

NC ROTARY TABLE High Speed NC Rotary Table **MX160**

Max. Spindle Speed increased to 75min⁻¹ **Reduced Takt Time and Improved Productivity**

- Rotating speed increased
- ●Indexing time reduced by 39% (With KITAGAWA own controller)
- Mounting dimensions equivalent to MR Series

*CE correspondence



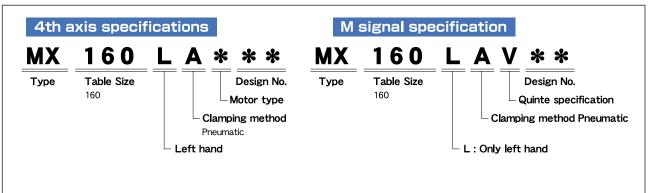
MX160

■Specifications

Right hand	■Specifications		IVIA I OU
Left hand	Model		MX 160
Table dia	Right hand		×
Register diameter on Face Plate (mm)	Left hand		0
Spinde through hole clameter (mm)	Table dia (mm)		φ 165
Centre Height	Register diameter on Face Plate (mm)		ф50Н7
Clamping method	Spindle through hole diameter (mm)		φ40
Clamping torque (N-m) (In pneumatic 0.5MPa) 310 Motor axis reduced inertia (kg·m²) 0.00023 Servomotor (for SANYO specification) R2AA08075FXPGPM6 Gear ratio 1/40 Max, spinde speed SANYO specification(for min¹/motor3000min¹) 75 Maiseral specification(for min¹/motor3000min¹) 75 Allowable work inertia (kg·m²) 0.25 Indexing accuracy (sec) 40 Repeatability (sec) 8 Mass of product (kg) 43 Manual Tailstock (as an option · P89 reference) TSR142A Rotary Joint (as an option · P93 reference) TSR142A Rotary Joint (as an option · P97 reference) RJ40H16P01 Allowable Load F (Nt) 10 Allowable load (When clamped to table) F (Nt) 10 F (Nt) 50 F (Nt) 10 F (Nt) 10 F (Nt) 10 F (Nt) 310 F (Nt) 10 F (Nt) 10	Centre Height (mm)		140
Motor axis reduced inertia (kg·m²)	Clamping method		Pneumatic
Servomotor (for SANYO specification) R2AA08075FXPGPM6	Clamping torque (N·m) (In pneumatic 0.5MPa)		310
Rear ratio	Motor axis reduced inertia (kg·m²)		0.00023
Max. spinde speed	Servomotor (for SANYO specification)		R2AA08075FXPGPM6
Max. spinde speed Msignal specification (for min 1/motor3000min 1/) 75 Allowable work inertia (kg·m²) 0.25 Indexing accuracy (sec) 40 Repeatability (sec) 8 Mass of product (kg) 43 Manual Tailstock (as an option · P89 reference) MR160RN Tail Spindle (as an option · P93 reference) TSR142A Rotary Joint (as an option · P97 reference) RJ40H16P01 (Hydraulic / Pneumatic 4-port) Allowable Load Vertical (kg) 40 Allowable load (When clamped to table) F (kN) 10 FXL (N·m) 600 FXL (N·m) 310	Gear ratio		1/40
Allowable work inertia (kg·m²) Allowable work inertia (kg·m²) Indexing accuracy (sec) Repeatability (sec) Respeatability (sec) Ramual Tailstock (as an option · P89 reference) Tail Spindle (as an option · P93 reference) Rotary Joint (as an option · P97 reference) Allowable Load Allowable Load F (kN) F (kN) T (N·m) T (N·m) Allowable load (When clamped to table)	Max spindle speed	tion(for min ⁻¹ /motor3000min ⁻¹)	75
Indexing accuracy (sec) Repeatability (sec) Repeatability (sec) Mass of product (kg) Manual Tailstock (as an option • P89 reference) Tail Spindle (as an option • P93 reference) Rotary Joint (as an option • P97 reference) Allowable Load Allowable Load (When clamped to table) F (kN) 10 FXL (N·m) T (N·m) 310		cion (for min ⁻¹ /motor3000min ⁻¹)	75
Repeatability (sec) 8	Allowable work inertia (kg·m²)		0.25
Mass of product (kg) Manual Tailstock (as an option · P89 reference) Tail Spindle (as an option · P93 reference) Rotary Joint (as an option · P97 reference) Allowable Load Allowable load (When clamped to table) MR160RN TSR142A RJ40H16P01 (Hydraulic / Pneumatic 4-port) 80 Vertical (kg) Vertical (kg) F (kN) 10 FXL (N·m) 600 FXL (N·m) 310	Indexing accuracy (sec)		40
Manual Tailstock (as an option • P89 reference) Tail Spindle (as an option • P93 reference) Rotary Joint (as an option • P97 reference) Allowable Load Allowable load (When clamped to table) MR160RN TSR142A RJ40H16P01 (Hydraulic / Pneumatic 4-port) 80 40 F (kN) 10 FXL (N·m) 600 T (N·m) 310	Repeatability (sec)		8
Tail Spindle (as an option • P93 reference) TSR142A	Mass of product (kg)		43
Rotary Joint (as an option · P97 reference) RJ40H16P01 (Hydraulic / Pneumatic 4-port) 80 Vertical (kg) Vertical (kg) F (kN) 10 FXL (N·m) FXL (N·m) 310	Manual Tailstock (as an option · P89 reference)		MR160RN
Rotary Joint (as an option • P97 reference) Allowable Load Horizontal (kg) Vertical (kg) Vertical (kg) 10 FXL (N·m) FXL (N·m) 310	Tail Spindle (as an option · P93 reference)		TSR142A
Allowable Load Horizontal (kg) 80	Rotary Joint (as an option · P97 reference)		RJ40H16P01
Allowable Load Vertical (kg) 40 Allowable load (When clamped to table) FXL (N·m) FXL (N·m) 310			(Hydraulic/Pneumatic 4-port)
Vertical (kg) 40 Allowable load (When clamped to table) F(kN) F(kN) 600 FXL (N·m) 310	Allowable Load	Horizontal (kg)	80
Allowable load (When clamped to table) FXL (N·m) FXL (N·m) T (N·m) 310		Vertical (kg)	40
Allowable load (When clamped to table) FXL (N·m) T (N·m) 310		F (kN)	10
T (N·m) 310		F×L (N·m)	600
			310
	Allowable cutting torque	T (N·m)	350

Note) 1. The switch for pressure checking is incorporated to all series except TC/DM of NC tables. 2. The solenoid valve for the table clamp is incorporated. 3. Neither cable nor hose is fitted between NC rotary table and machine tool... 4. The ports of Rotary Joint at the table surface is fixed on to the jig. 5. Because a mounting pitch varies with the machines, refer to the pitch of the table spindle size drawing on P93. 6. Each product mass is determined by a Kitagawa M signal spec.





Dimensions

