



Face Gear Indexers

- ▶ Ideal for heavy cutting applications
- ▶ Built in 3 piece Hirth coupling, faceplate does not lift during rotation
- ▶ Extremely accurate and repeatable
- ▶ Can be connected to machine's control or run with a stand-alone control.

Face Gear Indexers						
Item/Model No.		DC-250	DC-320	DC-400	DC-500	
Diameter of Table		mm / inch	Ø250 / 9.84"	Ø320 / 12.59"	Ø400 / 15.74"	Ø500 / 19.68"
Diameter of Thru-hole		mm / inch	Ø36 / 1.41"	Ø60 / 2.36"	Ø80 / 3.14"	Ø130 / 5.11"
Center Height in Vertical		mm / inch	185 / 7.28"	210 / 8.27"	250 / 9.84"	310 / 12.20"
Overall Height in Vertical		mm / inch	315 / 12.40"	395 / 15.55"	460 / 18.11"	570 / 22.44"
Overall Height in Horizontal		mm / inch	200 / 7.87"	240 / 9.45"	260 / 10.24"	290 / 11.42"
Width of T Slot		mm	12 ^{H7}	14 ^{H7}	14 ^{H7}	18 ^{H7}
Width of Guide Block		mm	18 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}
Servo Motor Type		FANUC	α8i	α12i	α12i	α22i
		MITSUBISHI	HF-153	HA-100NC	HA-100NC	HA-200NC
		SIEMENS	1FK7063	1FK7083	1FK7083	1FK7101
		HEIDENHAIN	QSY116E	QSY155B	QSY155B	QSY155D
Total Reduction Ratio			1:90	1:90	1:90	1:180
Minimum Increment	72D	Degree	5°	N/A		
	360D		N/A	1°	1°	1°
Maximum Rotation Speed (Motor:2000 RPM)		RPM	22.2	22.2	22.2	11.1
Clamping Torque (Hydraulic System:20kg/cm2)		kgf•m / ft•lb	250 / 1808	275 / 1989	300 / 2170	325 / 2350
Indexing Accuracy		sec.	10"	10"	10"	10"
Repeatability Accuracy	Unidirectional	sec.	1"	1"	1"	1"
	Bidirectional		2"	2"	2"	2"
N.W.		kg / lbs	110 / 243	250 / 552	325 / 717	380 / 838
MAX. Work Load	Vertical	kg / lbs	125 / 276	200 / 441	350 / 772	400 / 882
	Horizontal	kg / lbs	300 / 662	400 / 882	600 / 1323	700 / 1543
MAX. Thrust Load	F	kgf / lbf	3500 / 7716	4500 / 9920	6000 / 13,227	7000 / 15,432
	FxL	kgf•m / ft•lb	140 / 1012	200 / 1446	400 / 2893	450 / 3255
	FxL	kgf•m / ft•lb	220 / 1591	300 / 2170	600 / 4340	650 / 4701
Driving Torque		kgf•m / ft•lb	90 / 651	156 / 1128	320 / 2314	460 / 3327