

PRECISION INDEXING SOLUTIONS

Features and Benefits

The **CAMCO RDM Series** is a line of cam-operated rotary index drives, designed to move a wide array of products and components smoothly and with precision. Preloaded for no backlash, they have the capacity for handling high loads and speeds with controlled acceleration and deceleration for repeatable, accurate positioning.

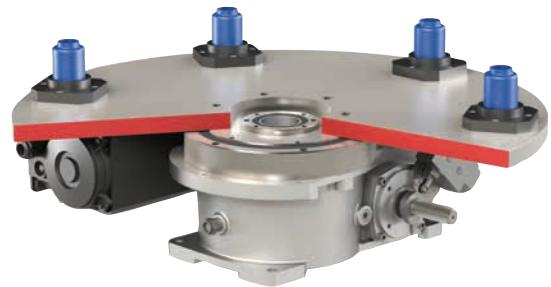
- High precision, hardened cams available in standard and special motions
- Superior accuracy at the working radius when compared to a traditional indexer
- Sealed 4-point contact output bearing and large cam followers for superior accuracy and load capacity
- 60 Station capacity, ideal for multi-part automatic assembly machines
- Center through hole accommodates machine utilities
- Servo-driven solutions available for complex or variable indexing profiles
- Optional Output Overload Clutch available



Application Examples

Cycle on Demand Indexer with Fixed Number of Stations

- RDM indexer with user controlled variable dwell time
- Single index cycle with user controlled variable dwell time
- Index time is controlled by varying frequency setting of inverter drive
- 60 or 30 indexing cycles per minute using an AC or DC motor and drive respectively
- Increased productivity cycle rates with an Output Clutch-Brake option



Cambot Flexible Pick and Place Solutions

- Servo driven indexer supporting high moment capacity payloads
- Large output flange for mounting a custom end-effector solution
- Integrate Destaco's versatile grippers, slides and vacuum products for pick and place actuation



CAMCO XPRESS PROGRAM

601RDM and 902RDM Series

Destaco continues to offer excellent service to our customers by providing the most common models of our **Camco RDM Series** as fast as you need them.



Base Models

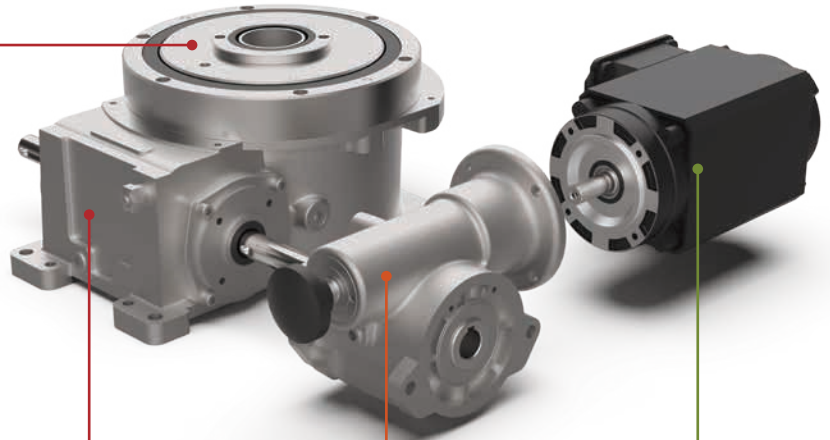
Please contact your Destaco Camco Sales Team to learn more features of the RDM Series and details of the Xpress Program.



601RDM
Load Capacity:
 Radial: 945 lbs
 Thrust/Axial: 2360 lbs



902RDM
Load Capacity:
 Radial: 3540 lbs
 Thrust/Axial: 7000 lbs
 with Standard Torque and
 Detector Plate Settings



Stops		Motion	Reducer	Ratio	Motor	Optional Controller	Clutch
(M)601RDM	(M)902RDM						
			601RDM R180 DE R225 SE		601RDM W/0.33HP 230/460V or 90/180V DC Motor	Allen Bradley PowerFlex 523 / 525 <small>(Allen Bradley, PowerFlex are registered brands of Rockwell Automation)</small>	(M)4.0D
					902RDM W/1HP, 56C 230/460V or 90/180V DC Motor		(M)7.8D
			902RDM R225 SE				
						Camco Vari-Pak	

RDM SERIES

Rotary Index Drive | How To Order

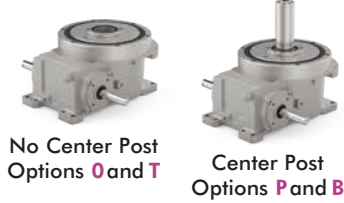
Base Model*		Option Tables Page #	Index Mounting (See Figure 1)	Reducer/Motor (Table 1) Note: Set Reducer Mounting option to 0 when Reducer/Motor option is 0000.	Reducer Mounting (See Figure 2)		Cycling Sensor (See Figure 3) Description				
Imperial	Metric				0 = No Reducer	0 = No Sensors	A	B	C	D	E
N/A	80RDM	5	1		A	J	A	Single Cam w/PNP Prox			
601RDM	M601RDM	11	2		B	K	B	Single Cam w/NPN Prox			
902RDM	M902RDM	17	3		C	L	C	Dual Cam w/PNP Prox			
N/A	1100RDM	23	4		D	M	D	Dual Cam w/NPN Prox			
1305RDM	M1305RDM	29	5		E	N	E	Single Cam/Prox Bracket			
1800RDM	M1800RDM	35	6		F	P	F	Dual Cam/Prox Bracket			
					G	R	G	Single Cam, w/Mech LS			
					H	S	H	Dual Cam, w/Mech LS			

*Right Hand Cam only

601RDM - C - 1 - P - RM2E - 000 - C - L - A - 40EA - A02

Motion	Description
A	2-Stop-330
B	3-Stop-330
C	4-Stop-270
D	4-Stop-330
E	6-Stop-270
F	6-Stop-330
G	8-Stop-270
H	8-Stop-330
I	12-Stop-270
J	12-Stop-330
K	16-Stop-270
L	16-Stop-330
M	8:1 Constant-Lead
N	12:1 Constant-Lead
P	16:1 Constant-Lead
R*	24:1 Constant-Lead

Center Post	Code	Description
All Sizes	0	No Reducer
	P	Center Post
902	T	Tool Plate Mounting Holes
1100	B	Center Post + Tool Plate Mounting Holes
1305		



*Models 601, 902, 1100 only.

Motor Brake Settings (Table 2)

Reducer Gear Ratio (Table 3)

Output Clutch (Table 4)

Motor Control (Table 5)



Input Shaft Configuration/Rotation

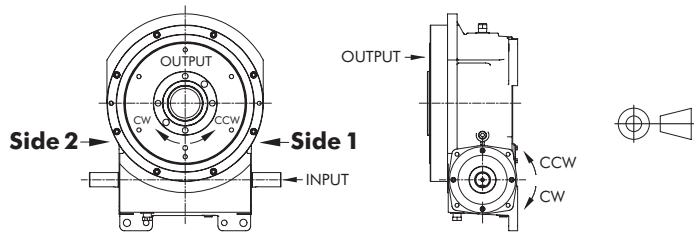
Relative Rotation for Right Hand Cam:

Side 1: CW Input, CCW Output

Side 2: CCW input, CW Output

NOTE: Input can be driven in either direction.

Reducer, Motor and adapter plates can be mounted on either side 1 or side 2 to drive input.



Index Mounting (Figure 1)




OVOI (output vertical, over input)	OVUI (output vertical, under input)	OHOI (output horizontal, over input)	OHUI (output horizontal, under input)	H-S1-UP (output horizontal, side 1 up)	H-S2-UP (output horizontal, side 2 up)
1	2	3	4	5	6

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Gear Reducer Mounting Positions (Figure 2)

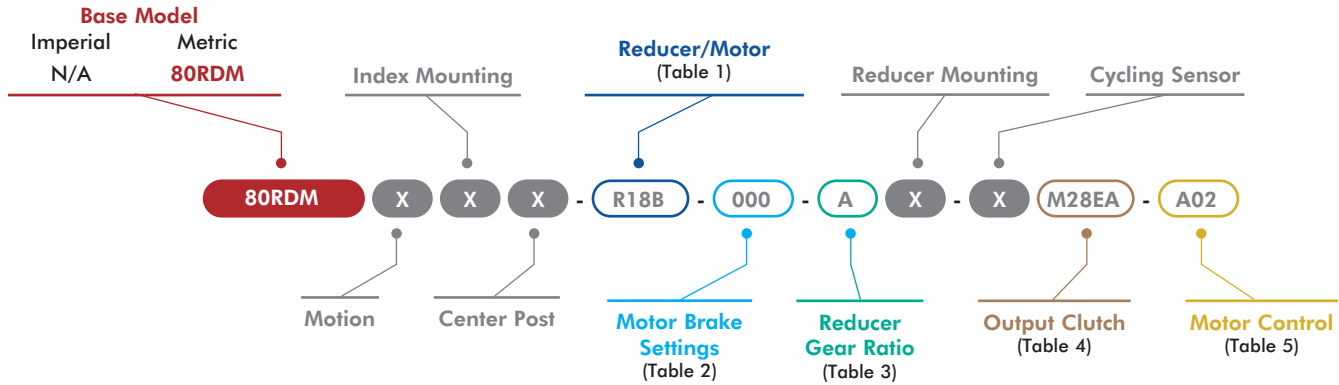
		Mounting "A"		Mounting "B"	
		Right Hand	Left Hand	Right Hand	Left Hand
SIDE 1					
					
SIDE 2					
					

Cycling Sensor Options (Figure 3)

Single Cam with (A) PNP or (B) NPN Proximity Sensor	Dual Cam with (A) PNP or (B) NPN Proximity Sensor	Single Cam with Proximity Sensor Bracket	Dual Cam with Proximity Sensor Bracket	Single Cam with Mechanical Limit Switch	Dual Cam with Mechanical Limit Switch
					
					

80RDM SERIES

Rotary Index Drive | How To Order



X = See Page 3 for option information.

1 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
R180 Motors	
R18X	R180 Adapter only*
R18A	R180 Reducer
R18B	R180 Reducer with 0.33HP 230/460V AC Motor
R18C	R180 Reducer with 0.33HP 90V DC Motor
R18D	R180 Reducer with 0.33HP 180V DC Motor
STM RMI-28/40 Motors	
RM1A	RMI-28 Adapter only*
RM1B	STM RMI-28/LFB/IEC56-B14 Reducer
RM1C	STM RMI-28/LFB with 0.09kW Motor
RM2A	RMI-40 Adapter only*
RM2B	STM RMI-40/LFB/IEC63-B14 Reducer
RM2C	STM RMI-40/LFB/IEC71-B14 Reducer
RM2D	STM RMI-40/LFB with 0.18kW Motor
RM2E	STM RMI-40/LFB with 0.25kW Motor

*All Reducer/Motor adapters require Gear Ratio option to be 0.

2 Motor Brake

Code	Description
000	No Brake

3 Reducer Gear Ratios*

Code	Description	
	R180	STM RMI-28/40
0	N/A	N/A
A	10:1	10:1
B	15:1	15:1
C	20:1	20:1
D	25:1	28:1
E	30:1	40:1
F	40:1	49:1
G	50:1	56:1
H	60:1	70:1

*All Reducer/Motor adapters require Gear Ratio option to be 0.
Select Gear ratio column based on the reducer type selected.

4 Output Clutch & Settings

80RDM Metric Clutch Models	
Code	Description
0000	No Output Overload Clutch
M28DA	M2.8D/54 Nm, Standard*
M28DB	M2.8D/96 Nm, Standard*
M28DC	M2.8D/147 Nm, Standard*
M28DD	M2.8D/249 Nm, Standard*
M28DE	M2.8D/350 Nm, Standard*
M28DF	M2.8D/45 Nm, Standard*
M28DG	M2.8D/79 Nm, Standard*
M28DH	M2.8D/124 Nm, Standard*
M28DJ	M2.8D/203 Nm, Standard*
M28DK	M2.8D/54 Nm, Thru-Hole
M28DL	M2.8D/96 Nm, Thru-Hole
M28DM	M2.8D/147 Nm, Thru-Hole
M28DN	M2.8D/249 Nm, Thru-Hole
M28DP	M2.8D/350 Nm, Thru-Hole
M28DQ	M2.8D/45 Nm, Thru-Hole
M28DR	M2.8D/79 Nm, Thru-Hole
M28DS	M2.8D/124 Nm, Thru-Hole
M28DT	M2.8D/203 Nm, Thru-Hole
M28EA	M2.8D/54 Nm, Standard, EZ*
M28EB	M2.8D/96 Nm, Standard, EZ*
M28EC	M2.8D/147 Nm, Standard, EZ*
M28ED	M2.8D/249 Nm, Standard, EZ*
M28EE	M2.8D/350 Nm, Standard, EZ*
M28EF	M2.8D/45 Nm, Standard, EZ*
M28EG	M2.8D/79 Nm, Standard, EZ*
M28EH	M2.8D/124 Nm, Standard, EZ*
M28EJ	M2.8D/203 Nm, Standard, EZ*
M28EK	M2.8D/54 Nm, Thru-Hole, EZ
M28EL	M2.8D/96 Nm, Thru-Hole, EZ
M28EM	M2.8D/147 Nm, Thru-Hole, EZ
M28EN	M2.8D/249 Nm, Thru-Hole, EZ
M28EP	M2.8D/350 Nm, Thru-Hole, EZ
M28EQ	M2.8D/45 Nm, Thru-Hole, EZ
M28ER	M2.8D/79 Nm, Thru-Hole, EZ
M28ES	M2.8D/124 Nm, Thru-Hole, EZ
M28ET	M2.8D/203 Nm, Thru-Hole, EZ

*Cannot be used with center post option P

5 Motor Control

Code	Description	
000	NO MOTOR CONTROL	
A01		120V 1Ph
A02	(AC) PowerFlex 523 1HP	240V 1Ph
A03		480V 3Ph
A04		120V 1Ph
A05	(AC) PowerFlex 525 1HP	240V 1Ph
A06		480V 3Ph
D01		Uni-Directional
D02	(DC) Varipak 1HP 90VDC	Bi-Directional
D03		Uni-Directional
D04	(DC) Varipak 2HP 180VDC	Bi-Directional

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	3 [1]	6 [2]	15 [5]	29 [10]	47 [16]	67 [23]
3	3 [1]	9 [3]	20 [7]	32 [11]	61 [21]	94 [32]	138 [47]
4	6 [2]	18 [6]	38 [13]	67 [23]	135[46]	217 [74]	304 [104]
6	15 [5]	38 [13]	82 [28]	126 [43]	246 [84]	401 [137]	559 [191]
8	20 [7]	44 [15]	73 [25]	114 [39]	222 [76]	372 [127]	559 [191]
12	50 [17]	99 [34]	167 [57]	258 [88]	497 [170]	559 [191]	559 [191]
16	47 [16]	91 [31]	152 [52]	231 [79]	448 [153]	559 [191]	559 [191]
Reducer Ratio							
	15	20	25	30	40	50	60

Contact your DESTACO sales representative for more information.

Features

- R180 Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Worm Shaft Handwheel
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø70 mm [Ø2.76 in.])
- 1/3 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam
- Universal Mounting Capability

Output Load Capacity (loads carried during index):

Radial	3358 N [755 lbs]
Thrust/Axial	8385 N [1885 lbs]
Moment	213 N-m [1885 in-lb]

Typical Application Dial Diameter:

203 mm [8 in] to 711 mm [28 in]

Accuracy

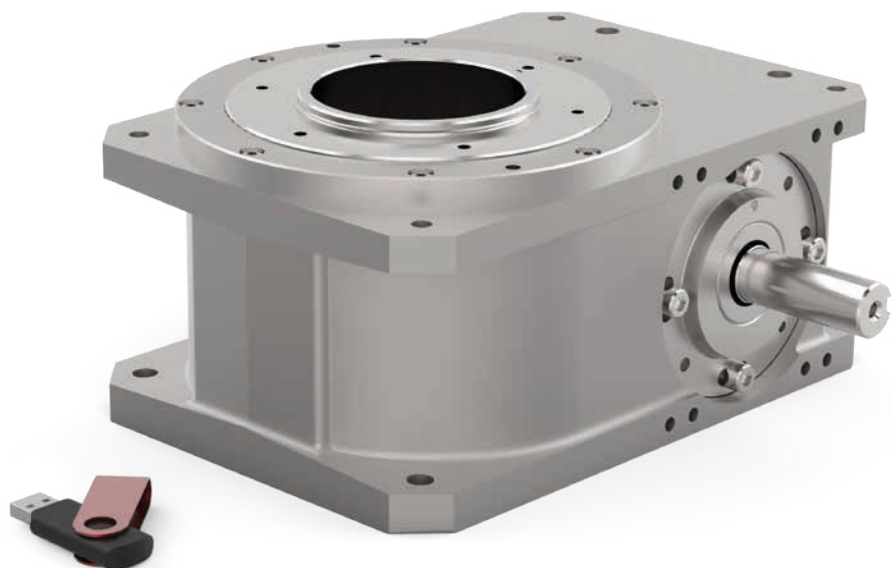
±44 arcsec / ±0,08 mm [±.003in]
at 355,6 mm [14in] Radius

Repeatability

±11 arcsec / ±0,018 mm [±.0007in]
at 355,6 mm [14in] Radius

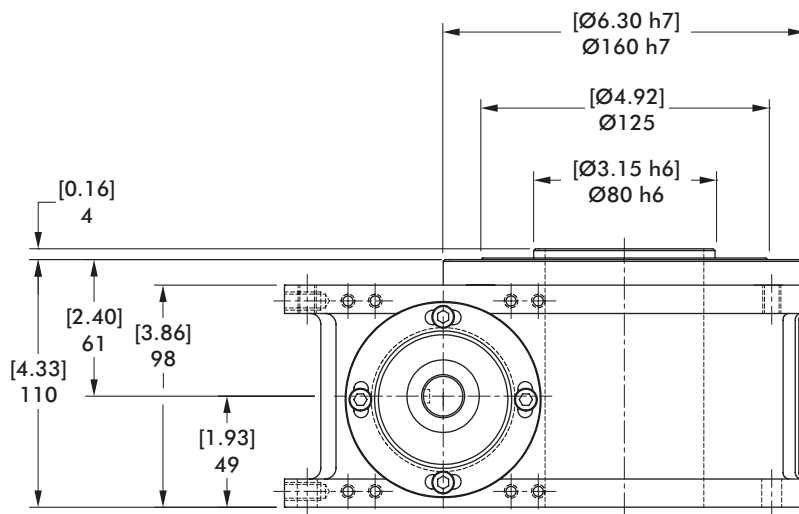
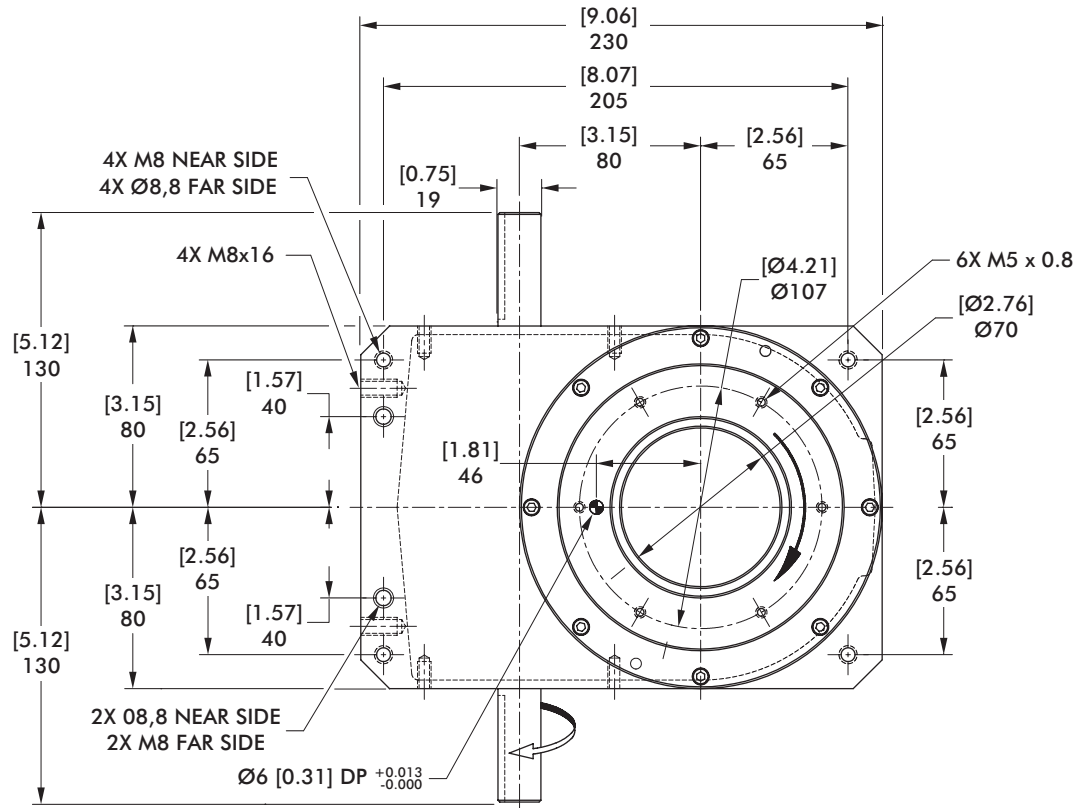
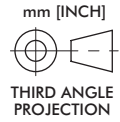
Optional Accessories

- 1/3 HP DC Motor
- Varipak DC Motor Control (up to 30 cpm)
- Output Mechanical Overload Clutch
 - See Page 9
- EZ Mount Dial Adapter
- Stationary Center Post
- Dual Cam and Limit Switch
- Electric Clutch-Brake
- Left Hand Cam



