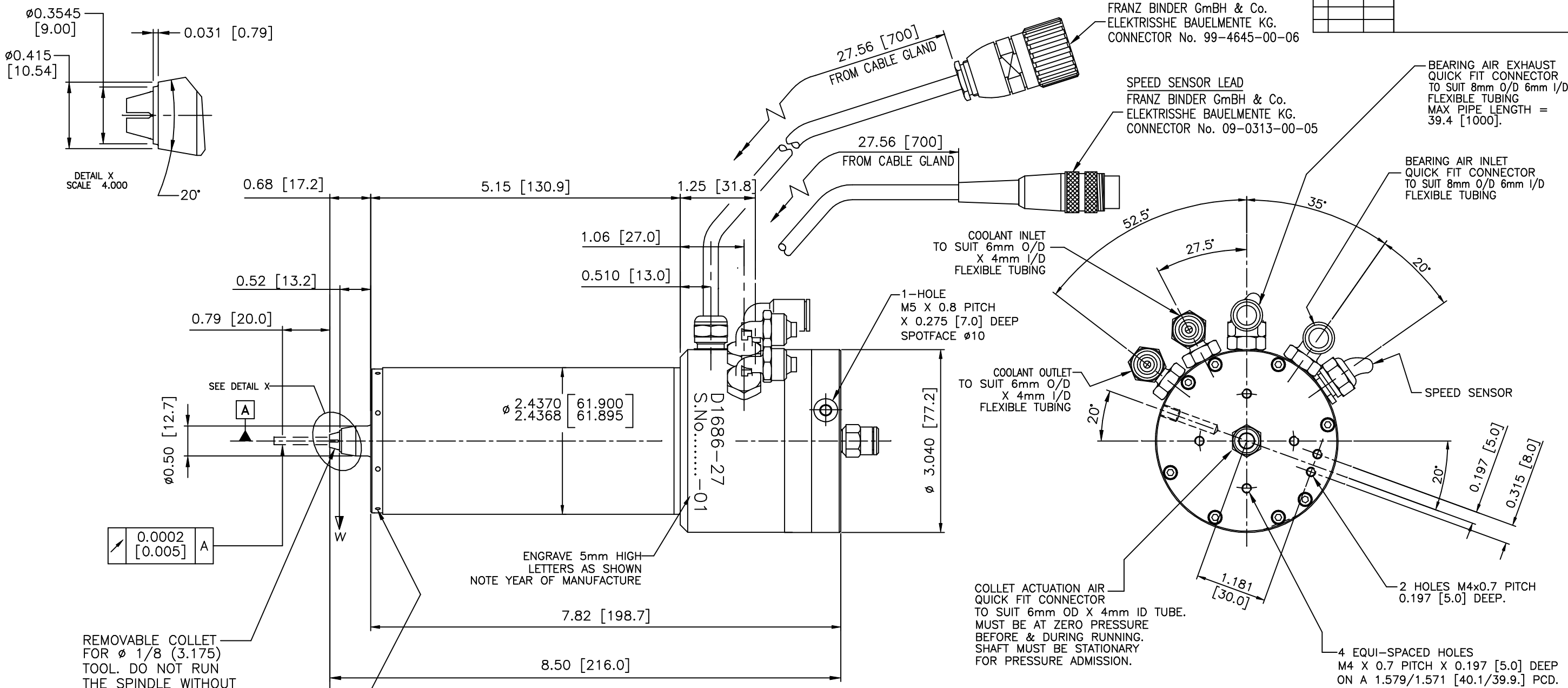
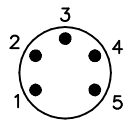
DRAWING No.		DO NOT SCALE DRAWING	PROJECTION	IF IN DOUBT ASK
248073–A	THE DRAWING AND DESIGN ARE THE PROPERTY OF WESTWIND AIR BEARINGS LTD. THEY REMAIN AT ALL TIMES THEIR PROPERTY AND MUST NOT BE USED TO THE DETRIMENT OF THEIR INTERESTS.			

