

SPINDLE OPTIONS

COLLET SIZE	SPINDLE NUMBER	SPARE COLLETS PART NUMBERS
Ø0.1251/0.1253	D1331-49A	41611
Ø0.1184/0.1182	D1331-49B	47747

BASIC SPECIFICATION	IMPERIAL UNITS	METRIC UNITS
BEARING AIR SUPPLY PRESSURE	80 P.S.I.G.	5.6 Kg/cm <sup>2</sup>
AIR CONSUMPTION (AT 61 P.S.I.G.)	2 S.C.F.M.	56 Litres/min
COOLING WATER FLOW	33 IMP. GALL/Hr	2.5 Litres/min
COOLING WATER INLET TEMPERATURE	16-20 °C	
MAX. HEAT DISSIPATION TO COOLING WATER	1633 BTU/HOUR	480 WATTS
RADIAL FAILURE LOAD AT W (AT 125000 RPM)	26 lbf	11.8 Kgf
AXIAL FAILURE LOAD (PUSH)	55 lbf	25 Kgf
MAXIMUM SPEED	125,000 RPM	
COLLET ACTUATION PRESSURE RANGE	78-82 P.S.I.G.	5.5-5.8 Kg/cm <sup>2</sup>
MAXIMUM COLLET TORQUE	25 lb in	2.8 N m
APPROX. WEIGHT	8.57 lb	3.89 Kg
MAXIMUM AXIAL ACCELERATION	25g ( DERIVED THEORETICAL MAXIMUM )	

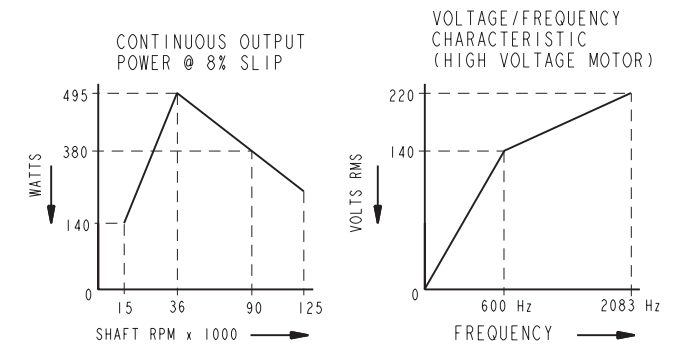
ADDITIONAL DETAILED INFORMATION IS AVAILABLE ON REQUEST

NOTE A:-  
ELECTRICAL SUPPLY 0.8 METRES LONG SCREENED CABLE  
POWER=4-CORE 3-PHASE (WHITE,BLACK,BLUE)  
EARTH=(GRN/YEL)  
SCREEN TO BE EARTHED THRO' CONNECTOR CLAMP