8ORDM SERIES

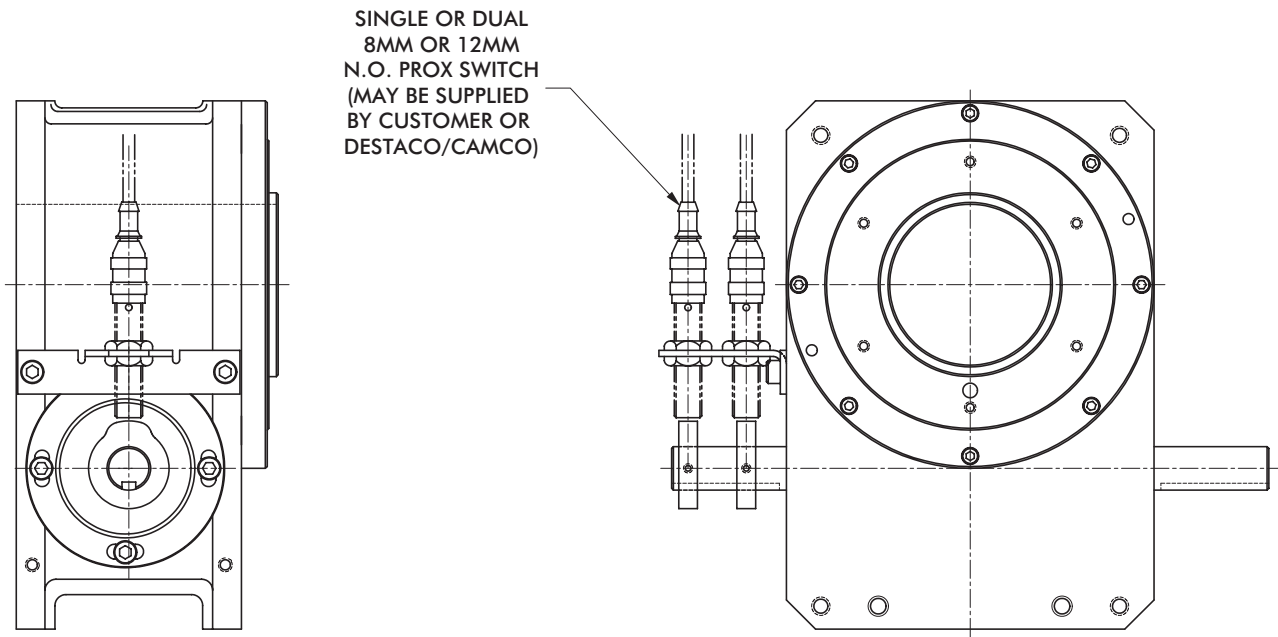
Rotary Index Drive | Dimensions



80RDM SERIES

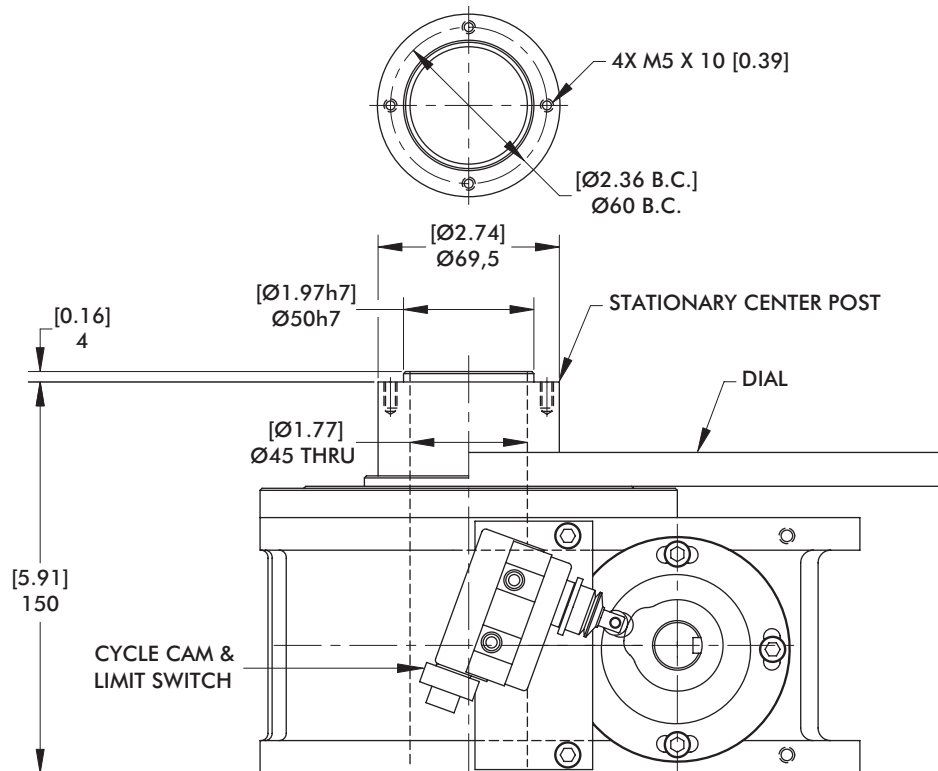
Rotary Index Drive | Dimensions

Proximity Switch



mm [INCH]
THIRD ANGLE
PROJECTION

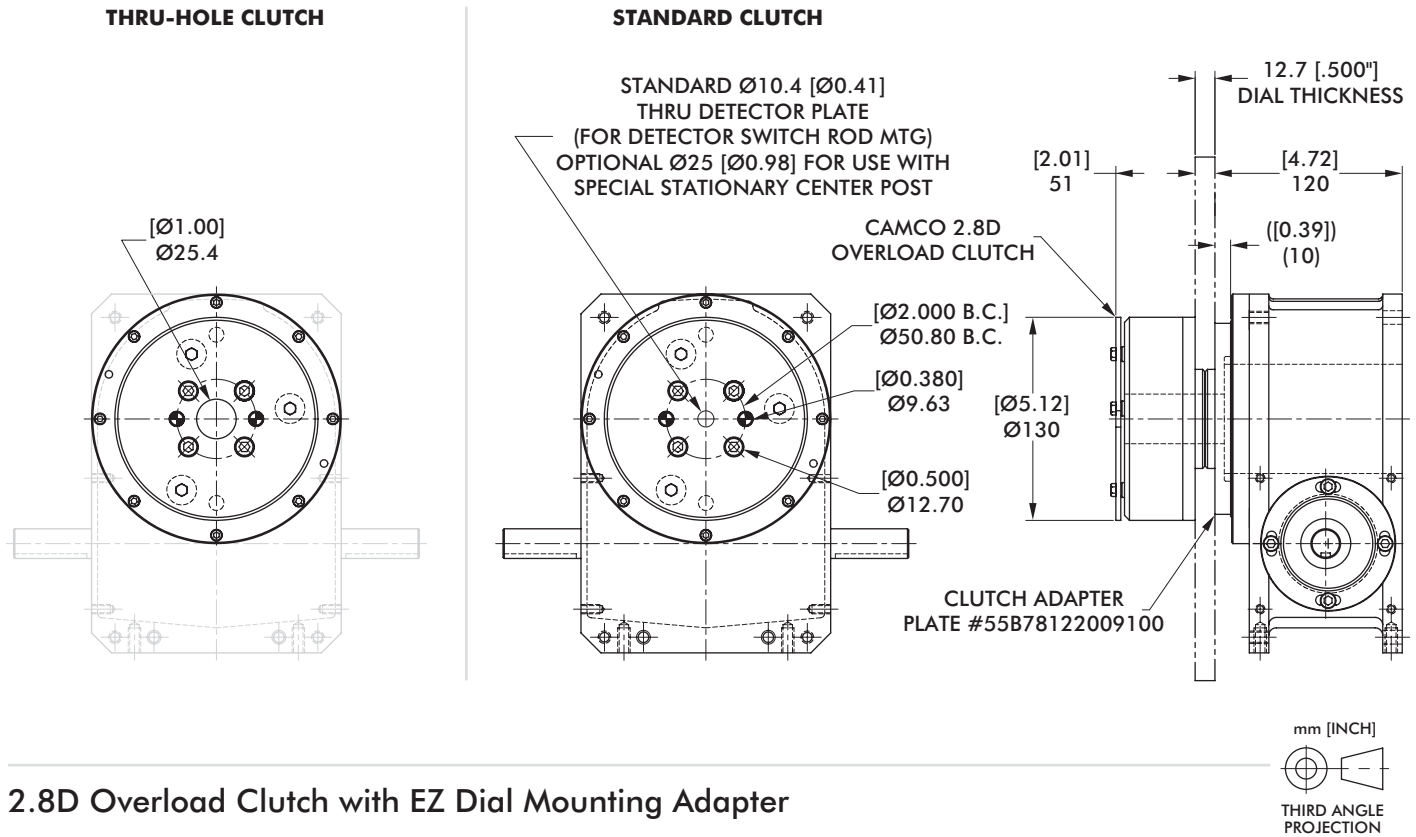
Center Post



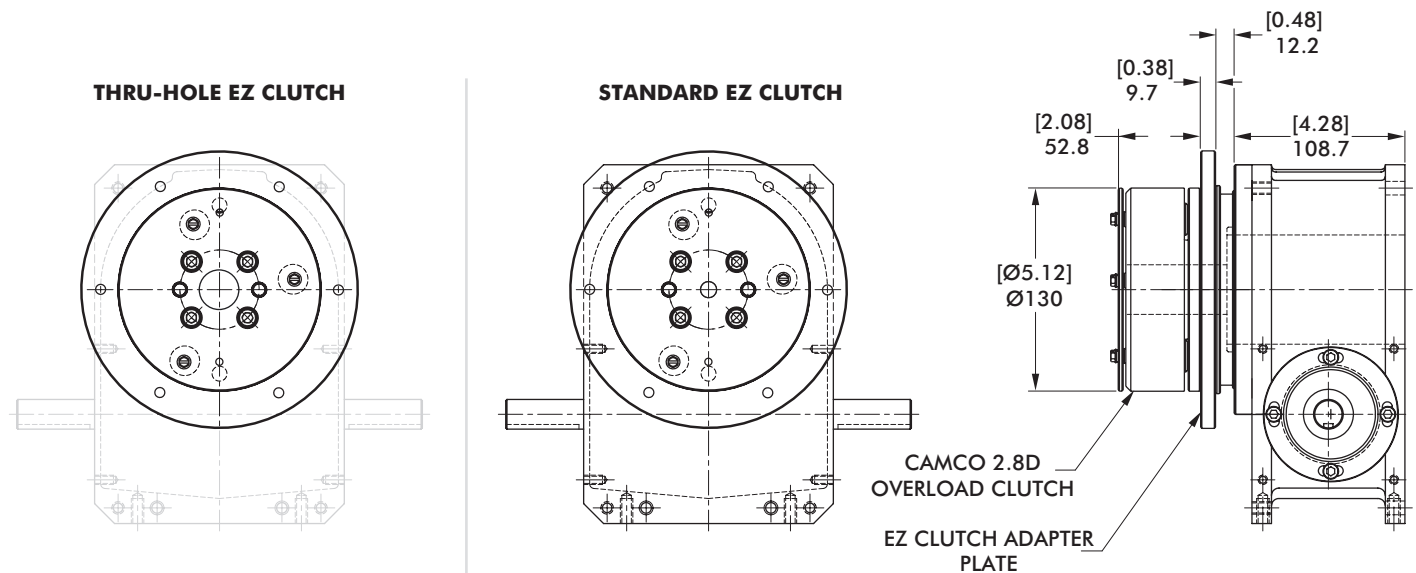
8ORDM SERIES

Rotary Index Drive | Dimensions

2.8D Overload Clutch



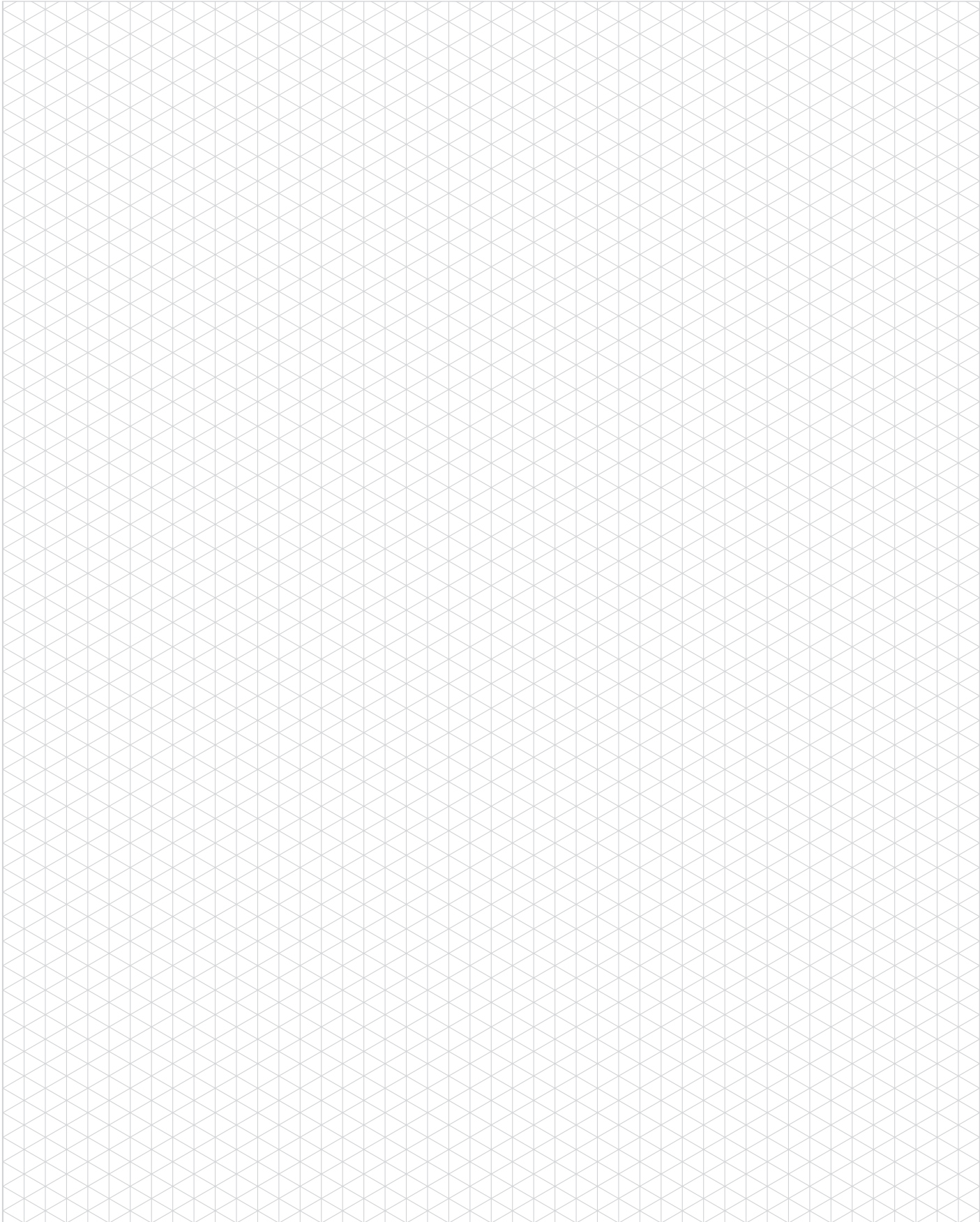
2.8D Overload Clutch with EZ Dial Mounting Adapter



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
2.8D	0,0085 [29]	45, 54, 79, 96, 124, 147, 203, 249, 350 [400, 480, 700, 850, 1100, 1300, 1800, 2200, 3100]

80RDM SERIES

Notes



Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	3 [1]	6 [2]	15 [5]	32 [11]	50 [17]	70 [24]
3	3 [1]	9 [3]	20 [7]	35 [12]	82 [28]	123 [42]	170 [58]
4	6 [2]	18 [6]	38 [13]	67 [23]	152 [52]	228 [78]	310 [106]
6	15 [5]	41 [14]	82 [28]	149 [51]	328 [112]	492 [168]	667 [228]
8	29 [10]	73 [25]	149 [51]	263 [90]	582 [199]	875 [299]	1188 [406]
12	64 [22]	167 [57]	337 [115]	597 [204]	1314 [449]	1399 [478]	1399 [478]
16	117 [40]	296 [101]	600 [205]	1056 [361]	1399 [478]	1399 [478]	1399 [478]
Reducer Ratio							
	15	20	25	30	40	50	60

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Features

- R180 Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Worm Shaft Handwheel
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø44,45 [Ø1.75 in.])
- 1/3 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	4204 N [945 lbs]
Thrust/Axial	10498 N [2360 lbs]
Moment	373 N-m [3305 in-lb]

Typical Application

Dial Diameter: 305 mm [12 in] to 914 mm [36 in]

Accuracy ±39 arcsec / ±0,08 mm [±.003in] at 457,2 mm [18in] Radius

Repeatability ±10 arcsec / ±0,023 mm [±.0009in] at 457,2 mm [18in] Radius

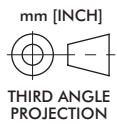
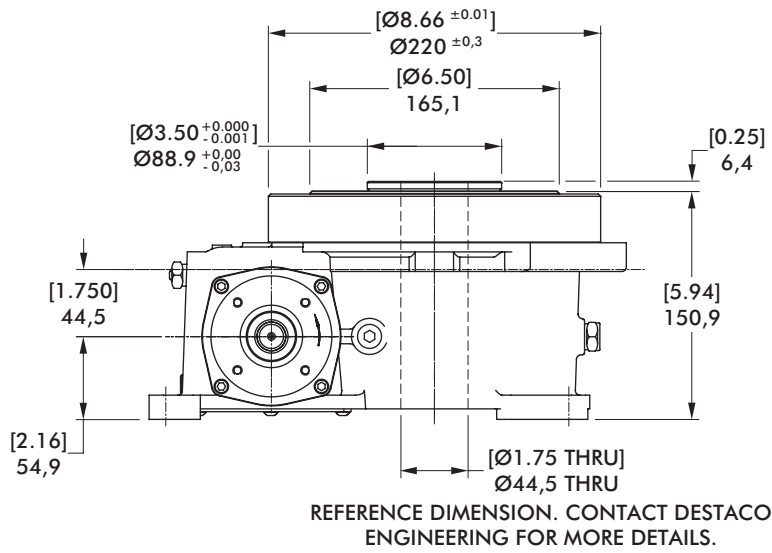
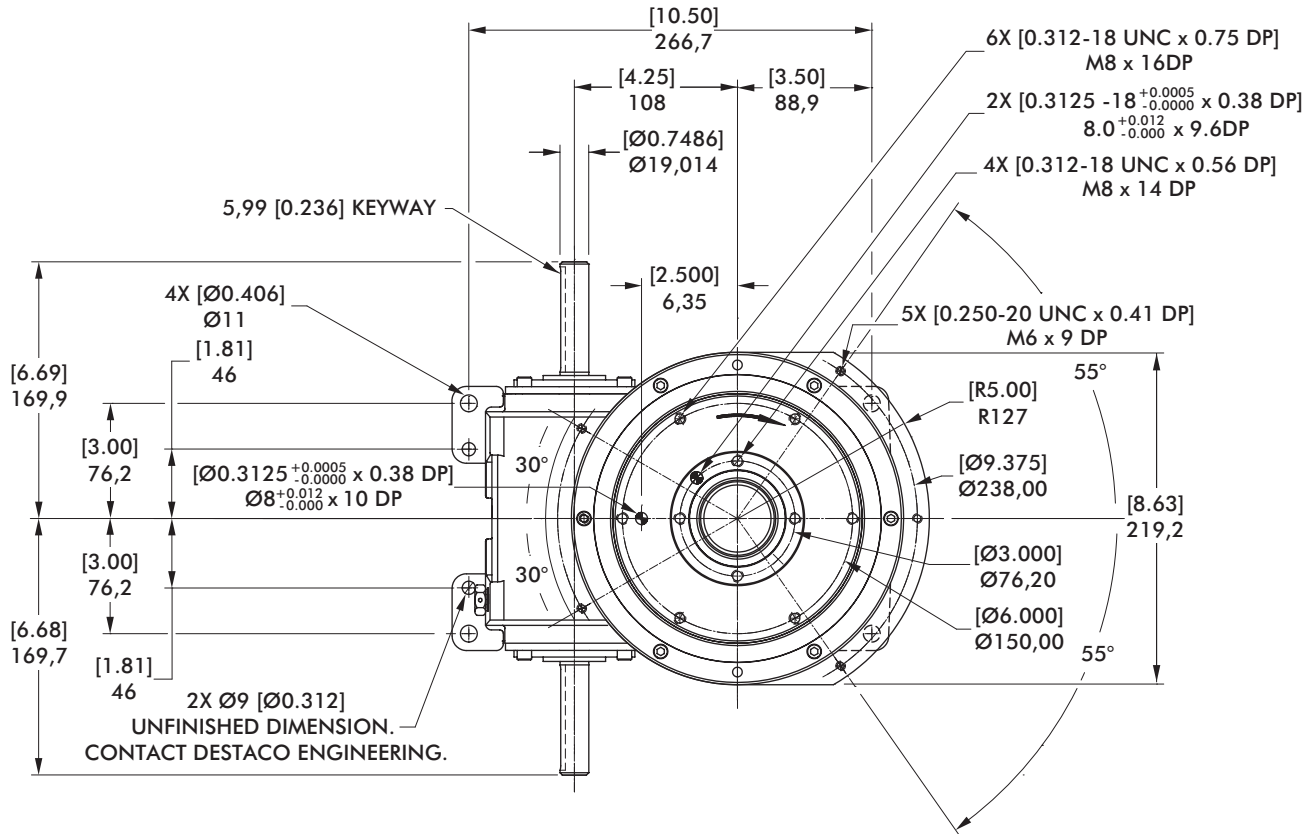
Optional Accessories

- 1/3 hp DC Motor
- Varipak DC Motor Control (up to 30 cpm)
- Output Mechanical Overload Clutch
 - See Page 15
- EZ Mount Dial Adapter
- Stationary Center Post
- Dual Cam and Limit Switch
- Relief in Dwell for shot-pin applications
- Left Hand Cam



601RDM SERIES

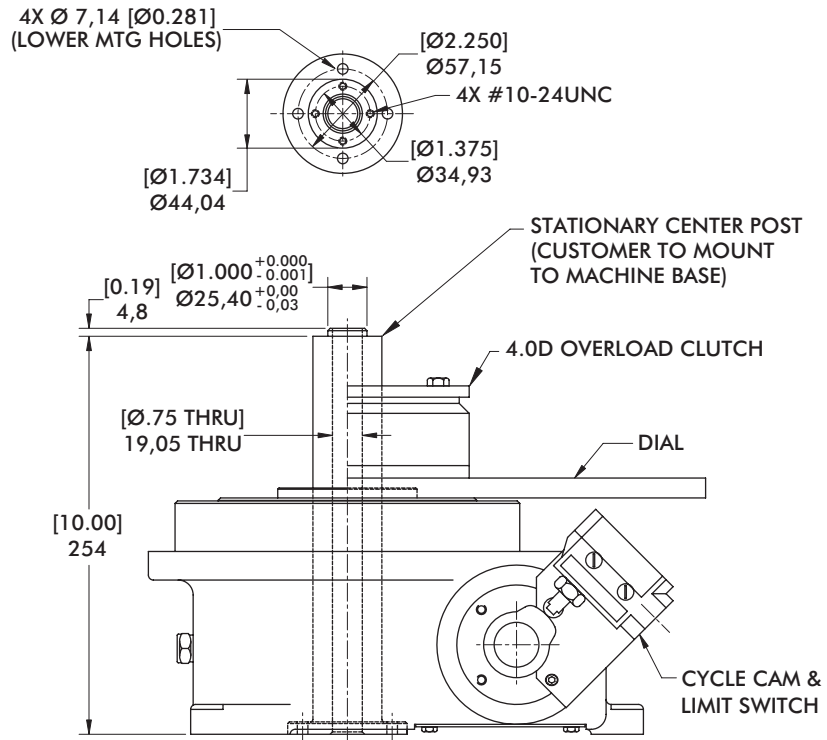
Rotary Index Drive | Dimensions



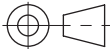
601RDM SERIES

Rotary Index Drive | Dimensions

Proximity Switch

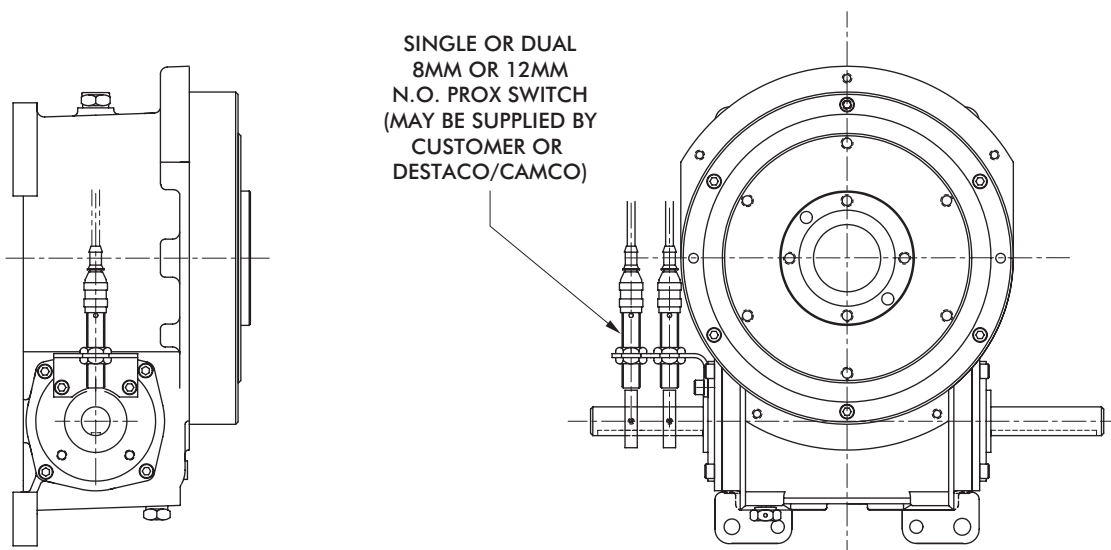


mm [INCH]



THIRD ANGLE
PROJECTION

Center Post

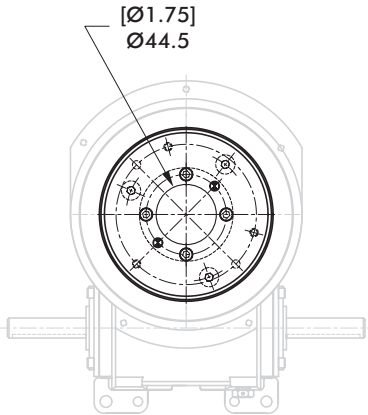


601RDM SERIES

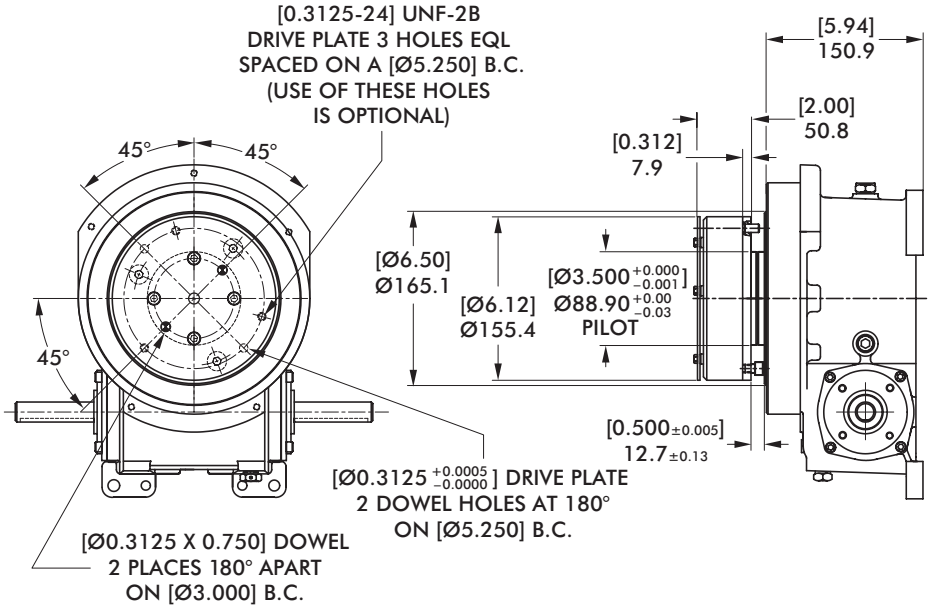
Rotary Index Drive | Dimensions

4.0D Overload Clutch

THRU-HOLE CLUTCH



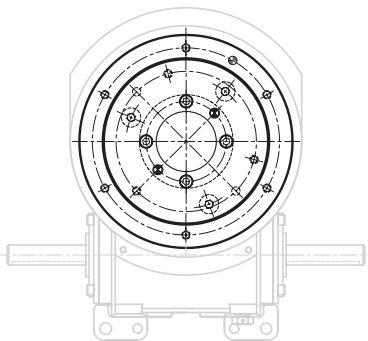
STANDARD CLUTCH



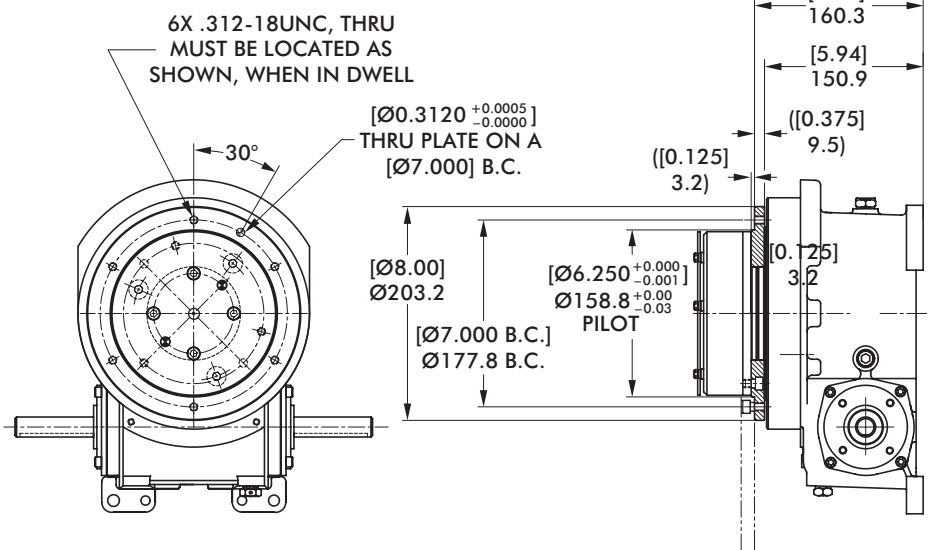
mm [INCH]
THIRD ANGLE
PROJECTION

4.0D Overload Clutch with EZ Dial Mounting Adapter

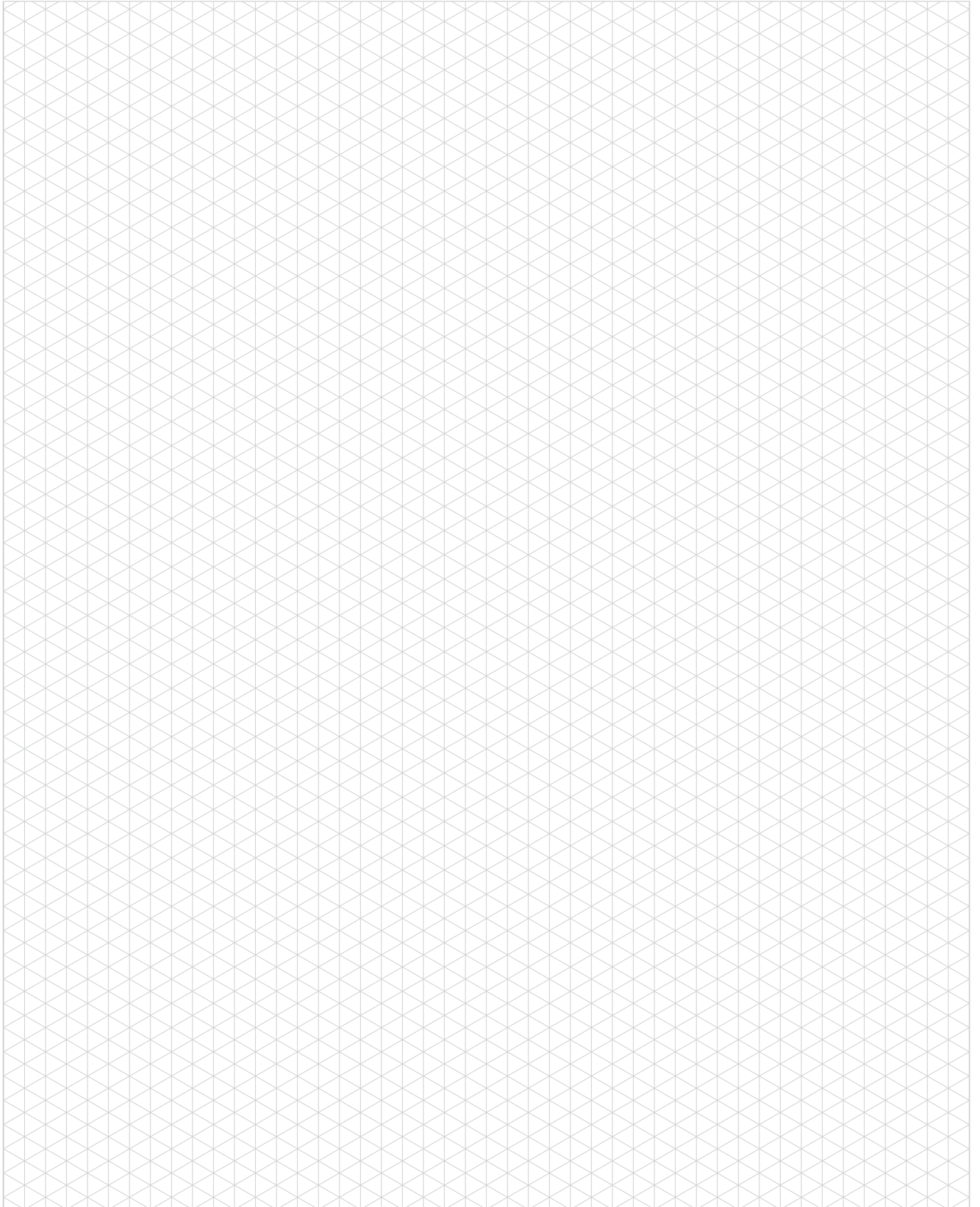
THRU-HOLE EZ CLUTCH



STANDARD EZ CLUTCH

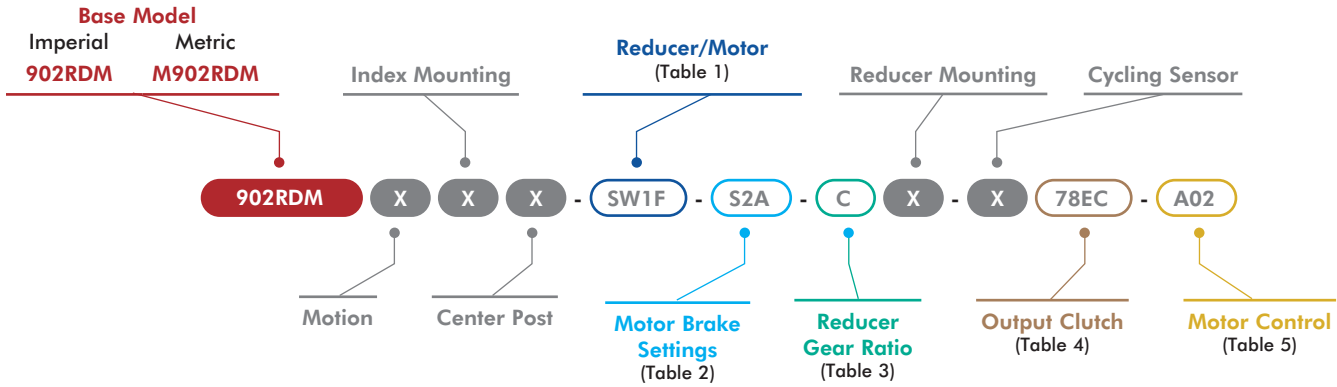


Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
4.0D	0,0202 [69]	47, 70, 85, 130, 198, 333, 452 [420, 620, 750, 1150, 1750, 2950, 4000]



