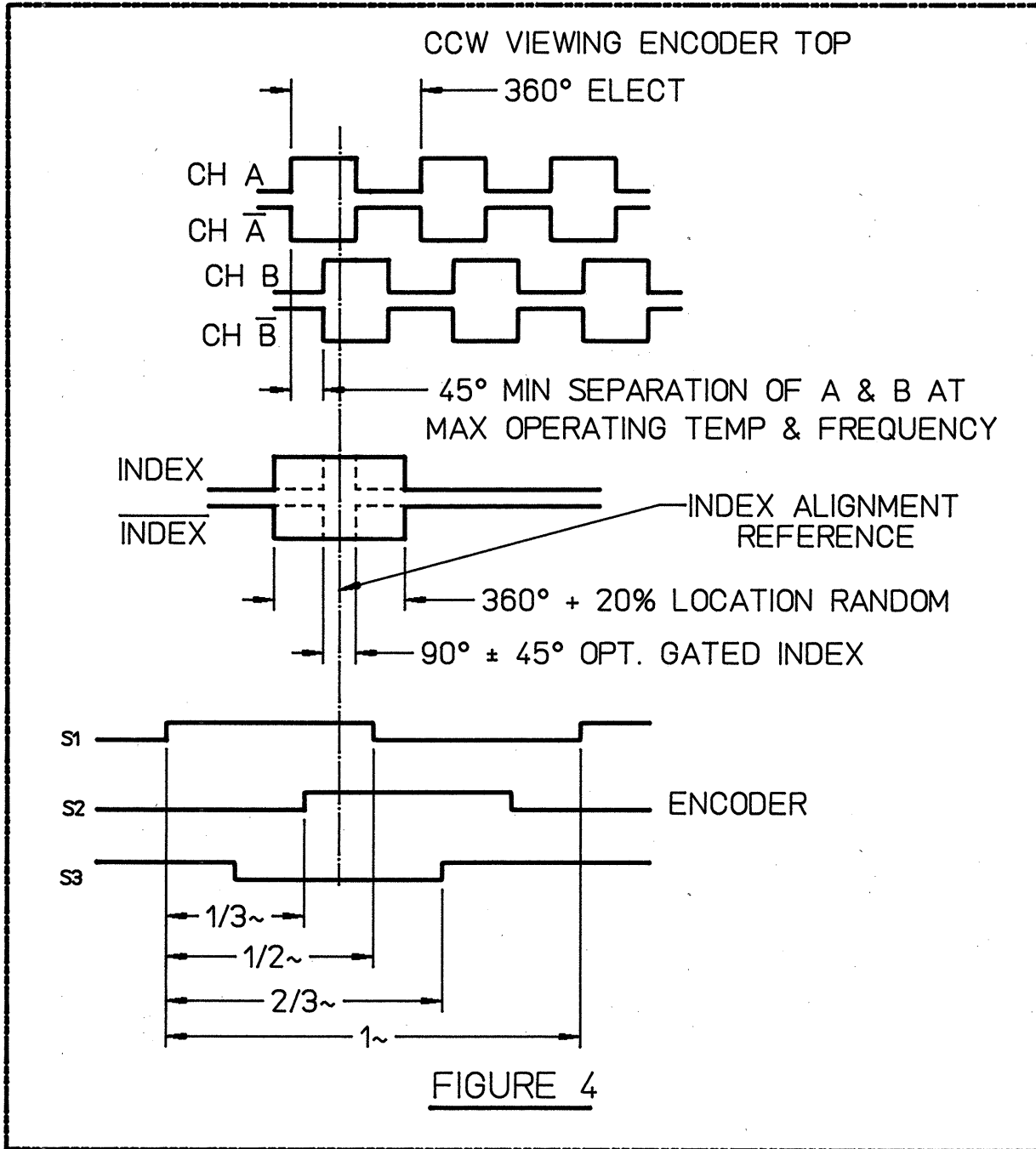
