



ITEM	DESCRIPTION	QTY	PART NUMBER
01	COVER	1	C520-01-100
02	GEARCASE	1	C520-02-100
03	QUADRAFIT 61:1 RH CUT	1	C520-03-100-P02
04	WORMSHAFT 61:1 RH CUT	1	C520-04-100-P02
05	INPUT PINION 11 TEETH	1	C520-05-300
06	INDICATOR	1	C506-06-100
07	SPUR WHEEL 33 TEETH	1	C520-17-500
08	INPUT OIL SEAL	1	C503-09-100
09	NAMEPLATE	1	C503-02-101
10	WORKSHAFT BEARING 7307B	2	0416-0201-007
11	PINION SHAFT BEARING 6204	2	0416-0100-005
12	SPUR SCREW M20x70 SRT.SET	2	0019-0500-244
13	LOCKWASHER	2	0203-0100-011
14	PROTECTION CAP	2	0509-0100-009
15	QUADRAFIT O RING 114.5x120.5x3	1	0501-0000-093
16	INDICATOR O RING 4.5/4 x3 x1/8	2	0500-0000-248
17	M10 ELEMENT	2	0240-0000-003
18	ENDU SCREW M10x50 SRT.SET	2	0013-0300-140
19	COVER SCREW M10x55 HX.HD.	6	0003-0000-127
20	COVER DOWEL 10x28 H&G	3	0511-0100-143
21	SPUR WHEEL KEY 10x8x28 SQ.ENDS	1	0501-0100-024
22	WHEEL CIRCLIP TYPE1400-30	1	0701-0300-025

NOTES :-

- TRAVEL 90° ±5° AT EACH END
- RATIO 183:1
- TURNS TO CLOSE 45.75
- MECHANICAL ADVANTAGE 57 ±10%
- MAXIMUM INPUT TORQUE (5000 CYCLES) 105Nm
- MAXIMUM OUTPUT TORQUE (5000 CYCLES) 6000Nm
- MAXIMUM INPUT TORQUE (1000 CYCLES) 126Nm
- MAXIMUM OUTPUT TORQUE (1000 CYCLES) 7200Nm
- MINIMUM MOUNTING HOLES F16
- MAXIMUM MOUNTING HOLES F25

THIRD ANGLE PROJECTION SYMBOLS BS308	GENERAL TOLERANCES	MACHINED FACES AND SURFACE TEXTURE TO BE 1/6° UNLESS STATED REMOVE BURRS AND SHARP EDGES	THIS DRAWING/DESIGN IS THE PROPERTY OF OPPERMAN MASTERGEAR LTD AND COPIED WITHOUT THEIR SPECIFIC WRITTEN CONSENT	SHEET SIZE
FINISH	± 1.5 ± 0.25 ± 0.130 ± 1/2		DO NOT SCALE - IF IN DOUBT ASK	A1

C	Ø92 WAS Ø94	PAB	26Feb04
B	STOP SCREW WAS 50 LONG IN ERROR	PAB	10Nov03
A	ORIGINAL		01Apr03
REV	REMARKS	C/NOTE	DATE

TITLE M20 ASSEMBLY AND MAJOR DIMENSIONS

UNLESS OTHERWISE STATED ALL DIMENSIONS ARE IN	DRN	PAB	CHKD	PRB	DATE	01Apr03
MATERIAL N/A						

OPPERMAN MASTERGEAR LTD
HAMBURIDGE ROAD,
NEWBURY, BERKSHIRE,
RG14 5TS,
ENGLAND

DRG No. C520-00-100