902RDM SERIES

Rotary Index Drive | How To Order



X = See Page 3 for option information.

1 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
R225 Motors	
R2XX	R225 Adapter only*
R2SA	R225 Reducer 56 ADAPTER & CPLG, Single Extended Worm
R2SB	R225 Reducer 145TC ADAPTER & CPLG, Single Extended Worm (No Motor)
R2SC	R225 Reducer with 0.5HP 56C 230/460V AC Motor, Single Extended Worm
R2SD	R225 Reducer with 1.0HP 56C 230/460V AC Motor, Single Extended Worm
R2SE	R225 Reducer with 1.0HP 56C 90V DC Motor, Single Extended Worm
R2SF	R225 Reducer with 1.0HP 56C 180V DC Motor, Single Extended Worm
R2DA	R225 Reducer 56 ADAPTER & CPLG, Double Extended Worm
R2DB	R225 Reducer 145TC ADAPTER & CPLG, Double Extended Worm (No Motor)
R2DC	R225 Reducer with 0.5HP 56C 230/460V AC Motor, Double Extended Worm
R2DD	R225 Reducer with 1.0HP 56C 230/460V AC Motor, Double Extended Worm
R2DE	R225 Reducer with 1.0HP 56C 90V DC Motor, Double Extended Worm
R2DF	R225 Reducer with 1.0HP 56C 180V DC Motor, Double Extended Worm
SEW KH37 Motors	
SW1E	KH37 Adapter only*
SW1F	SEW KH37DRN80M4/.75Kw Motor/Brake Motor (60Hz, 230/460V)
SW1G	SEW KH37DRN80M4/.75Kw Motor/Brake Motor (50Hz, 400V)
SW1H	SEW KH37DRN80M4/.75Kw Motor/Brake Motor (60Hz, 575V)
SW1J	SEW KH37DRN90L4/1.5Kw Motor/Brake Motor (60Hz, 230/460V)
SW1K	SEW KH37DRN90L4/1.5Kw Motor/Brake Motor (50Hz, 400V)
SW1L	SEW KH37DRN90L4/1.5Kw Motor/Brake Motor (60Hz, 575V)
STM RMI-63/70 Motors	
RM4A	STM RMI-63 Adapter only*
RM4B	STM RMI-63 IEC80-B14 Reducer
RM4C	STM RMI-63 IEC90-B14 Reducer
RM4D	STM RMI-63 Reducer with .75kW Motor
RM4E	STM RMI-63 Reducer with 1.5kW Motor
RM5A	STM RMI-70 Adapter only*
RM5B	STM RMI-70 IEC80-B14 Reducer
RM5C	STM RMI-70 IEC90-B14 Reducer
RM5D	STM RMI-70 Reducer with .75kW Motor
RM5E	STM RMI-70 Reducer with 1.5kW Motor

*All Reducer/Motor adapters require Gear Ratio option to be 0.

4 Output Clutch & Settings

902RDM Imperial Clutch Models		M902RDM Metric Clutch Models	
Code	Description	Code	Description
0000	No Output Overload Clutch	0000	No Output Overload Clutch
78DA	7.8D/3200 in-lb, Standard*	M78DA	M7.8D/360 Nm, Standard*
78DB	7.8D/7200 in-lb, Standard*	M78DB	M7.8D/815 Nm, Standard*
78DC	7.8D/10000 in-lb, Standard*	M78DC	M7.8D/1130 Nm, Standard*
78DD	7.8D/1400 in-lb, Standard*	M78DD	M7.8D/160 Nm, Standard*
78DE	7.8D/1700 in-lb, Standard*	M78DE	M7.8D/192 Nm, Standard*
78DF	7.8D/2600 in-lb, Standard*	M78DF	M7.8D/295 Nm, Standard*
78DG	7.8D/4200 in-lb, Standard*	M78DG	M7.8D/475 Nm, Standard*
78DH	7.8D/5000 in-lb, Standard*	M78DH	M7.8D/566 Nm, Standard*
78DJ	7.8D/3200 in-lb, Thru-Hole	M78DJ	M7.8D/360 Nm, Thru-Hole
78DK	7.8D/7200 in-lb, Thru-Hole	M78DK	M7.8D/815 Nm, Thru-Hole
78DC	7.8D/10000 in-lb, Thru-Hole	M78DC	M7.8D/1130 Nm, Thru-Hole
78DM	7.8D/1400 in-lb, Thru-Hole	M78DM	M7.8D/160 Nm, Thru-Hole
78DN	7.8D/1700 in-lb, Thru-Hole	M78DN	M7.8D/192 Nm, Thru-Hole
78DP	7.8D/2600 in-lb, Thru-Hole	M78DP	M7.8D/295 Nm, Thru-Hole
78DQ	7.8D/4200 in-lb, Thru-Hole	M78DQ	M7.8D/475 Nm, Thru-Hole
78DR	7.8D/5000 in-lb, Thru-Hole	M78DR	M7.8D/566 Nm, Thru-Hole
78EA	7.8D/3200 in-lb, Standard, EZ*	M78EA	M7.8D/360 Nm, Standard, EZ*
78EB	7.8D/7200 in-lb, Standard, EZ*	M78EB	M7.8D/815 Nm, Standard, EZ*
78EC	7.8D/10000 in-lb, Standard, EZ*	M78EC	M7.8D/1130 Nm, Standard, EZ*
78ED	7.8D/1400 in-lb, Standard, EZ*	M78ED	M7.8D/160 Nm, Standard, EZ*
78EE	7.8D/1700 in-lb, Standard, EZ*	M78EE	M7.8D/192 Nm, Standard, EZ*
78EF	7.8D/2600 in-lb, Standard, EZ*	M78EF	M7.8D/295 Nm, Standard, EZ*
78EG	7.8D/4200 in-lb, Standard, EZ*	M78EG	M7.8D/475 Nm, Standard, EZ*
78EH	7.8D/5000 in-lb, Standard, EZ*	M78EH	M7.8D/566 Nm, Standard, EZ*
78EJ	7.8D/3200 in-lb, Thru-Hole, EZ	M78EJ	M7.8D/360 Nm, Thru-Hole, EZ
78EK	7.8D/7200 in-lb, Thru-Hole, EZ	M78EK	M7.8D/815 Nm, Thru-Hole, EZ
78EC	7.8D/10000 in-lb, Thru-Hole, EZ	M78EC	M7.8D/1130 Nm, Thru-Hole, EZ
78EM	7.8D/1400 in-lb, Thru-Hole, EZ	M78EM	M7.8D/160 Nm, Thru-Hole, EZ
78EN	7.8D/1700 in-lb, Thru-Hole, EZ	M78EN	M7.8D/192 Nm, Thru-Hole, EZ
78EP	7.8D/2600 in-lb, Thru-Hole, EZ	M78EP	M7.8D/295 Nm, Thru-Hole, EZ
78EQ	7.8D/4200 in-lb, Thru-Hole, EZ	M78EQ	M7.8D/475 Nm, Thru-Hole, EZ
78ER	7.8D/5000 in-lb, Thru-Hole, EZ	M78ER	M7.8D/566 Nm, Thru-Hole, EZ

* Cannot be used with center post options P and B.

2 Motor Brake*

Code	Description
000	No Brake
S1A	1.69 Nm (BE05)
S1B	2.49 Nm (BE05)
S1C	3.50 Nm (BE05)
S2A	4.97 Nm (BE1)
S2B	7.01 Nm (BE1)
S2C	9.94 Nm (BE1)
S3A	9.94 Nm (BE2)
S3B	14.01 Nm (BE2)
S3C	20.00 Nm (BE2)

*SEW Motor brake setting options only. All other motors use option code 000.

3 Reducer Gear Ratios*

Code	Description		
	R225	SEW KH37	STM RMI-63/70
0	N/A	N/A	N/A
A	10:1	10.49:1	10:1
B	15:1	15.31:1	15:1
C	20:1	20.19:1	20:1
D	25:1	29.96:1	28:1
E	30:1	37.97:1	40:1
F	40:1	49.79:1	49:1
G	50:1	58.60:1	56:1
H	60:1	67.80:1	70:1

*All Reducer/Motor adapters require Gear Ratio option to be 0.
Select Gear ratio column based on the reducer type selected.

5 Motor Control

Code	Description	
000	NO MOTOR CONTROL	
A01		120V 1Ph
A02	(AC) PowerFlex 523 1HP	240V 1Ph
A03		480V 3Ph
A04		120V 1Ph
A05	(AC) PowerFlex 525 1HP	240V 1Ph
A06		480V 3Ph
A07		240V 3Ph
A08	(AC) PowerFlex 523 2HP	480V 3Ph
A09	(AC) PowerFlex 525 2HP	240V 3Ph
A10		480V 3Ph
D01		Uni-Directional
D02	(DC) Varipak 1HP 90VDC	Bi-Directional
D03		Uni-Directional
D04	(DC) Varipak 2HP 180VDC	Bi-Directional

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	3 [1]	9 [3]	20 [7]	35 [12]	76 [26]	117 [40]	161 [55]
3	12 [4]	32 [11]	67 [23]	120 [41]	246 [84]	369 [126]	509 [174]
4	23 [8]	59 [20]	120 [41]	214 [73]	439 [150]	661 [226]	907 [310]
6	53 [18]	129 [44]	263 [90]	462 [158]	945 [323]	1419 [485]	1952 [667]
8	94 [32]	234 [80]	468 [160]	825 [282]	1683 [575]	2528 [864]	3474 [1187]
12	214 [73]	530 [181]	989 [338]	1425 [487]	2531 [865]	3956 [1352]	5701 [1948]
16	380 [130]	916 [313]	1481 [506]	2130 [728]	3790 [1295]	5923 [2024]	8528 [2914]
Reducer Ratio							
	15	20	25	30	40	50	60

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Features

- R225 Reducer (Ratios from 15:1 to 60:1)
- Single Extended wormshaft (Standard)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø57,15 mm [Ø2.25 in.])
- 1 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	15747 N [3540 lbs]
Thrust/Axial	31138 N [7000 lbs]
Moment	2443 N-m [21620 in-lb]

Typical Application Dial Diameter:

508 mm [20 in] to 1219 mm [48 in]

Accuracy

±27 arcsec / ±0,08 mm [±.003in]
at 609,6 mm [24in] Radius

Repeatability

±7 arcsec / ±0,020 mm [±.0008in]
at 609,6 mm [24in] Radius

Optional Accessories

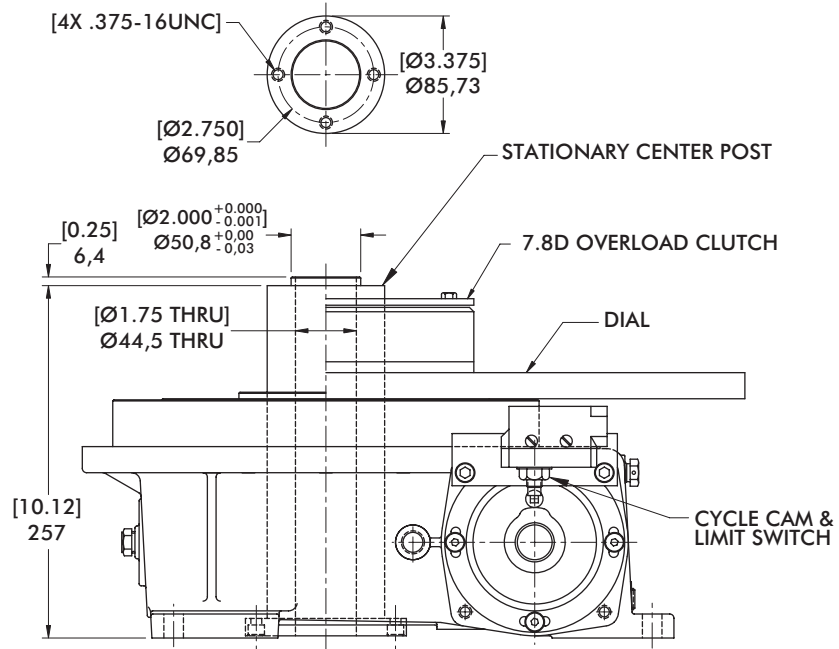
- 1 hp DC Motor
- Varipak DC Motor Control (up to 30 cpm)
- Output Mechanical Overload Clutch
– See Page 21
- EZ Mount Dial Adapter
- Stationary Center Post
- Dual Cam and Limit Switch
- Base Riser Blocks
- Electric Clutch-Brake
- Left Hand Cam
- Relief in Dwell for shot-pin applications



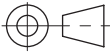
902RDM SERIES

Rotary Index Drive | Dimensions

Center Post

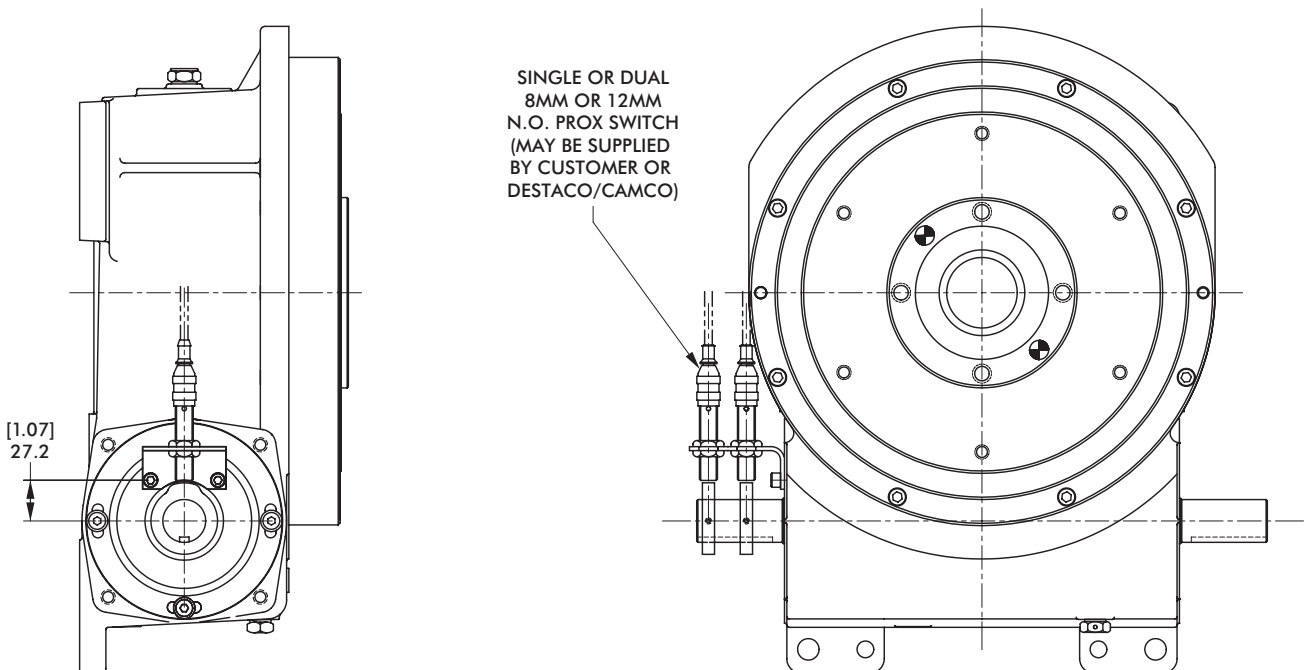


mm [INCH]



THIRD ANGLE
PROJECTION

Proximity Switch

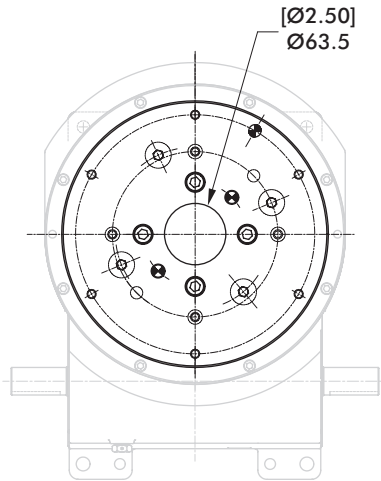


902RDM SERIES

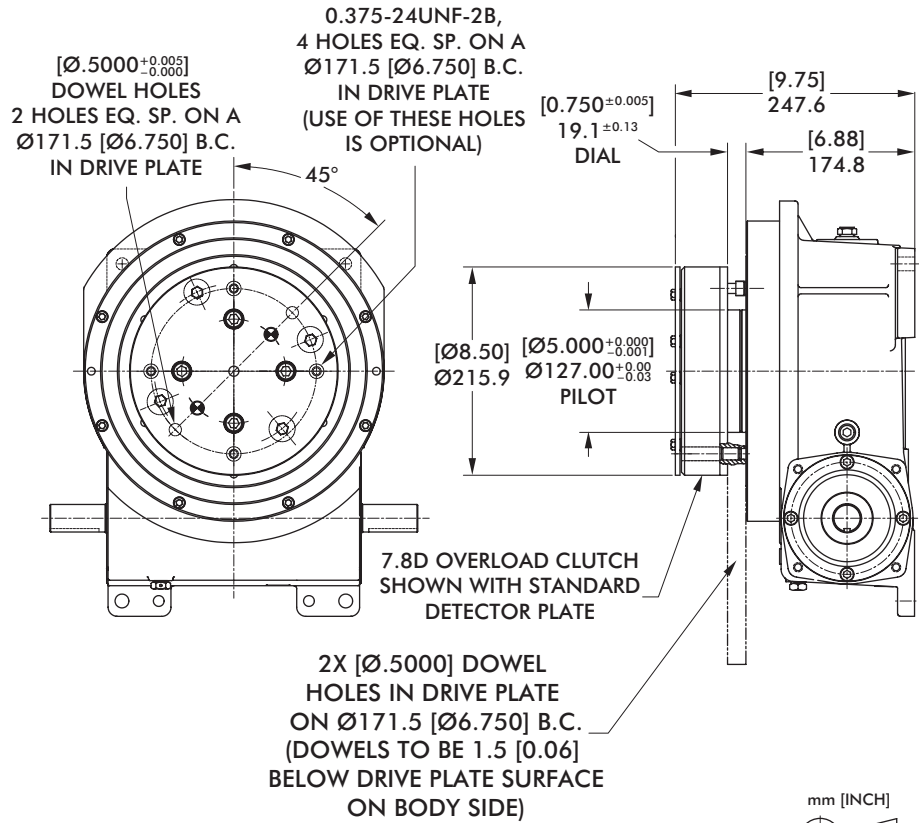
Rotary Index Drive | Dimensions

7.8D Overload Clutch

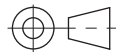
THRU-HOLE CLUTCH



STANDARD CLUTCH



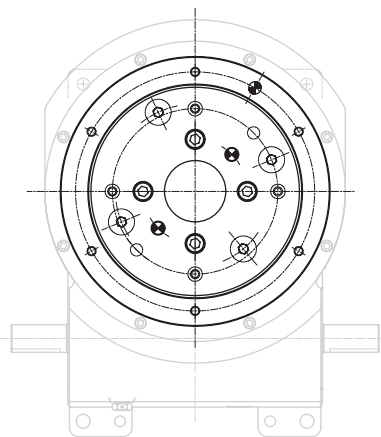
mm [INCH]



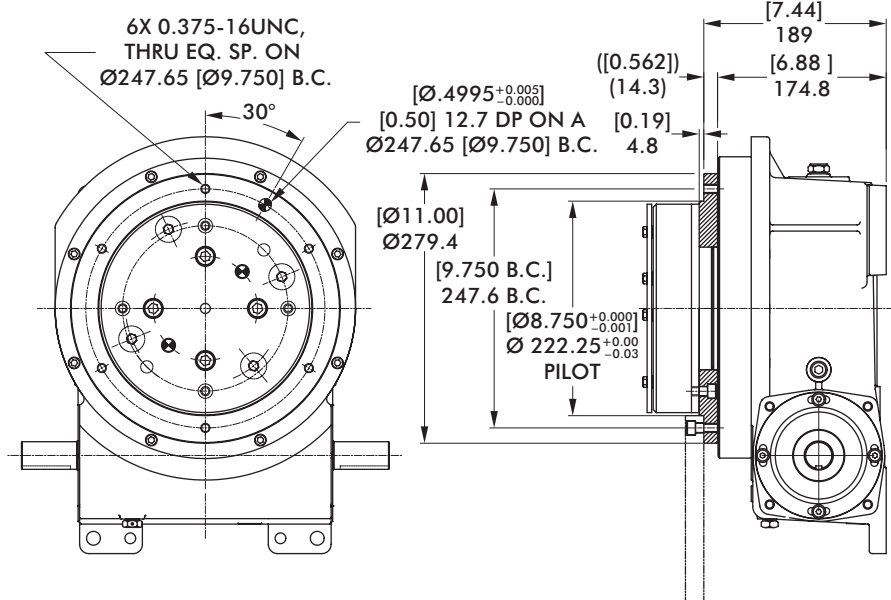
THIRD ANGLE
PROJECTION

7.8D Overload Clutch with EZ Dial Mounting Adapter

THRU-HOLE EZ CLUTCH



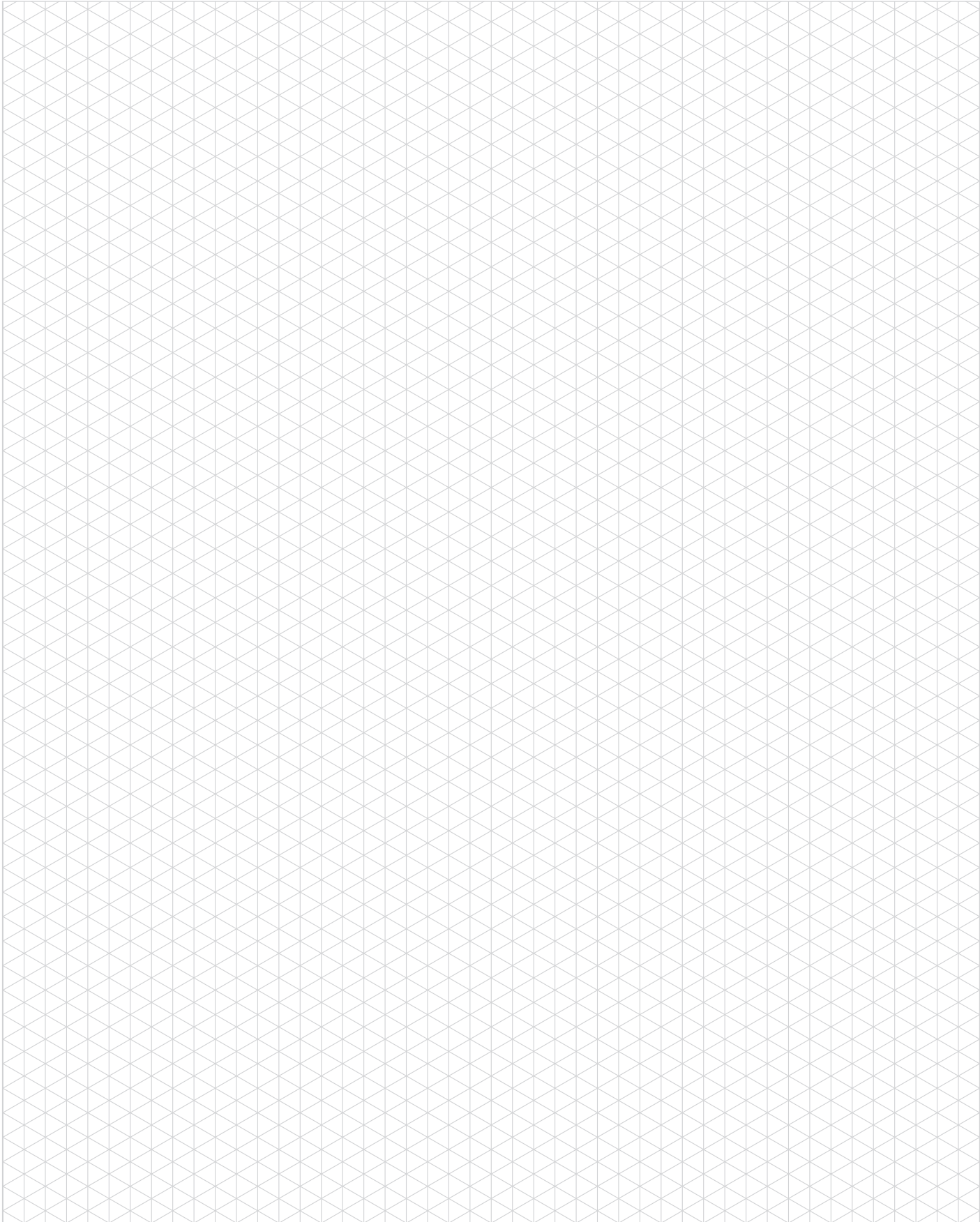
STANDARD EZ CLUTCH



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
7.8D	0,0778 [266]	158, 192, 294, 362, 475, 565, 813, 1130 [1400, 1700, 2600, 3200, 4200, 5000, 7200, 10000]

