

A Curtiss-Wright Company

The **Penny+Giles ICT050 Contactless In-Cylinder Linear Transducer** has been specifically designed for small bore mobile and static hydro-pneumatic actuators.

Designed primarily for the off-highway markets, the ICT050 linear transducer provides reliable, fit-and-forget position sensing of the cylinder rod in actuators with strokes up to 500mm.

It is a robust, non-contact transducer suitable for the harsh conditions of lifting and steering position applications and hydro-pneumatic active suspension systems. It works on an inductive coil principle, with virtually infinite resolution and is capable of withstanding temperatures up to 200°C and working pressures up to 500Bar.



ICT050 IN-CYLINDER LINEAR TRANSDUCER

www.pennyandgiles.com

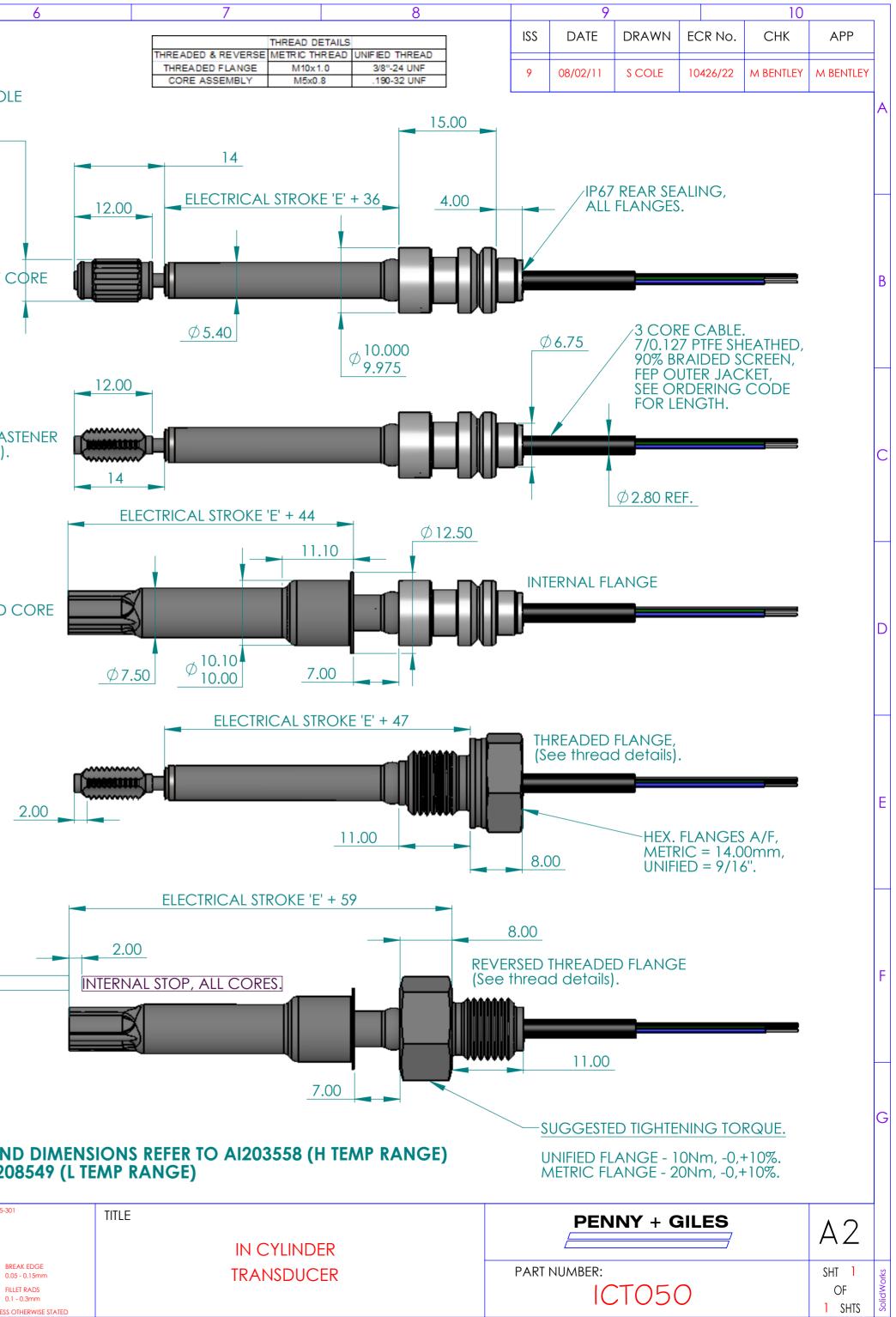
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Innovation In Motion

