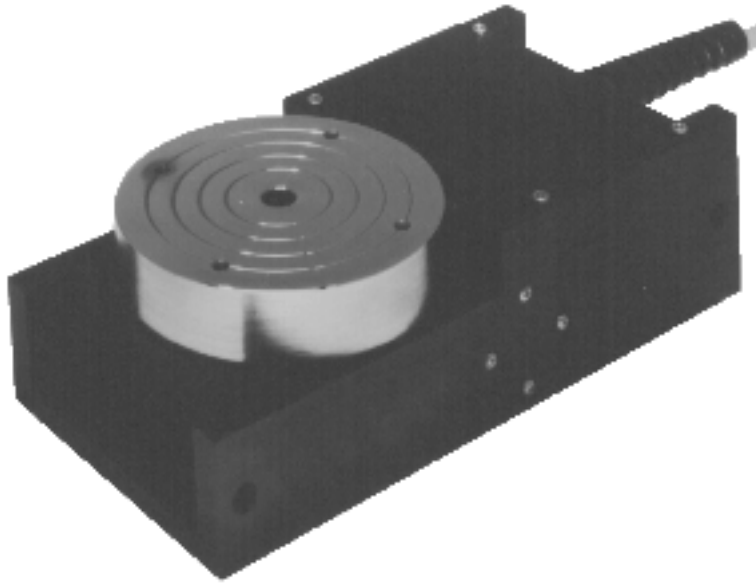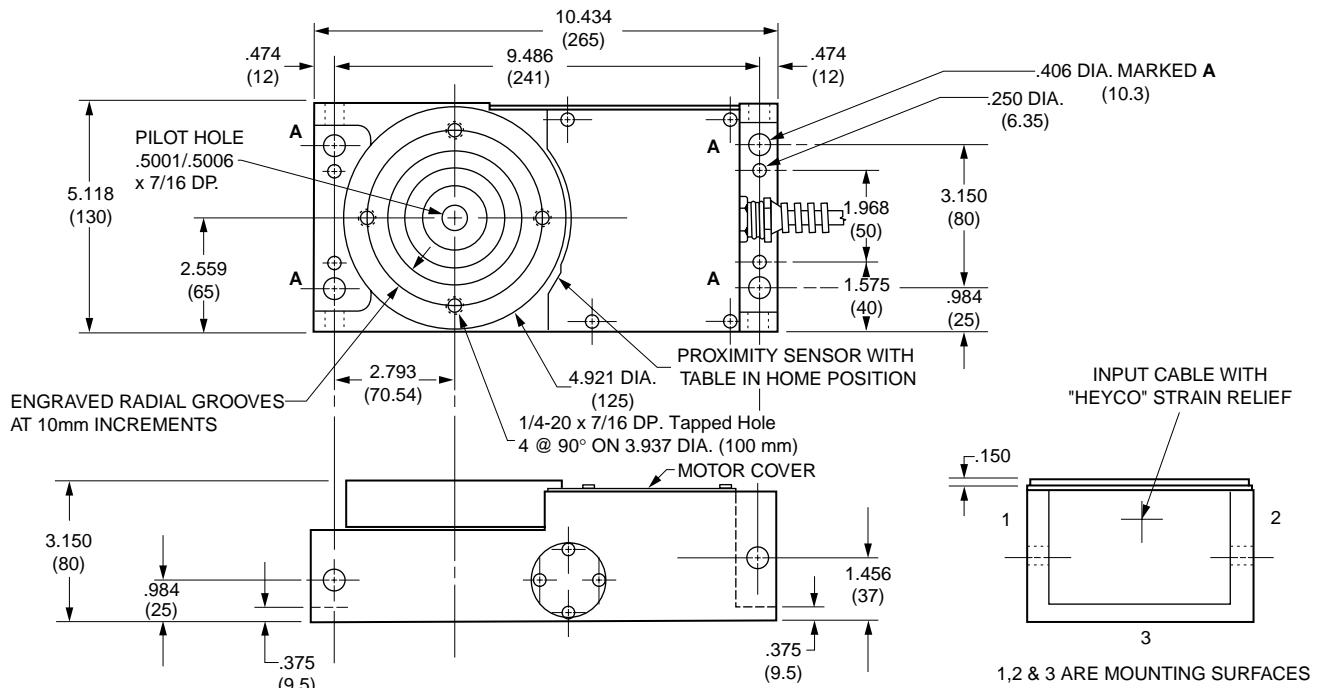**Techno Inc.**

Rotary Table 1

FEATURES

♦ Special anti-backlash worm & gear set, providing 100:1 reduction

♦ Very high load capacity

♦ Sealed to allow use with cutting fluids

♦ Includes precision inductive proximity HOME sensor

♦ All models with stepper motor option feature 150 oz•in stepper motor, model HL2100M473040

