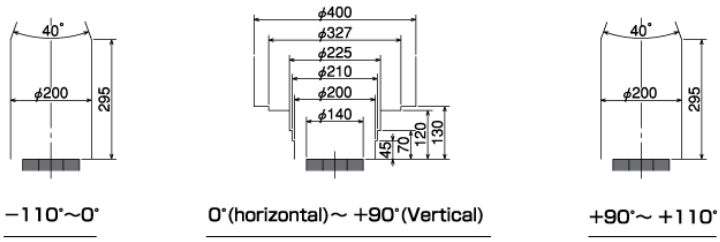
- Technical Specifications

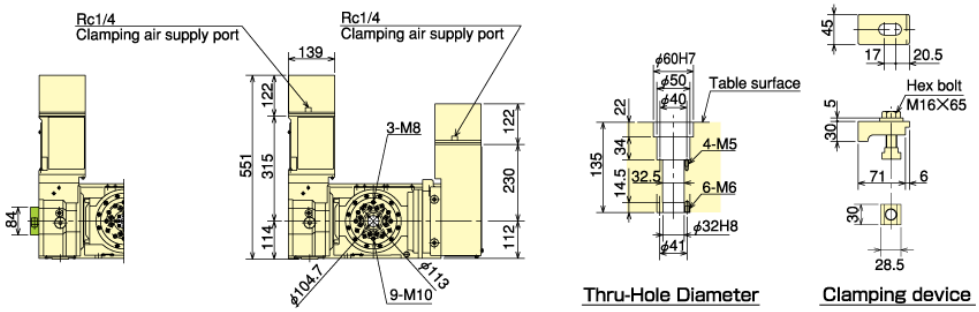
AR Indexer Model Faceplate Diameter			AX-140 5.5"	AX-180 7.1"	AX-250 9.8"	AX-320 12.6"
Tilting angle (degrees)			-110 to +110	-35 to +110	-35 to +110	-35 to +110
Table diameter (mm)			Ø 140	Ø 180	Ø 250	Ø 320
Table register diameter on faceplate (mm)			Ø 60H7	Ø 65H7	Ø 100H7	Ø 135H7
Spindle through hole diameter (mm)			Ø 32	Ø 40	Ø 70	Ø 110
Center height (mm)			200	180	225	255
Clamping method			Pneumatic	Air-Hydraulic	Hydraulic	Hydraulic
Clamping torque (N-m), (in pneumatic 0.5MPa)	Rotating axis		280	450	900	2600
	Tilting axis		500	800	1200	2600
Servomotor for FANUC α specification			α2/5000i	α2/5000i	α4/4000i	α8/3000i
Servomotor for FANUC αC specification			α2/5000i	α2/5000i	αC4/4000i	αC8/3000i
Servomotor for FANUC β specification			β4/4000is	β4/4000is	β8/3000is	β8/3000is
Servo amplifier for (FANUC α specification)			A06B-6114-H103	A06B-6114-H103	A06B-6114-H104	A06B-6114-H104
Servo amplifier for (FANUC αC specification)			A06B-6114-H103	A06B-6114-H103	A06B-6114-H103	A06B-6114-H103
Servo amplifier for (FANUC β specification)			A06B-6130-H002	A06B-6130-H002	A06B-6130-H002	A06B-6130-H002
Gear ratio	Rotating axis		1/72	1/90	1/90	1/120
	Tilting axis		1/180	1/180	1/120	1/180
Allowable work inertia (kg • m^2)			0.12	0.25	0.78	1.92
Indexing accuracy (arc-sec)	Rotating axis		30	20	20	20
	Tilting axis		60	60	45	45
Repeatability (arc-sec)			4	4	4	4
Mass of product (kg)			150	155	260	350
T-Slotted faceplate			Option	Included	Included	Included
Rotary Joint (as an option)						
Allowable Load	Horizontal (kg)		50	60	100	150
	Vertical (kg)		30	40	60	100
Allowable load	F (kN)		4	5	12	16
	FXL (N•m)		280	800	1200	2600
	FXL (N•m)		500	450	900	2600
Allowable cutting torque	T (N•m)		190	250	600	1000

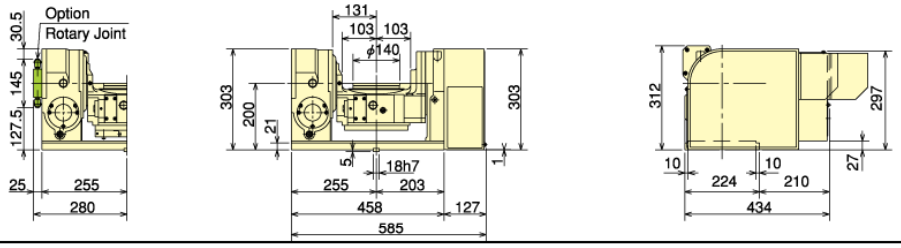
- Layout Drawings (for System 60 and Fanuc axis)

