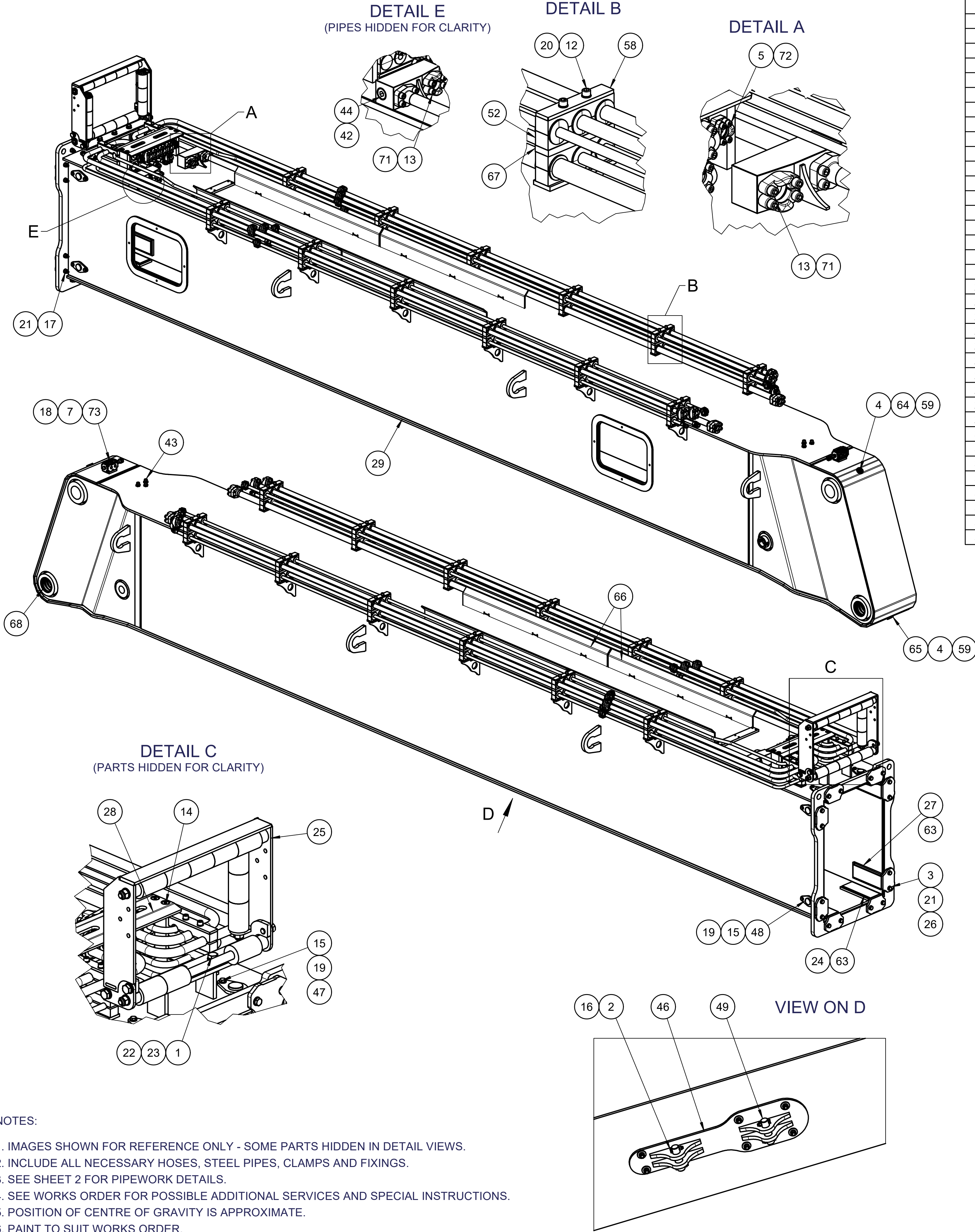
1. IMAGES FOR REFERENCE ONLY.

2. POSITION OF CENTRE OF GRAVITY IS APPROXIMATE.

3. CALCULATED APPROXIMATE WEIGHT (INCLUDING HOSE AND OIL) = 8 685 kg.

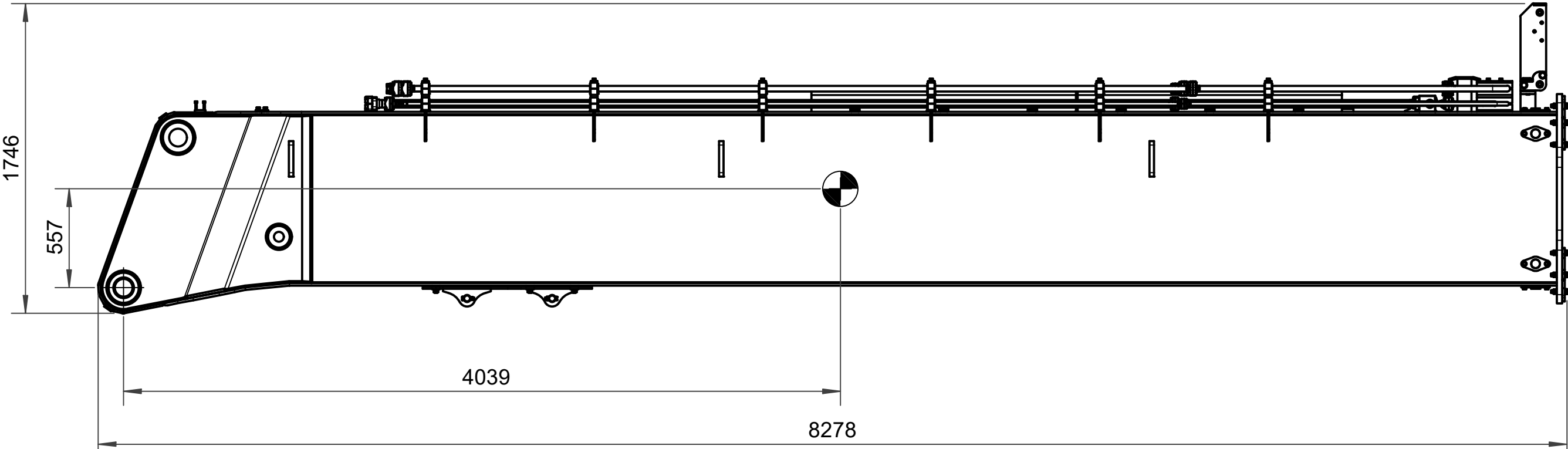
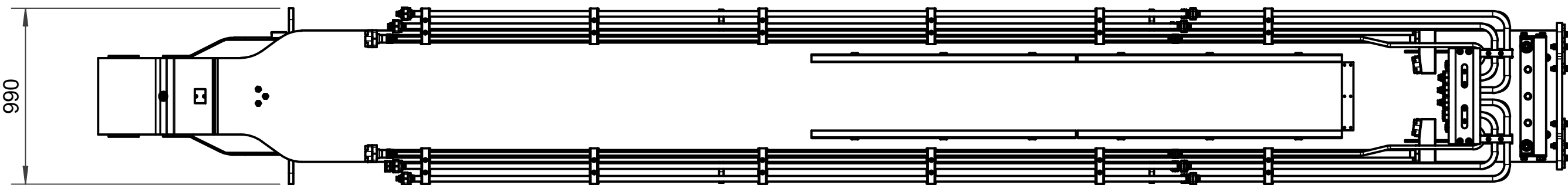
1	11/09/24	-	OGM	KOCUREK 24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477	CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd, to whom the copyright belongs. This drawing may not be copied or used for any purpose other 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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN OGM DATE 11/09/24 MATERIAL FINISH PAINT	TITLE TELEBOOM HOOK PIN ASSY DRG. NO. 21071737	SHT 1 OF 1
ISS	DATE	MOD	DRN								