PREVIOUS MODIFICATIONS			MOD No.	DATE	MODIFICATION	ISSUE
ISS.	MOD. No.	DATE				A

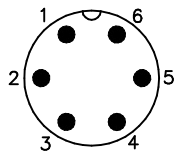


COLLET SIZE	PART NUMBER
ø 1/8"	40374CT



PIN 1 : + 5 VOLTS (RED)
PIN 2 : 0 VOLTS (BLUE)
PIN 3 : SIGNAL (YELLOW)
PIN 4 : SCREEN
PIN 5 : NOT CONNECTED

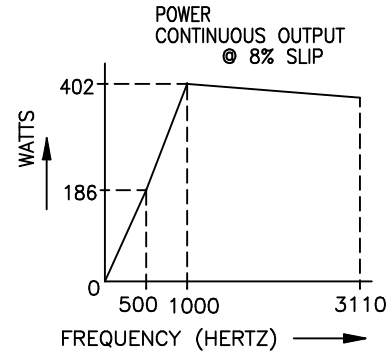
SPEED PROBE PIN CONNECTIONS

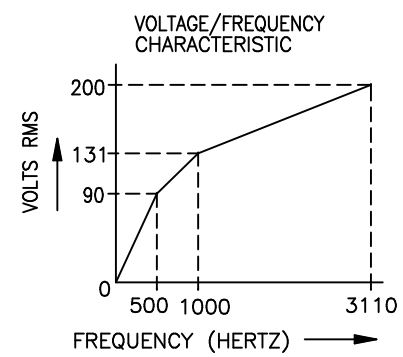


PIN 1 – MOTOR PHASE (BLUE)
PIN 2 – MOTOR PHASE (RED)
PIN 3 – MOTOR PHASE (WHITE)
PIN 4 – EARTH
PIN 5 – THERMISTOR
PIN 6 – THERMISTOR

ELECTRICAL SUPPLY PIN CONNECTIONS

BASIC SPECIFICATION	IMPERIAL UNITS		METRIC UNITS	
BEARING AIR SUPPLY PRESSURE	80	P.S.I.G.	5.6	Kg/cm ^{2}
AIR CONSUMPTION (AT 80 P.S.I.G.)	4.4	S.C.F.M.	122	Litres/min
COOLING WATER FLOW	21.3	IMP. GALL/Hr	1.6	Litres/min
COOLING WATER INLET TEMPURATURE	16–20 °C			
MAX. HEAT DISSIPATION TO COOLING WATER	1906	BTU/HOUR	560	WATTS
RADIAL FAILURE LOAD AT W (AT 180,000 RPM)	16	lbf	7.2	Kgf
AXIAL FAILURE LOAD (PUSH)	40	lbf	18.1	Kgf
MAXIMUM SPEED	180,000 RPM			
COLLET ACTUATION PRESSURE	78–82	P.S.I.G.	5.5–5.8	Kg/cm ^{2}
APPROX. WEIGHT	7.3	lb	3.3	Kg
MAXIMUM AXIAL ACCELERATION	60g [DERIVED THEORETICAL MAXIMUM]			
ADDITIONAL APPLICATIONS INFORMATION IS AVAILABLE ON REQUEST				





GEOMETRIC TOLERANCE SYMBOLS			
CHARACTERISTIC	SYM	CHARACTERISTIC	SYM
STRAIGHTNESS	–	CYLINDRICITY	⌭
ROUNDNESS	○	SQUARENESS	⊥
PARALLELISM	//	CONCENTRICITY	◎
ANGULARITY	∠	SYMMETRY	⌯
RUN OUT	↗	FLATNESS	▱
TOTAL RUN OUT	↗↗	POSITION	⌖

LIMITS: NOMINAL UNLESS OTHERWISE STATED

	SIGNED	DATE
DRAWN	CJB	19.4.06
CHECKED	CB	19.4.06
DEVELOPMENT APPROVAL	JDS	19.4.06

DIMENSIONS IN INCHES
REMOVE SHARP EDGES

TITLE: *PROVISIONAL OUTLINE*

PRODUCT	DRAWING No.
D1686–27	248073–A

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