






KOMA



RBS SERIES BALL DRIVE SYSTEM

TSUDAKOMA

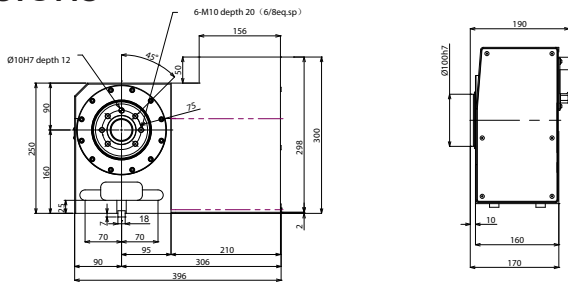
Ball Drive NC Rotary Table RBS Series

Table Model		RBS-160	RBS-250	RBS-320
Versions available		R	R	R
Spindle outer diameter	mm	100h7	140h7	180h7
Table diameter	mm	(160, 200)	250	320
Center height	mm	160	210	255
Center bore	Nose Diameter	mm	55H7	80H7
	Thru Diameter	mm	40	50
Table T-slot width		12H8	12H8	14H8
Guide block width		14h7	18h7	18h7
Servo motor (Fanuc)*		Alpha 4i	Alpha 8i	Alpha 12i
Maximum motor speed	rpm	3,000	3,000	3,000
Speed reduction ratio		1/36	1/36	1/36
Maximum table speed	rpm	111.1	111.1	111.1
Inertia converted into motor shaft	$\times 10^{-3} \text{kg}\cdot\text{m}^2$	0.19	0.42	2.24
Clamp system**		Pneumatic		
Clamp torque @500psi	Nm (ft. lbs.)	500	1,000	1,500
Indexing accuracy	arc sec.	± 7.5	± 7.5	± 7.5
Repeatability	arc sec.	± 2	± 2	± 2
Net Weight	kg (lbs.)	55 (121.2)	100 (220)	200 (440)
Holding torque @72psi	Nm (ft. lbs.)	700 (516)	1480 (1076)	2580 (1901)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	0.48	1.95	4.48
Allowable work weight	 kg (lbs) [w/ tailstock]	100 (200) [200 (440)]	125 (275) [250 (550)]	175 (385) [350 (770)]
	 kg (lbs)	200 (440)	250 (550)	350 (770)
Allowable load when table clamped	 N (lbf)	10,800 (2,419)	14,400 (3,226)	24,800 (5,555)
	 Nm (ft. lbs.)	500 (369)	1,000 (737)	1,500 (1,106)
	 Nm (ft. lbs.)	780 (575)	1,900 (1,400)	4,700 (3,464)

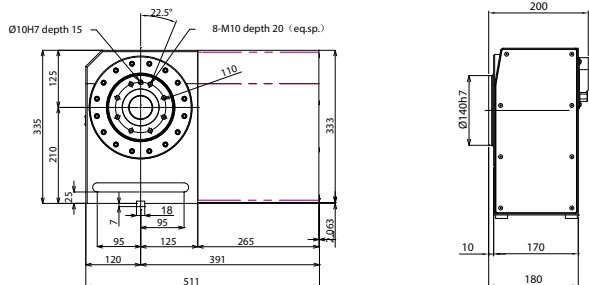


Dimensions

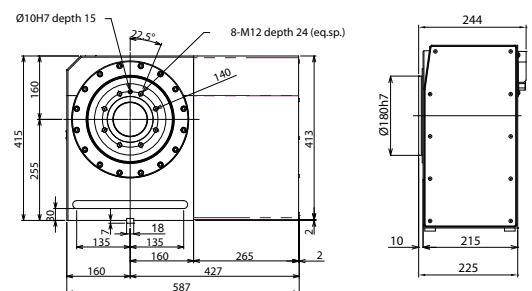
RBS-160



RBS-250



RBS-320



*Other motors & rpm available
 • Dimensions = mm
 Specifications subject to change without notice