

Direct Drive NC Tilting Rotary Tables

Milling and Turning Model

TDS TDS-200

TDB TDB-200

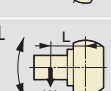
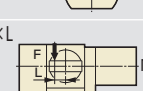
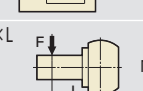


TDS-200

Achieves both turning at a maximum of 3,000 min⁻¹ and milling by positioning in one chucking. Contributes to labor savings, automation, and improved processing efficiency.

Specifications

Unit: mm

		TDS-200		TDB-200R,F	
Tilt range		-100° to +10°		-100° to +10°	
Table diameter		φ 90		φ 90	
Table height at 0° position		325		325	
Center height at 90° position		225		225	
Center bore	Nose diameter	φ 20		φ 20	
	Through-bore	—		—	
Motor type		Rotary axis	Tilt axis	Rotary axis	Tilt axis (BallDrive)
		TSUDA-01	Dis120/600-230-B	TSUDA-01	α is4
Type of scale		α iCZ512A		α iCZ512A	
Speed reduction ratio		1/1		1/1	
Table max. rpm	min ⁻¹	3,000	100	3,000	50 (Motor rpm:3,000 min ⁻¹)
Clamp system		Pneumatic		Pneumatic	
Clamp torque /pneumatic pressure 0.49MPa	N·m	400	500	400	500
Net weight	kg	195		180	
Allowable work weight	0° (Horizontal)  kg/axis	50		50	
	0° to 90° (Tilting)  kg/axis	50		50	
Allowable work moment	W×L  N·m	—		57	
	F  N	2,940		2,940	
Allowable load (when table is clamped)	F×L  N·m	400		400	
	F×L  N·m	500		500	
Allowable work inertia	$J = \frac{W \cdot D^2}{8}$  kg·m ²	0.3		0.3	

CE correspondence model

Note: Customers are required to prepare oil cooling unit for installation.

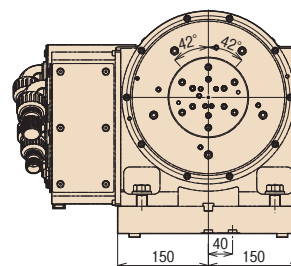
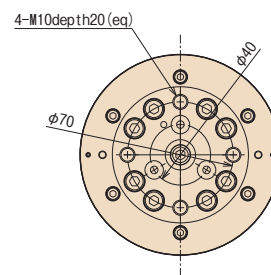
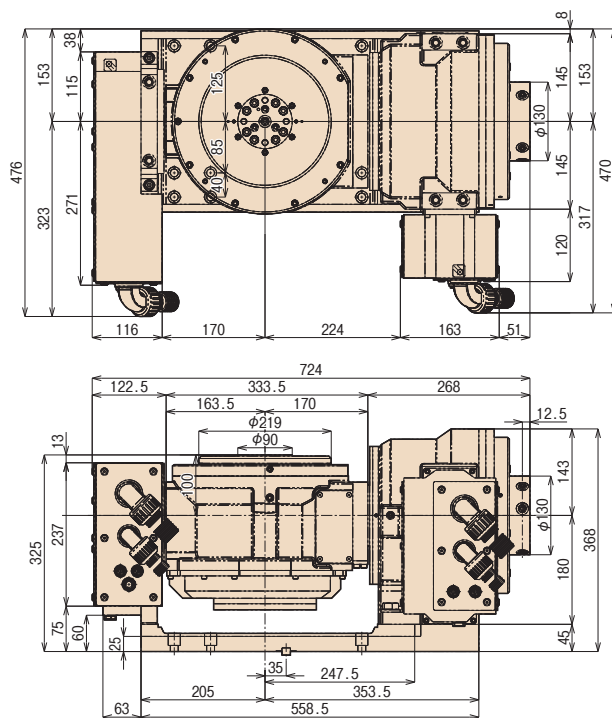


TDB-200R,F

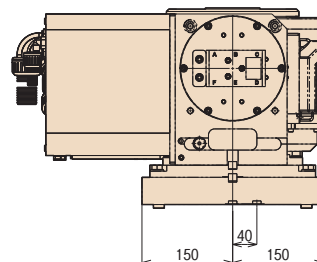
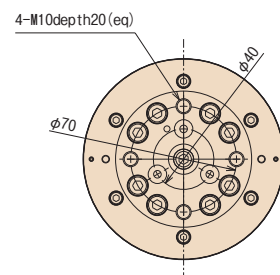
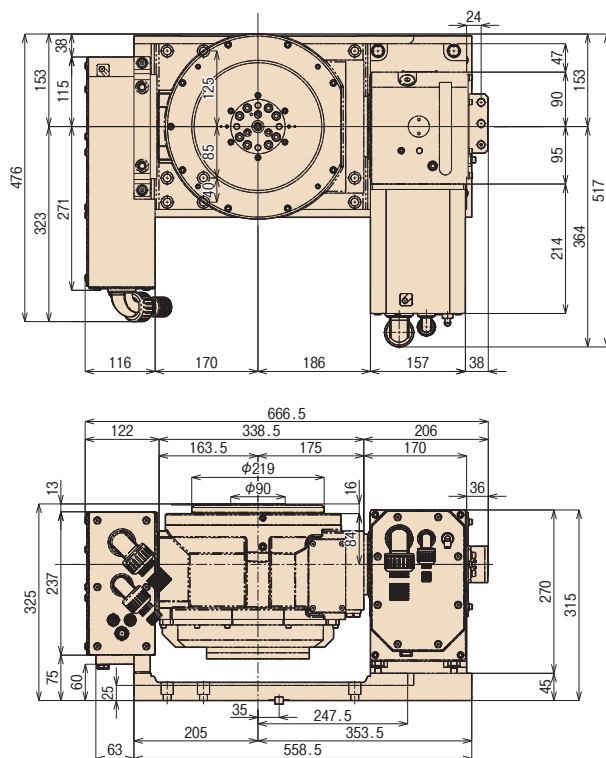
Dimensions

Unit: mm

TDS-200



TDB-200R,F



Note: The above dimensions are for FANUC servo motors. The dimensions of servo motors of other manufacturers may be larger.

RBS

RBH

Multi-Spindle
RBM

TBS

RWE/RWA
RN

RWH

RWA-B
RNCV-B

RWB

RWB-K
RNC

RCB

RCH
RNC

RCV

Multi-Spindle
RWM

TWA/TN

TWB
TTNC

Multi-Spindle
TWM

RDS

RTV
RTT

TDS
TDB

NC Controllers

Accessories

Options

Technical
Information