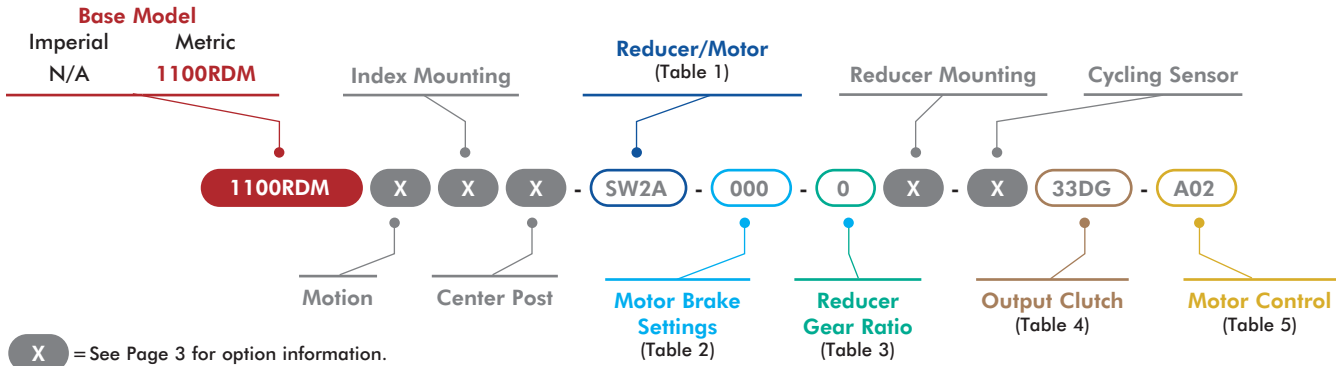
902RDM SERIES

Notes



1100RDM SERIES

Rotary Index Drive | How To Order



1 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
7300C Motors	
CD1A	Indexer with 7300C Adapter*
CS1B	CONE DRIVE 7300C W/56C Reducer, SE Worm
CS1C	CONE DRIVE 7300C W/145TC Reducer, SE Worm
CS1D	CONE DRIVE 7300C Reducer w/ 1.0HP AC 56C Motor, SE Worm
CS1E	CONE DRIVE 7300C Reducer w/ 2.0HP AC 145TC Motor, SE Worm
CS1F	CONE DRIVE 7300C Reducer w/ 1.0HP 90V DC 56C Motor, SE Worm
CS1G	CONE DRIVE 7300C Reducer w/ 1.0HP 180V DC 56C Motor, SE Worm
CS1H	CONE DRIVE 7300C Reducer w/ 2.0HP 180V DC 143TC Motor, SE Worm
CD1B	CONE DRIVE 7300C w/ 56C Reducer, DE Worm
CD1C	CONE DRIVE 7300C w/ 145TC Reducer, DE Worm
CD1D	CONE DRIVE 7300C Reducer w/ 1.0HP AC 56C Motor, DE Worm
CD1E	CONE DRIVE 7300C Reducer w/ 2.0HP AC 145TC Motor, DE Worm
CD1F	CONE DRIVE 7300C Reducer w/ 1.0HP 90V DC 56C Motor, DE Worm
CD1G	CONE DRIVE 7300C Reducer w/ 1.0HP 180V DC 56C Motor, DE Worm
CD1H	CONE DRIVE 7300C Reducer w/ 2.0HP 180V DC 143TC Motor, DE Worm
SEW KH47 Motors	
SW2A	Indexer with KH47 Adapter*
SW2B	SEW KH47DRN80M4/.75Kw Motor/Brake Motor (60Hz, 230/460V)
SW2C	SEW KH47DRN80M4/.75Kw Motor/Brake Motor (50Hz, 200/400V)
SW2D	SEW KH47DRN80M4/.75Kw Motor/Brake Motor (60Hz, 575V)
SW2E	SEW KH47DRN90L4/1.5Kw Motor/Brake Motor (60Hz, 230/460V)
SW2F	SEW KH47DRN90L4/1.5Kw Motor/Brake Motor (50Hz, 200/400V)
SEW KH57 Motors	
SW3A	Indexer with KH57 Adapter*
SW3B	SEW KH57DRN80M4/.75Kw Motor/Brake Motor (60Hz, 230/460V)
SW3C	SEW KH57DRN80M4/.75Kw Motor/Brake Motor (50Hz, 200/400V)
SW3D	SEW KH57DRN80M4/.75Kw Motor/Brake Motor (60Hz, 575V)
SW3E	SEW KH57DRN90L4/1.5Kw Motor/Brake Motor (60Hz, 230/460V)
SW3F	SEW KH57DRN90L4/1.5Kw Motor/Brake Motor (50Hz, 200/400V)
SW3G	SEW KH57DRN90L4/1.5Kw Motor/Brake Motor (60Hz, 575V)
STM RMI-85 Motors	
RM6A	Indexer with RMI-85 Adapter*
RM6B	STM RMI-85/LFB/IEC90-B14 Reducer only
RM6C	STM RMI-85/LFB/IEC100-B14 Reducer only
RM6D	STM RMI-85/LFB/1.1kW Reducer and Motor
RM6E	STM RMI-85/LFB/2.2kW Reducer and Motor

*All Reducer/Motor adapters require Gear Ratio option to be 0.

2 Motor Brake * 3 Reducer Gear Ratios *

Code	Description	Code	Description			
000	No Brake	7300C				
S1A	1.69 Nm (BE05)		SEW KH47	SEW KH57	STM RMI-85	
S1B	2.49 Nm (BE05)	0	N/A	N/A	N/A	
S1C	3.50 Nm (BE05)	A	10:1	10.56:1	9.59:1	10:1
S2A	4.97 Nm (BE1)	B	15:1	15.86:1	15.22:1	15:1
S2B	7.01 Nm (BE1)	C	20:1	19.58:1	19.34:1	20:1
S2C	9.94 Nm (BE1)	D	25:1	29.32:1	30.28:1	28:1
S3A	9.94 Nm (BE2)	E	30:1	39.61:1	38.49:1	40:1
S3B	14.01 Nm (BE2)	F	40:1	48.95:1	48.89:1	49:1
S3C	20.00 Nm (BE2)	G	50:1	63.30:1	60.81:1	56:1
S4A	20.00 Nm (BE5)	H	60:1	69.84:1	69.12:1	70:1
S4B	28.02 Nm (BE5)	*All Reducer/Motor adapters require Gear Ratio option to be 0.				
S4C	40.00 Nm (BE5)	Select Gear ratio column based on the reducer type selected.				
S4D	55.03 Nm (BE5)					

*SEW Motor brake setting options only. All other motors use option code 000.

4 Output Clutch & Settings

Code	Description
0000	No Output Overload Clutch
33DA	33D/960 Nm, Standard*
33DB	33D/1470 Nm, Standard Clutch*
33DC	33D/1865 Nm, Standard Clutch*
33DD	33D/2260 Nm, Standard Clutch*
33DE	33D/2655 Nm, Standard Clutch*
33DF	33D/2880 Nm, Standard Clutch*
33DG	33D/3500 Nm, Standard Clutch*
33DH	33D/960 Nm, Thru-Hole Clutch
33DJ	33D/1470 Nm, Thru-Hole Clutch
33DK	33D/1865 Nm, Thru-Hole Clutch
33DL	33D/2260 Nm, Thru-Hole Clutch
33DM	33D/2655 Nm, Thru-Hole Clutch
33DN	33D/2880 Nm, Thru-Hole Clutch
33DP	33D/3500 Nm, Thru-Hole Clutch
33EA	33D/960 Nm, Standard Clutch, EZ*
33EB	33D/1470 Nm, Standard Clutch, EZ*
33EC	33D/1865 Nm, Standard Clutch, EZ*
33ED	33D/2260 Nm, Standard Clutch, EZ*
33EE	33D/2655 Nm, Standard Clutch, EZ*
33EF	33D/2880 Nm, Standard Clutch, EZ*
33EG	33D/3500 Nm, Standard Clutch, EZ*
33EH	33D/960 Nm, Thru-Hole Clutch, EZ
33EJ	33D/1470 Nm, Thru-Hole Clutch, EZ
33EK	33D/1865 Nm, Thru-Hole Clutch, EZ
33EL	33D/2260 Nm, Thru-Hole Clutch, EZ
33EM	33D/2655 Nm, Thru-Hole Clutch, EZ
33EN	33D/2880 Nm, Thru-Hole Clutch, EZ
33EP	33D/3500 Nm, Thru-Hole Clutch, EZ

* Cannot be used with center post options P and B.

5 Motor Control

Code	Description
000	NO MOTOR CONTROL
A01	120V 1Ph
A02	(AC) PowerFlex 523 1HP
A03	480V 3Ph
A04	120V 1Ph
A05	(AC) PowerFlex 525 1HP
A06	240V 1Ph
A07	480V 3Ph
A08	(AC) PowerFlex 523 2HP
A09	240V 3Ph
A10	(AC) PowerFlex 525 2HP
A11	480V 3Ph
A12	(AC) PowerFlex 523 3HP
A13	240V 1Ph
A14	(AC) PowerFlex 525 3HP
A15	480V 3Ph
A16	(AC) PowerFlex 523 5HP
A17	600V 3Ph
A18	(AC) PowerFlex 525 5HP
D01	Uni-Directional
D02	(DC) Varipak 1HP 90VDC
D03	Bi-Directional
D04	(DC) Varipak 2HP 180VDC
D05	Uni-Directional
	(DC) Cyclotrol 3HP 180VDC
	Bi-Directional

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	3 [1]	15 [5]	32 [11]	64 [22]	176 [60]	342 [117]	518 [177]
3	18 [6]	38 [13]	79 [27]	152 [52]	401 [137]	775 [265]	1171 [400]
4	38 [13]	79 [27]	161 [55]	304 [104]	790 [270]	1525 [521]	2297 [785]
6	88 [30]	179 [61]	351 [120]	664 [227]	1703 [582]	3283 [1122]	4940 [1688]
8	161 [55]	325 [111]	632 [216]	1185 [405]	3035 [1037]	5838 [1995]	7916 [2705]
12	369 [126]	735 [251]	1428 [488]	2672 [913]	6833 [2335]	12563 [4293]	16932 [5786]
16	658 [225]	1314 [449]	2543 [869]	4138 [1414]	7781 [2659]	11884 [4061]	16019 [5474]
Reducer Ratio							
	15.86	19.58	24.06	29.32	39.61	48.95	56.83

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Features

- KH47 Reducer and AC Motor with Optional Brake
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø130 mm [Ø5.1 in.])
- AC drive package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	13789 N [3100 lbs]
Thrust/Axial	35586 N [8000 lbs]
Moment	3240 N-m [28674 in-lb]

Typical Application Dial Diameter:

508 mm [20 in] to 1524 mm [60 in]

Accuracy

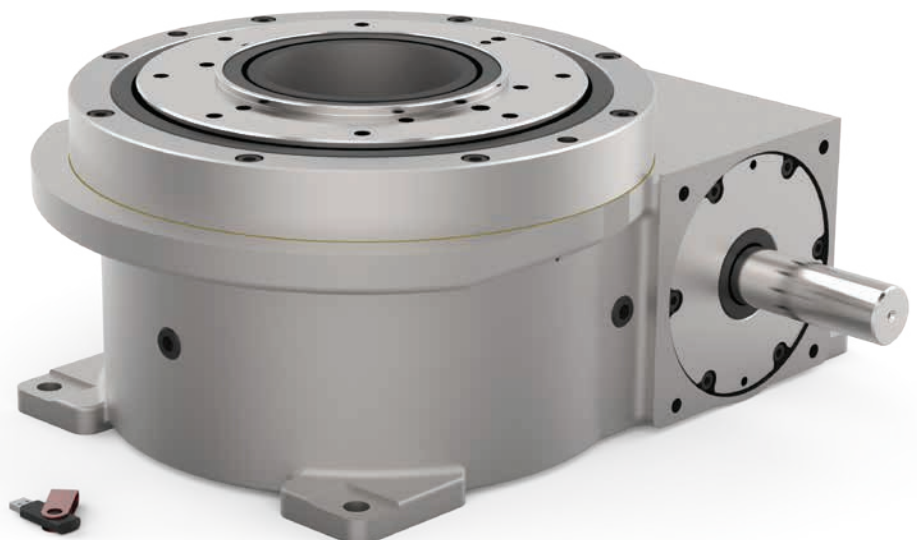
±22 arcsec / ±0,08 mm [±.003in]
at 76 mm [30in] Radius

Repeatability

±5 arcsec / ±0,020 mm [±.0008in]
at 762 mm [30in] Radius

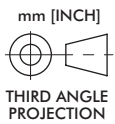
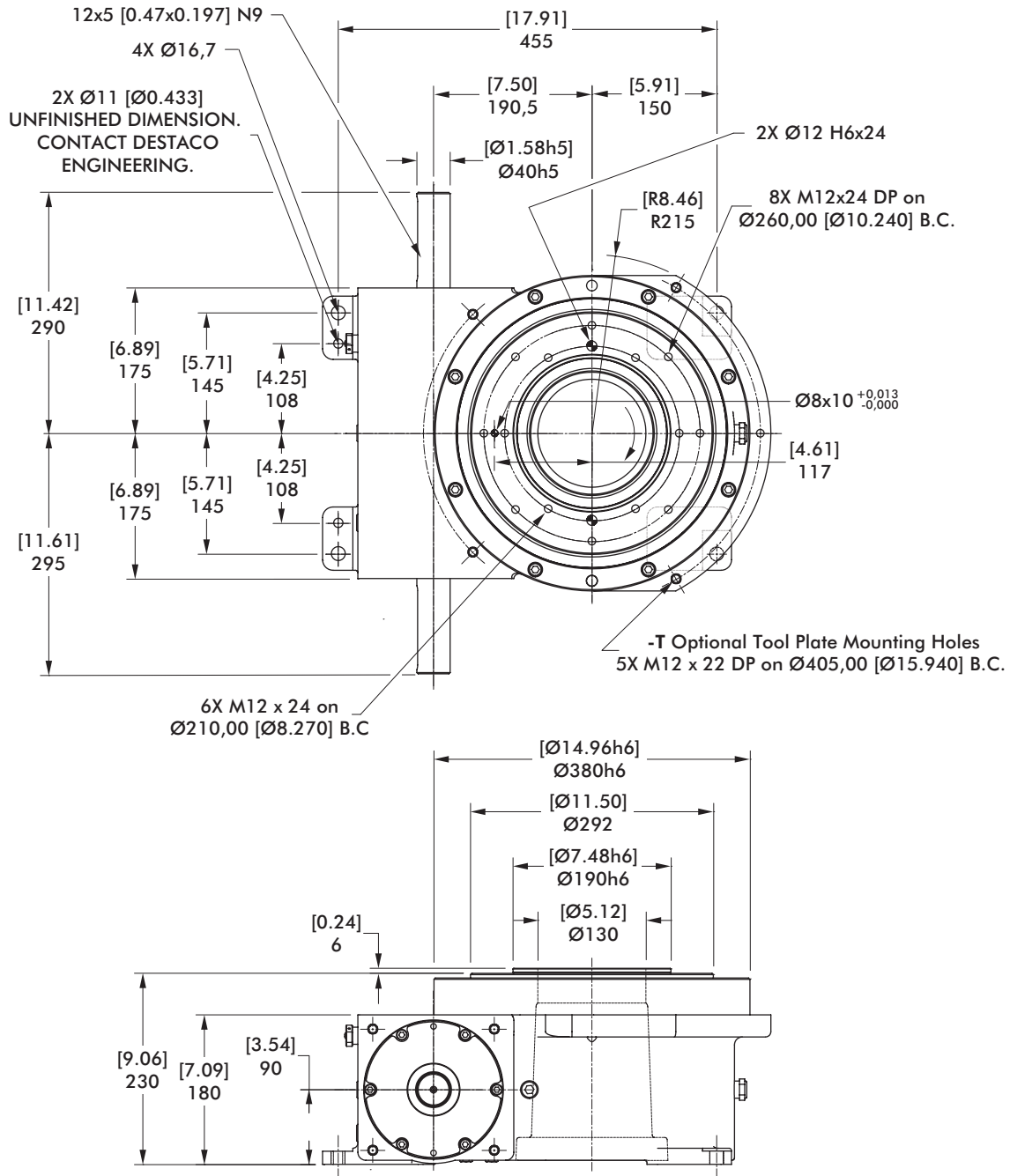
Optional Accessories

- 7300C Reducer (Ratios from 15:1 to 60:1)
- 1.5 HP DC motor
- Varipak DC Motor Control (up to 30 cpm)
- Output Mechanical Overload Clutch
– See Page 27
- EZ Mount Dial Adapter
- 7350C Heavy Duty Reducer (Ratios from 10:1 to 60:1)
- Stationary Center Post
- Dual Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications



1100RDM SERIES

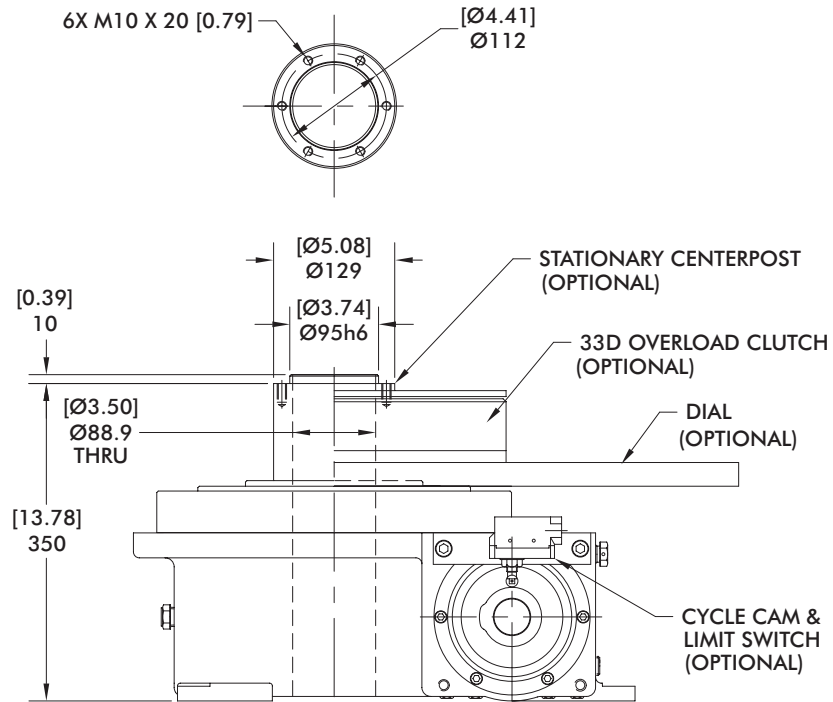
Rotary Index Drive | Dimensions



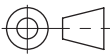
1100RDM SERIES

Rotary Index Drive | Dimensions

Center Post

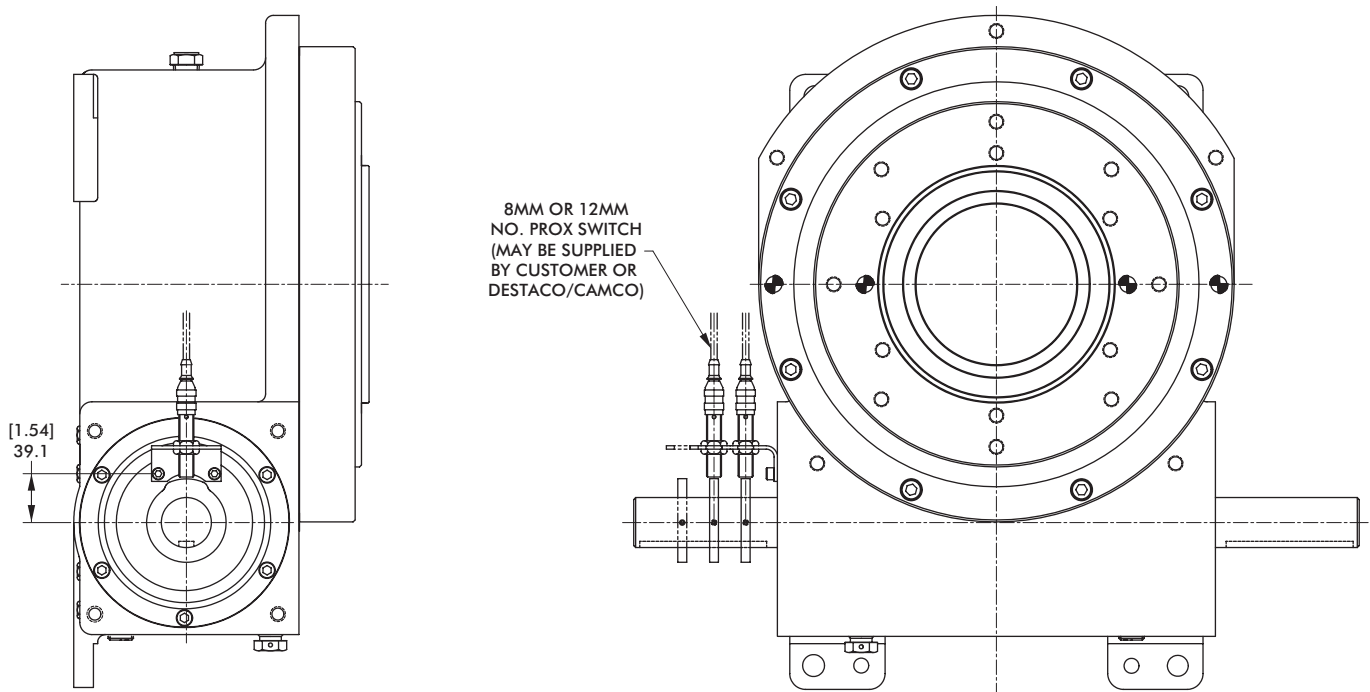


mm [INCH]



THIRD ANGLE
PROJECTION

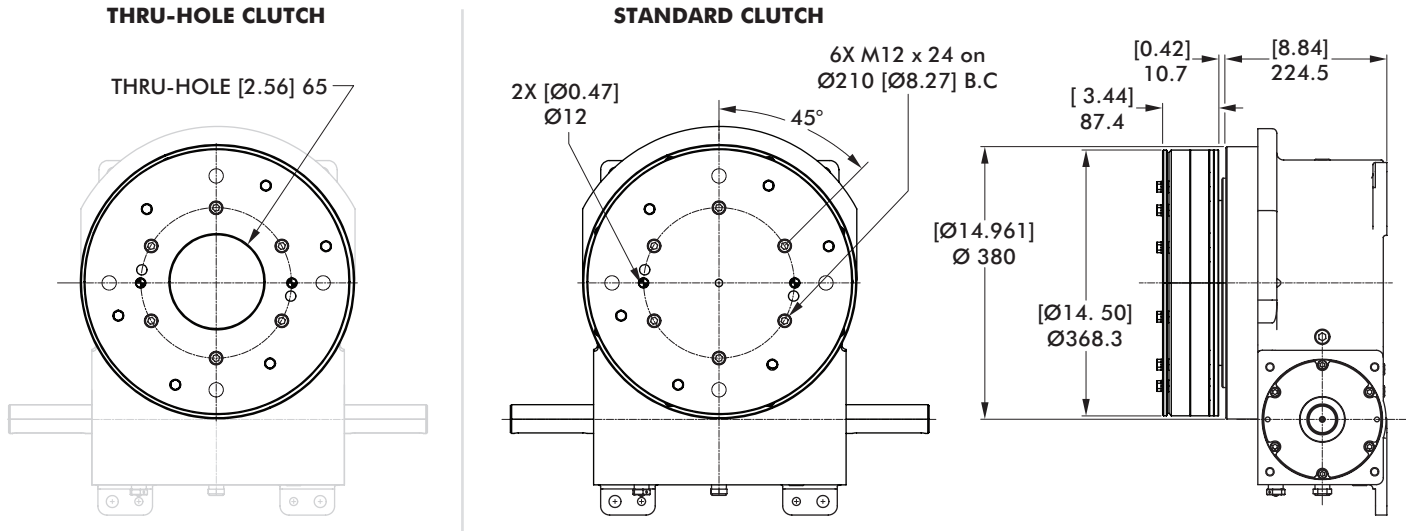
Proximity Switch



110ORDM SERIES

Rotary Index Drive | Dimensions

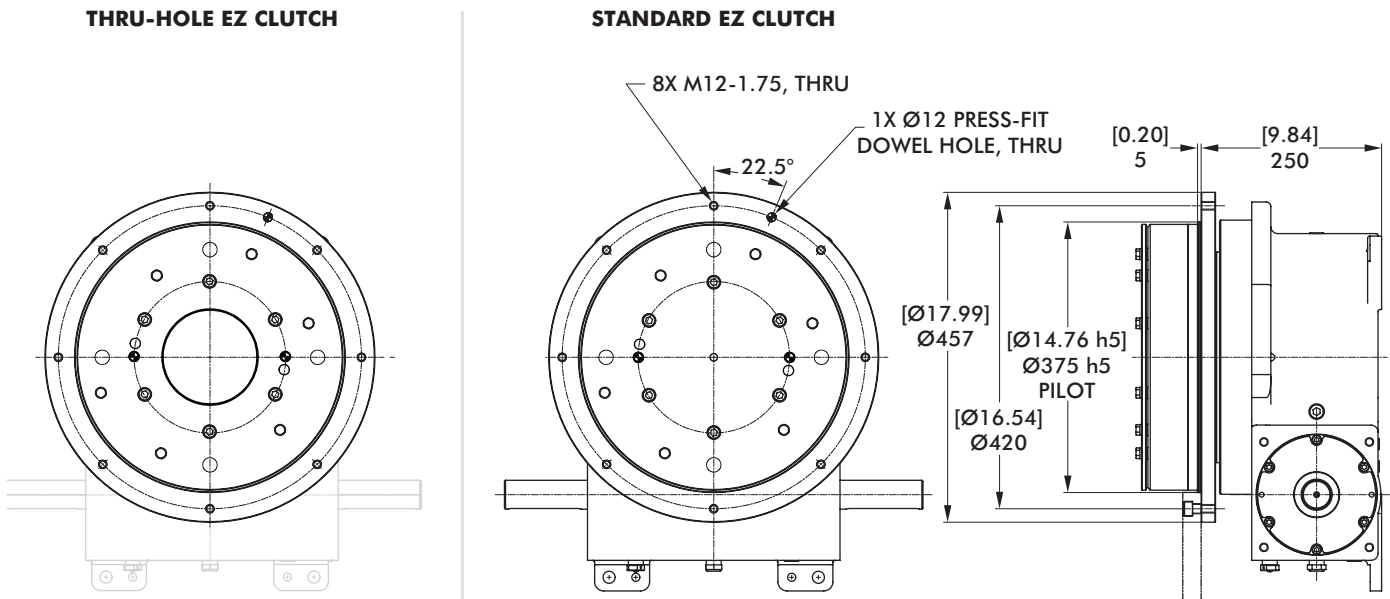
33D Overload Clutch



mm [INCH]