SEE SHEET 2 FOR PIPEWORK DETAILS

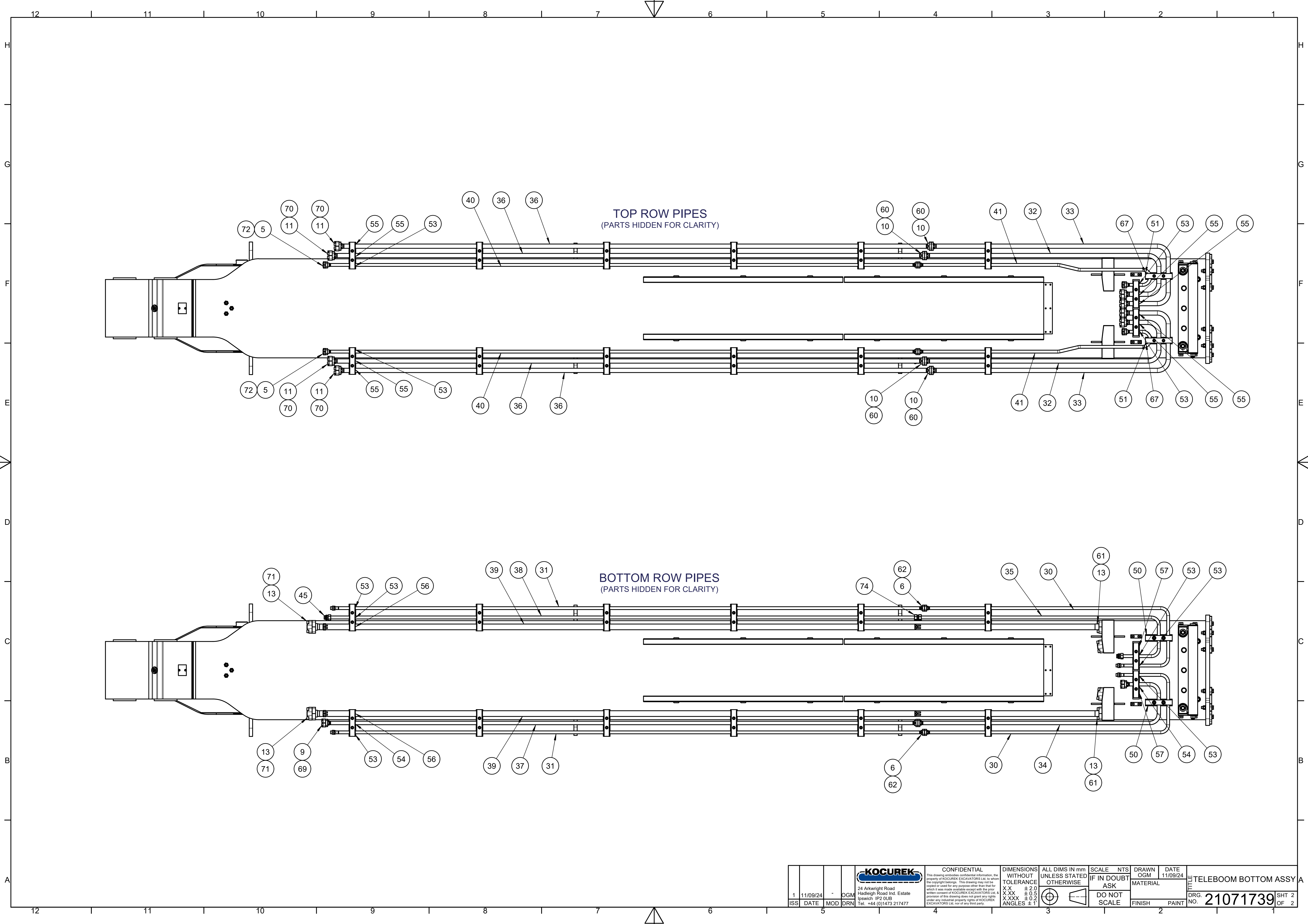


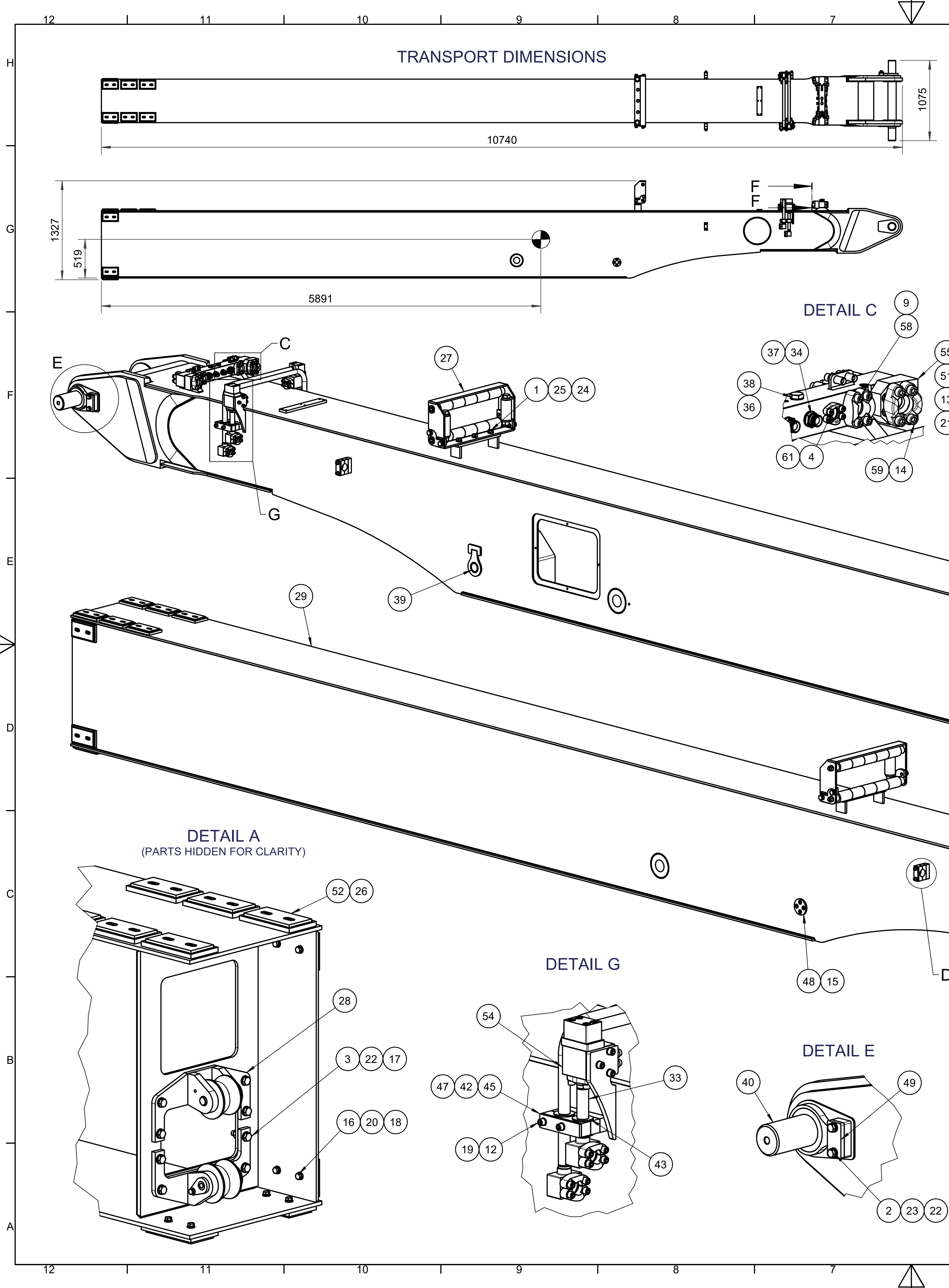
- NOTES:
1. IMAGES SHOWN FOR REFERENCE ONLY - SOME PARTS HIDDEN IN DETAIL VIEWS.
 2. INCLUDE ALL NECESSARY HOSES, STEEL PIPES, CLAMPS AND FIXINGS.
 3. SEE SHEET 2 FOR PIPEWORK DETAILS.
 4. SEE WORKS ORDER FOR POSSIBLE ADDITIONAL SERVICES AND SPECIAL INSTRUCTIONS.
 5. POSITION OF CENTRE OF GRAVITY IS APPROXIMATE.
 6. PAINT TO SUIT WORKS ORDER.
 7. CALCULATED APPROXIMATE WEIGHT (NOT INCLUDING HOSE OR OIL) = 3 785 kg.

ITEM	PART No	DESCRIPTION	QTY	ITEM	PART No	DESCRIPTION	QTY
1	07050004	BOLT - M20 x 35 HEX HD 8.8 BZP	3	38	33004329	22LL SS PIPE (4400 LG)	1
2	07051209	BOLT - M12 x 60 HEX HD 8.8 BZP	4	39	33004330	PIPE W'MENT - 1 1/4"	2
3	07051613	BOLT - M16 X 80 HEX HD 8.8 BZP	16	40	33005142	PIPE W'MENT	2
4	07120151	GREASE NIPPLE - 1/8" BSP	2	41	33005143	PIPE W'MENT	2
5	07330802	BOLT - M8 x 25 CAP HD SKT BZP 12.9	16	42	33050405	SEAL - 1" DOWTY	2
6	07330804	BOLT - M8 x 35 CAP HD SKT BZP 12.9	16	43	33050631	1/2" BSP BULKHEAD	3
7	07330807	BOLT - M8 x 50 CAP HD SKT BZP 12.9	2	44	33050637	BLANKING PLUG - INNER HEXAGON PLUG WITH SEAL	2
8	07331004	BOLT - M10 x 35 CAP HD SKT BZP 12.9	4	45	33050649	COMPRESSION FITTING - 3/4" BSP TO 22mm	2
9	07331005	BOLT - M10 x 40 CAP HD SKT BZP 12.9	8	46	50003357	TRANSPORT EAR ASSY	1
10	07331204	BOLT - M12 x 35 CAP HD SKT BZP 12.9	16	47	65050014	LOCATING PIN ASSY	4
11	07331206	BOLT - M12 x 45 CAP HD SKT BZP 12.9	32	48	65050015	LOCATING PIN ASSY	4
12	07331220	BOLT - M12 x 150 CAP HD SKT BZP 12.9	32	49	65060102	PIN - 38 DIA 155 LG	2
13	07331406	BOLT - M14 x 45 CAP HD SKT BZP 12.9	24	50	66030872	ALU PIPE CLAMP - TRIPLE (BOTTOM) - BLANK" x 1/2" x 3/4"	4
14	07361203	SCREW - M12 X 30 CSK HD SKT ZP	4	51	66030929	ALU PIPE CLAMP - TRIPLE (BOTTOM) - 1" x 1" x 1"	4
15	07381204	SCREW - M12 X 35 HEX HD	16	52	66031303	PIPE/GREASE CLAMP TRIPLE - UNIVERSAL	56
16	07401214	NUT - M12 NYLOC TYPE (T) Y/P	19	53	66031306	SINGLE INSERT (1/2")	35
17	07401614	NUT - M16 NYLOC BZP	16	54	66031307	SINGLE INSERT (3/4")	7
18	07450822	WASHER - M8 SPRING	2	55	66031308	SINGLE INSERT (1")	28
19	07451220	WASHER - M12 PLAIN TYPE A	31	56	66031309	SINGLE INSERT (1 1/4")	12
20	07451221	WASHER - M12 HEICO LOCK	32	57	66031313	BLANK INSERT	2
21	07451620	WASHER - M16 PLAIN	32	58	66031316	PLATE - TRIPLE PIPE CLAMP COVER	16
22	07452020	WASHER - M20 PLAIN TYPE A	3	59	71060018	O RING - 34.5 I/D x 3 DIA	2
23	07452022	WASHER - M20 SPRING	3	60	71300005	SEAL - SAE FLANGE - 1"	4
24	07660005	SHIM - SLOTTED	16	61	71300006	SEAL - SAE FLANGE - 1 1/4"	2
25	11312185	CABLE CHAIN ROLLER GUIDE ASSY	1	62	71300060	SEAL - SAE FLANGE - 1/2"	4
26	15100599	PLATE - PAD RETAINER	8	63	85010844	OILON PAD	8
27	18120082	PAD HOLDER - OUTER	8	64	86000735	GREASE INSERT - 60 LG	1
28	21071723	PLATE - GUARD	1	65	86000737	GREASE INSERT - 70 LG	1
29	21071744	TELEBOOM BOTTOM FURN W'MENT	1	66	86002339	PLATE - BOLTED GUIDE	4
30	33002716	PIPE W'MENT - 1/2"	2	67	89020550	PLATE - PIPE CLAMP SPACER	16
31	33002717	PIPE W'MENT - 1/2"	2	68	97010059	BUSH - 100 I/D 115 O/D 153 LG	2
32	33004321	PIPE W'MENT - 1"	2	69	97071230	3/4" SAE (6000 psi) HOSE SPLIT FLANGE	4
33	33004322	PIPE W'MENT - 1"	2	70	97071231	1" SAE (6000 psi) HOSE SPLIT FLANGE	16
34	33004324	PIPE W'MENT - 3/4"	1	71	97071232	1 1/4" SAE (6000 psi) HOSE SPLIT FLANGE	8
35	33004325	22L PIPE (BENT)	1	72	97071271	1/2" SAE (3000 psi) HOSE SPLIT FLANGE	8
36	33004326	PIPE W'MENT - 1"	4	73	97071601	DIVERTER VALVE	1
37	33004328	PIPE W'MENT - 3/4"	1	74	97084226	COMP FITTING - 22L X 22L STR (STAINLESS STEEL)	1