♦ All models with servo motor option feature model H50R10-0242 with line driver optical rotary encoder, 1000 line

♦ Versatile mounting surfaces

♦ Sturdy single piece aluminum case

♦ Heavy-duty chrome plated steel table top with integral shaft

♦ Includes 4 tapped 1/4 - 20 x 7/16" holes for mounting

2 MACHINES & SLIDES
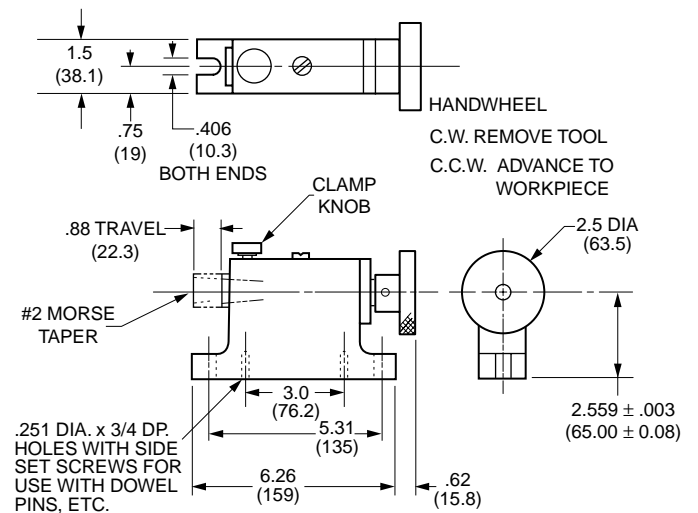

Catalog Number	Description
HS3600M15877RT	Rotary Table, Stepper Motor
HS3600R15877RT	Rotary Table, Servo Motor
HS3600M15877TS	Tailstock
HS6100M15877MS	Vertical Mounting Set
HS5600M15877	Center Set

Techno Inc.

Rotary Table 1

.474 (12)

10.434 (265)

9.486 (241)

.474 (12)

.406 DIA. MARKED **A** (10.3)

.250 DIA. (6.35)

PILOT HOLE .5001/.5006 x 7/16 DP.

5.118 (130)

2.559 (65)

1.968 (50)

3.150 (80)

1.575 (40)

.984 (25)

2.793 (70.54)

4.921 DIA. (125)

PROXIMITY SENSOR WITH TABLE IN HOME POSITION

ENGRAVED RADIAL GROOVES AT 10mm INCREMENTS

1/4-20 x 7/16 DP. Tapped Hole 4 @ 90° ON 3.937 DIA. (100 mm)

MOTOR COVER

3.150 (80)

.984 (25)

.375 (9.5)

1.456 (37)

.375 (9.5)

INPUT CABLE WITH "HEYCO" STRAIN RELIEF

.150

1   2

3

1,2 & 3 ARE MOUNTING SURFACES

2 MACHINES & SLIDES

SPECIFICATIONS	Stepper	Servo
Table Diameter	125 mm	
Table Height	80 mm	
Table Center Height	65 mm	
Center Hole, Diameter	.5001 / .5006 in	
Center Hole, Depth	.437 in	
Maximum Speed	60 deg / sec	72 deg / sec
Resolution	33 sec	6.5 sec
Maximum Torque	1340 N•cm	1600 N•cm
Load Capacity, Horizontal	1000 kg	
Load Capacity, Vertical	500 kg	
Clamping Torque	6000 N•cm	
Homing Accuracy	± 33 sec	
Repeatability	± 3.4 sec	
Flatness	0.005 TIR mm	
Concentricity	0.018 TIR mm	
Weight	6.4 kg	

1.5 (38.1)

.75 (19)

.406 (10.3) BOTH ENDS

HANDWHEEL
C.W. REMOVE TOOL
C.C.W. ADVANCE TO WORKPIECE

CLAMP KNOB

.88 TRAVEL (22.3)

#2 MORSE TAPER

.251 DIA. x 3/4 DP. HOLES WITH SIDE SET SCREWS FOR USE WITH DOWEL PINS, ETC.

3.0 (76.2)

5.31 (135)

6.26 (159)

.62 (15.8)

2.5 DIA (63.5)

2.559 ± .003 (65.00 ± 0.08)

NOTES ON SPECIFICATIONS: Stepper motor is model HL2100M473040 as described on page 152, operating in half step mode, with 4.5A / phase, 40V chopper driver. Servo motor is model H50R10-0242 as described on page 164, operating with 6A/80V chopper amplifier and 1000 line encoder operating in quadrature. These figures will, of course, vary with different loads, amplifiers and acceleration profiles provided by the controller.