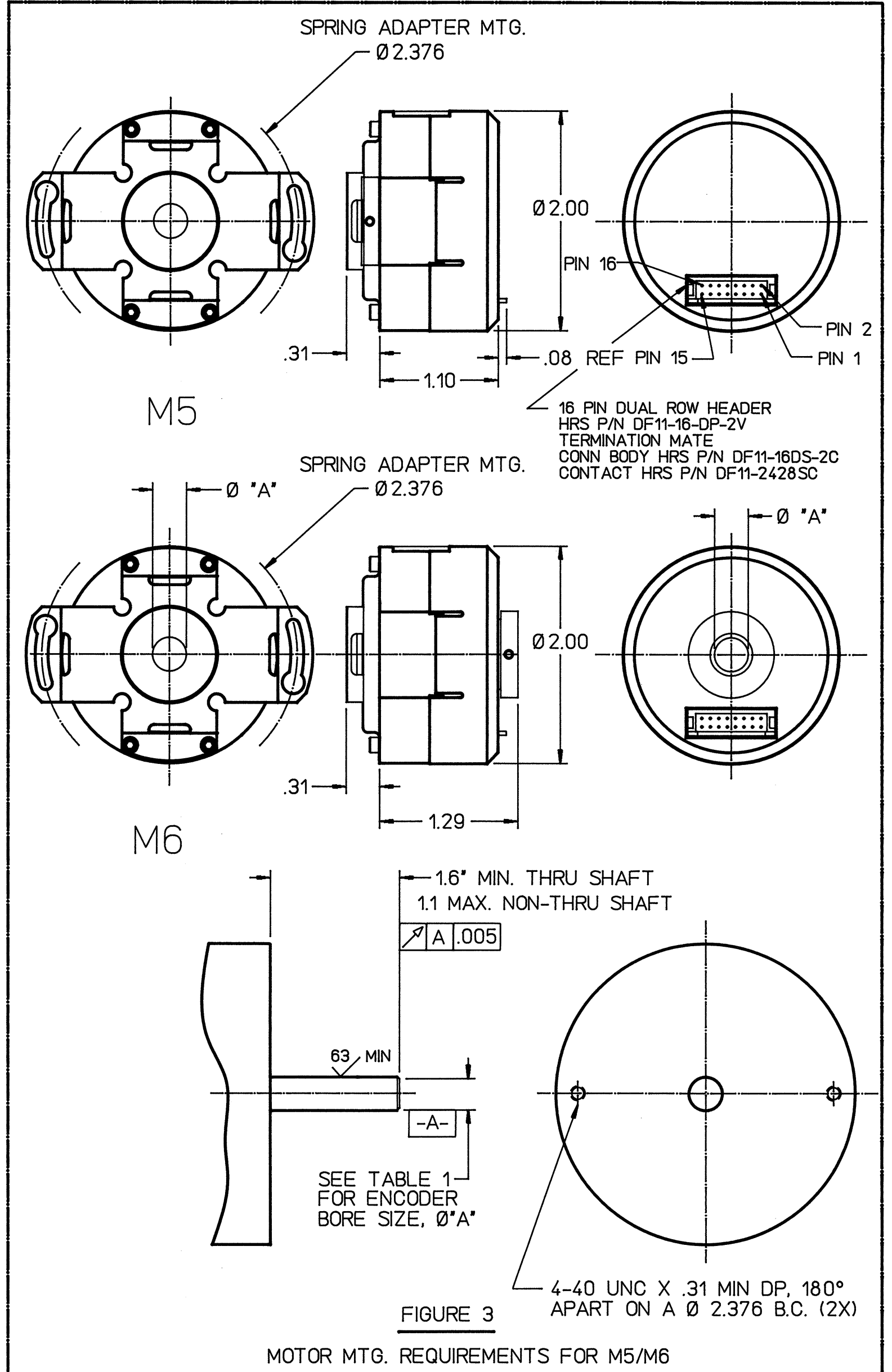