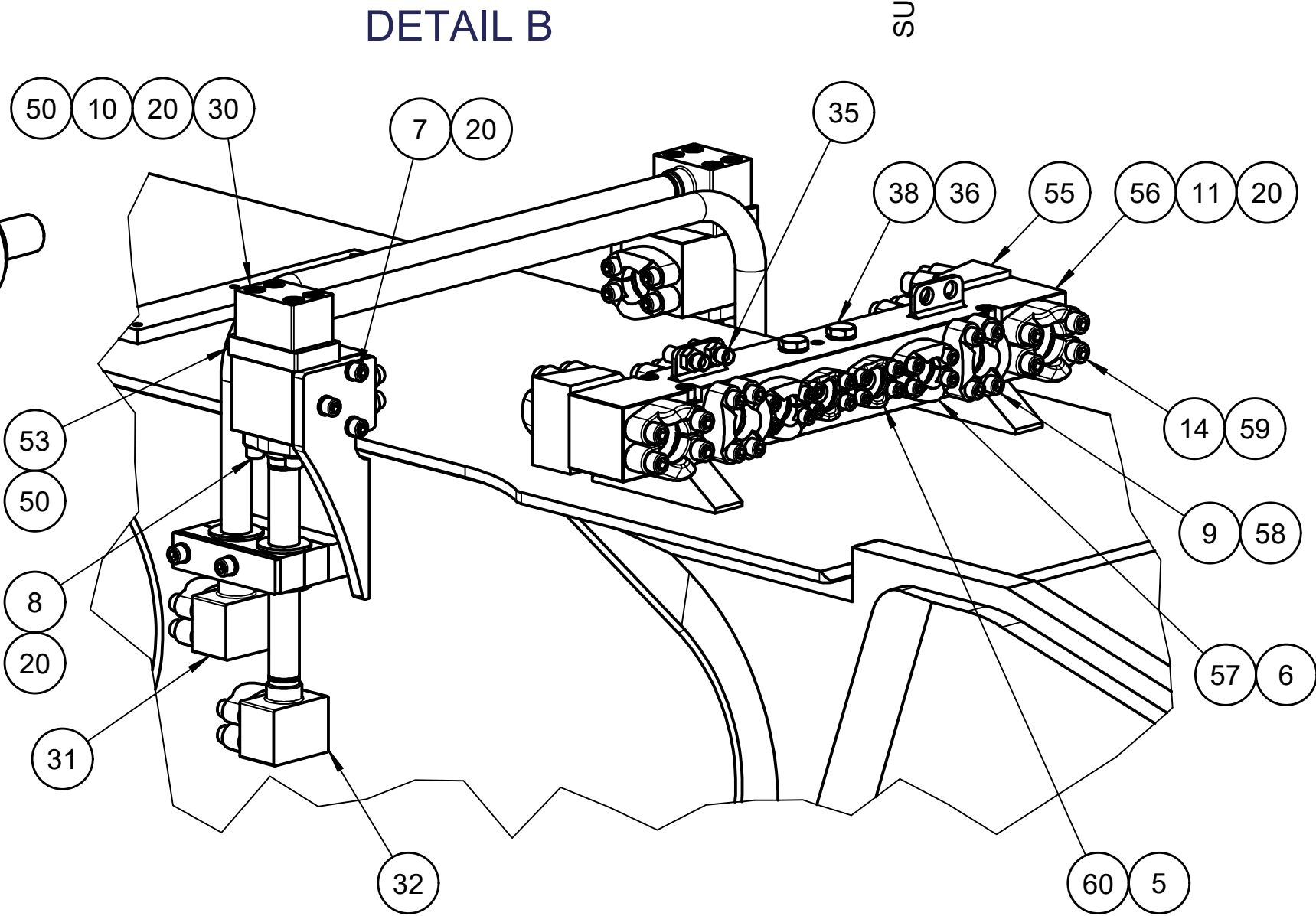
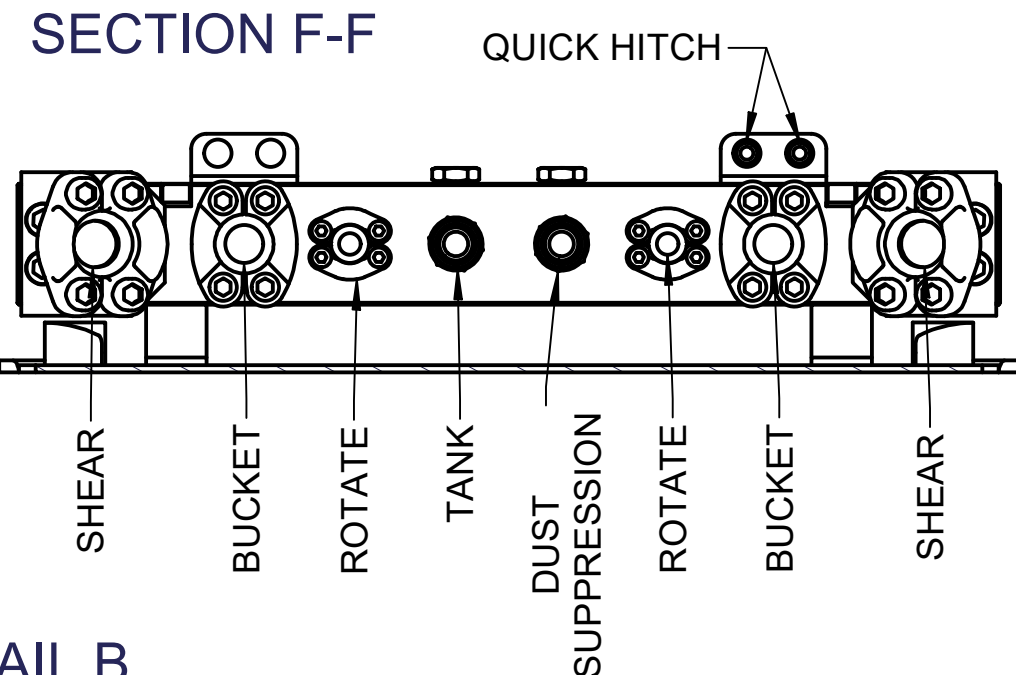
1	11/09/24	-	OGM	24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel: +44 (0)1473 217477	KOCUREK CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd, to whom the copyright belongs. This drawing may not be copied or used for any purpose other 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 XX ±2.0 XX ±0.5 XXX ±0.2 ANGLES ±1°	ALL DIMS IN mm UNLESS STATED OTHERWISE	SCALE NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN OGM MATERIAL FINISH PAINT	DATE 11/09/24 TITLE TELEBOOM BOTTOM ASSY A	DRG. NO. 21071739 SHT 1 OF 2
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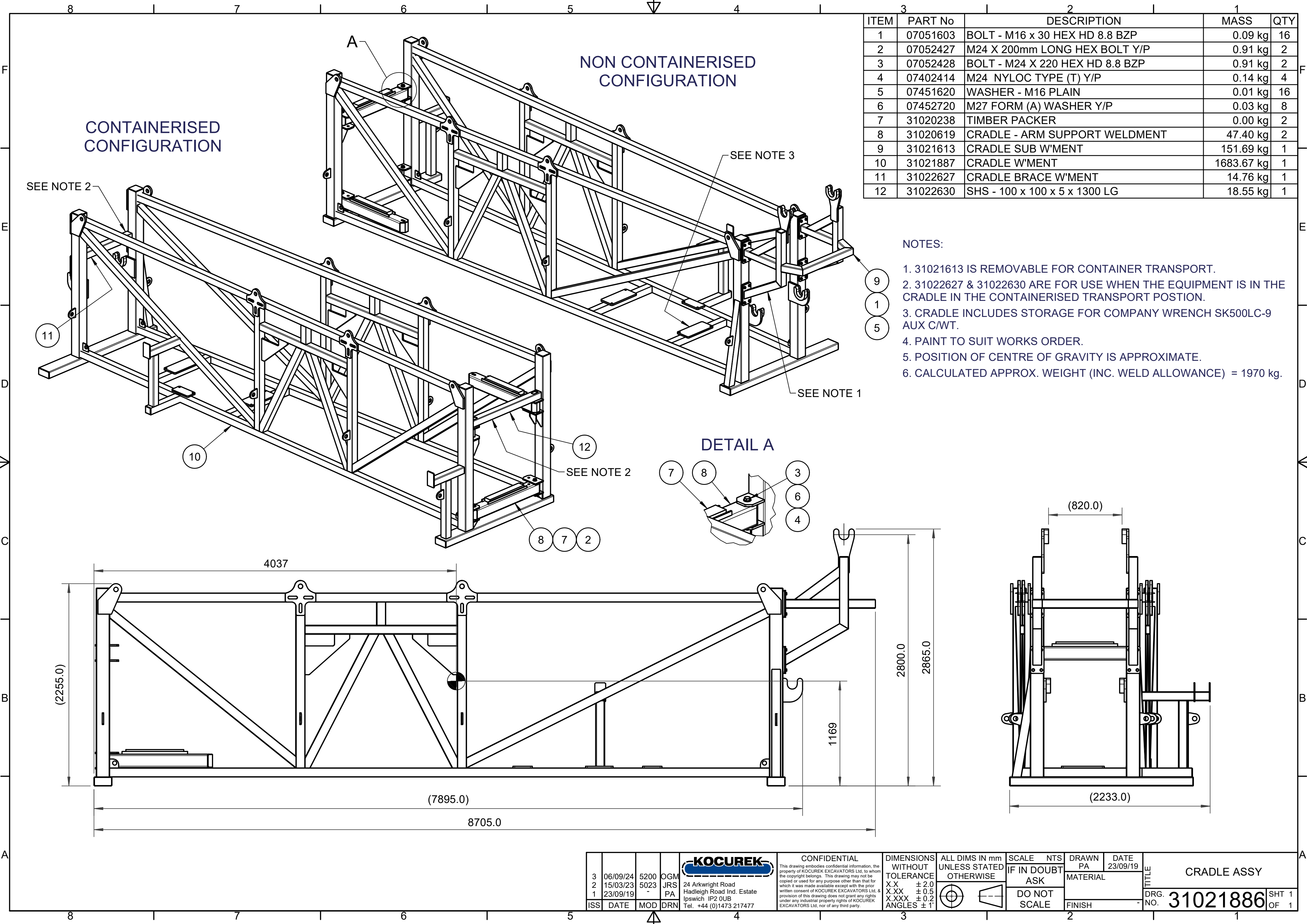