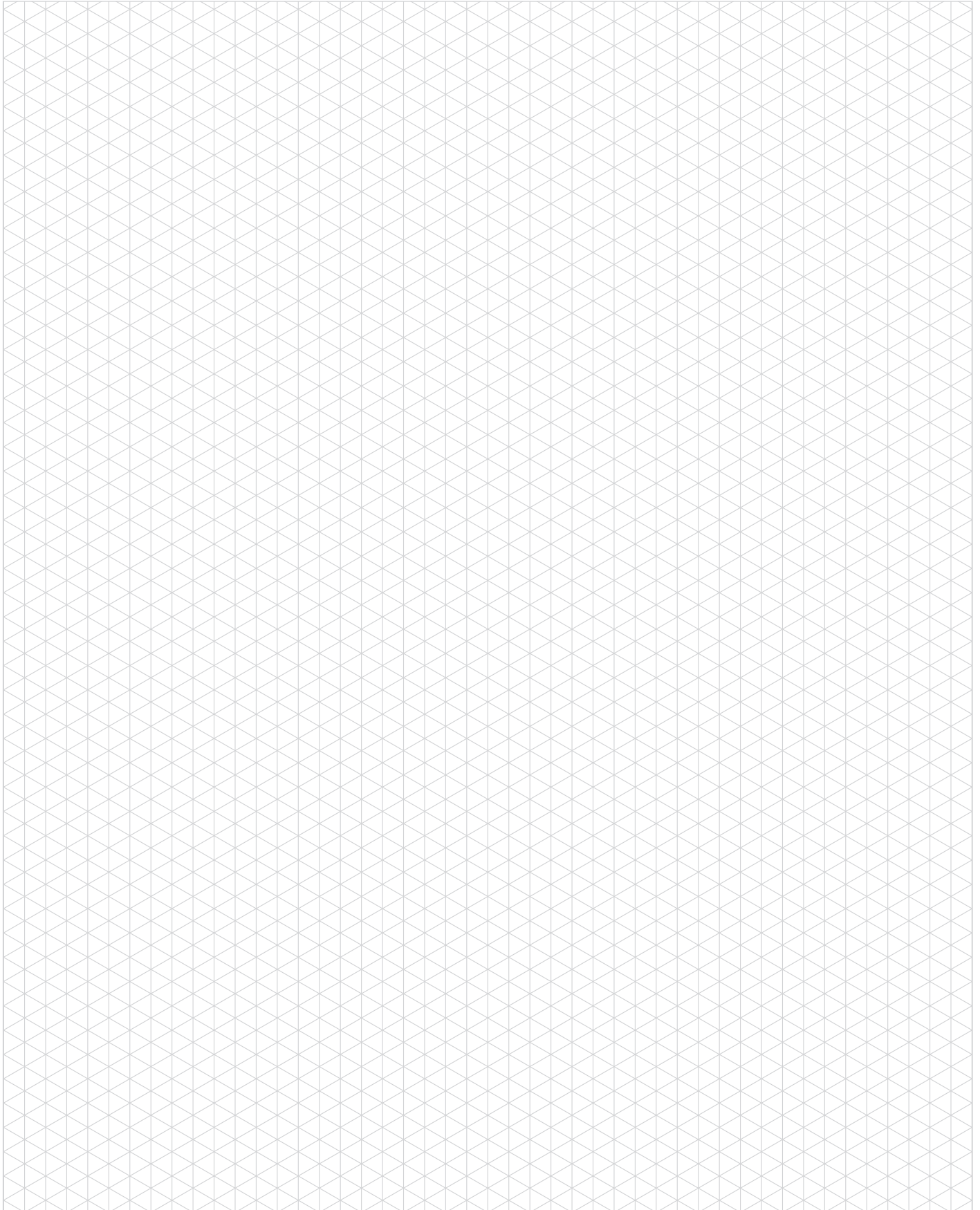
33D Overload Clutch with EZ Dial Mounting Adapter



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
33D	0,852 [2910]	960, 1469, 2260, 2881 [8500, 13000, 20000, 25500]

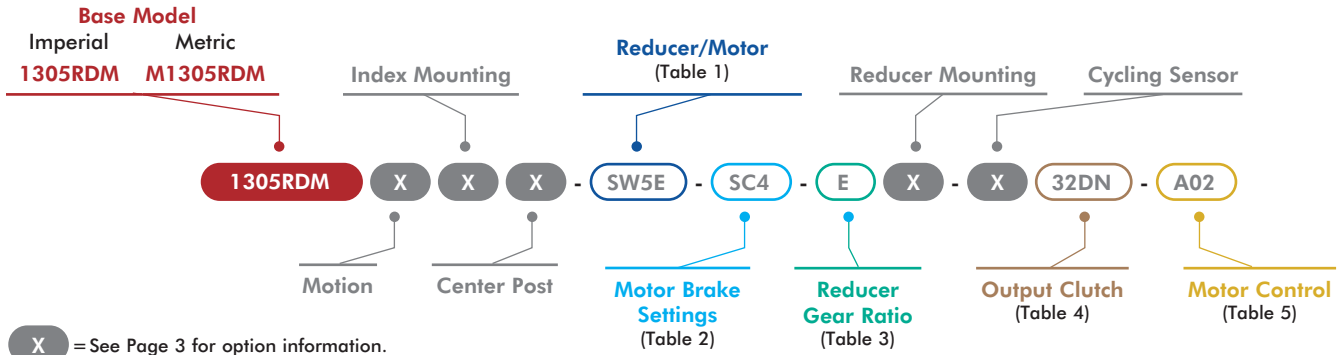
1100RDM SERIES

Notes



1305RDM SERIES

Rotary Index Drive | How To Order



1 Reducer/Motor Options*

Code	Description
0000	No Reducer or Motor*
7350C Motors	
CD2A	Indexer with 7350C Adapter*
CS2B	7350C w/56C Reducer, SE Worm
CS2C	7350C w/145TC Reducer, SE Worm
CS2D	CONE DRIVE 7350C Reducer w/ 1.0HP AC 56C Motor, SE Worm
CS2E	CONE DRIVE 7350C Reducer w/ 2.0HP AC 145TC Motor, SE Worm
CS2F	CONE DRIVE 7350C Reducer w/ 1.0HP 90V DC 56C Motor, SE Worm
CS2G	CONE DRIVE 7350C Reducer w/1.0HP 180V DC 56C Motor, SE Worm
CS2H	CONE DRIVE 7350C Reducer w/2.0HP 180V DC 143TC Motor, SE Worm
CD2B	CONE DRIVE 7350C w/ 56C Reducer, DE Worm
CD2C	7350C w/145TC Reducer, DE Worm
CD2D	CONE DRIVE 7350C Reducer w/ 1.0HP AC 56C Motor, DE Worm
CD2E	CONE DRIVE 7350C Reducer w/ 2.0HP AC 145TC Motor, DE Worm
CD2F	CONE DRIVE 7350C Reducer w/ 1.0HP 90V DC 56C Motor, DE Worm
CD2G	CONE DRIVE 7350C Reducer w/ 1.0HP 180V DC 56C Motor, DE Worm
CD2H	CONE DRIVE 7350C Reducer w/ 2.0HP 180V DC 143TC Motor, DE Worm
SEW KH67 Motors	
SW4A	Indexer with KH67 Adapter*
SW4B	SEW KH67DRN80M4 Reducer with 0.75Kw Motor (60Hz, 230/460V)
SW4C	SEW KH67DRN80M4 Reducer with 0.75Kw Motor (50Hz, 400V)
SW4D	SEW KH67DRN80M4 Reducer with 0.75Kw Motor (60Hz, 575V)
SW4E	SEW KH67DRN90L4 Reducer with 1.5Kw Motor (60Hz, 230/460V)
SW4F	SEW KH67DRN90L4 Reducer with 1.5Kw Motor (50Hz, 400V)
SW4G	SEW KH67DRN90L4 Reducer with 1.5Kw Motor (60Hz, 575V)
SEW KH77 Motors	
SW5A	Indexer with KH77 Adapter*
SW5B	SEW KH77DRN80M4 Reducer with 0.75Kw Motor (60Hz, 230/460V)
SW5C	SEW KH77DRN80M4 Reducer with 0.75Kw Motor (50Hz, 400V)
SW5D	SEW KH77DRN80M4 Reducer with 0.75Kw Motor (60Hz, 575V)
SW5E	SEW KH77DRN90L4 Reducer with 1.5Kw Motor (60Hz, 230/460V)
SW5F	SEW KH77DRN90L4 Reducer with 1.5Kw Motor (50Hz, 400V)
SW5G	SEW KH77DRN90L4 Reducer with 1.5Kw Motor (60Hz, 575V)
STM RMI-110 Motors	
RM7A	Indexer with RMI-110 Adapter*
RM7B	STM RMI-110/LFB/IEC90-B14 Reducer only
RM7C	STM RMI-110/LFB/IEC100-B14 Reducer only
RM7D	STM RMI-110/LFB/1.1kW Reducer and Motor
RM7E	STM RMI-110/LFB/2.2kW Reducer and Motor

*All Reducer/Motor adapters require Gear Ratio option to be 0.

2 Motor Brake* 3 Reducer Gear Ratios*

Code	Description	Code	Description			
000	(NO BRAKE/NO SEW)		7350C	SEW KH67	SEW KH77	STM RMI-110
S1A	1.69 Nm (BE05)	0	N/A	N/A	N/A	N/A
S1B	2.49 Nm (BE05)	A	10:1	9.66:1	9.56:1	10:1
S1C	3.50 Nm (BE05)	B	15:1	15.19:1	15.84:1	15:1
S2A	4.97 Nm (BE1)	C	20:1	19.30:1	20.25:1	20:1
S2B	7.01 Nm (BE1)	D	28:1	30.22:1	29.27:1	25:1
S2C	9.94 Nm (BE1)	E	40:1	38.39:1	40.04:1	30:1
S3A	9.94 Nm (BE2)	F	49:1	48.77:1	51.18:1	40:1
S3B	14.01 Nm (BE2)	G	56:1	60.66:1	58.34:1	50:1
S3C	20.00 Nm (BE2)	H	70:1	68.95:1	73.99:1	60:1
S4A	20.00 Nm (BE5)	*All Reducer/Motor adapters require Gear Ratio option to be 0.				
S4B	28.02 Nm (BE5)	Select Gear ratio column based on the reducer type selected.				
S4C	40.00 Nm (BE5)					
S4D	55.03 Nm (BE5)					

*SEW Motor brake setting options only. All other motors use option code 000.

4 Output Clutch & Settings

1305RDM Imperial Clutch Models		M1305RDM Metric Clutch Models	
Code	Description	Code	Description
0000	No Output Overload Clutch	0000	No Output Overload Clutch
32DA	32D/8500 in-lb, Standard*	M32DA	M32D/960 Nm, Standard*
32DB	32D/13000 in-lb, Standard*	M32DB	M32D/1470 Nm, Standard*
32DC	32D/20000 in-lb, Standard*	M32DC	M32D/2260 Nm, Standard*
32DD	32D/31000 in-lb, Standard*	M32DD	M32D/3500 Nm, Standard*
32DE	32D/16500 in-lb, Standard*	M32DE	M32D/1865 Nm, Standard*
32DF	32D/25500 in-lb, Standard*	M32DF	M32D/2880 Nm, Standard*
32DG	32D/23500 in-lb, Standard*	M32DG	M32D/2655 Nm, Standard*
32DH	32D/8500 in-lb, Thru-Hole	M32DH	M32D/960 Nm, Thru-Hole
32DJ	32D/13000 in-lb, Thru-Hole	M32DJ	M32D/1470 Nm, Thru-Hole
32DK	32D/20000 in-lb, Thru-Hole	M32DK	M32D/2260 Nm, Thru-Hole
32DL	32D/31000 in-lb, Thru-Hole	M32DL	M32D/3500 Nm, Thru-Hole
32DM	32D/16500 in-lb, Thru-Hole	M32DM	M32D/1865 Nm, Thru-Hole
32DN	32D/25500 in-lb, Thru-Hole	M32DN	M32D/2880 Nm, Thru-Hole
32DP	32D/23500 in-lb, Thru-Hole	M32DP	M32D/2655 Nm, Thru-Hole
32EA	32D/8500 in-lb, Standard, EZ*	M32EA	M32D/960 Nm, Standard, EZ*
32EB	32D/13000 in-lb, Standard, EZ*	M32EB	M32D/1470 Nm, Standard, EZ*
32EC	32D/20000 in-lb, Standard, EZ*	M32EC	M32D/2260 Nm, Standard, EZ*
32ED	32D/31000 in-lb, Standard, EZ*	M32ED	M32D/3500 Nm, Standard, EZ*
32EE	32D/16500 in-lb, Standard, EZ*	M32EE	M32D/1865 Nm, Standard, EZ*
32EF	32D/25500 in-lb, Standard, EZ*	M32EF	M32D/2880 Nm, Standard, EZ*
32EG	32D/23500 in-lb, Standard, EZ*	M32EG	M32D/2655 Nm, Standard, EZ*
32EH	32D/8500 in-lb, Thru-Hole, EZ	M32EH	M32D/960 Nm, Thru-Hole, EZ
32EJ	32D/13000 in-lb, Thru-Hole, EZ	M32EJ	M32D/1470 Nm, Thru-Hole, EZ
32EK	32D/20000 in-lb, Thru-Hole, EZ	M32EK	M32D/2260 Nm, Thru-Hole, EZ
32EL	32D/31000 in-lb, Thru-Hole, EZ	M32EL	M32D/3500 Nm, Thru-Hole, EZ
32EM	32D/16500 in-lb, Thru-Hole, EZ	M32EM	M32D/1865 Nm, Thru-Hole, EZ
32EN	32D/25500 in-lb, Thru-Hole, EZ	M32EN	M32D/2880 Nm, Thru-Hole, EZ
32EP	32D/23500 in-lb, Thru-Hole, EZ	M32EP	M32D/2655 Nm, Thru-Hole, EZ

* Cannot be used with center post options P and B.

5 Motor Control

Code	Description
000	NO MOTOR CONTROL
A01	120V 1Ph
A02	(AC) PowerFlex 523 1HP
A03	480V 3Ph
A04	120V 1Ph
A05	(AC) PowerFlex 525 1HP
A06	480V 3Ph
A07	240V 1Ph
A08	(AC) PowerFlex 523 2HP
A09	480V 3Ph
A10	(AC) PowerFlex 525 2HP
A11	240V 3Ph
A12	(AC) PowerFlex 523 3HP
A13	480V 3Ph
A14	(AC) PowerFlex 525 3HP
A15	480V 3Ph
A16	(AC) PowerFlex 523 5HP
A17	600V 3Ph
A18	(AC) PowerFlex 525 5HP
D01	Uni-Directional
D02	(DC) Varipak 1HP 90VDC
D03	Bi-Directional
D04	(DC) Varipak 2HP 180VDC
D05	Uni-Directional
	(DC) Cycletrol 3HP 180VDC
	Bi-Directional

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	12 [4]	38 [13]	76 [26]	140 [48]	214 [73]	298 [102]
3	6 [2]	32 [11]	76 [26]	146 [50]	258 [88]	389 [133]	538 [184]
4	29 [10]	94 [32]	208 [71]	380 [130]	664 [227]	995 [340]	1367 [467]
6	73 [25]	211 [72]	451 [154]	822 [281]	1419 [485]	2119 [724]	2909 [994]
8	138 [47]	383 [131]	811 [277]	1469 [502]	2528 [864]	3775 [1290]	5180 [1770]
12	325 [111]	878 [300]	1841 [629]	3319 [1134]	5706 [1950]	8510 [2908]	11670 [3988]
16	585 [200]	1571 [537]	3280 [1121]	5908 [2019]	10155 [3470]	15138 [5173]	20754 [7092]
Reducer Ratio							
	15	20	25	30	40	50	60

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Features

- 7300C Reducer (Ratios from 15:1 to 60:1)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø127 mm [Ø5.00 in.])
- 2 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	20684 N [4650 lbs]
Thrust/Axial	51822 N [11650 lbs]
Moment	4579 N-m [40528 in-lb]

Typical Application Dial Diameter:

508 mm [20 in] to 1829 mm [72 in]

Accuracy

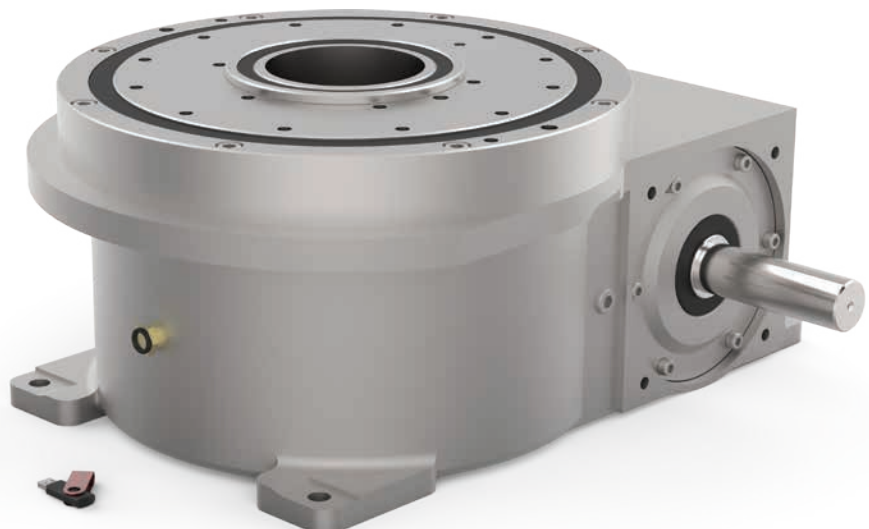
±38 arcsec / ±0,18 mm [±.007in]
at 914,4 mm [36in] Radius

Repeatability

±10 arcsec / ±0,05 mm [±.002in]
at 914,4 mm [36in] Radius

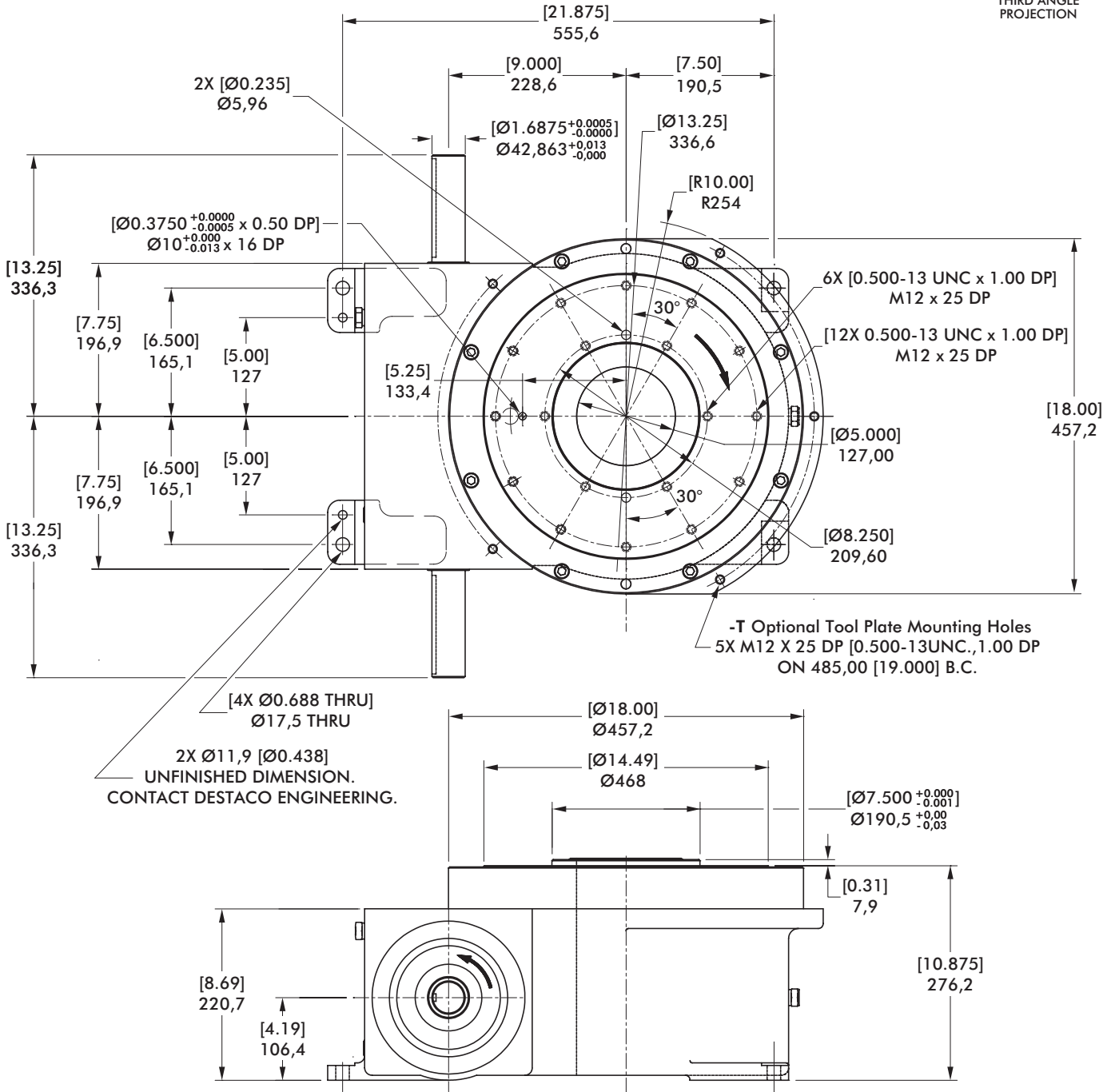
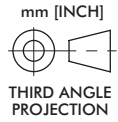
Optional Accessories

- 2 hp DC Motor
- Varipak DC Motor Control (up to 30 cpm)
- 7350C Heavy Duty Reducer (Ratios from 10:1 to 60:1)
- Output Mechanical Overload Clutch
– See Page 33
- EZ Mount Dial Adapter
- Stationary Center Post
- Dual Cam and Limit Switch
- Base Riser Blocks
- Electric Clutch-Brake
- Left Hand Cam
- Relief in Dwell for shot-pin applications



1305RDM SERIES

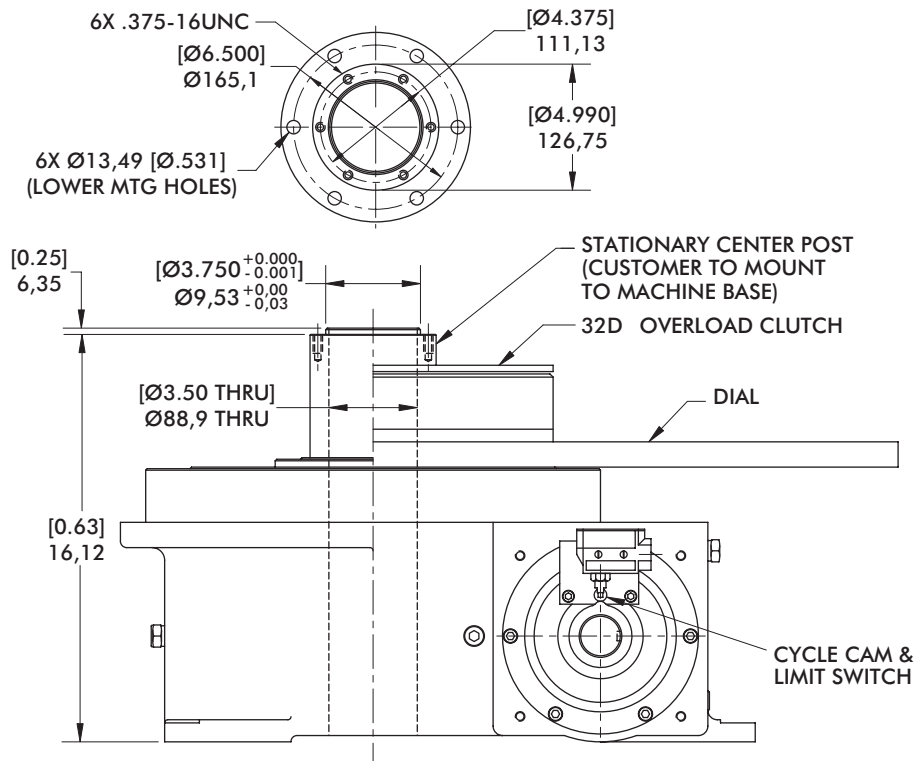
Rotary Index Drive | Dimensions

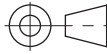


1305RDM SERIES

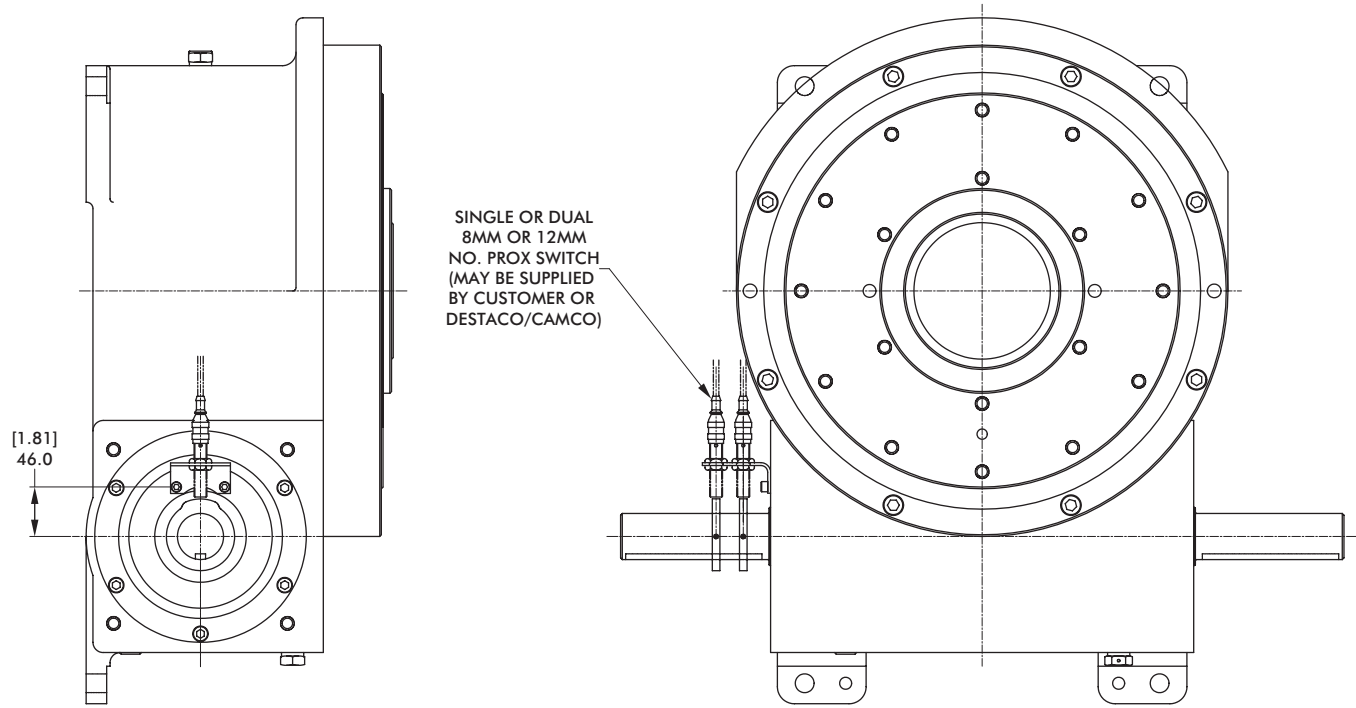
Rotary Index Drive | Dimensions

Center Post



mm [INCH]