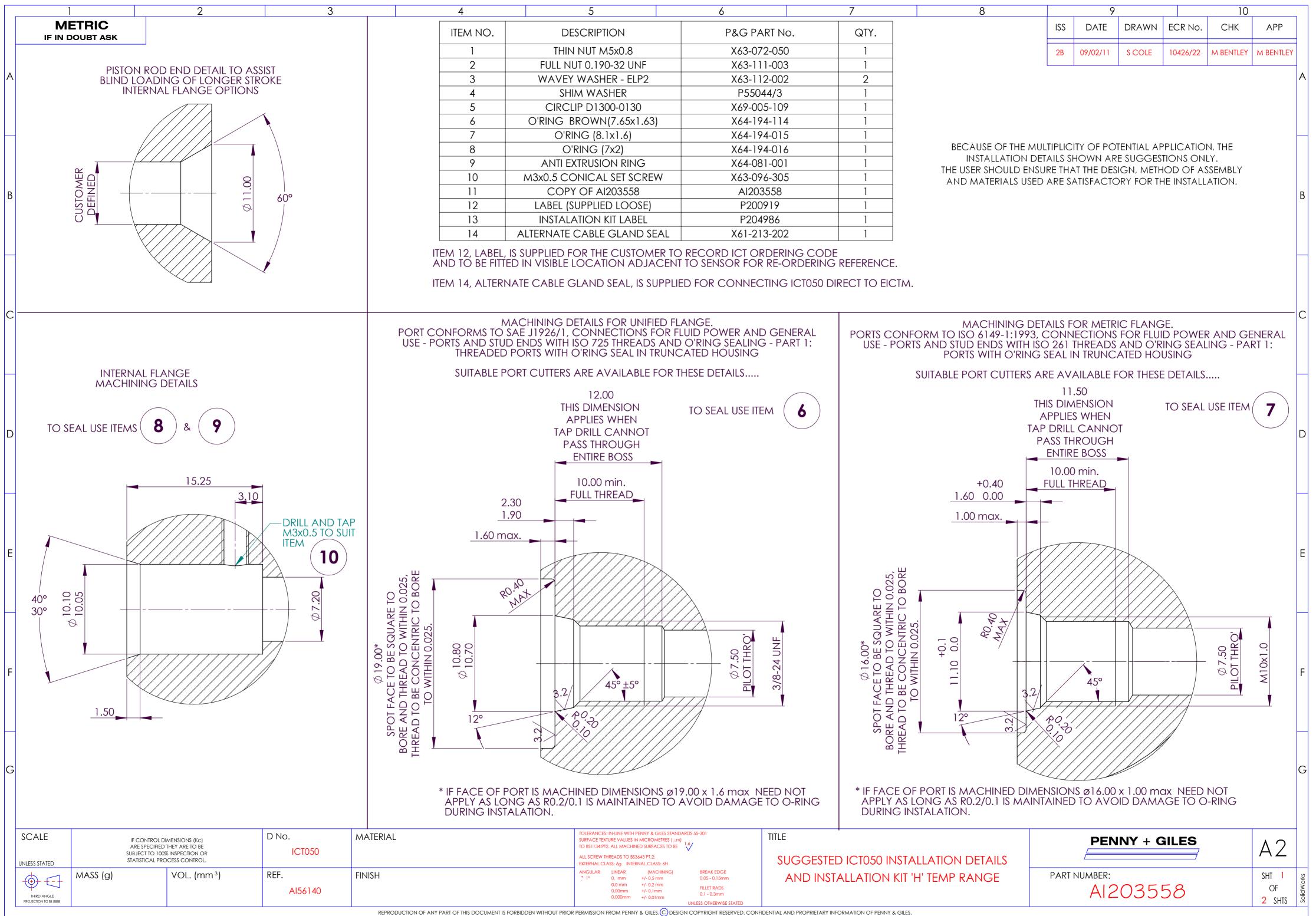
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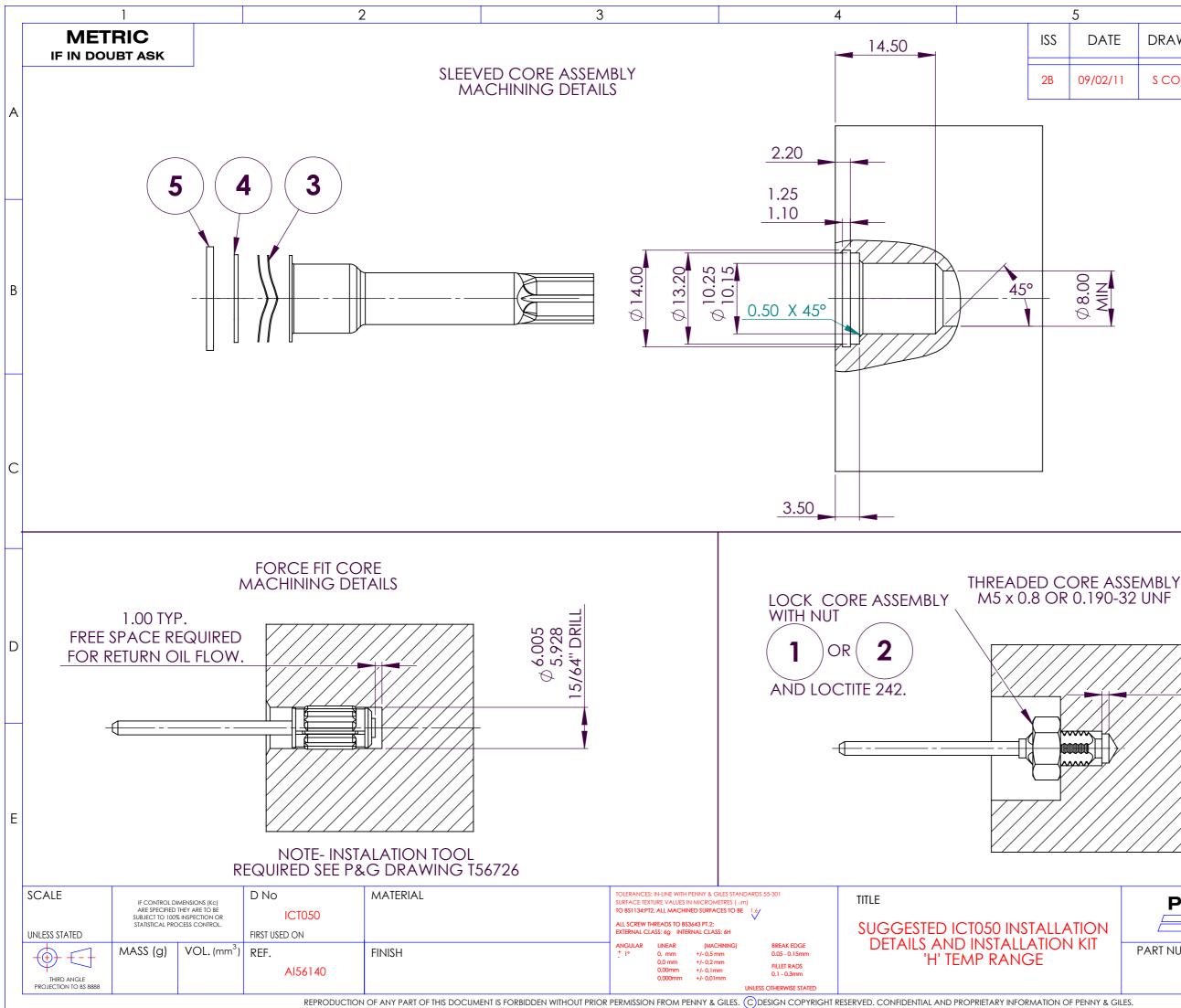
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	1		2	3		4		5	
		ETRIC OUBT ASK		SPECIFICATION					
	ELECTRICAL STROKE LENGTH 'E' 25mm TO 200mm (IN 5mm INCREMENTS) 210mm TO 500mm (IN 10mm INCREMENTS)							DRILLED HOL	
A									Ø 6.005 Ø 5.928
В	RESOLUTION MAX, WORK INSULATION GREEN WIRE <u>NOTES</u> 1. STROKE LE 2. THESE SPE	ING PRESSURE RESISTANCE BONDING RES ENGTH 'E' SPEC CIFICATIONS AI	< ± 300ppm OF < ± 0.75% INFINITE 500 BAR	ELECTRICAL STROKE/% STROKE MAX O CASE >50MQ @50V E >50MQ @50V BLE LENGTH IN METRES I RANGE 25mm TO 500	C (-20°C TO + /dc /dc) Ω, e.g. 20M)mm.	+200°C) I CABLE = 1+ (0.21×20) :			FORCE FIT C