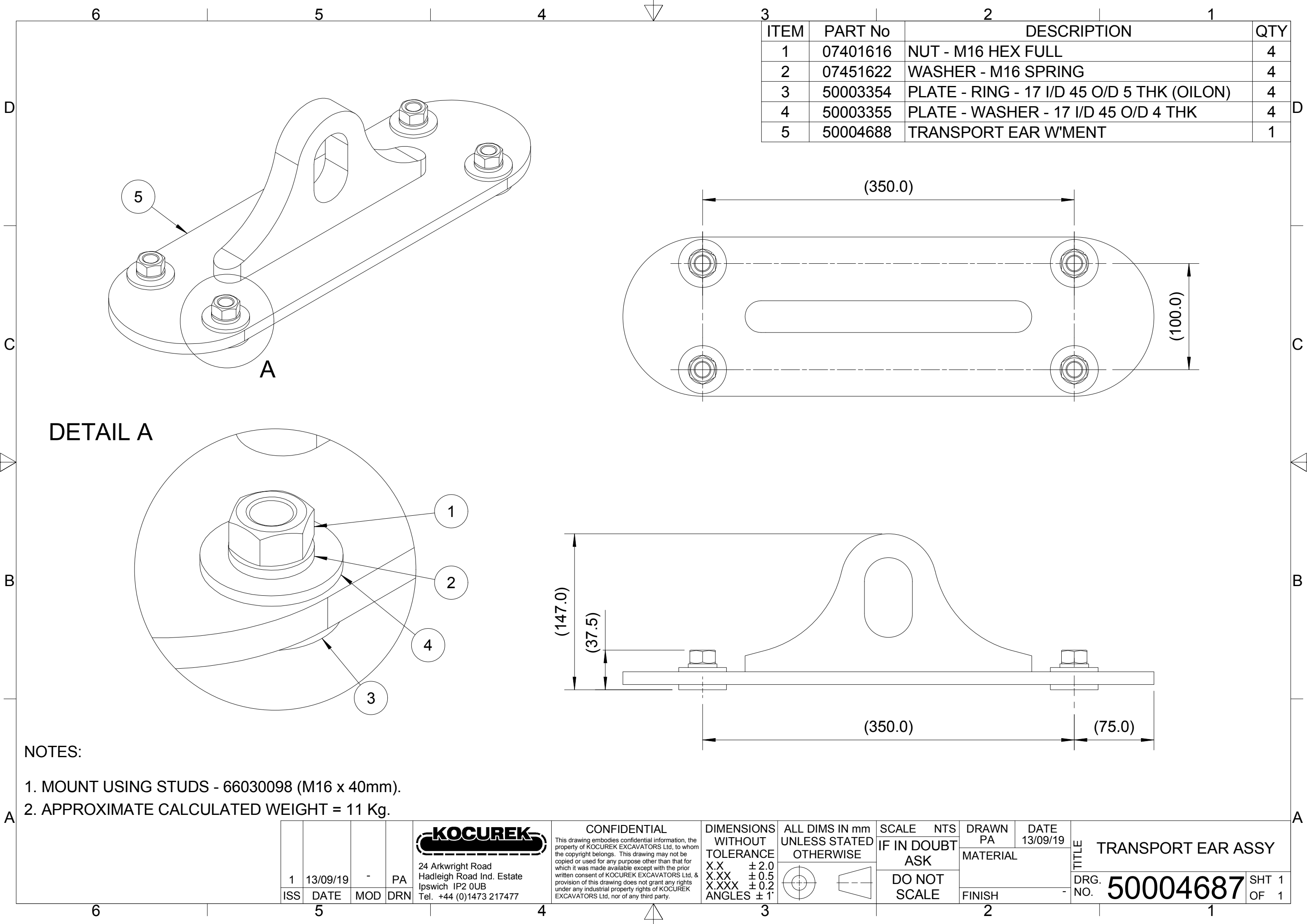


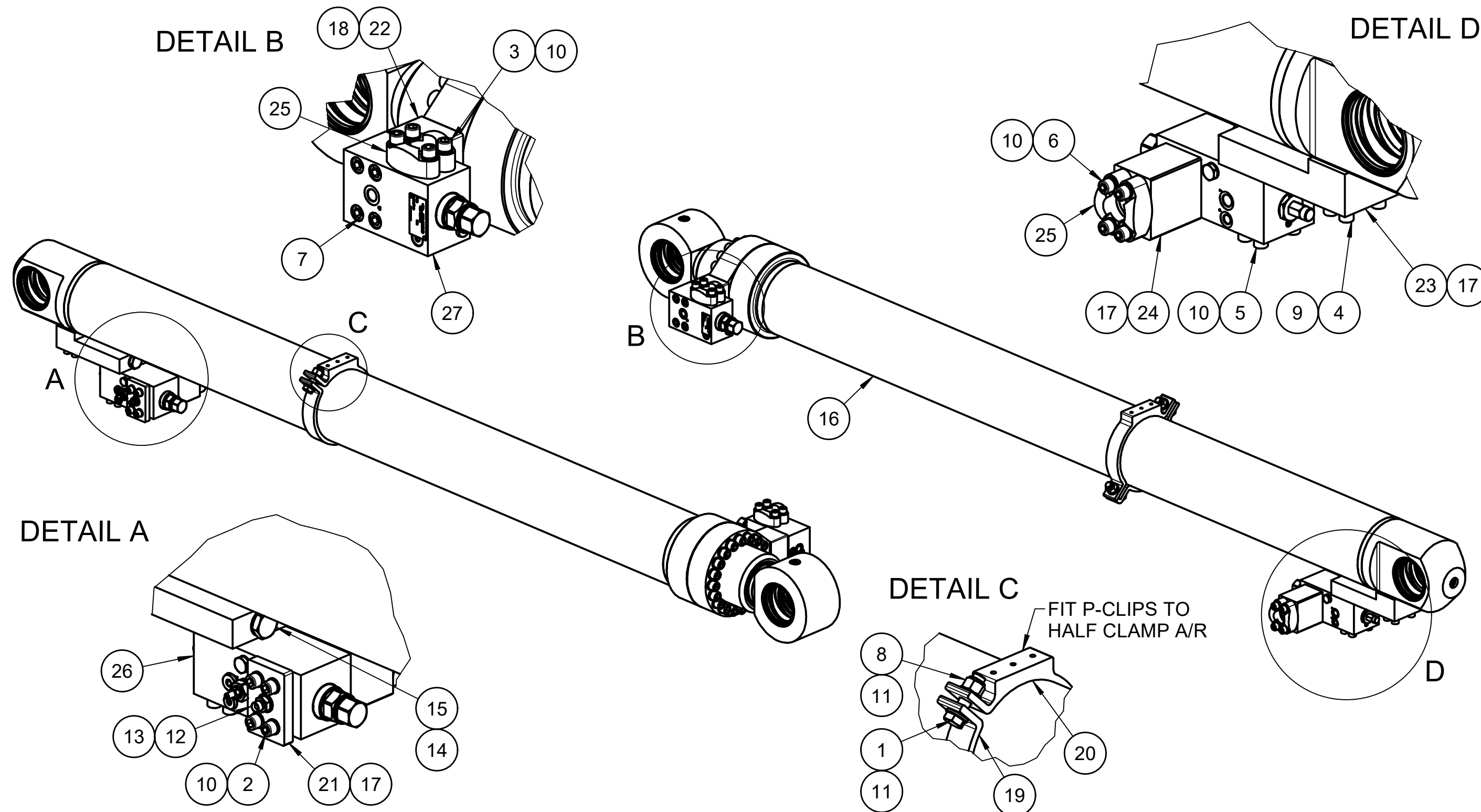
ITEM	PART No	DESCRIPTION	QTY	ITEM	PART No	DESCRIPTION	QTY
1	07050004	BOLT - M20 x 35 HEX HD 8.8 BZP	3	31	33004396	PIPE W'MENT - 1" SAE 6000 PSI	1
2	07051607	BOLT - M16 x 50 HEX HD 8.8 BZP	2	32	33004397	PIPE W'MENT - 1" SAE 6000 PSI	1
3	07051609	BOLT - M16 x 60 HEX HD 8.8 BZP	8	33	33004398	PIPE W'MENT - 1" SAE 6000 PSI	1
4	07330802	BOLT - M8 x 25 CAP HD SKT BZP 12.9	8	34	33050012	ADAPTOR - 3/4" BSP MALE UNION	2
5	07331003	BOLT - M10 x 30 CAP HD SKT BZP 12.9	8	35	33050301	BULKHEAD UNION - 3/8" BSP MALE	2
6	07331004	BOLT - M10 x 35 CAP HD SKT BZP 12.9	8	36	33050403	SEAL - 1/2" BSP BONDED DOWTY	2
7	07331203	BOLT - M12 x 30 CAP HD SKT BZP 12.9	6	37	33050404	SEAL 3/4" BONDED DOWTY	2
8	07331204	BOLT - M12 x 35 CAP HD SKT BZP 12.9	8	38	33050856	ADAPTOR - 1/2" BSPP MALE PLUG (680 BAR WP)	2
9	07331206	BOLT - M12 x 45 CAP HD SKT BZP 12.9	40	39	65030087	TAGGED PIN W'MENT	1
10	07331212	BOLT - M12 x 75 CAP HD SKT BZP 12.9	8	40	65040095	TAGGED CRADLE PIN W'MENT - 110 DIA x 705 LG	1
11	07331213	BOLT - M12 x 80 CAP HD SKT BZP 12.9	4	41	66031301	PIPE/GREASE CLAMP SINGLE - UNIVERSAL	4
12	07331215	BOLT - M12 x 100 CAP HD SKT BZP 12.9	8	42	66031302	PIPE/GREASE CLAMP DOUBLE - UNIVERSAL	4
13	07331404	BOLT - M14 x 35 CAP HD SKT BZP 12.9	8	43	66031308	SINGLE INSERT (1")	4
14	07331407	BOLT - M14 x 50 CAP HD SKT BZP 12.9	16	44	66031314	PLATE - SINGLE PIPE CLAMP COVER	2
15	07361203	SCREW - M12 X 30 CSK HD SKT ZP	4	45	66031315	PLATE - DOUBLE PIPE CLAMP COVER	2
16	07381204	SCREW - M12 X 35 HEX HD	24	46	66031324	PIPE CLAMP SPACER 1W (30 THK)	2
17	07401614	NUT - M16 NYLOC BZP	8	47	66031331	PIPE CLAMP SPACER - 2W (30 THK)	2
18	07451220	WASHER - M12 PLAIN TYPE A	24	48	66040108	PLATE - PIN RETAINING DISC	1
19	07451221	WASHER - M12 HEICO LOCK	8	49	66040127	PLATE - TAGGED PIN RETAINER	1
20	07451222	WASHER - M12 SQ SPRING	50	50	71300005	SEAL - SAE FLANGE - 1"	6
21	07451422	WASHER - M14 SPRING	8	51	71300006	SEAL - SAE FLANGE - 1 1/4"	2
22	07451620	WASHER - M16 PLAIN	18	52	85010013	OILON PAD ASSY	12
23	07451622	WASHER - M16 SPRING	2	53	89020373	PORT SPACER - 1" 6000 SAE	2
24	07452020	WASHER - M20 PLAIN TYPE A	3	54	89020898	MANIFOLD - 1" SAE 6000 PSI TEE	2
25	07452022	WASHER - M20 SPRING	3	55	89020946	ANGLED ADAPTOR - 1 1/4"	2
26	07660004	SHIM PLATE	24	56	89021048	MANIFOLD W'MENT - DEMO DIPPER	1
27	11201392	CABLE CHAIN ROLLER GUIDE ASSY	1	57	97071230	3/4" SAE (6000 psi) HOSE SPLIT FLANGE	4
28	18120691	RAM ROLLER ASSY	2	58	97071231	1" SAE (6000 psi) HOSE SPLIT FLANGE	20
29	21071671	TOP SECTION FURN W'MENT	1	59	97071232	1 1/4" SAE (6000 psi) HOSE SPLIT FLANGE	8
30	33004395	PIPE W'MENT - 1" SAE 6000 PSI	1	60	97071233	3/4" SAE (3000 psi) HOSE SPLIT FLANGE	4
				61	97071271	1/2" SAE (3000 psi) HOSE SPLIT FLANGE	4