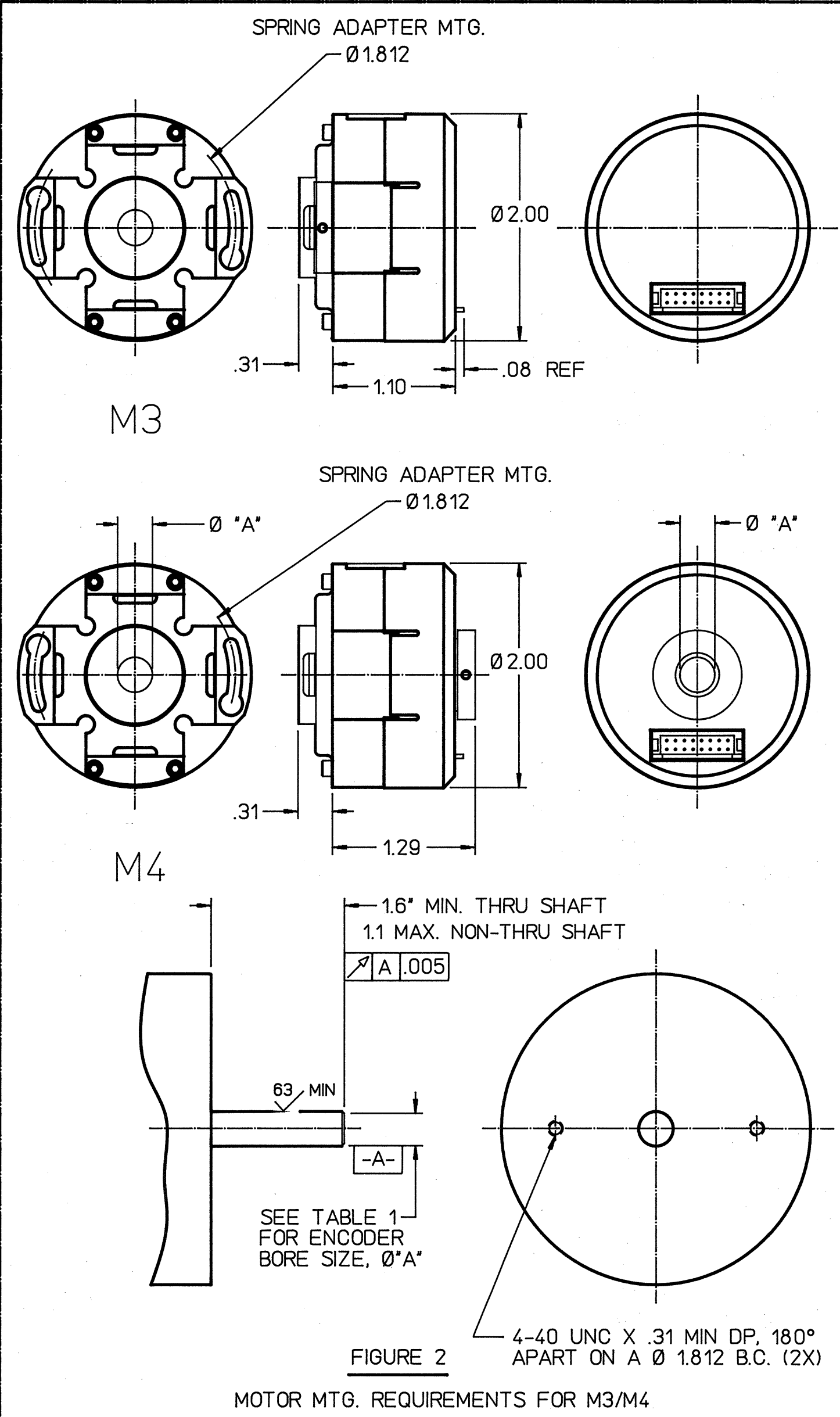