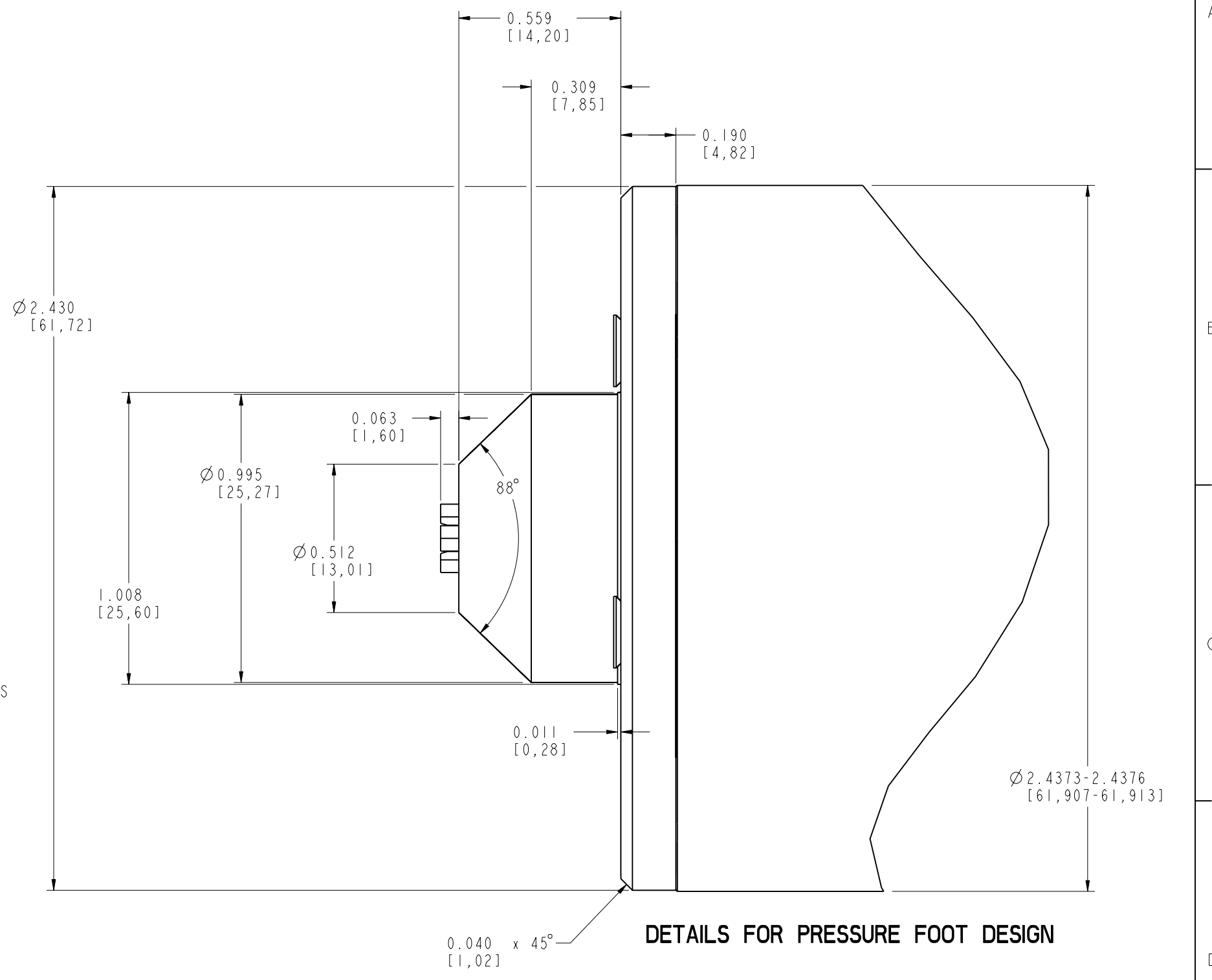
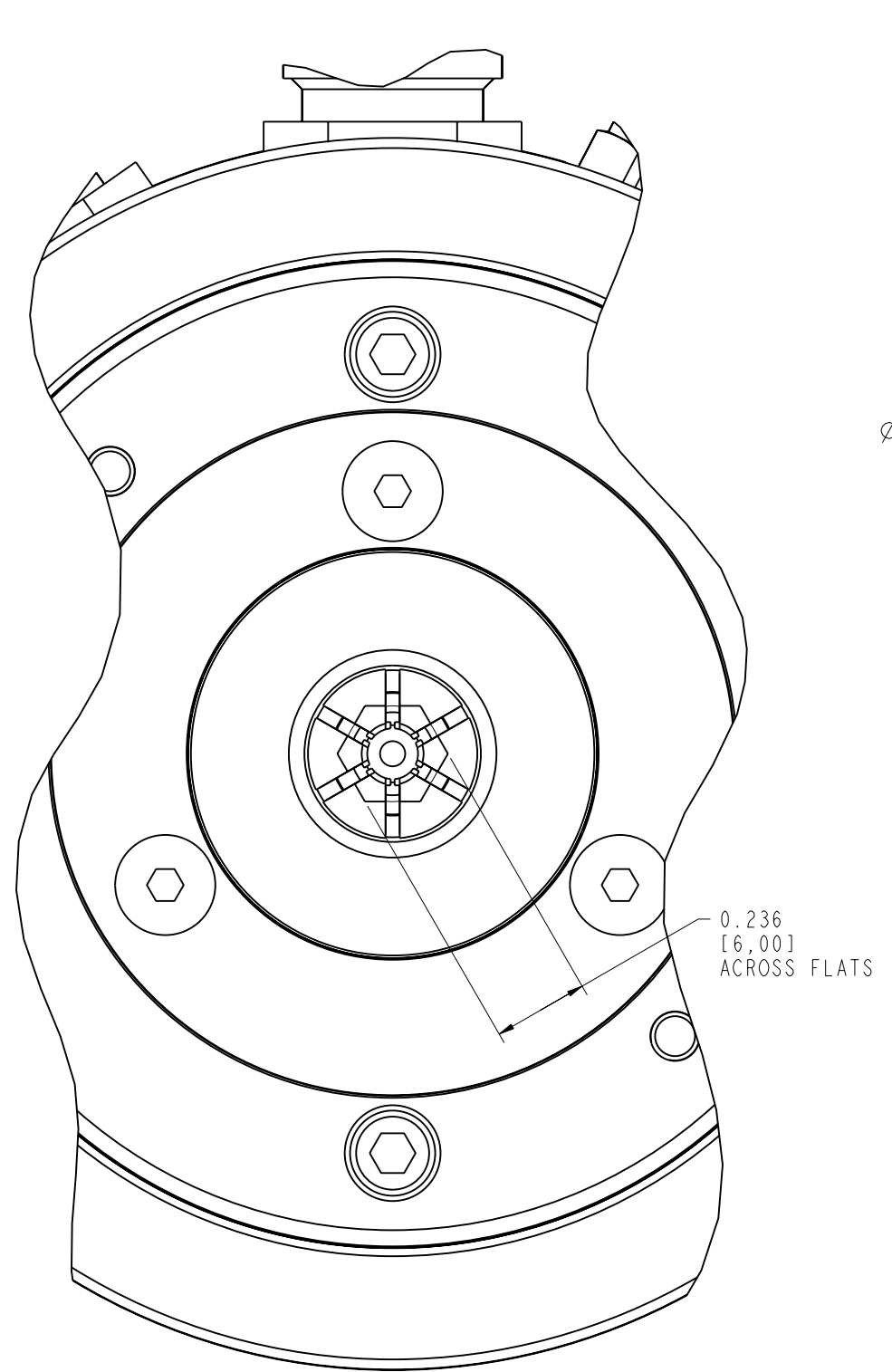
COLOUR	FUNCTION
BLACK	POWER 3 PHASE
WHITE	POWER 3 PHASE
BLUE	POWER 3 PHASE
GRN/YEL	POWER EARTH