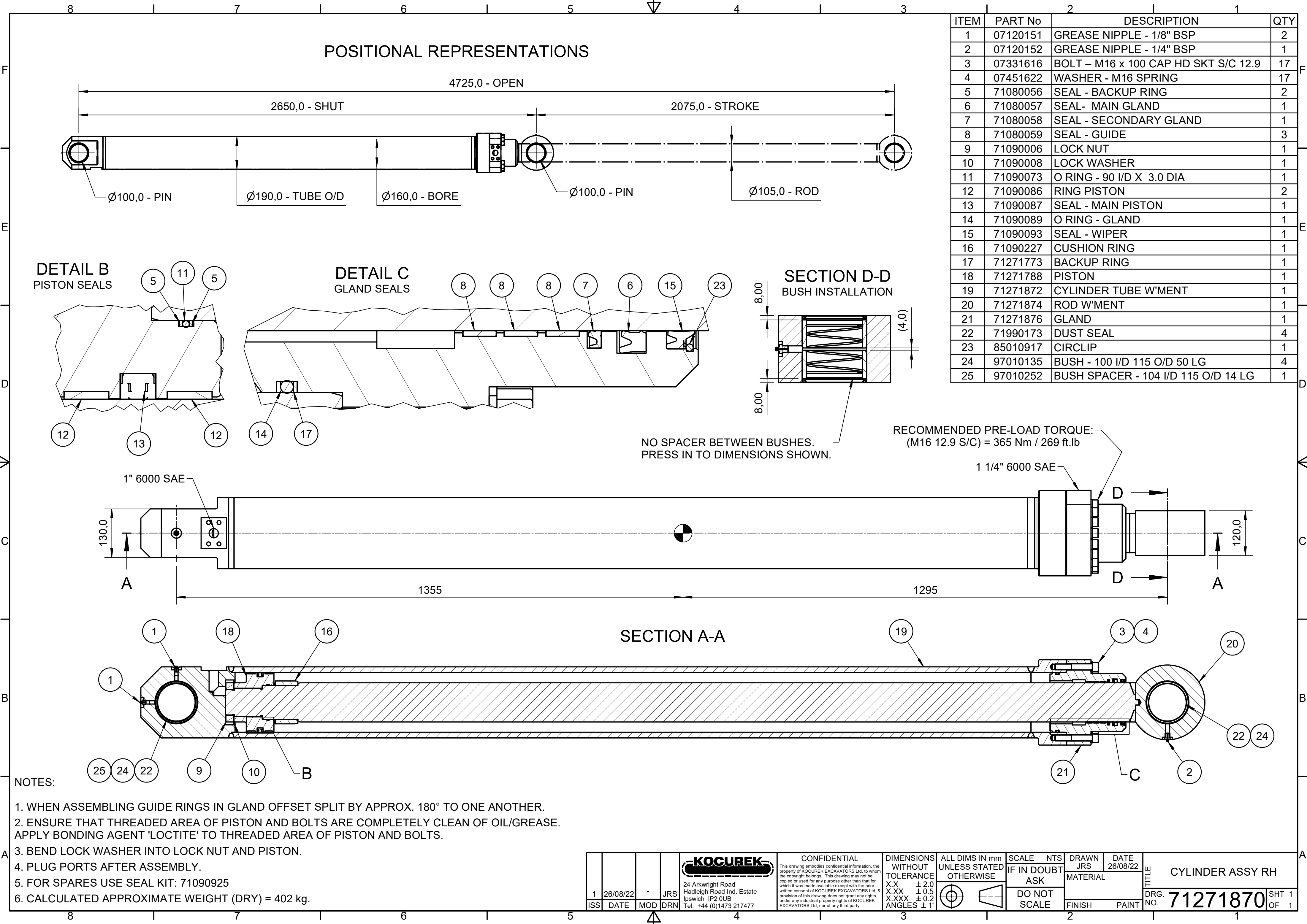
- NOTES:
1. IMAGES FOR REFERENCE ONLY - SOME PARTS HIDDEN IN DETAIL VIEWS.
 2. INCLUDE ALL NECESSARY HOSES, STEEL PIPES, CLAMPS & FIXINGS.
 3. SEE WORKS ORDER FOR POSSIBLE ADDITIONAL SERVICES & SPECIAL INSTRUCTIONS.
 4. POSITION OF CENTRE OF GRAVITY IS APPROXIMATE.
 5. PAINT TO SUIT WORKS ORDER.
 6. CALCULATED APPROXIMATE WEIGHT (NOT INCLUDING HOSE OR OIL) = 3 500 kg.











ITEM	PART No	DESCRIPTION	QTY
1	07120151	GREASE NIPPLE - 1/8" BSP	2
2	07120152	GREASE NIPPLE - 1/4" BSP	1
3	07331616	BOLT – M16 x 100 CAP HD SKT S/C 12.9	17
4	07451622	WASHER - M16 SPRING	17
5	71080056	SEAL - BACKUP RING	2
6	71080057	SEAL- MAIN GLAND	1
7	71080058	SEAL - SECONDARY GLAND	1
8	71080059	SEAL - GUIDE	3
9	71090006	LOCK NUT	1
10	71090008	LOCK WASHER	1
11	71090073	O RING - 90 I/D X 3.0 DIA	1
12	71090086	RING PISTON	2
13	71090087	SEAL - MAIN PISTON	1
14	71090089	O RING - GLAND	1
15	71090093	SEAL - WIPER	1
16	71090227	CUSHION RING	1
17	71271773	BACKUP RING	1
18	71271788	PISTON	1
19	71271872	CYLINDER TUBE W'MENT	1
20	71271874	ROD W'MENT	1
21	71271876	GLAND	1
22	71990173	DUST SEAL	4
23	85010917	CIRCLIP	1
24	97010135	BUSH - 100 I/D 115 O/D 50 LG	4
25	97010252	BUSH SPACER - 104 I/D 115 O/D 14 LG	1

- NOTES:
1. WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER.
 2. ENSURE THAT THREADED AREA OF PISTON AND BOLTS ARE COMPLETELY CLEAN OF OIL/GREASE. APPLY BONDING AGENT 'LOCTITE' TO THREADED AREA OF PISTON AND BOLTS.
 3. BEND LOCK WASHER INTO LOCK NUT AND PISTON.
 4. PLUG PORTS AFTER ASSEMBLY.
 5. FOR SPARES USE SEAL KIT: 71090925
 6. CALCULATED APPROXIMATE WEIGHT (DRY) = 402 kg.

1	26/08/22	-	JRS	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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN JRS DATE 26/08/22 MATERIAL FINISH PAINT	TITLE CYLINDER ASSY RH DRG. NO. 71271870 SHT 1 OF 1
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[illegible][illegible]

This figure contains technical drawings and assembly instructions for a hydraulic cylinder assembly.

POSITIONAL REPRESENTATIONS

The main drawing shows the cylinder with dimensions:

- Overall length: 4725,0 - OPEN
- Shut length: 2650,0 - SHUT
- Stroke length: 2075,0 - STROKE
- Pins: Ø100,0 - PIN
- Tube O/D: Ø190,0 - TUBE O/D
- Bore: Ø160,0 - BORE
- Rod: Ø105,0 - ROD

DETAILS:

- DETAIL B PISTON SEALS:** Shows seals 5, 11, 5, 12, 13, 12.
- DETAIL C GLAND SEALS:** Shows seals 8, 8, 8, 7, 6, 15, 23, 14, 17.
- DETAIL D-D BUSH INSTALLATION:** Shows bush installation with dimensions 8,00, 8,00, and (4,0).

NO SPACER BETWEEN BUSHES. PRESS IN TO DIMENSIONS SHOWN.

RECOMMENDED PRE-LOAD TORQUE:
(M16 12.9 S/C) = 365 Nm / 269 ft.lb

SECTION A-A

The section view shows internal components labeled 1 through 25.

NOTES:

- WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER.
- ENSURE THAT THREADED AREA OF PISTON AND BOLTS ARE COMPLETELY CLEAN OF OIL/GREASE. APPLY BONDING AGENT 'LOCTITE' TO THREADED AREA OF PISTON AND BOLTS.
- BEND LOCK WASHER INTO LOCK NUT AND PISTON.
- PLUG PORTS AFTER ASSEMBLY.
- FOR SPARES USE SEAL KIT: 71090925
- CALCULATED APPROXIMATE WEIGHT (DRY) = 402 kg.

ITEM LIST:

ITEM	PART No	DESCRIPTION	QTY
1	07120151	GREASE NIPPLE - 1/8" BSP	2
2	07120152	GREASE NIPPLE - 1/4" BSP	1
3	07331616	BOLT – M16 x 100 CAP HD SKT S/C 12.9	17
4	07451622	WASHER - M16 SPRING	17
5	71080056	SEAL - BACKUP RING	2
6	71080057	SEAL- MAIN GLAND	1
7	71080058	SEAL - SECONDARY GLAND	1
8	71080059	SEAL - GUIDE	3
9	71090006	LOCK NUT	1
10	71090008	LOCK WASHER	1
11	71090073	O RING - 90 I/D X 3.0 DIA	1
12	71090086	RING PISTON	2
13	71090087	SEAL - MAIN PISTON	1
14	71090089	O RING - GLAND	1
15	71090093	SEAL - WIPER	1
16	71090227	CUSHION RING	1
17	71271773	BACKUP RING	1
18	71271788	PISTON	1
19	71271872	CYLINDER TUBE W'MENT	1
20	71271874	ROD W'MENT	1
21	71271876	GLAND	1
22	71990173	DUST SEAL	4
23	85010917	CIRCLIP	1
24	97010135	BUSH - 100 I/D 115 O/D 50 LG	4
25	97010252	BUSH SPACER - 104 I/D 115 O/D 14 LG	1

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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 NTS IF IN DOUBT ASK
DO NOT SCALE

DRAWN JRS DATE 26/08/22 MATERIAL FINISH PAINT

TITLE CYLINDER ASSY LH DRG. NO. 71271871 SHT 1 OF 1

[illegible]

POSITIONAL REPRESENTATIONS

4725,0 - OPEN
2650,0 - SHUT
2075,0 - STROKE

Ø100,0 - PIN Ø190,0 - TUBE O/D Ø160,0 - BORE Ø100,0 - PIN Ø105,0 - ROD

DETAIL B
PISTON SEALS

DETAIL C
GLAND SEALS

DETAIL D-D
BUSH INSTALLATION

NO SPACER BETWEEN BUSHES.
PRESS IN TO DIMENSIONS SHOWN.

RECOMMENDED PRE-LOAD TORQUE:
(M16 12.9 S/C) = 365 Nm / 269 ft.lb

SECTION A-A

ITEM PART No DESCRIPTION QTY

1	07120151	GREASE NIPPLE - 1/8" BSP	2
2	07120152	GREASE NIPPLE - 1/4" BSP	1
3	07331616	BOLT – M16 x 100 CAP HD SKT S/C 12.9	17
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5	71080056	SEAL - BACKUP RING	2
6	71080057	SEAL- MAIN GLAND	1
7	71080058	SEAL - SECONDARY GLAND	1
8	71080059	SEAL - GUIDE	3
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10	71090008	LOCK WASHER	1
11	71090073	O RING - 90 I/D X 3.0 DIA	1
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16	71090227	CUSHION RING	1
17	71271773	BACKUP RING	1
18	71271788	PISTON	1
19	71271872	CYLINDER TUBE W'MENT	1
20	71271874	ROD W'MENT	1
21	71271876	GLAND	1
22	71990173	DUST SEAL	4
23	85010917	CIRCLIP	1
24	97010135	BUSH - 100 I/D 115 O/D 50 LG	4
25	97010252	BUSH SPACER - 104 I/D 115 O/D 14 LG	1

NOTES:

- WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER.
- ENSURE THAT THREADED AREA OF PISTON AND BOLTS ARE COMPLETELY CLEAN OF OIL/GREASE. APPLY BONDING AGENT 'LOCTITE' TO THREADED AREA OF PISTON AND BOLTS.
- BEND LOCK WASHER INTO LOCK NUT AND PISTON.
- PLUG PORTS AFTER ASSEMBLY.
- FOR SPARES USE SEAL KIT: 71090925
- CALCULATED APPROXIMATE WEIGHT (DRY) = 402 kg.

