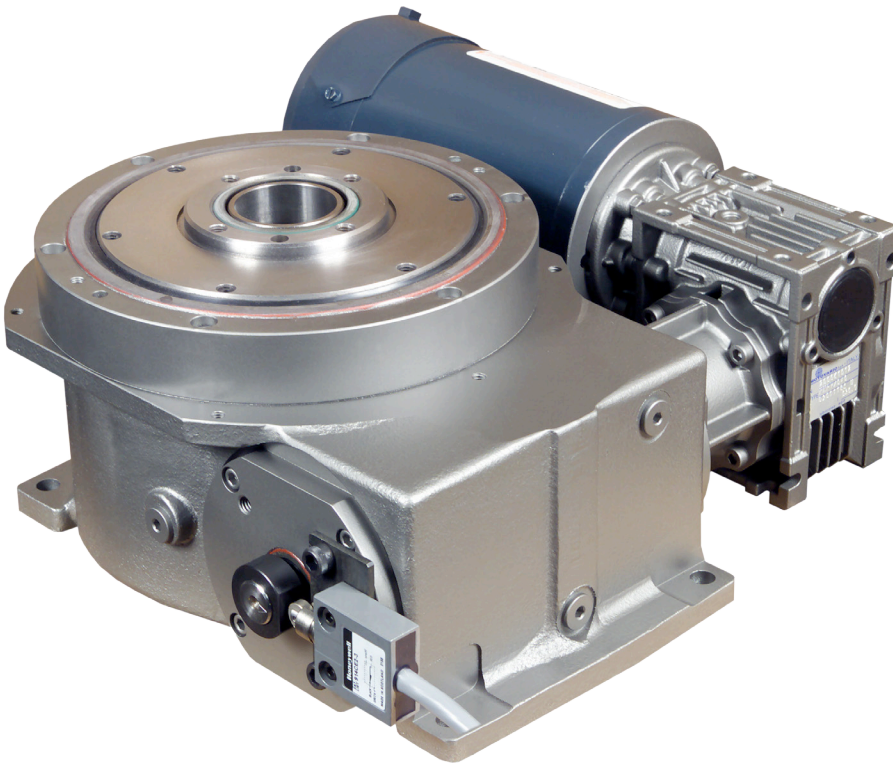


## Rotary Dial Index Drives

Cyclo-Index DT Series mechanical index drives are designed for dial plate indexing and many other intermittent motion applications.



The Cyclo-Index 3400 Series Dial Table Index Drive Package is designed to provide automation engineers with a compact and reliable rotary dial indexer. 3400 DT Drives feature a modified sine motion, widely accepted in the industry for mechanical intermittent motion drives.

### STANDARD PACKAGE

- 3400 DT Series Indexer.
- 1/3 hp, 90V DC motor.
- Worm drive reducer with various ratios.
- DC motor controller, variable speed, dynamic braking.
- Cam and limit switch for cycle-on-demand.
- Center through-hole (1.75") for power/signal apparatus.
- Universal mounting capability.

### DT SERIES FEATURES

- Globoidal cam.
- Large output element.
- Low profile.
- Rugged cast-iron housing.
- Wide variety of motions.

## CAPACITIES AND KINEMATIC DATA: 3400 DT DRIVE

# Stops	Motion	Constant Velocity	$K_j$	$K_t$	Internal Inertia (lb-in <sup>2</sup> )	$B_{10}$ Capacity (in-lb) at 50 Indexes/Min	Max Torque Capacity (in-lb)
4	330-1/4	33%	0.22	0.38	110	3527	5482
6	270-1/6	0%	0.22	0.39	110	4023	5189
8	270-1/8	33%	0.13	0.23	112	4686	5189
12	270-1/12	0%	0.11	0.20	110	5280	5646
12	180-1/12	0%	0.16	0.29	110	5088	5646
12	150-1/12	0%	0.20	0.35	110	4968	5646
12	120-1/12	33%	0.20	0.35	110	4968	5189
16	270-1/16	0%	0.08	0.15	112	5982	5646
16	180-1/16	0%	0.12	0.22	112	5905	5646
16	150-1/16	33%	0.12	0.21	112	5846	5643