 THIRD ANGLE
 PROJECTION

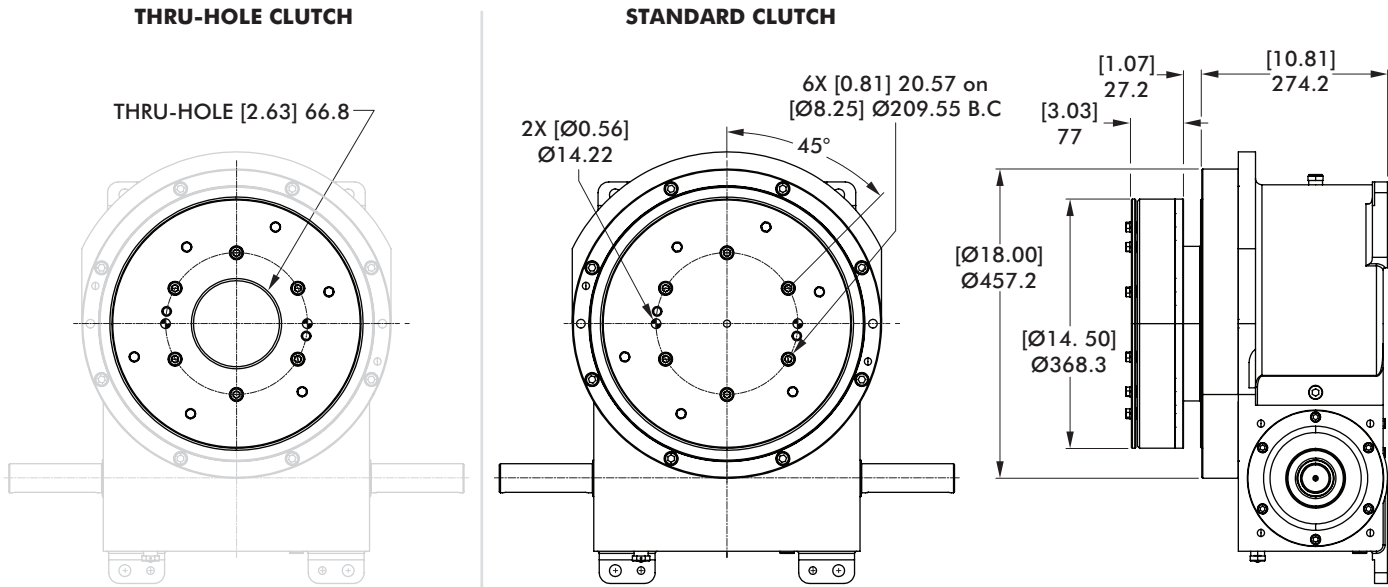
Proximity Switch



1305RDM SERIES

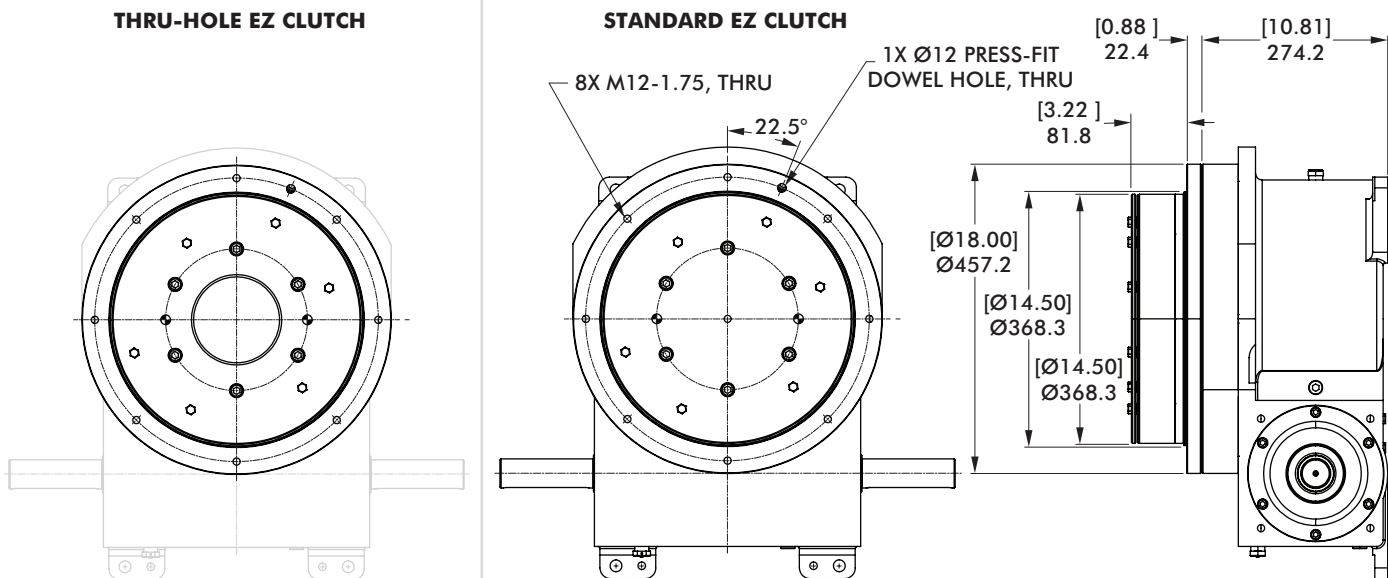
Rotary Index Drive | Dimensions

32D Overload Clutch



32D Overload Clutch with EZ Dial Mounting Adapter

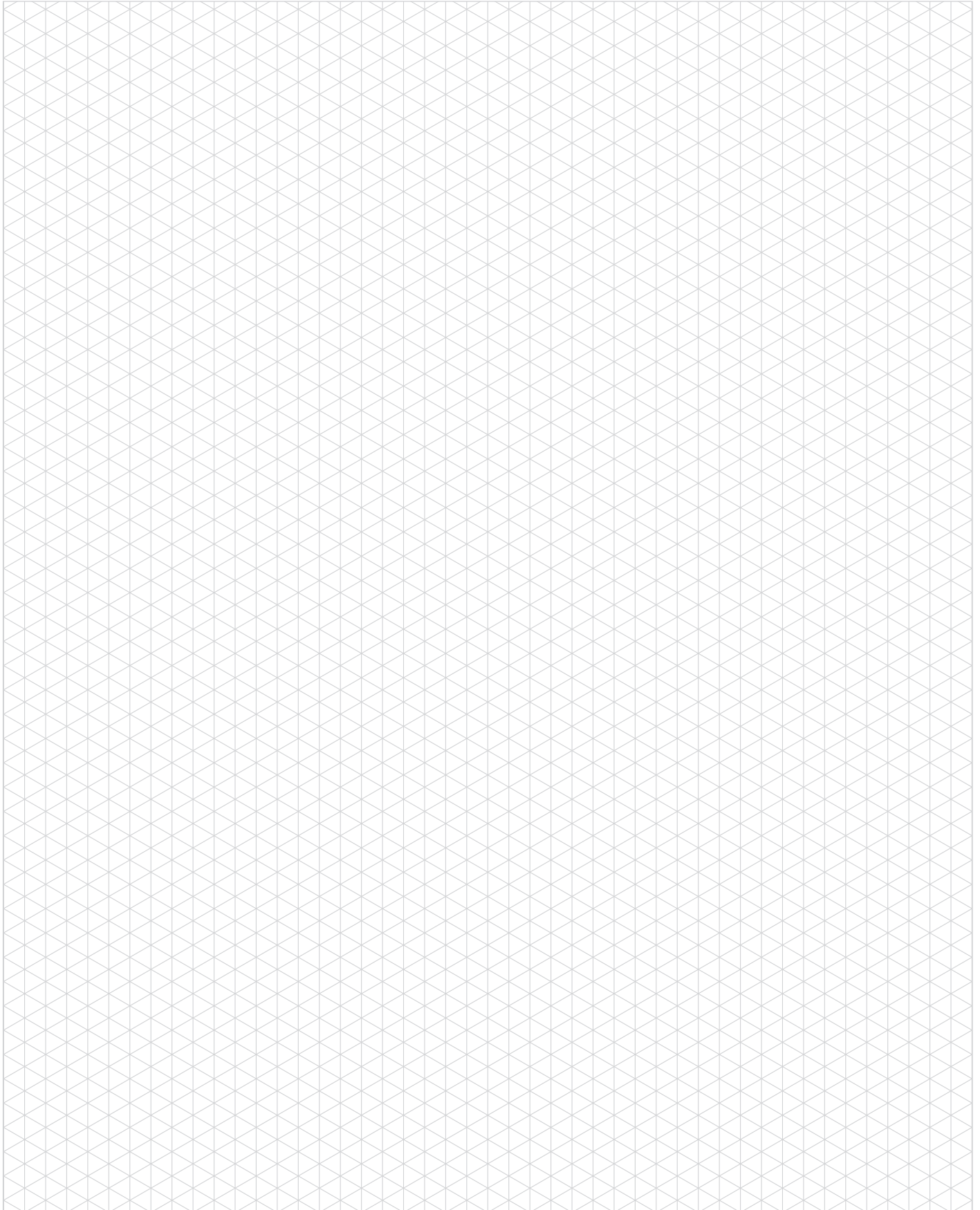
mm [INCH]



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
32D	0,852 [2910]	960, 1469, 2260, 3503 [8500, 13000, 20000, 31000]

1305RDM SERIES

Notes



Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	0 [0]	23 [8]	79 [27]	266 [91]	533 [182]	749 [256]
3	0 [0]	32 [11]	120 [41]	255 [87]	720 [246]	1381 [472]	1917 [655]
4	3 [1]	91 [31]	249 [85]	495 [169]	1332 [455]	2523 [862]	3488 [1192]
6	56 [19]	243 [83]	577 [197]	1097 [375]	2871 [981]	5390 [1842]	7439 [2542]
8	132 [45]	462 [158]	1056 [361]	1984 [678]	5133 [1754]	9616 [3286]	13257 [4530]
12	351 [120]	1100 [376]	2435 [832]	4518 [1544]	11606 [3966]	21690 [7412]	29881 [10211]
16	656 [224]	1987 [679]	4360 [1490]	8065 [2756]	20666 [7062]	38593 [13188]	53152 [18163]
Reducer Ratio							
	15	20	25	30	40	50	60

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Features

- 7400C Reducer (Ratios from 15:1 to 60:1)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø165,1 mm [Ø6.50 in.])
- 2 or 3 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	26022 N [5850 lbs]
Thrust/Axial	61166 N [14650 lbs]
Moment	7696 N-m [68119 in-lb]

Typical Application Dial Diameter:

660 mm [26 in] to 1829 mm [96 in]

Accuracy

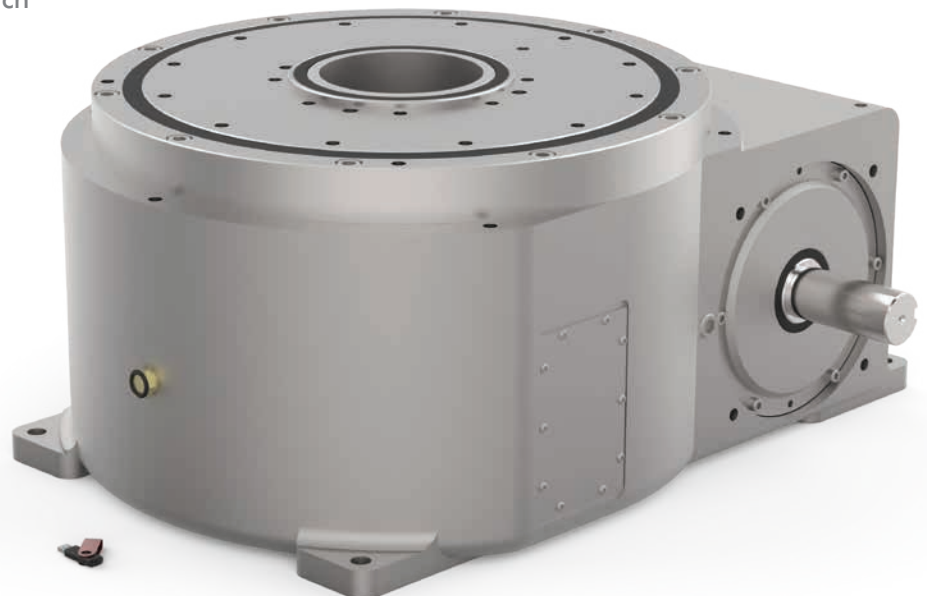
±27 arcsec / ±0,15 mm [±.006in]
at 1219,2 mm [48in] Radius

Repeatability

±7 arcsec / ±0,041 mm [±.0016in]
at 1219,2 mm [48in] Radius

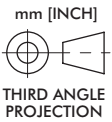
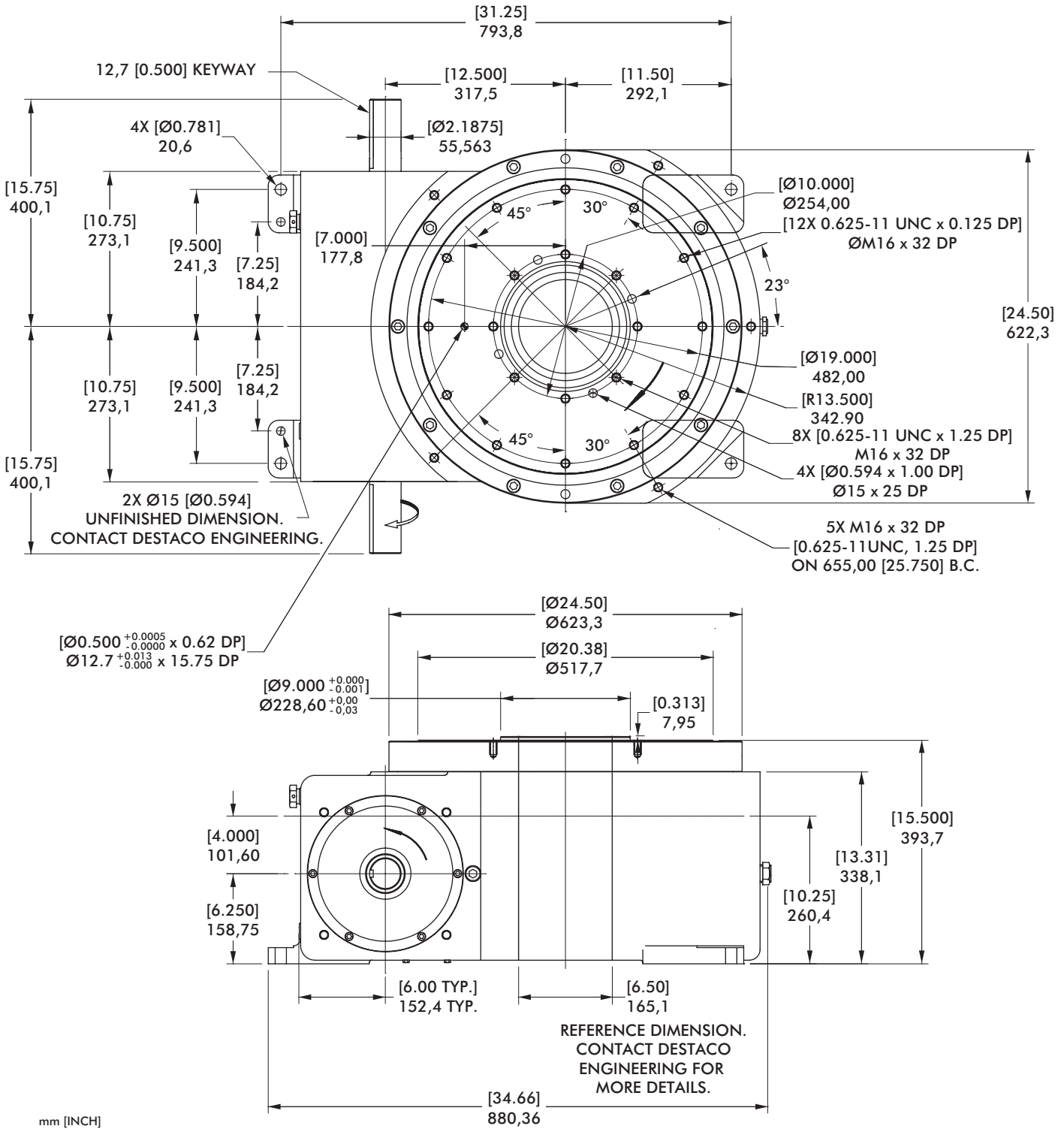
Optional Accessories

- 2 hp DC Motor with Varipak DC Motor Control (up to 30 cpm)
- 3 hp DC Motor
- 7500C Heavy Duty Reducer (Ratios from 10:1 to 60:1)
- Output Mechanical Overload Clutch – See Page 39
- EZ Mount Dial Adapter
- Stationary Center Post
- Dual Cam and Limit Switch
- Base Riser Blocks
- Electric Clutch-Brake
- Left Hand Cam
- Relief in Dwell for shot-pin applications



180ORDM SERIES

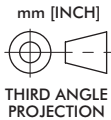
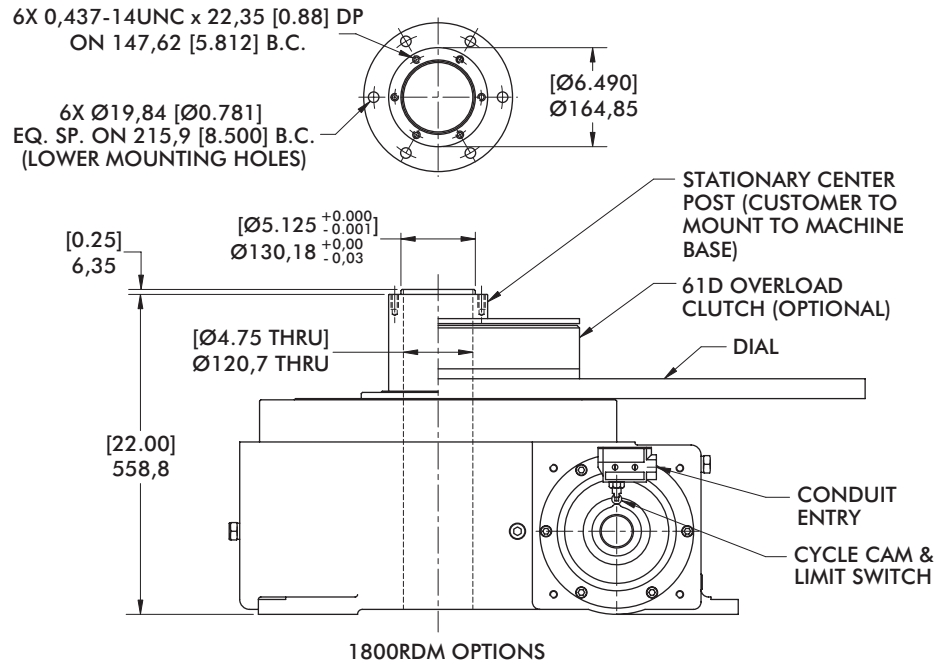
Rotary Index Drive | Dimensions



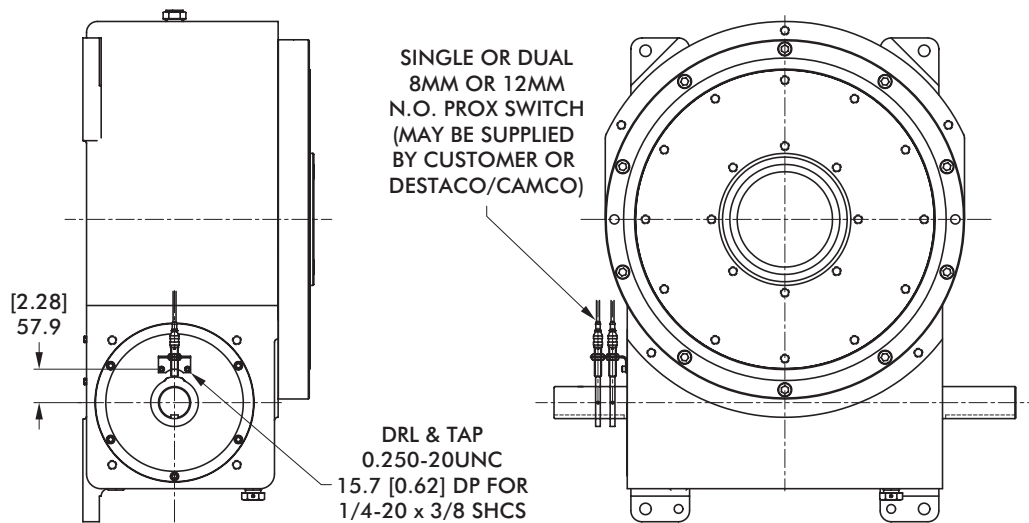
1800RDM SERIES

Rotary Index Drive | Dimensions

Center Post



Proximity Switch

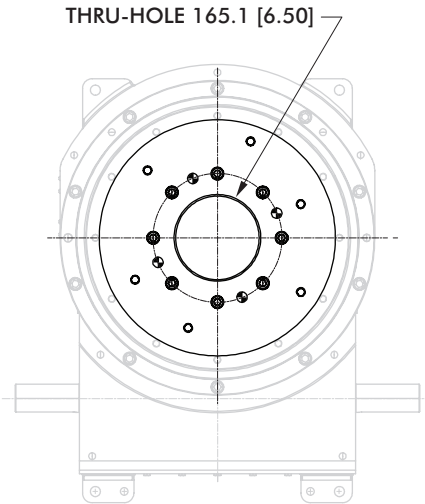


180ORDM SERIES

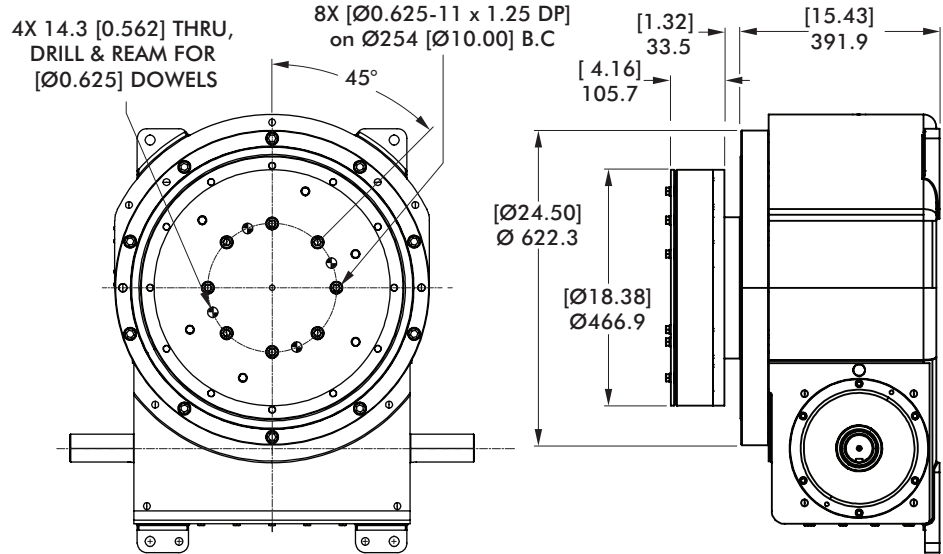
Rotary Index Drive | Dimensions

61D Overload Clutch

THRU-HOLE CLUTCH



STANDARD CLUTCH

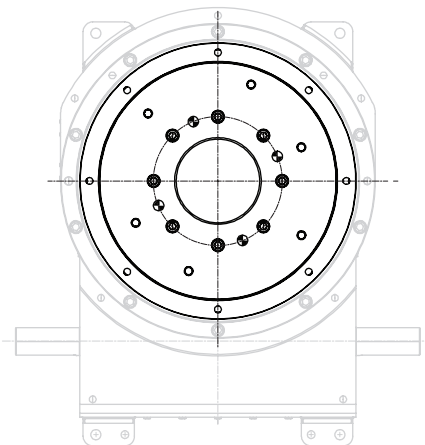


mm [INCH]

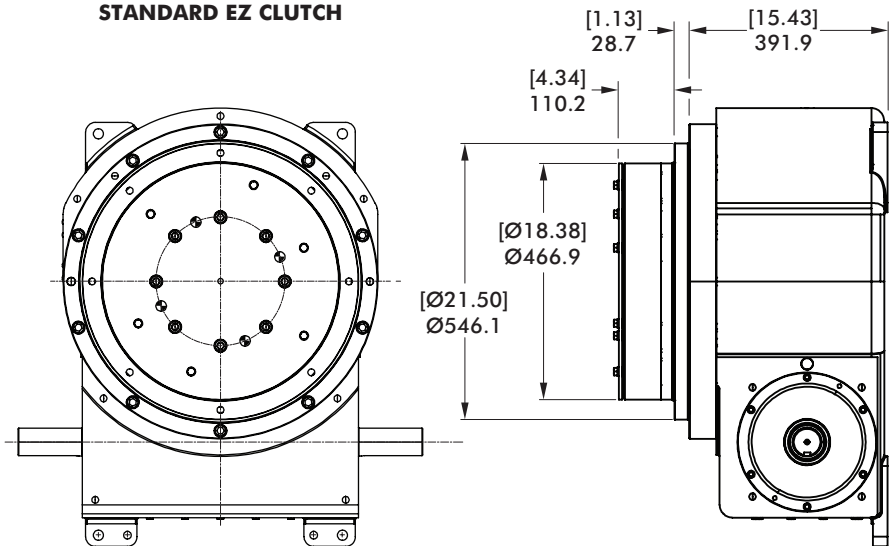


61D Overload Clutch with EZ Dial Mounting Adapter

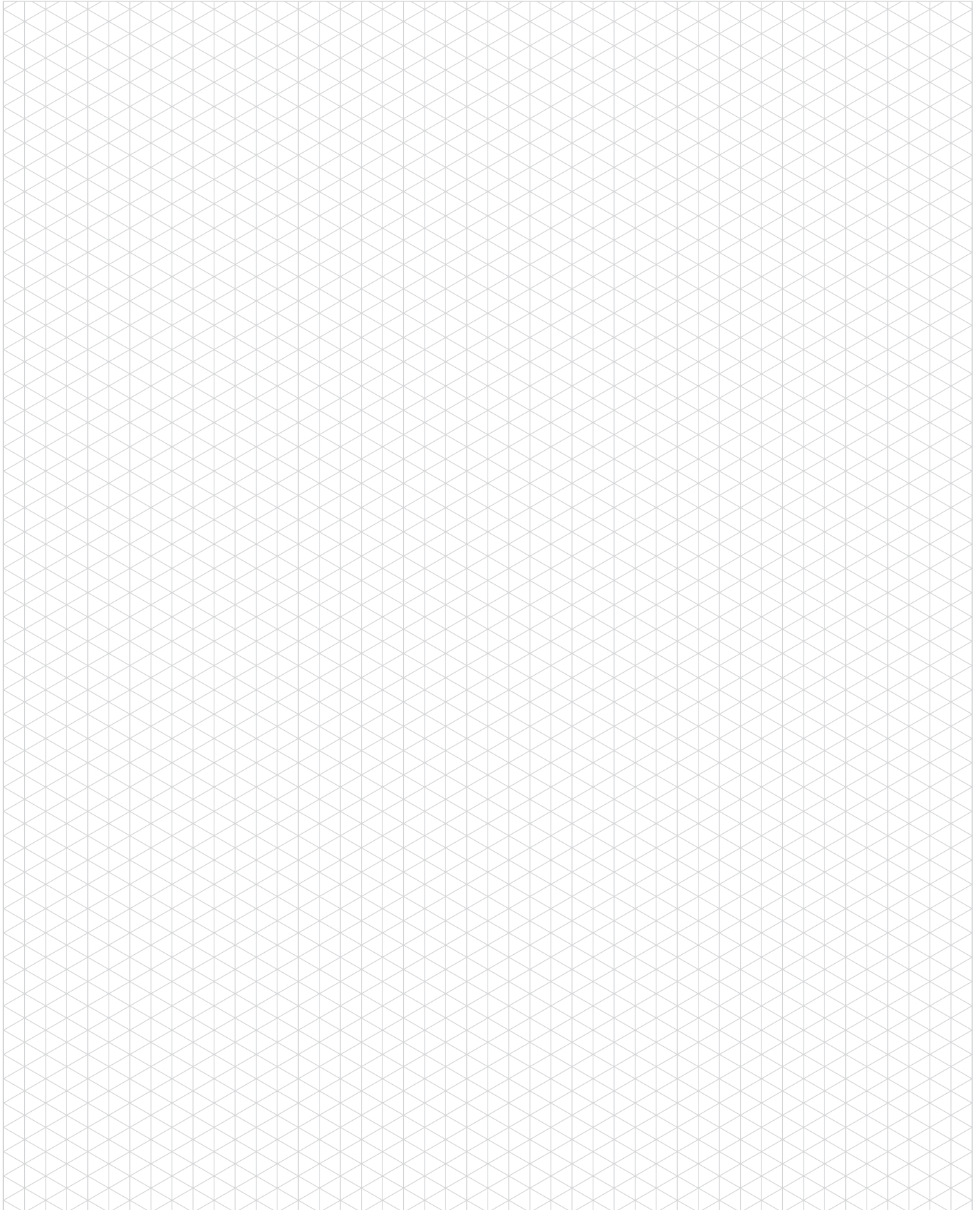
THRU-HOLE EZ CLUTCH



STANDARD EZ CLUTCH



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
61D	345 [4900]	2599, 4067, 4971, 5649, 6779 [23000, 36000, 44000, 50000, 60000]



PRECISION INDEXING SOLUTIONS

Table of Contents

INDEXERS

Servo Positioners



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



PGM Series
Parallel Gear Servo Positioner...IN-SRV-19



RSD Series
Rotary Servo Drives.....IN-SRV-25

Mechanical Indexers



RDM Series
Rotary Index Drive IN-MCH-1



RD Series
Roller Dial Index Drive..... IN-MCH-42



E Series
Heavy-Duty Index Drive IN-MCH-54



RA Series
Right Angle Index Drive IN-MCH-66



RGD/RGS Series
Roller Gear Index Drive IN-MCH-76



P Series
Parallel Shaft/Flange Drive.... IN-MCH-96



RNG Series
Ring Drive Dial Indexer.. IN-MCH-108

OVERLOAD CLUTCHES



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

CUSTOM CAMS

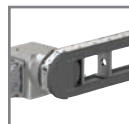


Custom Cams
Cam Design Solutions IN-CAM-1

CONVEYORS



Rite-Link Series
Thin-Profile..... IN-CNV-1



Precision Link Series
Table-Top IN-CNV-4



Precision Link Series
Heavy-Duty IN-CNV-16

PARTS HANDLERS



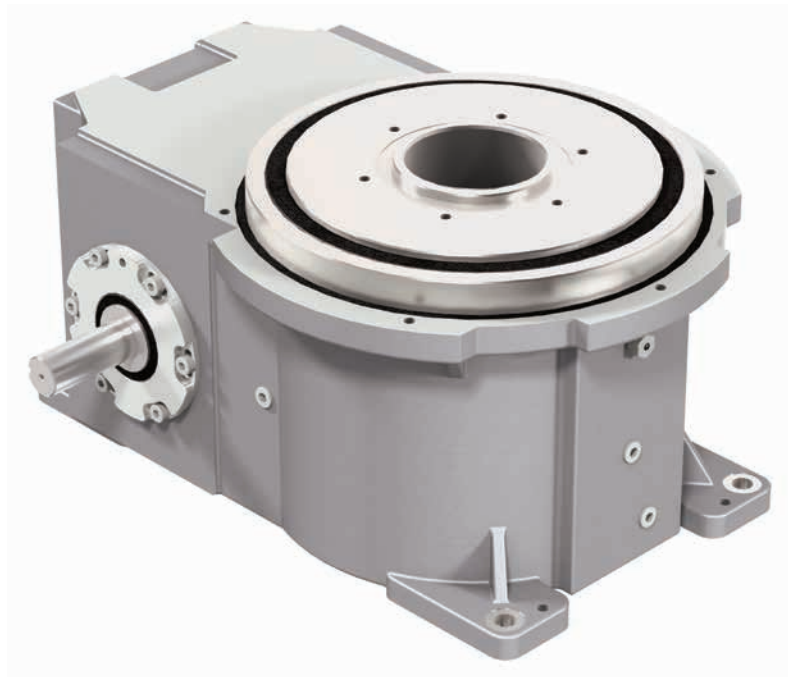
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

ROLLER DIAL INDEX DRIVES

Features | Table of Contents



Features:

CAMCO Roller Dial Index Drives have a robust, flexible design with superior load capabilities. Other features include:

Short camshaft motion periods, due to oversized roller gear cam design, are well suited for continuous running applications or for special motion requirements such as oscillating motions

Universal mounting including a horizontal mounting ideal for trunnion applications

Option Center Thru-Hole facilitates passage of electrical wiring, pneumatic lines or mechanical linkages

Optional Stationary Center Post with thru-hole provides mounting for upper tool plate

Table of Contents

How to Order	43
425RD	45
800RD	51
1301RD	57
1801RD	63

RD SERIES

Roller Dial Index Drives | How To Order

Base Model		Option Tables Page #	Indexer Mounting (See Figure 1)	Reducer/Motor (Table 2 on Datasheets) Note: Set Reducer Mounting option to 0 when Reducer/Motor option is 0000.	Reducer Mounting (See Figure 2)		Cycling Sensor (See Figure 3) Description					
Imperial	Metric				0 = No Reducer	J	0 = No Sensors	A	B	C	D	E
425RD	M425RD	45	1		A	J	0	A	Single Cam w/PNP Prox			
800RD	M800RD	51	2		B	K	0	B	Single Cam w/NPN Prox			
1301RD	M1301RD	57	3		C	L	0	C	Dual Cam w/PNP Prox			
1801RD		63	4		D	M	0	D	Dual Cam w/NPN Prox			
			5		E	N	0	E	Single Cam/Prox Bracket			
			6		F	P	0	F	Dual Cam/Prox Bracket			
					G	R	0	G	Single Cam, w/Mech LS			
					H	S	0	H	Dual Cam, w/Mech LS			

Example Part Number: 800RD-C-T-T-XXX-000-C-L-A-40EA

- Motion (Table 1):** 800RD
- Output Configuration:** C (No Thru-Hole), T (with Thru-Hole), T (Thru Hole + Center Post*)
- Motor Brake Settings:** XXX (000 = No Motor Brake)
- Reducer Gear Ratio (Table 3 on Datasheets):** 000
- Output Clutch (Table 4 on Datasheets):** C, L, A, 40EA

Input Shaft Configuration/Rotation

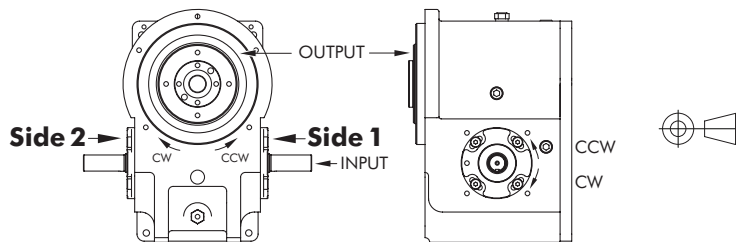
Relative Rotation for Right Hand Cam:

Side 1: CW Input, CCW Output

Side 2: CCW input, CW Output

NOTE: Input can be driven in either direction.

Reducer, Motor and adapter plates can be mounted on either side 1 or side 2 to drive input.



Index Mounting (Figure 1)








OVOI (output vertical, over input)	OVUI (output vertical, under input)	OHOI (output horizontal, over input)	OHUI (output horizontal, under input)	H-S1-UP (output horizontal, side 1 up)	H-S2-UP (output horizontal, side 2 up)
1	2	3	4	5	6

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Gear Reducer Mounting Positions (Figure 2)

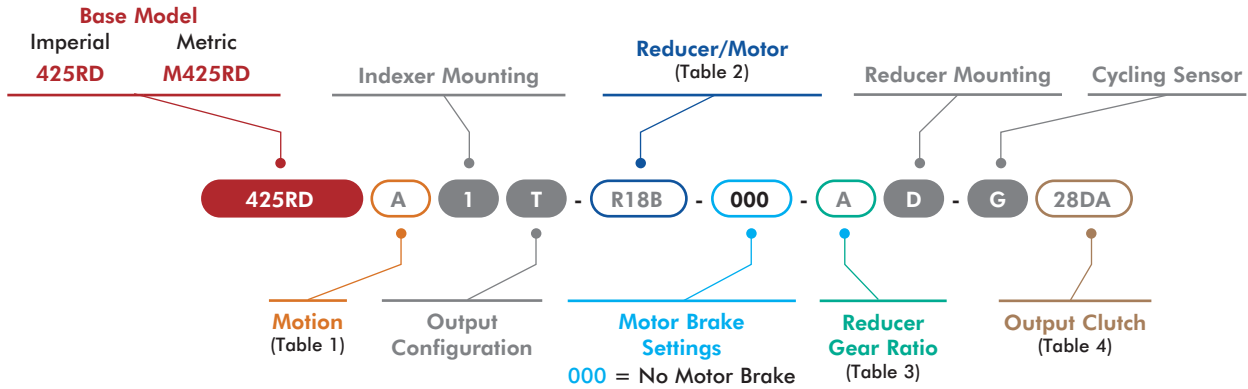
		Mounting "A"		Mounting "B"	
		Right Hand	Left Hand	Right Hand	Left Hand
SIDE 1					
					
SIDE 2					
					

Cycling Sensor Options (Figure 3)

Single Cam with (A) PNP or (B) NPN Proximity Sensor	Dual Cam with (A) PNP or (B) NPN Proximity Sensor	Single Cam with Proximity Sensor Bracket	Dual Cam with Proximity Sensor Bracket	Single Cam with Mechanical Limit Switch	Dual Cam with Mechanical Limit Switch
					
					

425RD SERIES

Roller Dial Index Drives | How To Order



X = See Page 43 for option information.

1 Motion

Code	Description
A	2-Stop-330
B	3-Stop-180
C	3-Stop-270
D	3-Stop-330
E	4-Stop-180
F	4-Stop-270
G	4-Stop-330
H	6-Stop-180
J	6-Stop-270
K	6-Stop-330
L	8-Stop-180
M	8-Stop-270
N	8-Stop-330
P	12-Stop-180
R	12-Stop-270
S	12-Stop-330

2 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
R180 Reducers/Motors	
R18A	Reducer, no motor
R18B	Reducer with 0.33HP 230/460V AC Motor
R18C	Reducer with 0.33HP 90V DC Motor
R18D	Reducer with 0.33HP 180V DC Motor
R225 Reducers/Motors	
R2SA	Reducer w/56 Adapter & CPLG, SE Worm
R2SB	Reducer w/145TC Adapter & CPLG, SE Worm
R2SC	Reducer w/0.5HP 56C 230/460V AC Motor, SE Worm
R2SD	Reducer w/1.0HP 56C 230/460V AC Motor, SE Worm
R2SE	Reducer w/1.0HP 56C 90V DC Motor, SE Worm
R2SF	Reducer w/1.0HP 143TC 180V DC Motor, SE Worm
R2DA	Reducer w/56 Adapter & CPLG only, DE Worm
R2DB	Reducer w/145TC Adapter & CPLG only, DE Worm
R2DC	Reducer w/0.5HP 56C 230/460V AC Motor, DE Worm
R2DD	Reducer w/1.0HP 56C 230/460V AC Motor, DE Worm
R2DE	Reducer w/1.0HP 56C 90V DC Motor, DE Worm
R2DF	Reducer w/1.0HP 143TC 180V DC Motor, DE Worm

*All Reducer/Motor Adapters require Gear Ratio option to be 0.

3 Reducer Gear Ratios*

Code	Description
0	N/A
A	10:1
B	15:1
C	20:1
D	25:1
E	30:1
F	40:1
G	50:1
H	60:1

* Select 0 when Reducer/Motor code is 0000. Must Select a Gear Ratio when a Reducer option is selected in Table 2.

4 Output Clutch & Settings

425RD Imperial Clutch Models		M425RD Metric Clutch Models	
Code	Description	Code	Description
0000	No Overload Clutch	0000	No Overload Clutch
28D Clutch			
28DA	2.8D 480 in-lb, Standard*	M28DA	M2.8D/54 Nm, Standard*
28DB	2.8D 850 in-lb, Standard*	M28DB	M2.8D/96 Nm, Standard*
28DC	2.8D 1300 in-lb, Standard*	M28DC	M2.8D/147 Nm, Standard*
28DD	2.8D 2200 in-lb, Standard*	M28DD	M2.8D/249 Nm, Standard*
28DE	2.8D 3100 in-lb, Standard*	M28DE	M2.8D/350 Nm, Standard*
28DF	2.8D 400 in-lb, Standard*	M28DF	M2.8D/45 Nm, Standard*
28DG	2.8D 700 in-lb, Standard*	M28DG	M2.8D/79 Nm, Standard*
28DH	2.8D 1100 in-lb, Standard*	M28DH	M2.8D/124 Nm, Standard*
28DJ	2.8D 1800 in-lb, Standard*	M28DJ	M2.8D/203 Nm, Standard*
28DK	2.8D 480 in-lb, Thru-Hole	M28DK	M2.8D/54 Nm, Thru-Hole
28DL	2.8D 850 in-lb, Thru-Hole	M28DL	M2.8D/96 Nm, Thru-Hole
28DM	2.8D 1300 in-lb, Thru-Hole	M28DM	M2.8D/147 Nm, Thru-Hole
28DN	2.8D 2200 in-lb, Thru-Hole	M28DN	M2.8D/249 Nm, Thru-Hole
28DP	2.8D 3100 in-lb, Thru-Hole	M28DP	M2.8D/350 Nm, Thru-Hole
28DQ	2.8D 400 in-lb, Thru-Hole	M28DQ	M2.8D/45 Nm, Thru-Hole
28DR	2.8D 700 in-lb, Thru-Hole	M28DR	M2.8D/79 Nm, Thru-Hole
28DS	2.8D 1100 in-lb, Thru-Hole	M28DS	M2.8D/124 Nm, Thru-Hole
28DT	2.8D 1800 in-lb, Thru-Hole	M28DT	M2.8D/203 Nm, Thru-Hole
78E EZ Clutch			
28EA	2.8D 480 in-lb, Standard, EZ*	M28EA	M2.8D/54 Nm, Standard, EZ*
28EB	2.8D 850 in-lb, Standard, EZ*	M28EB	M2.8D/96 Nm, Standard, EZ*
28EC	2.8D 1300 in-lb, Standard, EZ*	M28EC	M2.8D/147 Nm, Standard, EZ*
28ED	2.8D 2200 in-lb, Standard, EZ*	M28ED	M2.8D/249 Nm, Standard, EZ*
28EE	2.8D 3100 in-lb, Standard, EZ*	M28EE	M2.8D/350 Nm, Standard, EZ*
28EF	2.8D 400 in-lb, Standard, EZ*	M28EF	M2.8D/45 Nm, Standard, EZ*
28EG	2.8D 700 in-lb, Standard, EZ*	M28EG	M2.8D/79 Nm, Standard, EZ*
28EH	2.8D 1100 in-lb, Standard, EZ*	M28EH	M2.8D/124 Nm, Standard, EZ*
28EJ	2.8D 1800 in-lb, Standard, EZ*	M28EJ	M2.8D/203 Nm, Standard, EZ*
28EK	2.8D 480 in-lb, Thru-Hole, EZ	M28EK	M2.8D/54 Nm, Thru-Hole, EZ
28EL	2.8D 850 in-lb, Thru-Hole, EZ	M28EL	M2.8D/96 Nm, Thru-Hole, EZ
28EM	2.8D 1300 in-lb, Thru-Hole, EZ	M28EM	M2.8D/147 Nm, Thru-Hole, EZ
28EN	2.8D 2200 in-lb, Thru-Hole, EZ	M28EN	M2.8D/249 Nm, Thru-Hole, EZ
28EP	2.8D 3100 in-lb, Thru-Hole, EZ	M28EP	M2.8D/350 Nm, Thru-Hole, EZ
28EQ	2.8D 400 in-lb, Thru-Hole, EZ	M28EQ	M2.8D/45 Nm, Thru-Hole, EZ
28ER	2.8D 700 in-lb, Thru-Hole, EZ	M28ER	M2.8D/79 Nm, Thru-Hole, EZ
28ES	2.8D 1100 in-lb, Thru-Hole, EZ	M28ES	M2.8D/124 Nm, Thru-Hole, EZ
28ET	2.8D 1800 in-lb, Thru-Hole, EZ	M28ET	M2.8D/203 Nm, Thru-Hole, EZ

EZ Clutch allows for direct mounting and removal of application dial plate onto the EZ flange without removing clutch.

* Clutch has a solid plate cover and not compatible with Output Configuration options T and P. See page 43.

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	3 [1]	6 [2]	12 [4]	32 [11]	47 [16]	64 [22]
3	3 [1]	6 [2]	18 [6]	32 [11]	73 [25]	108 [37]	146 [50]
4	3 [1]	15 [5]	29 [10]	56 [19]	129 [44]	193 [66]	263 [90]
6	12 [4]	32 [11]	70 [24]	129 [44]	293 [100]	439 [150]	457 [156]
8	20 [7]	59 [20]	126 [43]	231 [79]	457 [156]	457 [156]	457 [156]
12	47 [16]	132 [45]	260 [89]	398 [136]	430 [147]	430 [147]	430 [147]
Reducer Ratio							
	15	20	25	30	40	50	60

Features

- R180 Reducer (ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Worm Shaft Handwheel
- Double Extended Camshaft (Input Shaft)
- 1/3 HP AC Drive Package with Inverter Duty Motor (up to 60 cpm)
- R225 Reducer with 1 HP AC or DC Motor (ratios of 5:1 to 60:1)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	12010 N [2700 lbs]
Thrust/Axial	717 N [1600 lbs]
Moment	655 N-m [5800 in-lbs]

Accuracy

±47 arcsec / ±0,025 mm [±.0027 in] at 304,8 mm [12 in] Radius

Repeatability

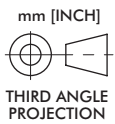
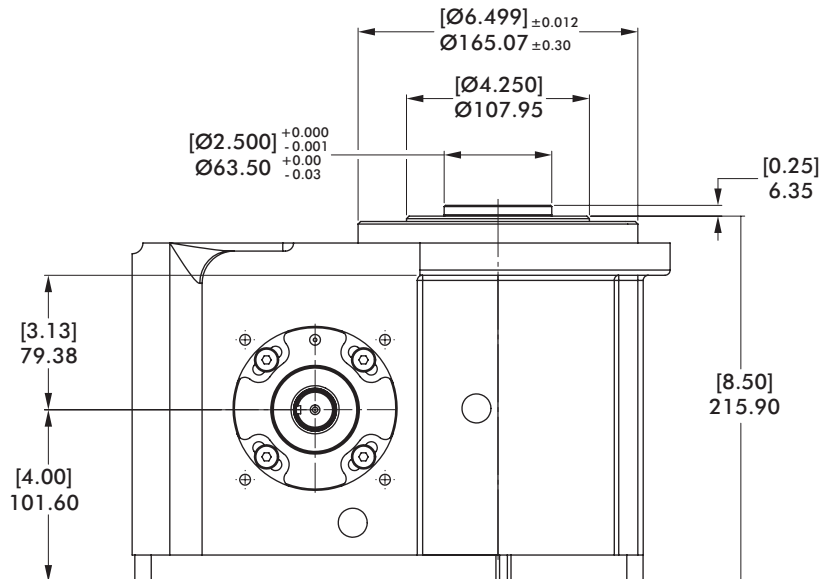
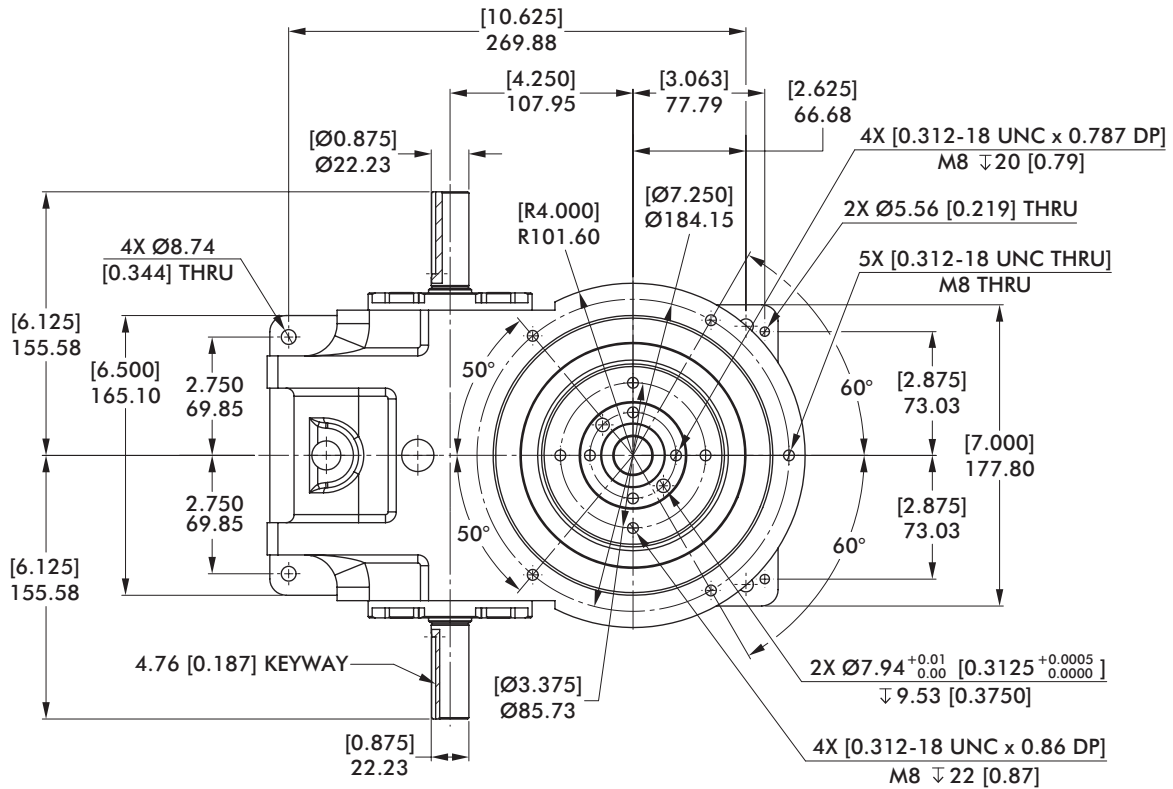
±12 arcsec / ±0,018 mm [±.0007 in] at 304,8 mm [12 in] Radius

Optional Accessories

- 1/3 hp DC Motor
- DC Motor Control (up to 30 cpm)
- 2.8D Output Overload Clutch
 - Available Settings (in-lbs): 400, 480, 700, 850, 1100, 1300, 1800, 2200, 3100
- Center Thru Hole (0.81 in. Diameter)
- Stationary Center Post
- Dual Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Universal Mounting Capability
- Custom Dial Plate