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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 NTS IF IN DOUBT ASK
DO NOT SCALE

DRAWN JRS DATE 26/08/22 MATERIAL FINISH PAINT

TITLE CYLINDER ASSY LH DRG. NO. 71271871 SHT 1 OF 1

- 8 7 6 5 4 3 2 1

POSITIONAL REPRESENTATIONS

4725,0 - OPEN

2650,0 - SHUT

2075,0 - STROKE

Ø100,0 - PIN

Ø190,0 - TUBE O/D

Ø160,0 - BORE

Ø100,0 - PIN

Ø105,0 - ROD

DETAIL B
PISTON SEALS

DETAIL C
GLAND SEALS

DETAIL D-D
BUSH INSTALLATION

NO SPACER BETWEEN BUSHES.
PRESS IN TO DIMENSIONS SHOWN.

RECOMMENDED PRE-LOAD TORQUE:
(M16 12.9 S/C) = 365 Nm / 269 ft.lb

SECTION A-A

NOTES:

 1. WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER.
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ITEM	PART No	DESCRIPTION	QTY
1	07120151	GREASE NIPPLE - 1/8" BSP	2
2	07120152	GREASE NIPPLE - 1/4" BSP	1
3	07331616	BOLT – M16 x 100 CAP HD SKT S/C 12.9	17
4	07451622	WASHER - M16 SPRING	17
5	71080056	SEAL - BACKUP RING	2
6	71080057	SEAL- MAIN GLAND	1
7	71080058	SEAL - SECONDARY GLAND	1
8	71080059	SEAL - GUIDE	3
9	71090006	LOCK NUT	1
10	71090008	LOCK WASHER	1
11	71090073	O RING - 90 I/D X 3.0 DIA	1
12	71090086	RING PISTON	2
13	71090087	SEAL - MAIN PISTON	1
14	71090089	O RING - GLAND	1
15	71090093	SEAL - WIPER	1
16	71090227	CUSHION RING	1
17	71271773	BACKUP RING	1
18	71271788	PISTON	1
19	71271872	CYLINDER TUBE W'MENT	1
20	71271874	ROD W'MENT	1
21	71271876	GLAND	1
22	71990173	DUST SEAL	4
23	85010917	CIRCLIP	1
24	97010135	BUSH - 100 I/D 115 O/D 50 LG	4
25	97010252	BUSH SPACER - 104 I/D 115 O/D 14 LG	1

130,0

A

1" 6000 SAE

1355

1295

1 1/4" 6000 SAE

120,0

A

1

18

16

19

3

4

20

22

24

21

C

2

25

24

22

9

10

B

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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 NTS
IF IN DOUBT
ASK
DO NOT
SCALE

DRAWN
JRS
MATERIAL

DATE
26/08/22

FINISH
PAINT

TITLE
CYLINDER ASSY LH

DRG. NO. 71271871

SHT 1
OF 1

8 7 6 5 4 3 2 1

- [illegible]

POSITIONAL REPRESENTATIONS

4725,0 - OPEN
2650,0 - SHUT
2075,0 - STROKE

Ø100,0 - PIN Ø190,0 - TUBE O/D Ø160,0 - BORE Ø100,0 - PIN Ø105,0 - ROD

DETAIL B
PISTON SEALS

DETAIL C
GLAND SEALS

DETAIL D-D
BUSH INSTALLATION

NO SPACER BETWEEN BUSHES.
PRESS IN TO DIMENSIONS SHOWN.

RECOMMENDED PRE-LOAD TORQUE:
(M16 12.9 S/C) = 365 Nm / 269 ft.lb

SECTION A-A

ITEM PART No DESCRIPTION QTY

1	07120151	GREASE NIPPLE - 1/8" BSP	2
2	07120152	GREASE NIPPLE - 1/4" BSP	1
3	07331616	BOLT – M16 x 100 CAP HD SKT S/C 12.9	17
4	07451622	WASHER - M16 SPRING	17
5	71080056	SEAL - BACKUP RING	2
6	71080057	SEAL- MAIN GLAND	1
7	71080058	SEAL - SECONDARY GLAND	1
8	71080059	SEAL - GUIDE	3
9	71090006	LOCK NUT	1
10	71090008	LOCK WASHER	1
11	71090073	O RING - 90 I/D X 3.0 DIA	1
12	71090086	RING PISTON	2
13	71090087	SEAL - MAIN PISTON	1
14	71090089	O RING - GLAND	1
15	71090093	SEAL - WIPER	1
16	71090227	CUSHION RING	1
17	71271773	BACKUP RING	1
18	71271788	PISTON	1
19	71271872	CYLINDER TUBE W'MENT	1
20	71271874	ROD W'MENT	1
21	71271876	GLAND	1
22	71990173	DUST SEAL	4
23	85010917	CIRCLIP	1
24	97010135	BUSH - 100 I/D 115 O/D 50 LG	4
25	97010252	BUSH SPACER - 104 I/D 115 O/D 14 LG	1

NOTES:

- WHEN ASSEMBLING GUIDE RINGS IN GLAND OFFSET SPLIT BY APPROX. 180° TO ONE ANOTHER.
- ENSURE THAT THREADED AREA OF PISTON AND BOLTS ARE COMPLETELY CLEAN OF OIL/GREASE. APPLY BONDING AGENT 'LOCTITE' TO THREADED AREA OF PISTON AND BOLTS.
- BEND LOCK WASHER INTO LOCK NUT AND PISTON.
- PLUG PORTS AFTER ASSEMBLY.
- FOR SPARES USE SEAL KIT: 71090925
- CALCULATED APPROXIMATE WEIGHT (DRY) = 402 kg.

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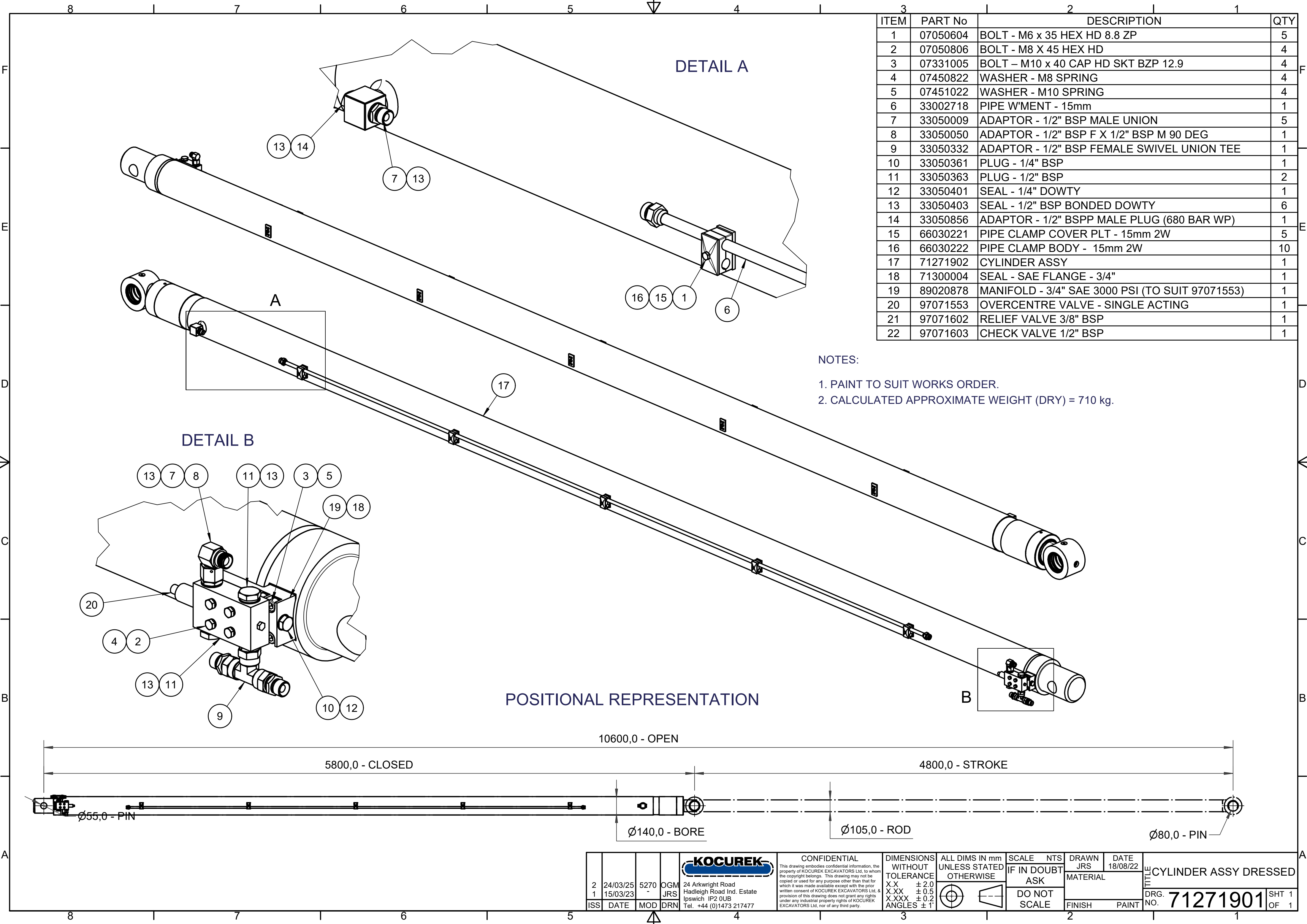
DIMENSIONS WITHOUT TOLERANCE
X.X ± 2.0
X.XX ± 0.5
X.XXX ± 0.2
ANGLES ± 1'

ALL DIMS IN mm UNLESS STATED OTHERWISE

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DRAWN JRS DATE 26/08/22 MATERIAL FINISH PAINT

