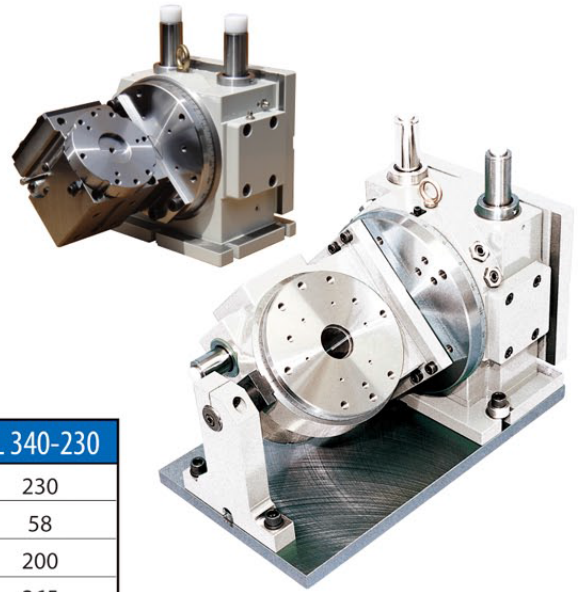


## TILTING TYPE

### Integrates two TOUCHDEXES for five-face machining on vertical machining centers.

- Table inclination and rotation adjusted automatically with the pushbar of TOUCHDEX.
- Extremely compact footprint
- Manual unit supplied as standard accessory.



#### SPECIFICATION

Model		TL 150-107	TL 230-150	TL 340-230
Table Diameter	mm	107	170	230
Spindle Bore Diameter	mm	—	37	58
Center Height (90 deg.Tilted)	mm	120	145	200
Table Surface Height (0 deg.Tilted)	mm	160	200	265
Approx. Full Pushbar Stroke (Tilting)	mm	53	56	83
Approx. Full Pushbar Stroke (Rotating)	mm	24	38	56
Min. Indexing Angles (Tilting /Rotating)	deg.	5/15	5/5	5/5 <small>(1 deg. Indexing is available as an option.)</small>
A	mm	70	110	165
B	mm	φ170	φ290	φ400
C	mm	219	260	360
D	mm	321	450	600
E	mm	289	342	441
F	mm	—	20	30
G	mm	85	120	145
H	mm	φ107	φ170	φ230
J	mm	—	200	230
Approx. Pushbar Load (Tilting)	N[kgf]	392 [40]	1470 [150]	1764 [180]
Approx. Pushbar Load (Rotating)	N[kgf]	295 [30]	295 [30]	1470 [150]
Loadings (0 deg. to 90 deg.)	kg	20	70	100
Allowable Load (Table clamped)	 $F \times L$ N·m[kgf·m]	588 [60]	1127 [115]	1960 [200]
	 $F \times L$ N·m[kgf·m]	196 [20]	625 [63.8]	1127 [115]
Accuracy (Tilting)	sec.	30	30	30
Accuracy (Rotating)	sec.	30	30	30
Repeatability (Tilting)	sec.	±3	±3	±3
Repeatability (Rotating)	sec.	±3	±3	±3
Weight	kg	41.5	98	215

