

CNC Rotary Tables (Min indexing angle – 0.001°)

AR Series (Powerful Pneumatic Brake)- Back Side Motor AR(s)-125B/170B/210B/250B



AR(s)-170B (Back Side Motor)

AR(s)-210B (Back Side Motor)

For tapping center
(short Y axis travel)

FEATURE



Use radial & axial bearings

Dual-lead Alloy steel worm gear
(Optional)

Picture of Power
and Feedback
Cable Connectors

(Back Side Motor type
can not be equipped
with angle encoder)

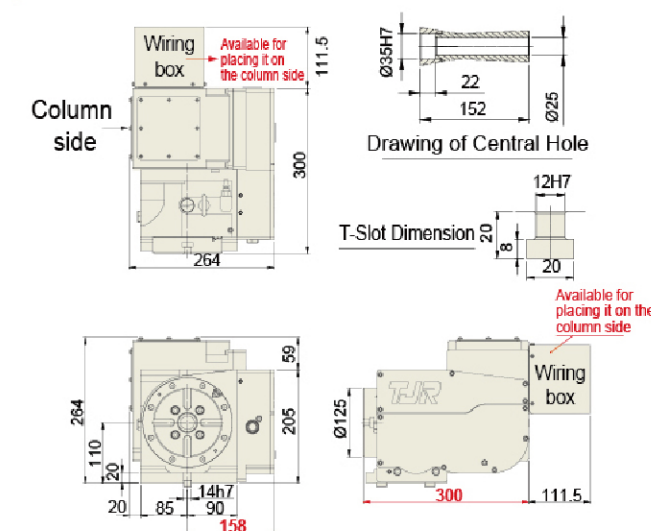
Hydraulic AR(s)-170HB/210HB/250HB are alternatives.

Item / Model		Unit	AR(s)-125B	AR(s)-170B	AR(s)-210B	AR(s)-250B
Table Diameter		mm	Ø 125	Ø 170	Ø 210	Ø 250
Diameter of Table Central Hole		mm	Ø 35H7	Ø 67	Ø 67	Ø 67
Inner Diameter of Mandrel Sleeve		mm	-	Ø 40H7	Ø 40H7	Ø 40H7
Diameter of Center Through Hole		mm	Ø 25	Ø 40	Ø 40	Ø 40
Center Height (Vertical)		mm	110	135	160	160
Table Height (Horizontal)		mm	-	-	-	-
Table T-slot Width		mm	12H7	12H7	12H7	12H7
Guide Block Width		mm	14h7	18h7	18h7	18h7
Min. Increment		deg.	0.001	0.001	0.001	0.001
Indexing Precision		sec.	40	20	20	20
Repeatability		sec.	6	6	6	6
Clamping System (Pneumatic)		kgf/cm ²	6	6	6	6
Clamping Torque		kgf·m	13	31	31	31
Servo Motor Model	FANUC	Taper shaft	αis4 / βis4	αiF4 / αiF8 / βis8	αiF4 / αiF8 / βis8	αiF4 / αiF8 / βis8
	MITSUBISHI	Taper / Straight shaft	HG/HF-75 / 105	HG/HF-54 / 104	HG/HF-54 / 104	HG/HF-54 / 104
Speed Reduction Ratio		-	1 : 60	1 : 90	1 : 90	1 : 90
Max. Rotation Rate of Table (Calculate with Fanuc α Motor)		r.p.m	83.3 *(33.3)	44.4 *(33.3)	44.4 *(33.3)	44.4 *(33.3)
Allowable Inertia Load Capacity (Horizontal)		kg.cm.sec ²	2	2.7	4.1	5.9
Allowable Workpiece Load	Vertical	kg	50	75	75	75
	with Tailstock	kg	100	150	150	150
Allowable Thrust Load (with Rotary Table Clamping)	Horizontal	kg	-	-	-	-
	F	kgf	1000	1450	1450	1450
	FxL	kgf·m	45	110	110	110
	FxL	kgf·m	13	31	31	31
Driving Torque		kgf·m	9 *(3.7)	29 *(14.6)	29 *(14.6)	29 *(14.6)
Net Weight (servo motor excluded)		kg	-	60	65	72