NOTE B:-  
5-CORE SCREENED LEAD FOR INSTRUMENTATION 0.8M LONG SPEED SENSOR  
SIEMENS FP212L100-2  
WHITE SIGNAL  
MOTOR THERMISTOR  
SIEMENS P317-M135 (PTC)  
RED & YELLOW  
SCREEN TO BE EARTHED THRO' CONNECTOR CLAMP

COLOUR	FUNCTION
WHITE	0V SPEED SENSOR
BROWN	+5V SPEED SENSOR
GREEN	+5V SIGNAL SPEED SENSOR
YELLOW	0V MOTOR THERMISTOR
GREY	SIGNAL MOTOR THERMISTOR



GEOMETRIC TOLERANCE SYMBOLS	LIMITS	SIGNED	DATE	TITLE	PRODUCT	DRAWING No.	ISSUE
CHARACTERISTIC SYM CHARACTERISTIC SYM							
STRAIGHTNESS — CYLINDRICITY ⊙	NOMINAL UNLESS STATED	DRAWN	SEF 4.12.01	PROVISIONAL OUTLINE	SEE TABLE	41318 - G	
ROUNDNESS — SQUARENESS ⊥		CHECKED	SEF 4.12.01				
PARALLELISM // CONCENTRICITY ⊙		DESIGN APPROVAL	MW 5.12.01				
ANGULARITY ∠ SYMMETRY ≡		APPLICATION APPROVAL	-				
RUN OUT — FLATNESS ⊥							
TOTAL RUN OUT — POSITION ⊕							



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CHARACTERISTIC	SYM	CHARACTERISTIC	SYM	NOMINAL UNLESS STATED	DRAWN	SEF	4.12.01	PROVISIONAL OUTLINE	SEE TABLE	41318 - G
STRAIGHTNESS	—	CYLINDRICITY	⊘		CHECKED	SEF	4.12.01			
ROUNDNESS	○	SQUARENESS	⊥		DESIGN APPROVAL	MW	5.12.01			
PARALLELISM	∥	CONCENTRICITY	⊙		APPLICATION APPROVAL	-	-			
ANGULARITY	∠	SYMMETRY	≡							
RUN OUT	↗	FLATNESS	▭							
TOTAL RUN OUT	↗	POSITION	⊕							