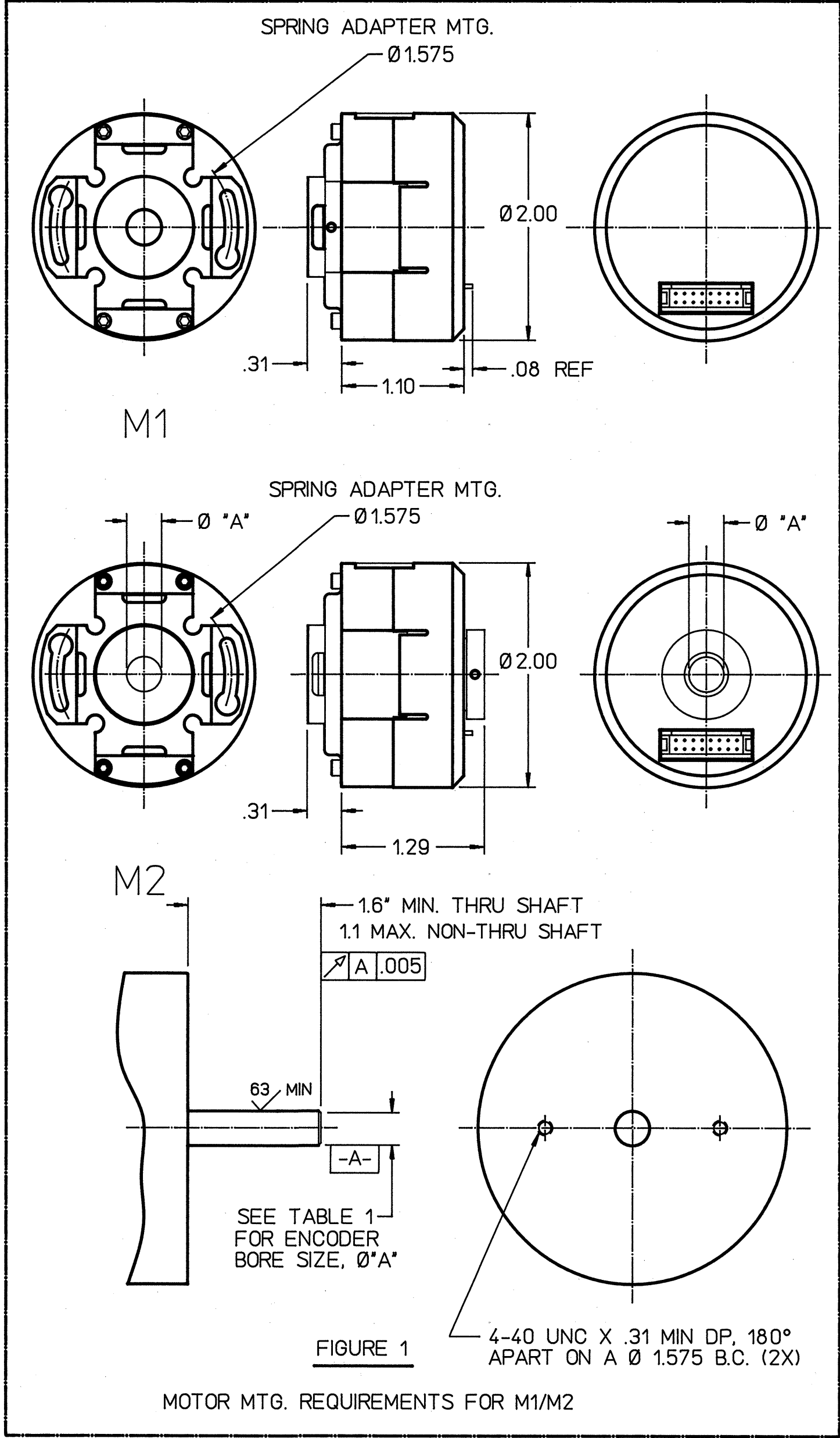


