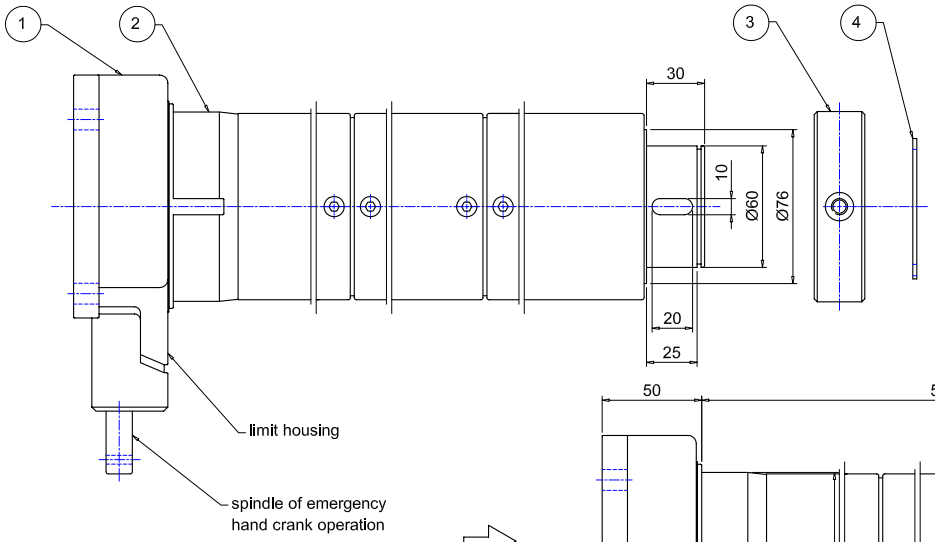
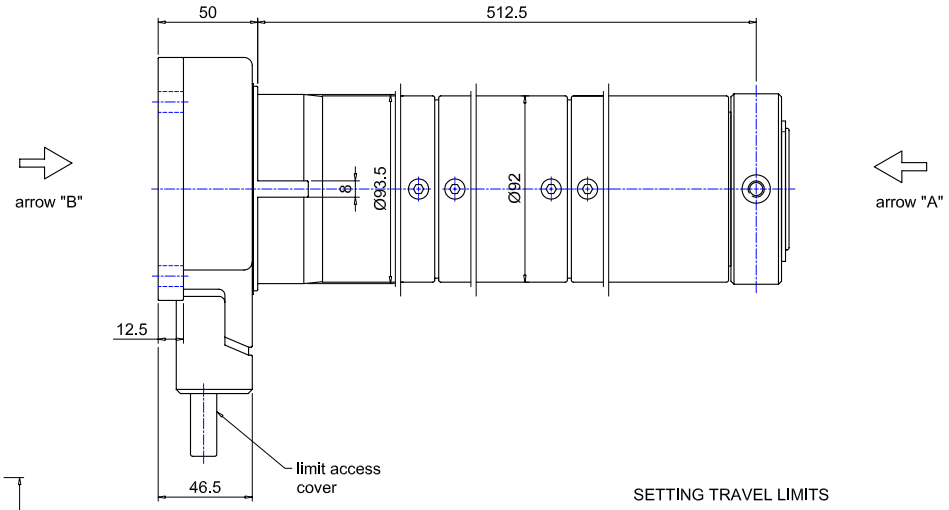
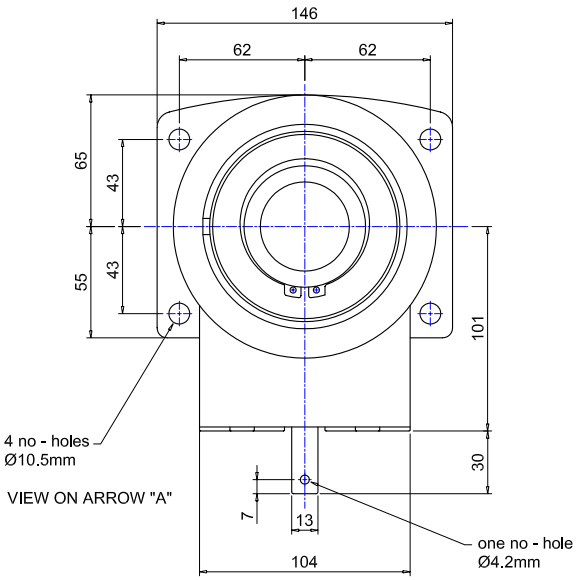
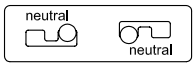
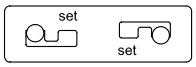
BILL OF MATERIAL		
Item	Q't'y	Description
1	1	SL2-MA with hand crank tubular motor
2	1	94mm plastic moulded limit collar
3	1	94mm steel drive adapter
4	1	57mm dia spring steel circlip





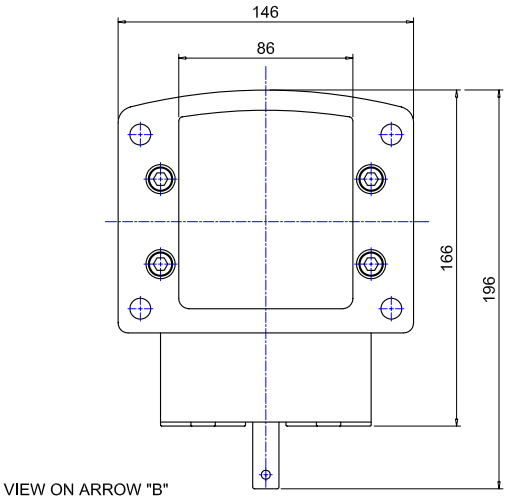


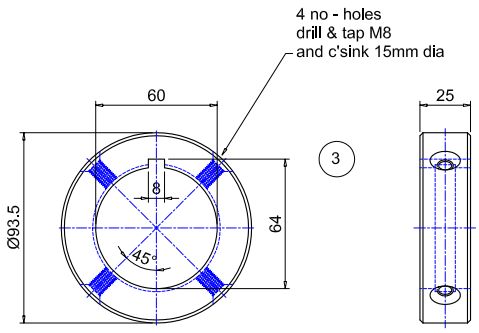


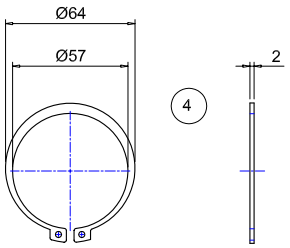


SETTING TRAVEL LIMITS

a) Prior to running the tube motor, set the limit buttons in the neutral position.
b) Run shutter to fully open position, stop motor and position button in "set" position.
c) Run button to fully closed position, stop motor and position button in "set" position.
d) Run the shutter and test that the limits are activating at the required position. If not, retrace previous steps.







Model	SL2-140MA	SL2-180MA	SL2-230MA
Voltage	230 volts	230 volts	230 volts
Power	680 watts	760 watts	880 watts
Current	3.2 amps	3.5 amps	4.0 amps
Torque	140Nm	180Nm	230Nm
Duty rating	4 mins	4 mins	4 mins
Output speed	12 rpm	12 rpm	12 rpm
Unit weight	14 kgs	14 kgs	14 kgs
Limit turns	16	16	16

Title

Design details of SL2-140MA,SL2-180MA & SL2-230MA reduced headroom tube motor with permanently engaged manual operation.

Date	21/3/2006
Dwn by	Ron Swift
Ch'k'd by	C Foster
Dwg #	RS/TM/SL2MA/10005/004-4

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