AX-140

Work area limitations, from faceplate:

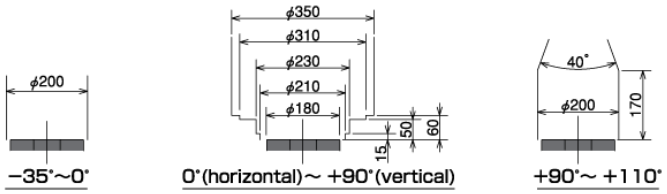


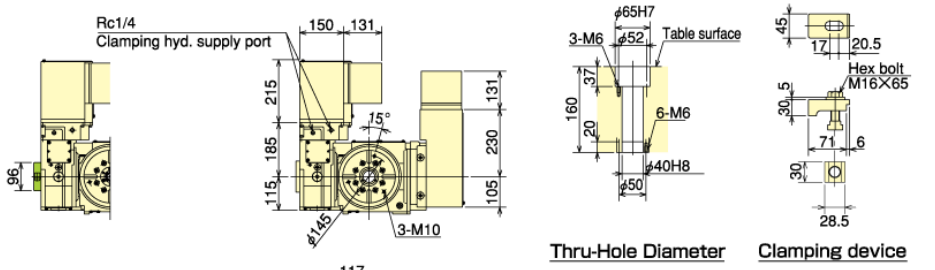


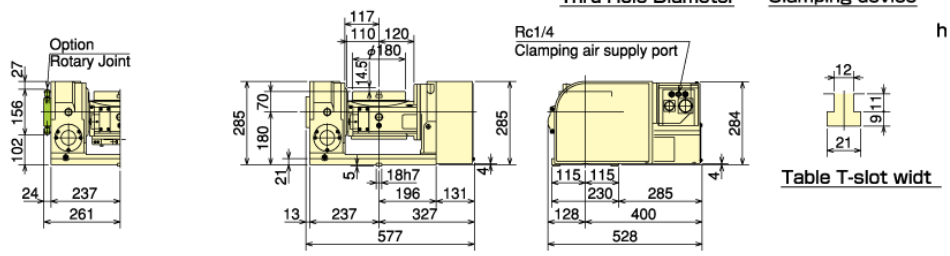


AX-180

Work area limitations, from faceplate:



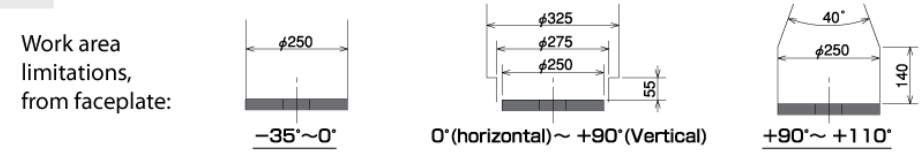


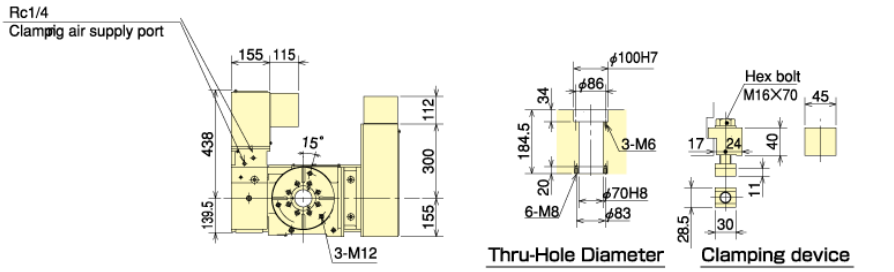


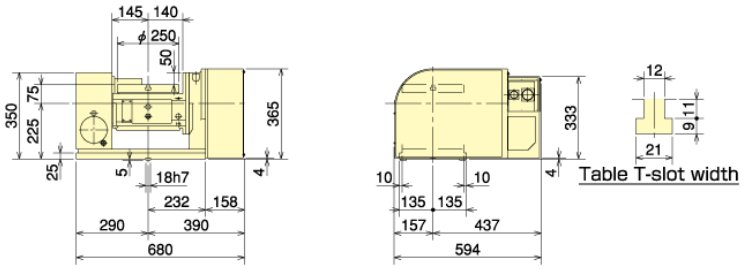
- Layout Drawings (for System 60 and Fanuc axis)

AX-250

Work area limitations, from faceplate:







AX-320

Work area limitations, from faceplate: