INDEXERS
Servo Positioners
GTB Series
Globoidal (Roller Gear)
Servo Positioner.......................... IN-SRV-1

DSR Series
Double Contact Bearing
HD Servo Positioner....................... IN-SRV-19

PGM Series
Parallel Gear
Servo Positioner.......................... IN-SRV-33

RSD Series
Rotary Servo Drives....................... IN-SRV-39

Mechanical Indexers
RDM Series
Rotary Index Drive ....................... IN-MCH-2

RA Series
Right Angle Index Drive ........... IN-MCH-18

RD Series
Roller Dial Index Drive............. IN-MCH-28

E Series
Heavy-Duty Index Drive .......... IN-MCH-40

RGD/RGS Series
Roller Gear Index Drive .......... IN-MCH-52

P Series
Parallel Shaft/Flange Drive.... IN-MCH-72

Mechanical Indexers (cont’d)

RNG Series
Ring Drive Dial Indexer..... IN-MCH-84

OVERLOAD CLUTCHES

Overload Clutches
Output Overload..................... IN-CLU-1

CUSTOM CAMS

Custom Cams
Cam Design Solutions ...... IN-CAM-1

CONVEYORS

Precision Link Series
Table-Top ............................ IN-CNV-2

Precision Link Series
Heavy-Duty ............................ IN-CNV-14

Rite-Link Series
Thin-Profile .......................... IN-CNV-23

PARTS HANDLERS

LPP Series
Linear Part Handlers ............... IN-PRT-2

RPP Series
Rotary Part Handlers ............... IN-PRT-8

Dimensions and technical information are subject to change without notice
**Features:**

The **CAMCO E-Series Heavy Duty Index Drive** is ideal for heavy-duty rotary dial applications with features including:

- Large output mounting surface supported by a 4-point contact bearing providing superior thrust and moment capacity
- Large center thru-hole to accommodate stationary center post, electrical wiring and air or hydraulic lines
- Complete motorized drive package with reducer and AC inverter drive to suit most applications
- Precision cam with preloaded cam followers for maximum accuracy
- Durable welded steel housing
- Preloaded “center rib” design for smooth acceleration and deceleration with precision positioning

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<td>7</td>
</tr>
<tr>
<td>1150E</td>
<td>9</td>
</tr>
<tr>
<td>1550E</td>
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### E-SERIES

**Heavy Duty Index Drive | How To Order**

<table>
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<th>Stops</th>
<th>Index Period</th>
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<tr>
<td>B</td>
<td>3</td>
<td>330</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
<td>330</td>
</tr>
<tr>
<td>D</td>
<td>6</td>
<td>330</td>
</tr>
<tr>
<td>E</td>
<td>8</td>
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<td>12</td>
<td>330</td>
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<tr>
<td>G</td>
<td>16</td>
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**Reducer Ratio**

<table>
<thead>
<tr>
<th>Reducer Ratio</th>
<th>750E</th>
<th>950E</th>
<th>1150E</th>
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**Reducer Mounting**

(See Figure 3)

**Index Mounting**

(See Figure 1)

**Control** (only available with these models)

1. 15 HP 240V 750E & 950E only
2. 15 HP 440V 750E & 950E only
3. 25 HP 240V 1150E only
4. 25 HP 440V 11550E only
5. 30 HP 240V 1550E only
6. 30 HP 440V 1550E only

**Base Model Description**

- 750E: w/ KH87 reducer & 12.5 HP AC motor (220/440V)
- 950E: w/ KH87 reducer & 15 HP AC motor (220/440V)
- 1150E: w/ KH107 reducer & 25 HP AC motor (220/440V)
- 1550E: w/ KH127 reducer & 30 HP AC motor (220/440V)

**Signal Switch**

- M: Mechanical
- S: Shaft
- P: Proximity

**Example: MS or PS**

Note about signal switch options:
- a) Mechanical is a single switch with cam.
- b) Proximity option is a mounting bracket for 8 or 12 mm proximity switch.

A proximity switch will not be supplied. Cam supplied as target.

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.
Input Shaft Configuration/Rotations (Figure 1)

<table>
<thead>
<tr>
<th>SIDE 1</th>
<th>CCW</th>
<th>CW</th>
</tr>
</thead>
</table>

| SIDE 2 | CCW | CWW |

Signal Switch Mounting Position (Figure 2)

Relative Rotation for Right Hand Cam:

- CW Input Side 1 CCW Output
- CCW Input Side 2 CWW Output

NOTE: Input can be driven in either direction

Gear Reducer Mounting Position (Figure 3)

Dimensions and technical information are subject to change without notice
Dimensions and technical information are subject to change without notice.
### Maximum Inertia x 1000 [lb-in^2] kg-cm² for standard package

<table>
<thead>
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### Reducer Ratio

| Reducer Ratio | 14.45 | 19.45 | 24.92 | 31.39 | 44.02 | 49.16 | 63.00 |

### Features

- KH87 Gear Reducer with Brake-motor
- Double Extended Camshaft (Input shaft)
- Center Thru Hole (Ø127 mm [Ø5 in])
- Cycle Cam and Limit Switch
- Right Hand Cam

### Optional Accessories

- Left Hand Cam
- Relief in Dwell for Shot-Pin applications
- Dual Cam & limit Switch
- KH97 Gear Reducer with Brake-motor
- Stationary Center Post
- Visual Disk Dwell Indicator

### Output Load Capacity

**Output Load Capacity** (loads carried during index):
- Radial: 129888 N [29200 lbs]
- Thrust/Axial: 186825 N [42000 lbs]
- Moment: 46830 N-m [414500 in-lbs]

### Typical Application

**Dial Diameter:** 1397 mm to 2794 mm [55 in to 110 in]

**Accuracy:** ±27 arcsec / ±0.05 mm [±.002 in]

**Repeatability:** ±7 arcsec / ±0.013 mm [±.0005 in]
Heavy Duty Index Drive | Dimensions

Dimensions and technical information are subject to change without notice.
### Maximum Inertia x 1000 [lb-in²] kg-cm² for standard package

<table>
<thead>
<tr>
<th>Stops</th>
<th>Motion Time [seconds]</th>
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<tr>
<td>16</td>
<td>[1290]</td>
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</table>

### Reducer Ratio

|       | 14.45 | 19.45 | 24.92 | 31.39 | 44.02 | 49.16 | 63.00 |

### Features
- KH87 Gear Reducer with Brake-motor
- Double Extended Camshaft (Input shaft)
- Center Thru Hole (Ø105 mm [Ø4.13 in])
- Cycle Cam and Limit Switch
- Right Hand Cam

### Optional Accessories
- Left Hand Cam
- Relief in Dwell for Shot-Pin applications
- Dual Cam & limit Switch
- KH97 Gear Reducer with Brake-motor
- Stationary Center Post
- Visual Disk Dwell Indicator

### Output Load Capacity (loads carried during index):
- Radial: 233976 N [52600 lbs]
- Thrust/Axial: 337397 N [75850 lbs]
- Moment: 110438 N-m [977500 in-lbs]

### Typical Application
- Dial Diameter: 1778 mm to 3556 mm (70 in to 140 in)
- Accuracy: ±29 arcsec / ±0.058 mm [±.0023 in] at 762 mm [30in] Radius
- Repeatability: ±6 arcsec / ±0.015 mm [±.0006 in] at 762 mm [30in] Radius
### Features
- KH107 Gear Reducer with Brake-motor
- Double Extended Camshaft (Input shaft)
- Center Thru Hole (Ø278 mm [Ø10.94 in])
- Cycle Cam & limit Switch
- Right Hand Cam

### Optional Accessories
- Left Hand Cam
- Relief in Dwell for Shot-Pin applications
- Dual Cam & limit Switch
- KH127 Gear Reducer with Brake-motor
- Stationary Center Post
- Visual Disk Dwell Indicator

### Maximum Inertia x 1000 kg-cm² [lb-in²] for standard package

<table>
<thead>
<tr>
<th>Stops</th>
<th>Motion Time [seconds]</th>
</tr>
</thead>
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<tr>
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<table>
<thead>
<tr>
<th>Reducer Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>29.00</td>
</tr>
</tbody>
</table>

### Output Load Capacity (loads carried during index):
- Radial: 262556 N [59025 lbs]
- Thrust/Axial: 380189 N [85470 lbs]
- Moment: 165968 N-m [1469000 in-lbs]

### Typical Application
- Dial Diameter: 2286 mm to 4572 mm [90 in to 180 in]

### Accuracy
- ± 16 arcsec / ±0.05 mm [±.002 in] at 635 mm [25in] Radius

### Repeatability
- ± 4 arcsec / ±0.013 mm [±.0005 in] at 635 mm [25in] Radius

Dimensions and technical information are subject to change without notice
### Features
- KH127 Gear Reducer with Brake-motor
- Double Extended Camshaft (Input shaft)
- Center Thru Hole (Ø470 mm [Ø18.50 in])
- Cycle Cam and Limit Switch
- Right Hand Cam

### Optional Accessories
- Left Hand Cam
- Relief in Dwell for Shot-Pin applications
- Dual Cam & limit Switch
- KH157 Gear Reducer with Brake-motor
- Stationary Center Post
- Visual Disk Dwell Indicator

### Maximum Inertia x 1000 kg-cm² [lb-in²] for standard package

<table>
<thead>
<tr>
<th>Stops</th>
<th>Motion Time [seconds]</th>
</tr>
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<td>146334</td>
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<tr>
<td>16</td>
<td>263112</td>
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</table>

### Reducer Ratio
- 40.19
- 54.07
- 70.95
- 81.98
- 89.89
- 110.18
- 122.48

### Output Load Capacity
- (loads carried during index):
  - Radial: 367423 N [82600 lbs]
  - Thrust/Axial: 533786 N [120000 lbs]
  - Moment: 328094 N-m [2904000 in-lbs]

### Typical Application
- Dial Diameter: 2997 mm to 5994 mm [118 in to 236 in]
- Accuracy: ±12 arcsec / ±0.043 mm [±.0017 in]
  at 762 mm [30in] Radius
- Repeatability: ±3 arcsec / ±0.010 mm [±.0004 in]
  at 762 mm [30in] Radius