С	PROGRAMM EACH TRANS THE MODULE IT IS IMPORT E.G. <u>SENSC</u>	NIC MODULES A AING MODULE SDUCER IS SUPP E IS PLUG GED IN	RE ORDERED SEPARATELY, LIED WITH A SENSOR LENG NTO THE REQUIRED 'EICT' E DUCER STROKE LENGTH AN DULE SA204323/ <u>200</u> ICT050/EM/T/ <u>20</u>	TH MODULE CALIBRATE LECTRONIC MODULE V D THE SENSOR LENGTH	ED TO MATCH	H THE ELECTRICAL STROK			ED CORE FAS ead details).
			ORDERING CODE	THREADED FLANGE					
D	EU =EXTERN RM =REVERS RU =REVERS CORE OPTION SC = SLEEVE TU = THREA	IAL METRIC FLANG IAL UNIFIED FLANC SED THREADED ME SED THREADED UN	FE GE TRIC FLANGE IFIED FLANGE						SLEEVED
E	FF = FORCE STROKE LENGT	E FIT 'H 'E' IN mm RANGE (OPERATII 200°C							
			ORDERING CODE IN	TERNAL FLANGE					
F	<u>CORE OPTION</u> SC = SLEEV TM = THREA	NAL FLANGE	RIC		E	EXTENSION LIMIT, ALL CORES.		ELECTRICAL	STROKE