NOTES: UNLESS OTHERWISE SPECIFIED

- 1.0 SCOPE
- 1.1 THIS SPECIFICATION DESCRIBES THE REQUIREMENTS FOR AN INCREMENTAL HOLLOW SHAFT ENCODER W/ COMMUTATION SIGNALS.
- 2.0 MECHANICAL SPECIFICATIONS
- 2.1 DIMENSIONS: SEE FIGURES 1-3
- 2.2 MOUNTING REQUIREMENTS: SEE FIGURES 1-3
- 2.3 TERMINATION: SEE TERMINATION TABLE
- 2.4 MOTOR END PLAY: $\pm .030$ (INCREASING SPRING HEIGHT)
- 3.0 ELECTRICAL SPECIFICATIONS
- 3.1 CODE: INCREMENTAL PLUS COMMUTATION AND ONCE/REV. PULSE MARKER
- 3.2 PULSES PER REVOLUTION: RESOLUTIONS TO 9000~.
- 3.3 SUPPLY VOLTAGE: 5.0 Vdc SINGLE SUPPLY
- 3.4 CURRENT: 300 ma AV. DEPENDENT ON OUTPUT CONSULT FACTORY.
- 3.5 OUTPUT FORMAT: DATA (SEE FIGURE 4)
- 3.5.1 OUTPUT LOGIC LEVELS: LOGIC "1" 2.5 VDC MIN LOGIC "0" .5 VDC MAX
- 3.5.2 OUTPUT TYPE: 26LS31(LD)
- 3.5.3 PHASE QUADRATURE: SEE FIGURE 4
- 3.6 OUTPUT FORMAT: COMMUTATION (SEE FIGURE 4)
- 3.6.1 OUTPUT LOGIC LEVELS: LOGIC "1" 2.5 VDC MIN LOGIC "0" .5 VDC MAX
- 3.6.2 OUTPUT TYPE: ET9561(VO), 26LS31(LD), OR OPEN COLLECTOR.
- 3.6.3 PHASE QUADRATURE: SEE FIGURE 4
- 3.7 OPERATING FREQUENCY: TO 300 KHZ.
- 4.0 ENVIROMENTAL SPECIFICATIONS
- 4.1 OPERATING TEMPERATURE: -10° TO 100°C.
- 4.2 STORAGE TEMPERATURE: -30° TO +110° C.
- 4.3 HUMIDITY: 90% RELATIVE HUMIDITY (NON-CONDENSING)



TERMINATION	
FUNCTION	PIN NO.
+Vcc	1
S1	2
GND	3
S2	4
CH A	5
S3	6
CH A-	7
N/C	8
CH B	9
S1-	10
CH B-	11
S2-	12
INDEX	13
S3-	14
INDEX-	15
CASE GND	16



RCH20D - XXXX/X - X/X - 5/0 - LD/LD - 0 - MX - S

PICK BORE SIZE FROM TABLE 1

LD/LD
LD/VC
LD/VO

0 - 360° RANDOM
1 - 90° GATED W/A&B

CONSULT FACTORY FOR AVAIL. RESOLUTIONS

M1
M2
M3
M4
M5
M6

CUST. SPL.

TABLE 1	
$\varnothing A^*$ $\pm .0005$ $-.0000$	BORE SIZE
.5002	1/2
.4726	12 MM
.3937	10 MM
.3752	3/8
.3151	8 MM
.2502	1/4
.2364	6 MM

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CHK'D	10-4-95	APP'D	TITLE OUTLINE DWG, STD, RCH20	
MATERIAL FINISH		TOLERANCES UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES		SIZE FSCM NO. D 34479
THIRD ANGLE PROJECTION		XXX .0005 FRACT. $\pm 1/16"$ XXX .005 ANGULAR $\pm 5^\circ$ XX .01 X .02		DWG NO. ED79700-TAB
		SCALE NONE		CAD FILE ED79700.TAB SHEET 1 OF 1