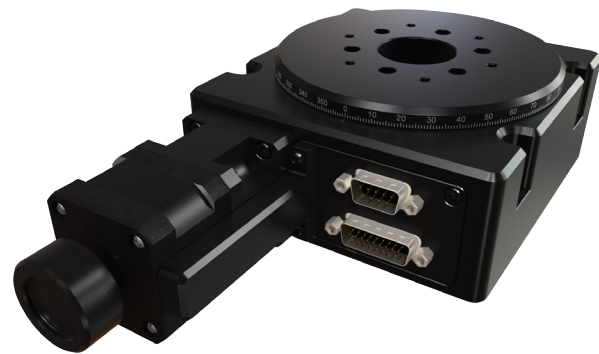


Precision Rotary Table

FEATURES

- Continuous 360° rotation
- 30mm through bore
- 90:1 worm gear drive
- High torque stepper motor
- Hand-wheel
- Laser-marked graduations



The RWS-WD Series Rotary tables are compact, high torque, worm-driven positioning tables designed for laboratory, factory automation and semiconductor processing equipment. Precision-cut worm gears minimize backlash and magnify torque giving precise and powerful motion in a small package. Laser-marked graduations aid in positioning while a hand-wheel allows for manual rotation of the output shaft.



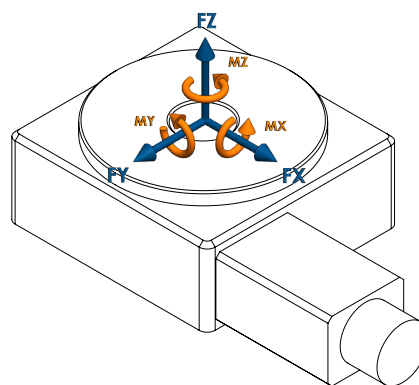
1040 CLASSIC ROAD | APEX, NC 27539
P: 866.906.2709 | F: 919.882.1430
www.griffinmotion.com

RWS-WD-100-K-W-A-S-0-00

Motion Specifications

Product Specifications

Unidirectional Accuracy (arc-sec)	100
Unidirectional Repeatability (arc-sec)	10
Backlash (arc-sec)	100
Angular Velocity (deg/s)	25
Axial Runout (μm)	10
Continuous Torque (N·m)	2.0
Force X (N)	110
Force Y (N)	110
Force Z (N)	250
Height (mm)	55
Length (mm)	216
Limit Switches	No
Moment X (N·m)	10
Moment Y (N·m)	10
Moment Z (N·m)	2.0
Radial Runout (μm)	10
Stage Mass (kg)	2.37
Travel Range (deg)	360 continuous
Width (mm)	120
Drive Ratio	90:1



