

TBRK series Motorized Rotation Stage



Naming rules:

TBRK 200 (-ASP2)(-SSxx)

TBRK series high precision motorized rotation stage with encoder

Table Diameter:
100:Φ102
200:Φ196

Motor Type:
None(default): two phase stepper motor
ASP1:AC Servo motor 100W
ASY2:AC Servo motor 200W

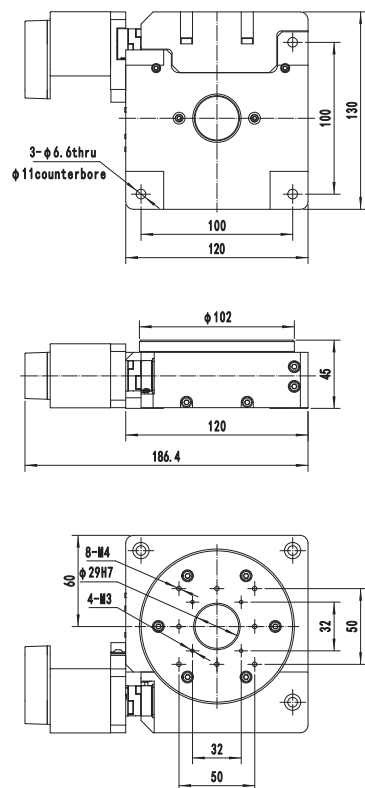
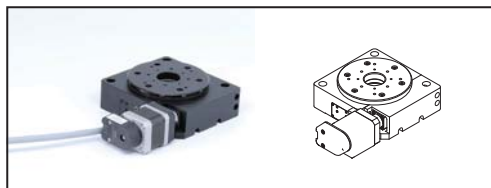
Sensor position:
None(default):Build-in zero sensor
SSXX:External limit sensor, XX is angle range

Technical Information:

Model	TBRK100	TBRK200
Table Size (mm)	Φ 102	Φ 196
Angle Range (°)	360	360
Worm Gear Ratio	180:1	180:1
Guid Mechanism	Cross Roller	Cross Roller
Weight (Kg)	2.3	7.2
Semi-closed loop resolution (°)	0.0005	0.0005
Open loop resolution under 8 subdivision (°)	0.00125	0.00125
Max Speed (°/s)	20	20
Repeat position accuracy (°)	≤ ±0.003	≤ ±0.003
Backlash (°)	≤0.003	≤0.003
Static parallelism (mm)	≤0.08	≤0.08
End jump (axial runout) (μm)	≤36	≤40
(μm)	≤27	≤30
Motor and Angle (°)	two phase 42 stepper motor, 1.8	two phase 57 stepper motor, 1.8
Operating current (A)	1.5	1.8
Motor Torque (N·m)	0.46	1.25
Load in horizontal (Kg)	20	40
Invert Load (Kg)	5	10
Vertical Load (Kg)	5	10

Dimensions:

TBRK100



TBRK200