TITLE CYLINDER ASSY LH DRG. NO. 71271871 SHT 1 OF 1



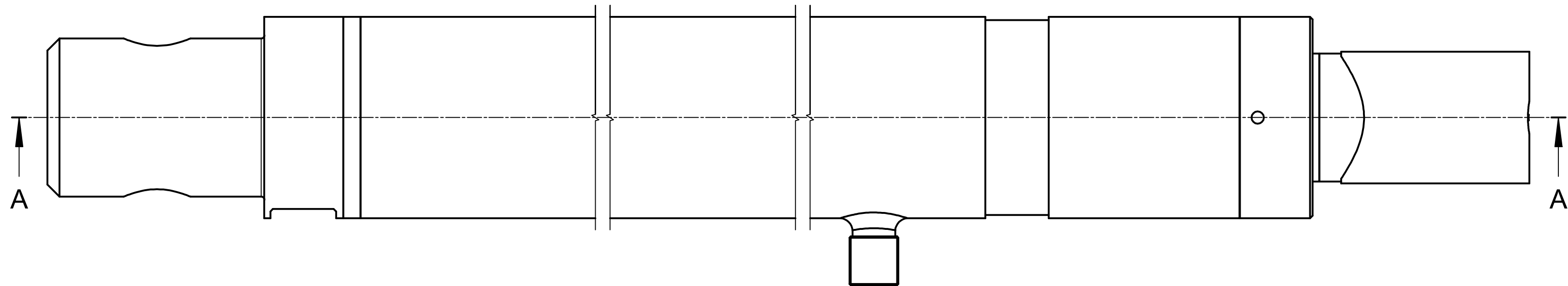
ITEM	PART No	DESCRIPTION	QTY
1	07050604	BOLT - M6 x 35 HEX HD 8.8 ZP	5
2	07050806	BOLT - M8 X 45 HEX HD	4
3	07331005	BOLT – M10 x 40 CAP HD SKT BZP 12.9	4
4	07450822	WASHER - M8 SPRING	4
5	07451022	WASHER - M10 SPRING	4
6	33002718	PIPE W'MENT - 15mm	1
7	33050009	ADAPTOR - 1/2" BSP MALE UNION	5
8	33050050	ADAPTOR - 1/2" BSP F X 1/2" BSP M 90 DEG	1
9	33050332	ADAPTOR - 1/2" BSP FEMALE SWIVEL UNION TEE	1
10	33050361	PLUG - 1/4" BSP	1
11	33050363	PLUG - 1/2" BSP	2
12	33050401	SEAL - 1/4" DOWTY	1
13	33050403	SEAL - 1/2" BSP BONDED DOWTY	6
14	33050856	ADAPTOR - 1/2" BSPP MALE PLUG (680 BAR WP)	1
15	66030221	PIPE CLAMP COVER PLT - 15mm 2W	5
16	66030222	PIPE CLAMP BODY - 15mm 2W	10
17	71271902	CYLINDER ASSY	1
18	71300004	SEAL - SAE FLANGE - 3/4"	1
19	89020878	MANIFOLD - 3/4" SAE 3000 PSI (TO SUIT 97071553)	1
20	97071553	OVERCENTRE VALVE - SINGLE ACTING	1
21	97071602	RELIEF VALVE 3/8" BSP	1
22	97071603	CHECK VALVE 1/2" BSP	1

- NOTES:
- 1. PAINT TO SUIT WORKS ORDER.
 - 2. CALCULATED APPROXIMATE WEIGHT (DRY) = 710 kg.

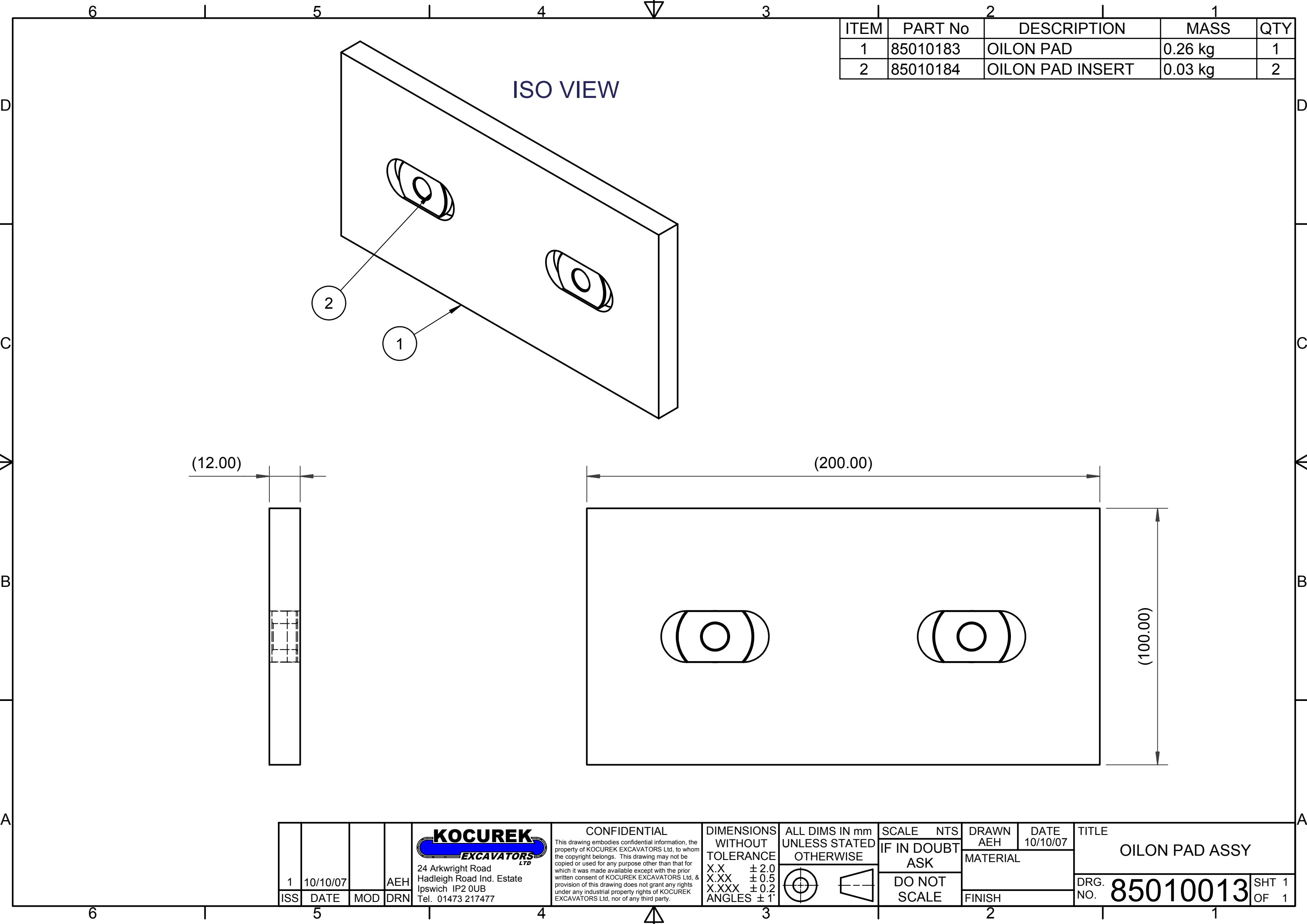
2 1 24/03/25 15/03/23				5270 - OGM JRS	KOCUREK 24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477		CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd. to whom the copyright belongs. This drawing may not be copied or used 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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN JRS DATE 18/08/22 MATERIAL FINISH PAINT	W FILE CYLINDER ASSY DRESSED		DRG. NO. 71271901 SHT 1 OF 1
--	--	--	--	---	--	--	---	--	--	---	---	--	---	--	--

ITEM	PART No	DESCRIPTION	MASS	QTY	ITEM	PART No	DESCRIPTION	MASS	QTY
1	07120151	GREASE NIPPLE - 1/8" BSP	0,01 kg	2	12	71270997	SEAL - O RING - 70 I/D X 3.0 DIA	0,00 kg	1
2	07331232	BOLT – M12 x 16 CAP HD SKT BZP 12.9	0,01 kg	1	13	71270998	SEAL - BACK UP RING - 70 I/D X 75 O/D X 1.3 THK	0,00 kg	2
3	71060008	PISTON LOCK NUT	1,85 kg	1	14	71271383	PISTON	5,95 kg	1
4	71080043	SEAL - O-RING 105 I/D - DIA 3.0	0,00 kg	2	15	71271389	GLAND	7,73 kg	1
5	71080057	SEAL- MAIN GLAND	0,04 kg	1	16	71271393	SPACER	12,93 kg	1
6	71080058	SEAL - SECONDARY GLAND	0,01 kg	1	17	71271903	ROD W'MENT	384,33 kg	1
7	71080059	SEAL - GUIDE	0,01 kg	4	18	71271905	CYLINDER TUBE W'MENT	284,78 kg	1
8	71090093	SEAL - WIPER	0,03 kg	1	19	71300015	O RING	0,00 kg	1
9	71200037	RING PISTON	0,04 kg	2	20	71300078	DUST SEAL	0,06 kg	2
10	71200039	SEAL PISTON	0,04 kg	1	21	85010917	CIRCLIP	0,00 kg	1
11	71200170	SEAL - STATIC GLAND	0,01 kg	2	22	97010250	BUSH - 80 I/D 95 O/D 40 LG	0,71 kg	2
					23	97010251	BUSH SPACER - 84 I/D 95 O/D 16 LG	0,15 kg	1

POSITIONAL REPRESENTATION

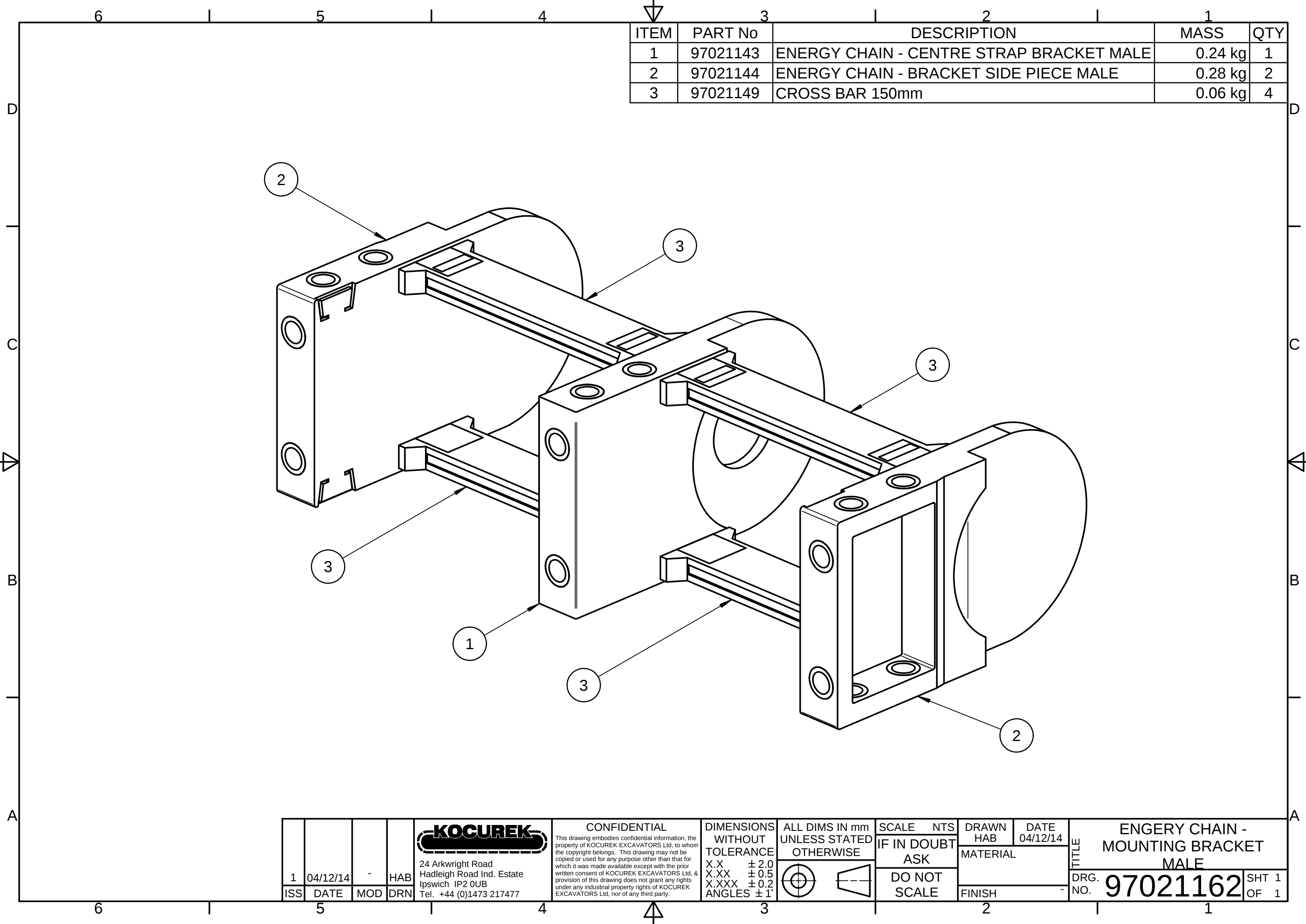


2 1		24/08/22 18/08/22	4988 JRS	JRS	 CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd., to whom the copyright belongs. This drawing may not be copied or used for any purpose other than that for which it was made available except with the prior written 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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN JRS MATERIAL FINISH	DATE 18/08/22 PAINT	TITLE CYLINDER ASSY	DRG. NO. 71271902	SHT 1 OF 1
ISS	DATE	MOD	DRN										