★*() Alloy Steel worm & gear series

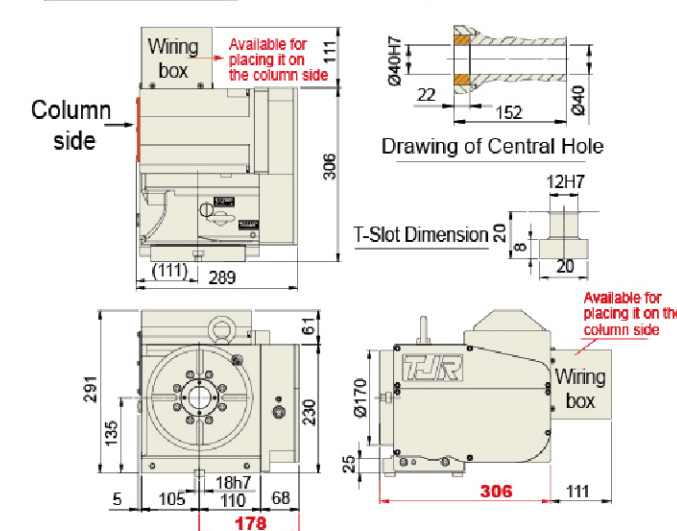
NEW Powerful Brake System

AR(s)-125B



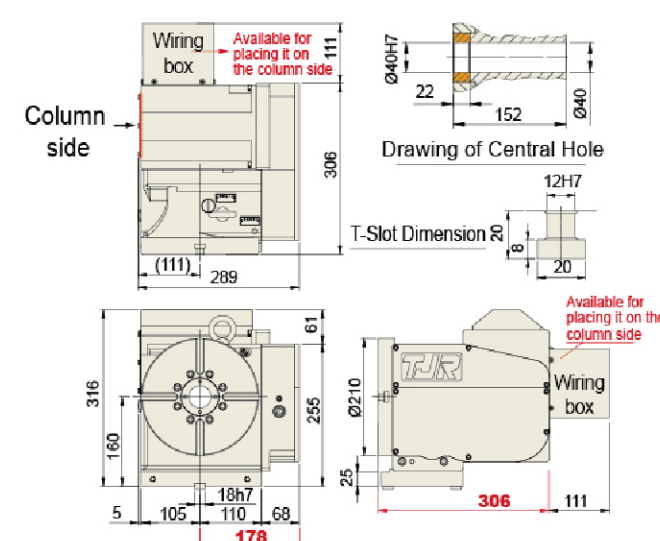
NEW Powerful Brake System

AR(s)-170B AR(s)-170HB (Hydraulic Brake)



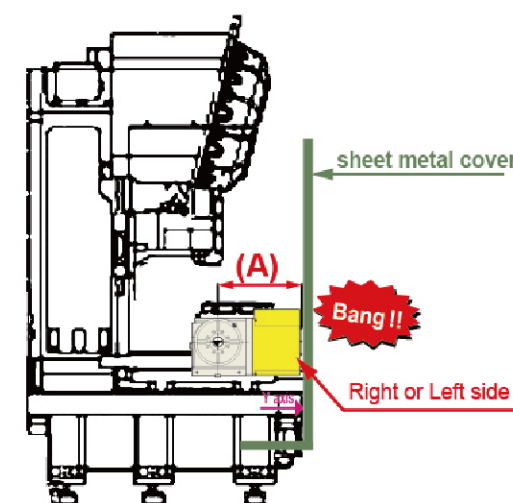
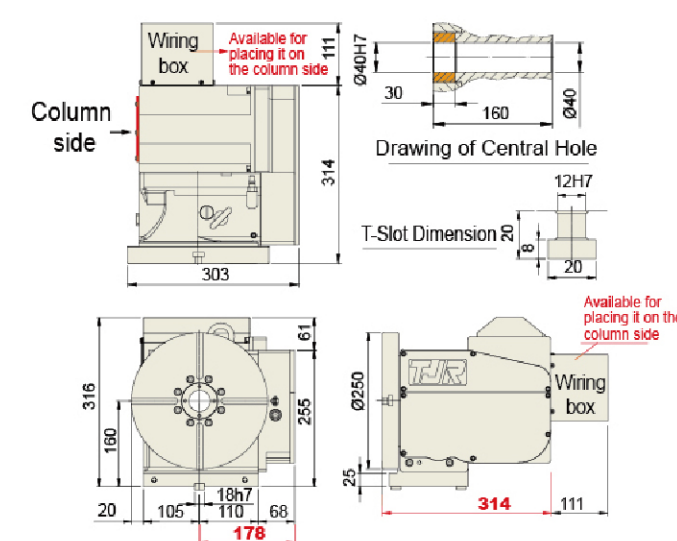
NEW Powerful Brake System

AR(s)-210B AR(s)-210HB (Hydraulic Brake)



NEW Powerful Brake System

AR(s)-250B AR(s)-250HB (Hydraulic Brake)



If the rotary table interferes with sheet metal cover (as shown, the distance A protrudes beyond sheet motor cover), it's recommended to choose **back side motor type** for AR series or **right side motor with sheet metal cover reduction type** for HR & HI series. (as Dia. to the right)