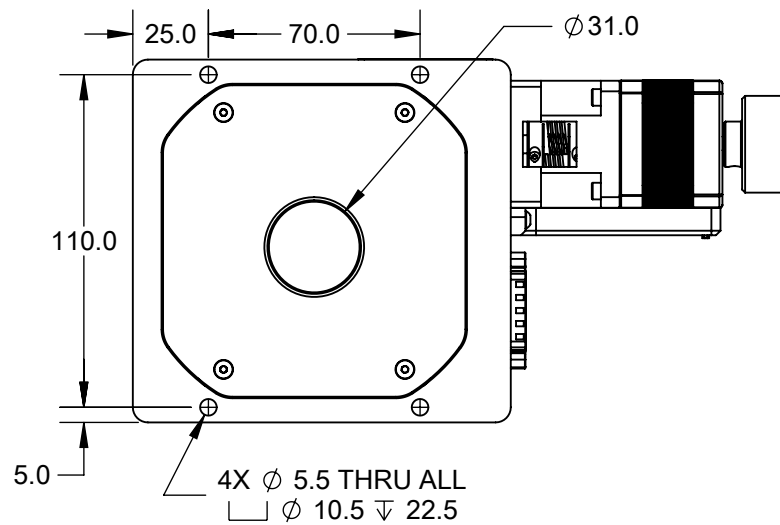
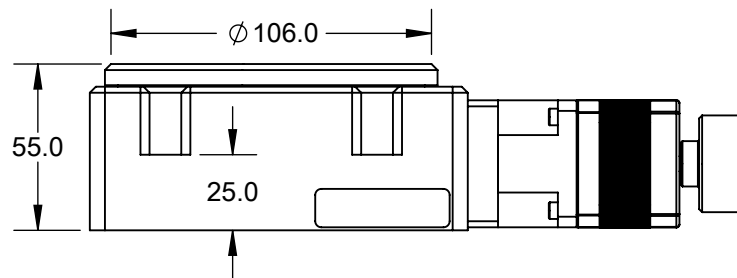
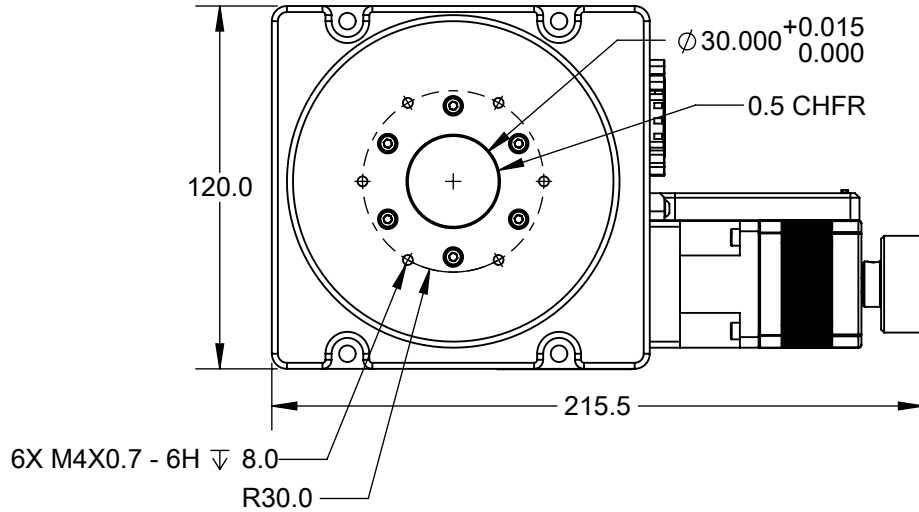
LOAD DIRECTIONS

Description

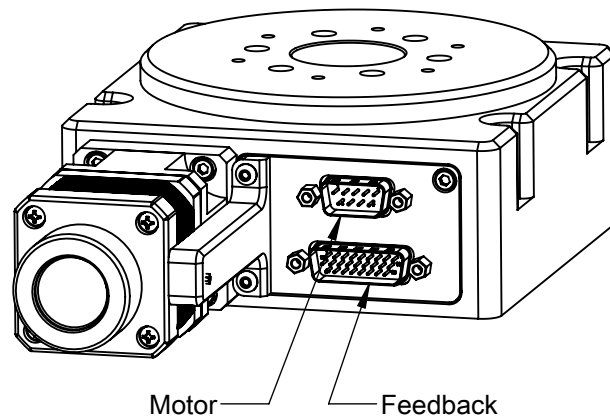
RWS	RWS Series
WD	Worm Drive
100	100mm Diameter
K	High Torque Stepper Motor
W	Home Switch Only
A	Aluminum Hub
S	Standard Precision
0	No Additional Options
00	Standard Product (Call for custom)

RWS-WD-100-K-W-A-S-0-00

Mechanical Specifications



Feedback Connector (DSUB26HD MALE)	
PIN	NAME
1	+5V
2	*
3	*
4	*
5	*
6	*
7	*
8	*
9	*
10	*
11	*
12	*
13	*
14	*
15	*
16	*
17	*
18	*
19	GND
20	*
21	*
22	*
23	HOME
24	*
25	*
26	*
* Reserved	



Motor Connector (DSUB9 MALE)	
PIN	NAME
1	*
2	*
3	*
4	*
5	*
6	PHASE A+
7	PHASE A-
8	PHASE B+
9	PHASE B-
* Reserved	



RWS-WD-100-K-W-A-S-0-00

Electrical Specifications

Motor Specifications	
Motor Type	Bipolar Stepper
Current/phase (A)	1.3
Resistance/phase (Ω)	2.8

Feedback Specifications	
Supply Voltage (V)	5.0 $\pm$ 10%
Supply Current (mA)	250
Encoder Feedback	No
Limit Switches	No
Home Switch	Yes
Home Switch Output Type	CMOS
Home Switch Output Current (mA)	$\pm$ 20.0

A home switch is provided and will trigger once per revolution. The home switch is aligned so that it triggers approximately at the 0° (zero degree) graduation index mark.