ITEM	PART No	DESCRIPTION	MASS	QTY
1	85010183	OILON PAD	0.26 kg	1
2	85010184	OILON PAD INSERT	0.03 kg	2

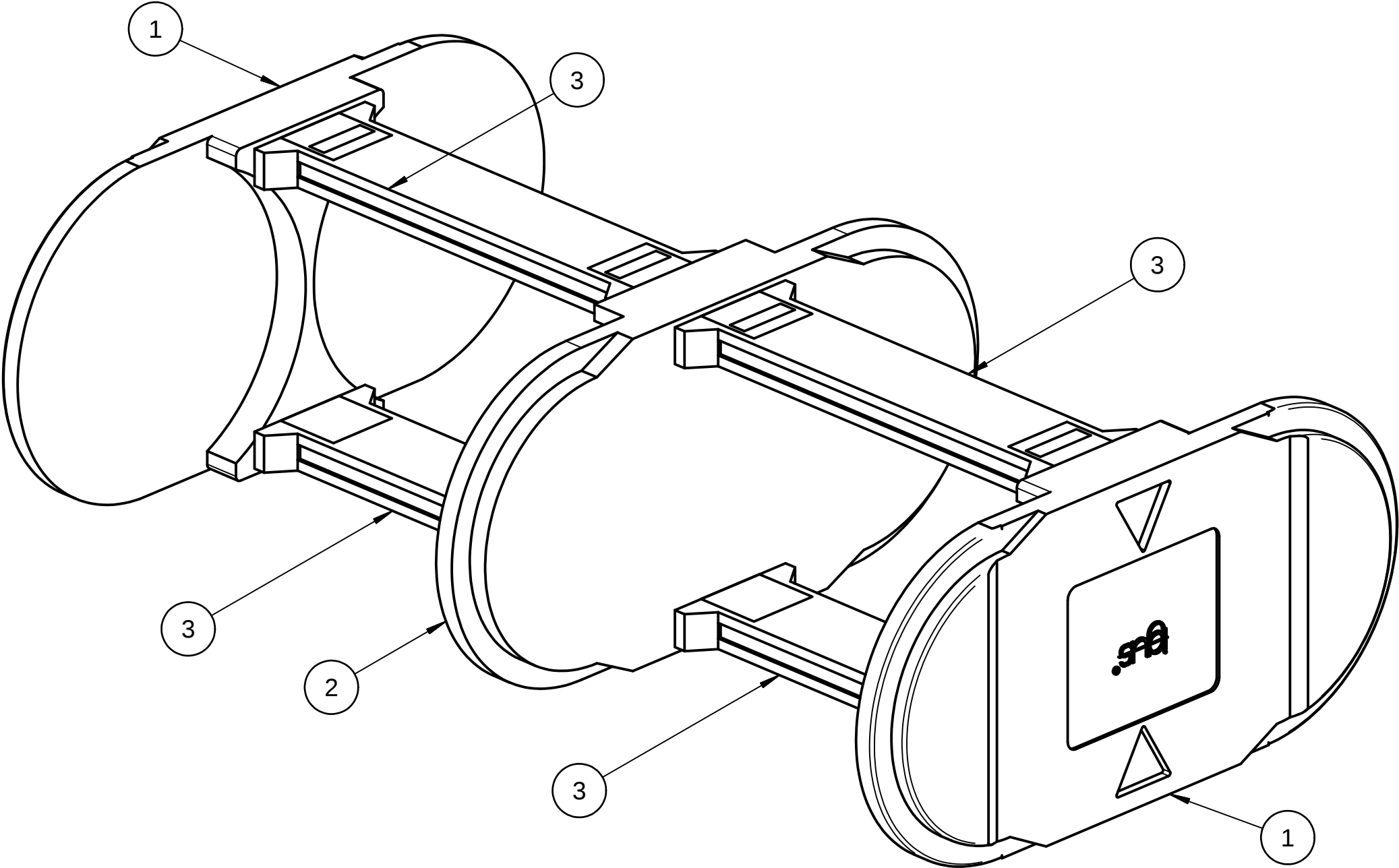
1	10/10/07		AEH	 24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. 01473 217477	CONFIDENTIAL This drawing embodies confidential information, the property of KOCUREK EXCAVATORS Ltd, to whom the copyright belongs. This drawing may not be copied or used for any purpose other than that for 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 NTS	DRAWN AEH	DATE 10/10/07	TITLE OILON PAD ASSY	
								IF IN DOUBT ASK	MATERIAL			
								ISS	DATE	MOD	DRN	DO NOT SCALE



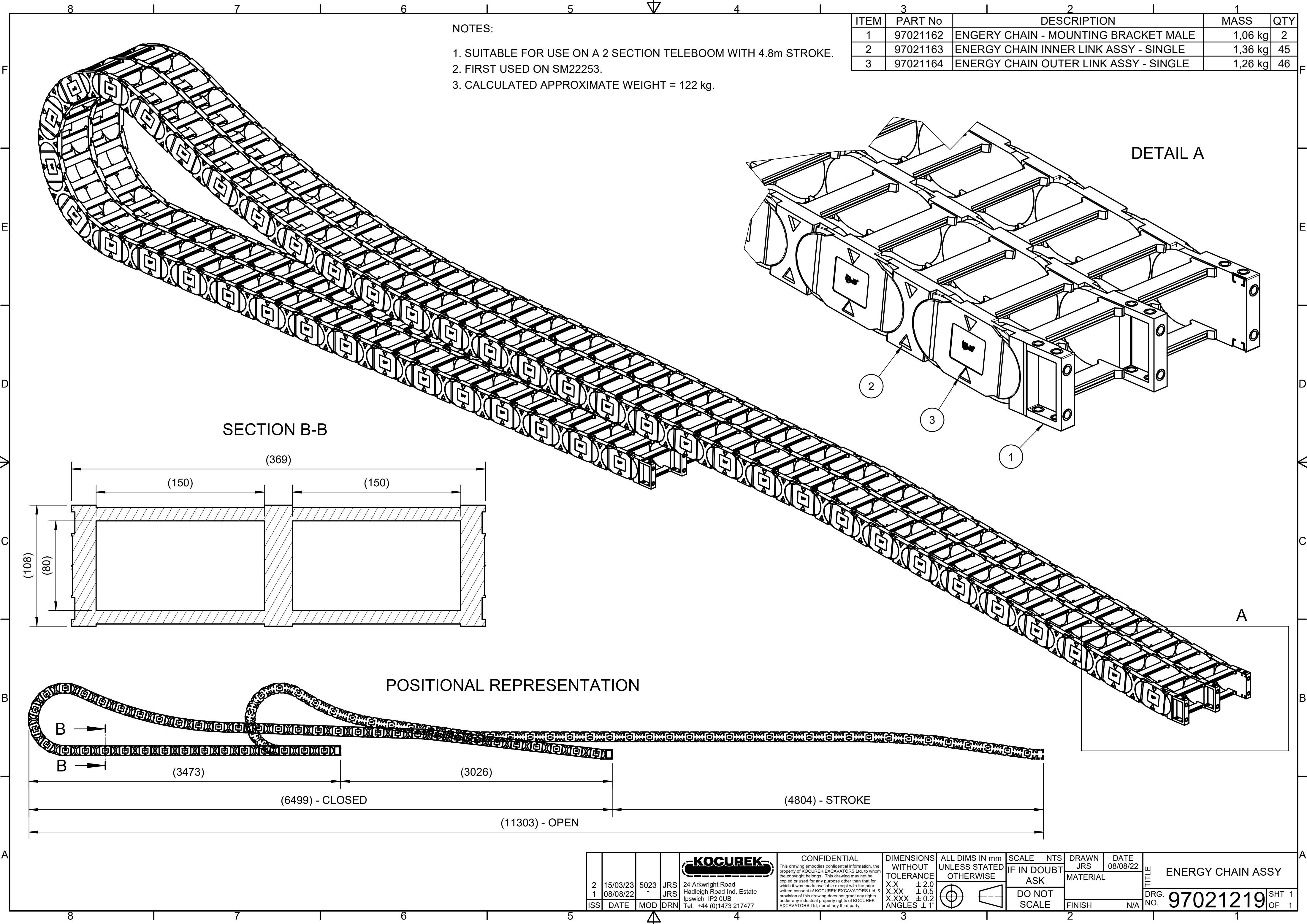
ITEM	PART No	DESCRIPTION	MASS	QTY
1	97021143	ENERGY CHAIN - CENTRE STRAP BRACKET MALE	0.24 kg	1
2	97021144	ENERGY CHAIN - BRACKET SIDE PIECE MALE	0.28 kg	2
3	97021149	CROSS BAR 150mm	0.06 kg	4

					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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN HAB MATERIAL FINISH	DATE 04/12/14	ENGERY CHAIN - MOUNTING BRACKET MALE			
1	04/12/14	-	HAB	24 Arkwright Road Hadleigh Road Ind. Estate Ipswich IP2 0UB Tel. +44 (0)1473 217477							TITLE	DRG. NO.	97021162	SHT 1 OF 1
ISS	DATE	MOD	DRN											

ITEM	PART No	DESCRIPTION	MASS	QTY
1	97021145	OUTER LINK	0.30 kg	2
2	97021147	OUTER CENTRE STRAP	0.39 kg	1
3	97021149	CROSS BAR 150mm	0.06 kg	4



1	04/12/14	-	HAB	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 NTS IF IN DOUBT ASK DO NOT SCALE	DRAWN HAB DATE 04/12/14 MATERIAL FINISH	TITLE ENERGY CHAIN OUTER LINK ASSY - SINGLE DRG. NO. 97021164 SHT 1 OF 1
ISS	DATE	MOD	DRN							



2	15/03/23	5023	JRS	24 Arkwright Road
1	08/08/22	-	JRS	Hadleigh Road Ind. Estate
ISS	DATE	MOD	DRN	Ipswich IP2 0UB
				Tel. +44 (0)1473 217477

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DIMENSIONS WITHOUT TOLERANCE

X.X ± 2.0

X.XX ± 0.5

X.XXX ± 0.2

ANGLES ± 1°

ALL DIMS IN mm UNLESS STATED OTHERWISE

DO NOT SCALE

SCALE NTS IF IN DOUBT ASK

DO NOT SCALE

DRAWN JRS DATE 08/08/22 MATERIAL FINISH N/A

TITLE ENERGY CHAIN ASSY

DRG. NO. 97021219 SHT 1 OF 1

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