

## BCD50 SERIES

### Mechanical Indexer for Rotary Application

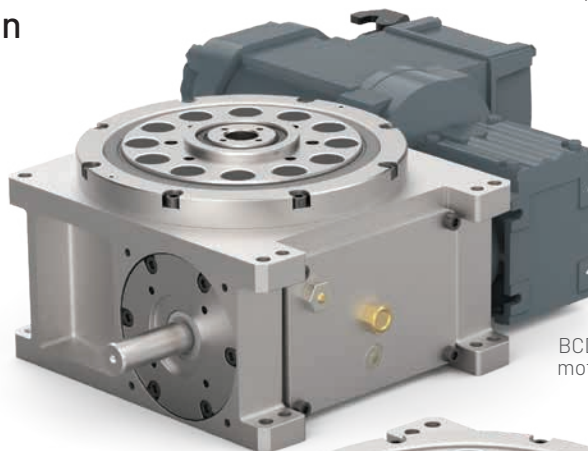
The DESTACO **BCD50 Series** cam-operated rotary indexer offers smooth, precise movement for a wide range of processes. Designed for medium load and speed applications, it ensure repeatable accuracy through controlled acceleration and deceleration. With various stops, different drive configurations, easily accessible cam followers, and precise performance at a competitive price, the BCD50 delivers reliable indexing with minimal maintenance.

**Customizable Stop Positions:** Supports multiple stop configurations to suit various application needs.

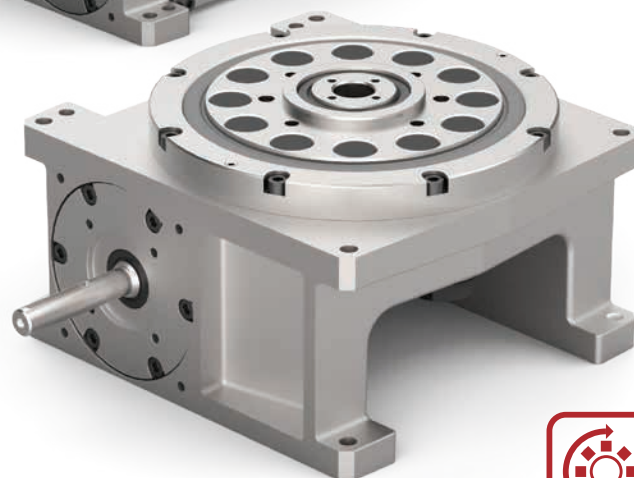
**Precision Engineering:** Delivers consistently high accuracy for reliable performance.

**User-friendly Maintenance:** Cam followers are easily accessible for quick inspection and servicing.

**Cost-effective Accuracy:** Offers exceptional precision at a competitive price point.



BCD50 shown with motor and gearbox.



INDEXING

#### PRODUCT HIGHLIGHTS/OPTIONS

- Enclosed housing - compact design
- 2, 4, 6, 8, or 12 stop positions available
- Compatible with various motor types
- Dimensions: 235 x 210 x 140 mm (L x W x H)

#### FEATURES & BENEFITS



PERFORMANCE

- Integrated static center post mount
- Large central bore and housing opening for cable routing
- High load capacity for a wide range of uses



LOW/NO MAINTENANCE

- Easy cam access
- Lubricated for life
- Quick cam follower replacement



PRECISION

- Precision indexing with high repeatability
- Servo drive capability for dynamic motion control



ASSEMBLY



CNC MACHINING



FIXTURE & TESTING



LOGISTICS

APPLICATIONS



TRANSPORTATION



CONSUMER GOODS



FOOD & PACKAGING



LIFE SCIENCES

MARKETS

## BCD Series Barrel Cam Drive

### Mechanical Indexer for Rotary Application

#### EASY TO INTEGRATE

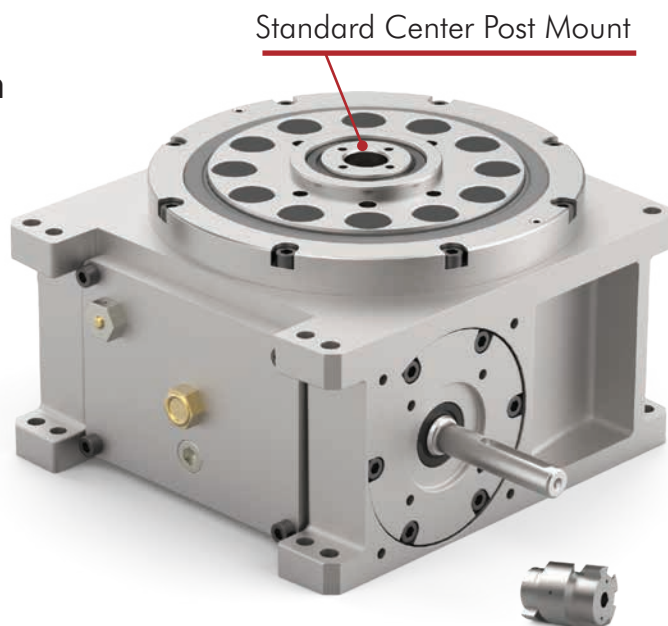
Integrated vertical center section with large center and housing openings for cable routing. High load capacity.

#### LOW-MAINTENANCE

Lifetime lubrication, easy access to the cam, and quick replacement of the cam rollers.

#### PRECISE MOTION

High repeatability with servo drive available for dynamic motion control.



#### Stops Available



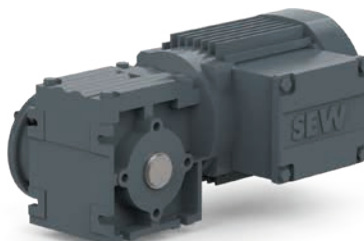
#### Motion Options



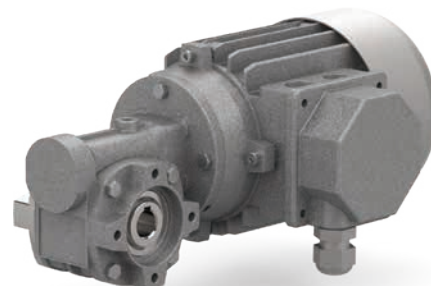
### Flexible motor options and orientations available



SEW / WAF Gearbox  
and Motor with Brake.



SEW / WAF Gearbox  
and Motor without Brake.



STM / RMI-28 Gearbox and  
Motor without Brake.

### Multiple sensing options available



Single or Dual Cam Proximity  
Sensors (PNP/NPN)



Single or Dual Cam  
Mechanical Limit Switches

### Technical Information

#### Output Load Capacity (loads carried during index):

|              |                   |
|--------------|-------------------|
| Radial       | 1400 N [315 lbs]  |
| Thrust/Axial | 3500 N [787 lbs]  |
| Moment       | 70 Nm [620 in-lb] |

#### Typical Application Dial Diameter:

200 mm [7.87 in] to 700 mm [27.56 in]

#### Accuracy:

$\pm 65$  arcsec /  $\pm 0,11$  mm [ $\pm 0.00433$  in]  
at typical dial radius 350 mm [13.78 in]

#### Repeatability:

$\pm 11$  arcsec /  $\pm 0,019$  mm [0.000748 in]  
at typical dial radius 350 mm [13.78 in]

DIMENSIONS AND TECHNICAL INFORMATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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