G	TU = THREADED CORE UNIFIED FF = FORCE FIT STROKE LENGTH 'E' IN mm								ROFILES AN OR AI20
	SCALE UNLESS STATED	ARI SUBJ STAT	CONTROL DIMENSIONS (Kc) E SPECIFIED THEY ARE TO BE ECT TO 100% INSPECTION OR ISTICAL PROCESS CONTROL.	D No.	MATERIAL			TOLERANCES: IN-LINE WITH PEH SURFACE TEXTURE VALUES IN N TO BS1134:PT2. ALL MACHINED ALL SCREW THREADS TO BS364 EXTERNAL CLASS: 6g INTERN, ANGULAR LINEAR	MICROMETRES (µm) D SURFACES TO BE
	THIRD ANGLE PROJECTION TO BS 8888	MASS (g)	VOL. (mm ³)	REF.	FINISH	CLEAN		_ ⁺ 1° 0, mm 0,0 mm 0,00mm	(MACHINING) BH +/- 0,5 mm 0. +/- 0,2 mm Fil +/- 0,1 mm 0. +/- 0,0 1mm UNLESS



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6 ECR No. APP DATE DRAWN CHK M BENTLEY M BENTLEY 09/02/11 S COLE 10426/22 В С 1.00 TYP D FREE SPACE REQUIRED FOR RETURN OIL FLOW. Е **PENNY + GILES** Α3 PART NUMBER: SHT 2 OF AI203558 2 SHTS