425RD SERIES

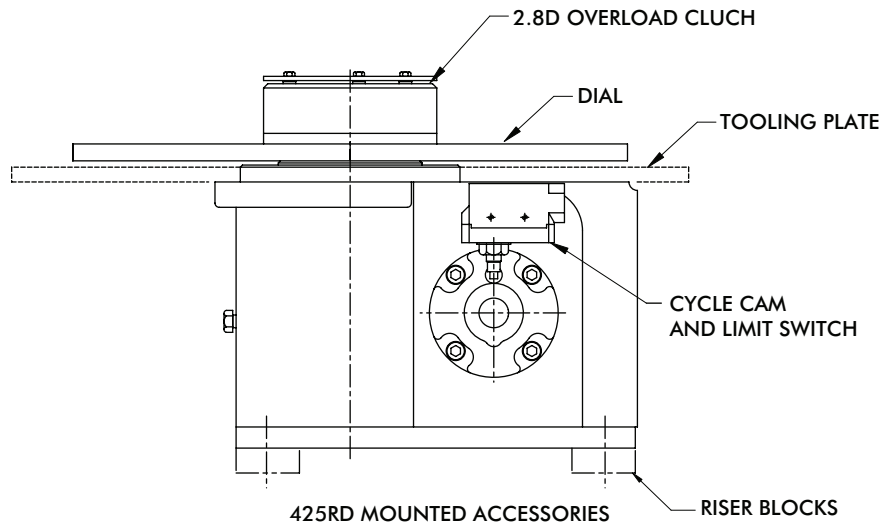
Roller Dial Index Drives | Dimensions



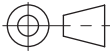
425RD SERIES

Roller Dial Index Drives | Dimensions

Center Post

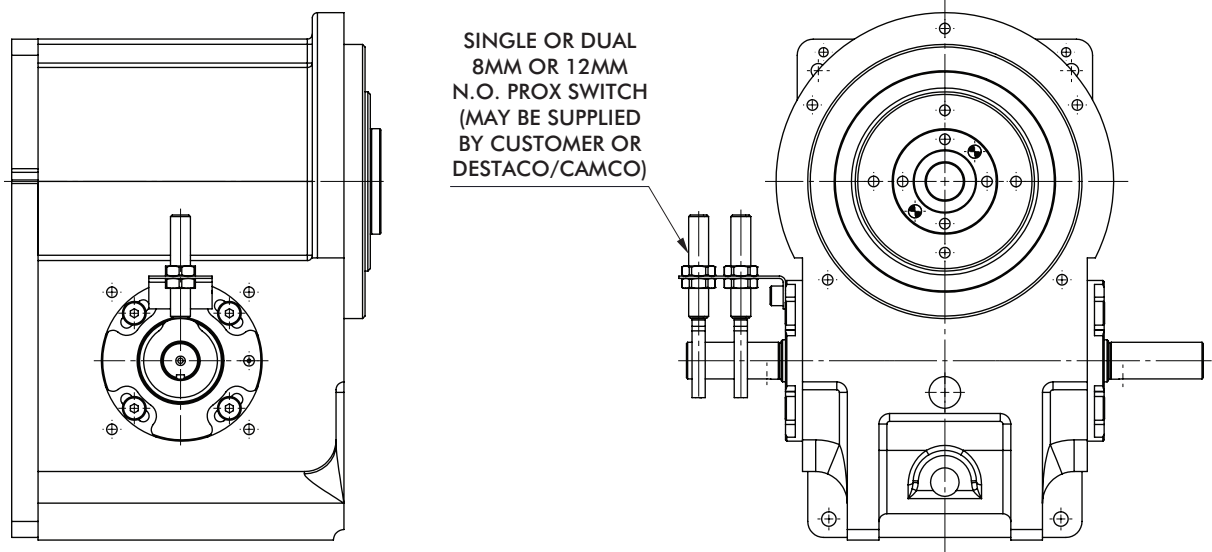


mm [INCH]



THIRD ANGLE
PROJECTION

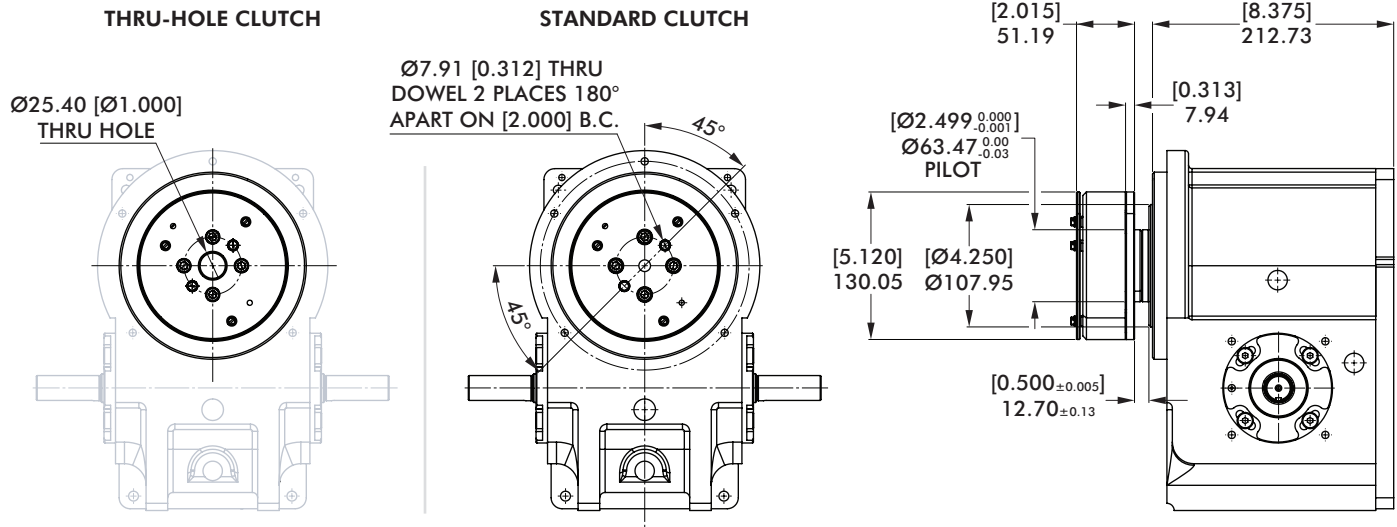
Proximity Switch



425RD SERIES

Roller Dial Index Drives | Dimensions

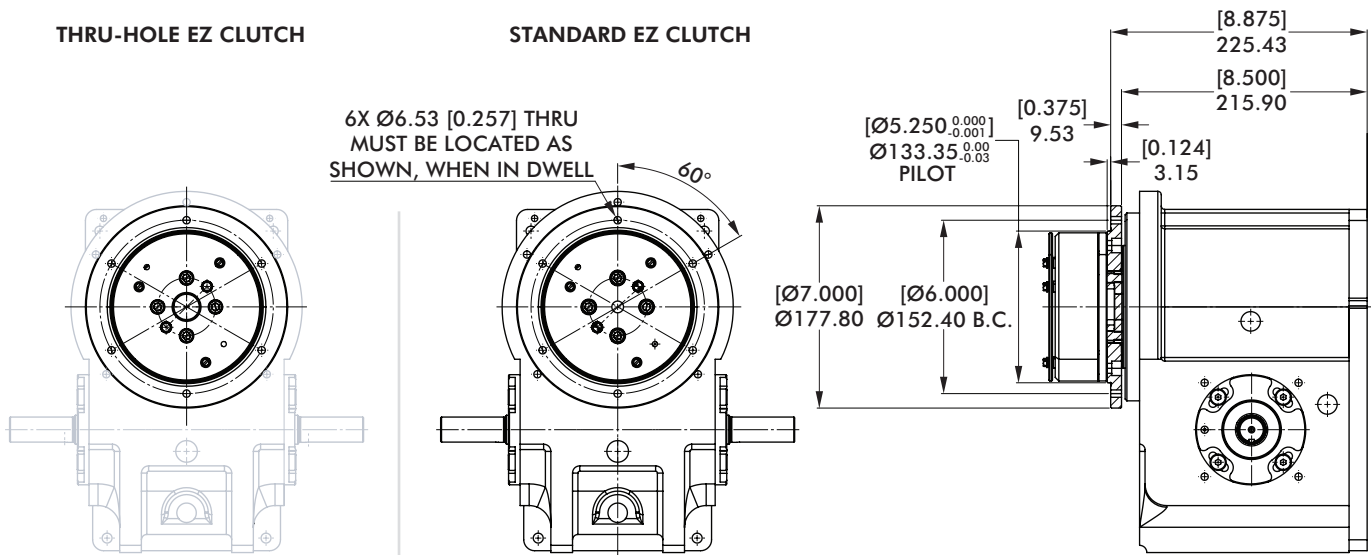
2.8D Overload Clutch



mm [INCH]



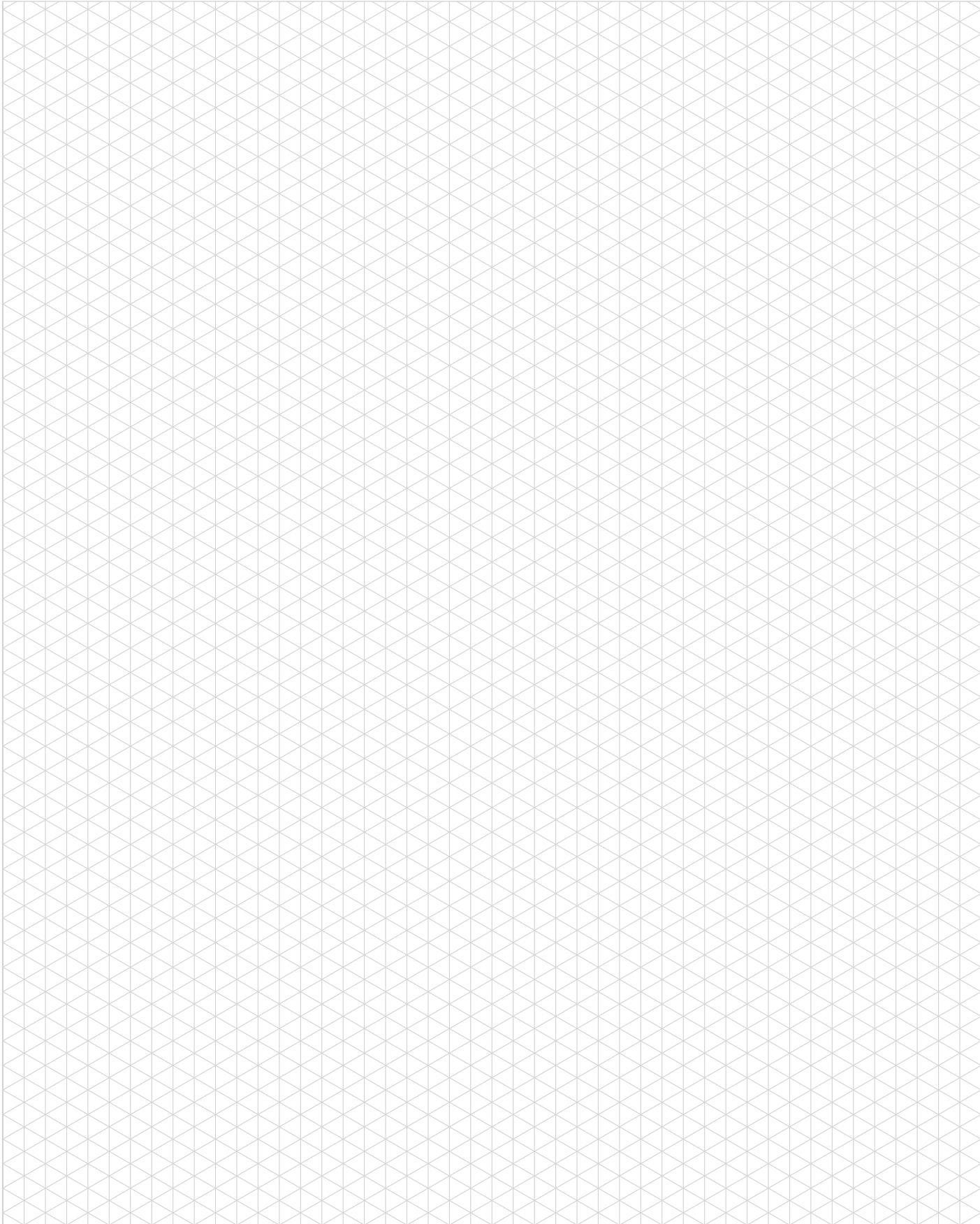
2.8E Overload Clutch with EZ Dial Mounting Adapter



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
2.8D/2.8E	0,0085 [29]	45, 54, 79, 96, 124, 147, 203, 249, 350 [400, 480, 700, 850, 1100, 1300, 1800, 2200, 3100]

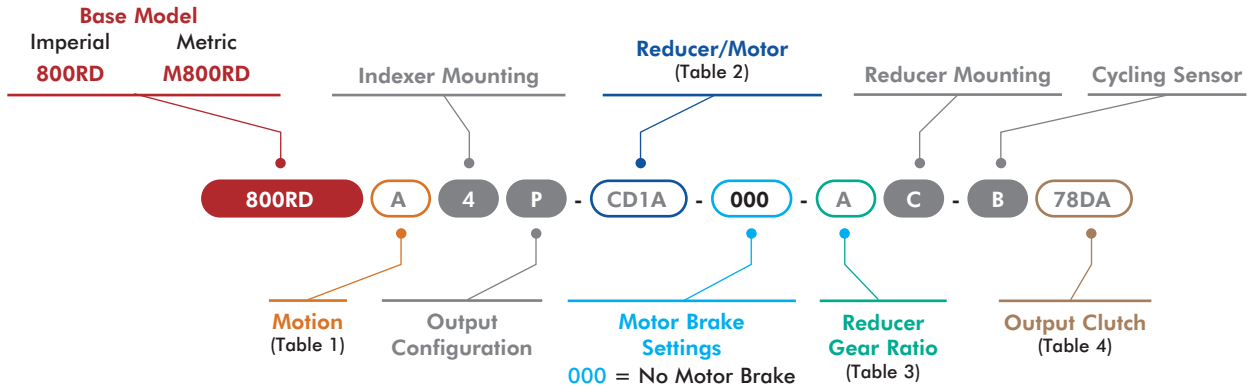
425RD SERIES

Notes



800RD SERIES

Roller Dial Index Drives | Dimensions



X = See Page 43 for option information.

1 Motion

Code	Description
A	2-Stop-270
B	2-Stop-330
C	3-Stop-270
D	3-Stop-330
E	4-Stop-180
F	4-Stop-270
G	4-Stop-330
H	6-Stop-180
J	6-Stop-270
K	6-Stop-330
L	8-Stop-180
M	8-Stop-270
N	8-Stop-330
P	12-Stop-180
R	12-Stop-270
S	12-Stop-330
T	16-Stop-180
U	16-Stop-270
V	24-Stop-180
W	24-Stop-270
X	6:1
Y	8:1
Z	12:1

2 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
Cone Drive 7300C Drive Configurations	
CD1A	Indexer w/7300C Adapter
CS1B	Reducer w/56C Motor Adapter, SE Worm
CS1C	Reducer w/145TC Motor Adapter, SE Worm
CS1D	Reducer w/1.0HP AC 56C Motor, SE Worm
CS1E	Reducer w/2.0HP AC 145TC Motor, SE Worm
CS1F	Reducer w/1.0HP 90V DC 56C Motor, SE Worm
CS1G	Reducer w/1.0HP 180V DC 56C Motor, SE Worm
CS1H	Reducer w/2.0HP 180V DC 143TC Motor, SE Worm
CD1B	Reducer w/56C Motor Adapter, DE Worm
CD1C	Reducer w/145TC Motor Adapter, DE Worm
CD1D	Reducer w/1.0HP AC 56C Motor, DE Worm
CD1E	Reducer w/2.0HP AC 145TC Motor, DE Worm
CD1F	Reducer w/1.0HP 90V DC 56C Motor, DE Worm
CD1G	Reducer w/1.0HP 180V DC 56C Motor, DE Worm
CD1H	Reducer w/2.0HP 180V DC 143TC Motor, DE Worm
Cone Drive 7350C Drive Configurations	
CD2A	Indexer w/7350C Adapter
CS2B	Reducer w/56C Motor Adapter, SE Worm
CS2C	Reducer w/145TC Motor Adapter, SE Worm
CS2D	Reducer w/1.0HP AC 56C Motor, SE Worm
CS2E	Reducer w/2.0HP AC 145TC Motor, SE Worm
CS2F	Reducer w/1.0HP 90V DC 56C Motor, SE Worm
CS2G	Reducer w/1.0HP 180V DC 56C Motor, SE Worm
CS2H	Reducer w/2.0HP 180V DC 143TC Motor, SE Worm
CD2B	Reducer w/56C Motor Adapter, DE Worm
CD2C	Reducer w/145TC Motor Adapter, DE Worm
CD2D	Reducer w/1.0HP AC 56C Motor, DE Worm
CD2E	Reducer w/2.0HP AC 145TC Motor, DE Worm
CD2F	Reducer w/1.0HP 90V DC 56C Motor, DE Worm
CD2G	Reducer w/1.0HP 180V DC 56C Motor, DE Worm
CD2H	Reducer w/2.0HP 180V DC 143TC Motor, DE Worm

*All Reducer/Motor Adapters require Gear Ratio option to be 0.

3 Reducer Gear Ratios*

Code	Description
0	N/A
A	10:1
B	15:1
C	20:1
D	25:1
E	30:1
F	40:1
G	50:1
H	60:1

* Select 0 when Reducer/Motor code is 0000. Must Select a Gear Ratio when a Reducer option is selected in Table 2.

4 Output Clutch & Settings

800RD Imperial Clutch Models		M800RD Metric Clutch Models	
Code	Description	Code	Description
0000	No Overload Clutch	0000	No Overload Clutch
78D Clutch			
78DA	3200 in-lb*	M78DA	360 Nm*
78DB	7200 in-lb*	M78DB	815 Nm*
78DC	10000 in-lb*	M78DC	1130 Nm*
78DD	1400 in-lb*	M78DD	160 Nm*
78DE	1700 in-lb*	M78DE	192 Nm*
78DF	2600 in-lb*	M78DF	295 Nm*
78DG	4200 in-lb*	M78DG	475 Nm*
78DH	5000 in-lb*	M78DH	566 Nm*
78DJ	3200 in-lb w/Thru-Hole	M78DJ	360 Nm w/Thru-Hole
78DK	7200 in-lb w/Thru-Hole	M78DK	815 Nm w/Thru-Hole
78DC	10000 in-lb w/Thru-Hole	M78DC	1130 Nm w/Thru-Hole
78DM	1400 in-lb w/Thru-Hole	M78DM	160 Nm w/Thru-Hole
78DN	1700 in-lb w/Thru-Hole	M78DN	192 Nm w/Thru-Hole
78DP	2600 in-lb w/Thru-Hole	M78DP	295 Nm w/Thru-Hole
78DQ	4200 in-lb w/Thru-Hole	M78DQ	475 Nm w/Thru-Hole
78DR	5000 in-lb w/Thru-Hole	M78DR	566 Nm w/Thru-Hole
78E EZ Clutch			
78EA	3200 in-lb, EZ*	M78EA	360 Nm, EZ*
78EB	7200 in-lb, EZ*	M78EB	815 Nm, EZ*
78EC	10000 in-lb, EZ*	M78EC	1130 Nm, EZ*
78ED	1400 in-lb, EZ*	M78ED	160 Nm, EZ*
78EE	1700 in-lb, EZ*	M78EE	192 Nm, EZ*
78EF	2600 in-lb, EZ*	M78EF	295 Nm, EZ*
78EG	4200 in-lb, EZ*	M78EG	475 Nm, EZ*
78EH	5000 in-lb, EZ*	M78EH	566 Nm, EZ*
78EJ	3200 in-lb w/Thru-Hole, EZ	M78EJ	360 Nm w/Thru-Hole, EZ
78EK	7200 in-lb w/Thru-Hole, EZ	M78EK	815 Nm w/Thru-Hole, EZ
78EC	10000 in-lb w/Thru-Hole, EZ	M78EC	1130 Nm w/Thru-Hole, EZ
78EM	1400 in-lb w/Thru-Hole, EZ	M78EM	160 Nm w/Thru-Hole, EZ
78EN	1700 in-lb w/Thru-Hole, EZ	M78EN	192 Nm w/Thru-Hole, EZ
78EP	2600 in-lb w/Thru-Hole, EZ	M78EP	295 Nm w/Thru-Hole, EZ
78EQ	4200 in-lb w/Thru-Hole, EZ	M78EQ	475 Nm w/Thru-Hole, EZ
78ER	5000 in-lb w/Thru-Hole, EZ	M78ER	566 Nm w/Thru-Hole, EZ

EZ Clutch allows for direct mounting and removal of application dial plate onto the EZ flange without removing clutch.

*Clutch has a solid plate cover and not compatible with Output Configuration options T and P. See page 43.

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	6 [2]	23 [8]	50 [17]	94 [32]	161 [55]	243 [83]	334 [114]
3	20 [7]	56 [19]	117 [40]	211 [72]	366 [125]	547 [187]	755 [258]
4	38 [13]	102 [35]	211 [72]	380 [130]	653 [223]	977 [334]	1343 [459]
6	88 [30]	231 [79]	480 [164]	857 [293]	1475 [504]	2204 [753]	3026 [1034]
8	158 [54]	416 [142]	855 [292]	1525 [521]	2625 [897]	3605 [1232]	3605 [1232]
12	360 [123]	913 [312]	1528 [522]	2324 [794]	3383 [1156]	3383 [1156]	3383 [1156]
Reducer Ratio							
	15	20	25	30	40	50	60

Features

- 7300C Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Motor Adapter and Coupling
- Double Extended Camshaft (Input Shaft)
- 1 HP AC Drive Package with Inverter Duty Motor (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	22139 N [4977 lbs]
Thrust/Axial	15840 N [3561 lbs]
Moment	2531 N-m [22398 in-lbs]

Accuracy

±30 arcsec / ±0,102 mm [±.004 in] at 609,6 mm [24 in] Radius

Repeatability

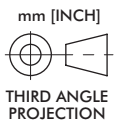
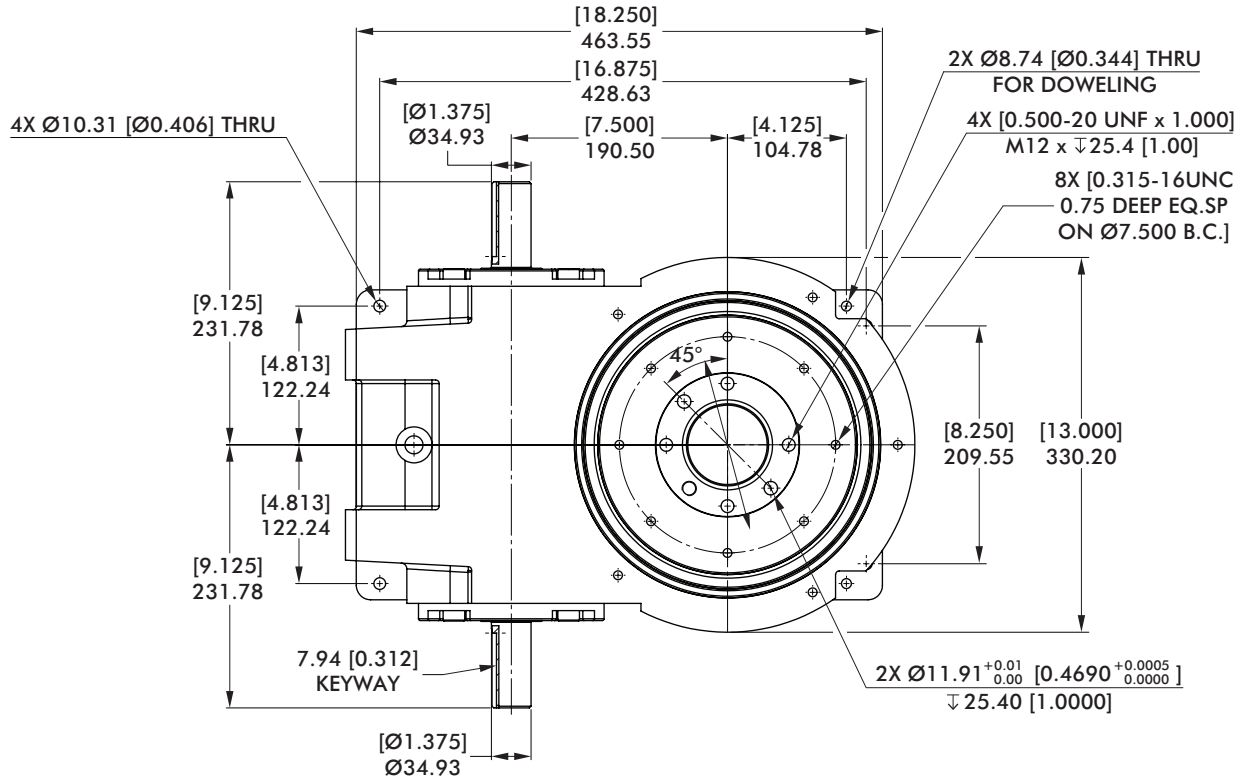
±8 arcsec / ±0,023 mm [±.0009 in] at 609,6 mm [24 in] Radius

Optional Accessories

- 7350C Reducer (ratios from 5:1 to 60:1) with 1 hp AC or DC Motor
- 1 hp DC Motor
- DC Motor Control (up to 30 cpm)
- Output Overload Clutch model 7.8D
 - Available Settings (in-lbs): 1400, 1700, 2600, 3200, 4200, 5000, 7200, 10,000
- Output Overload Clutch model 18D
 - Available Settings (in-lbs): 5000, 7000, 7800, 10,000, 12,000, 16,000, 19,000, 21,000, 27,000, 42,000, 45,000
- Center Thru Hole (2.50 in. Diameter)
- Stationary Center Post
- Dual Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Universal Mounting Capability
- Custom Dial Plate

800RD SERIES

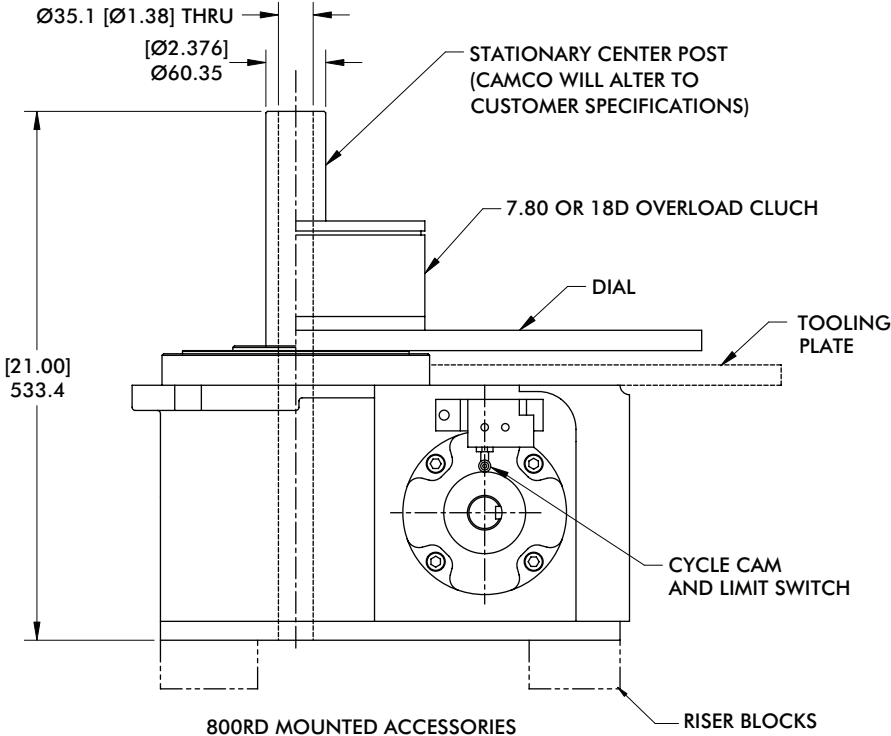
Roller Dial Index Drives | Dimensions



800RD SERIES

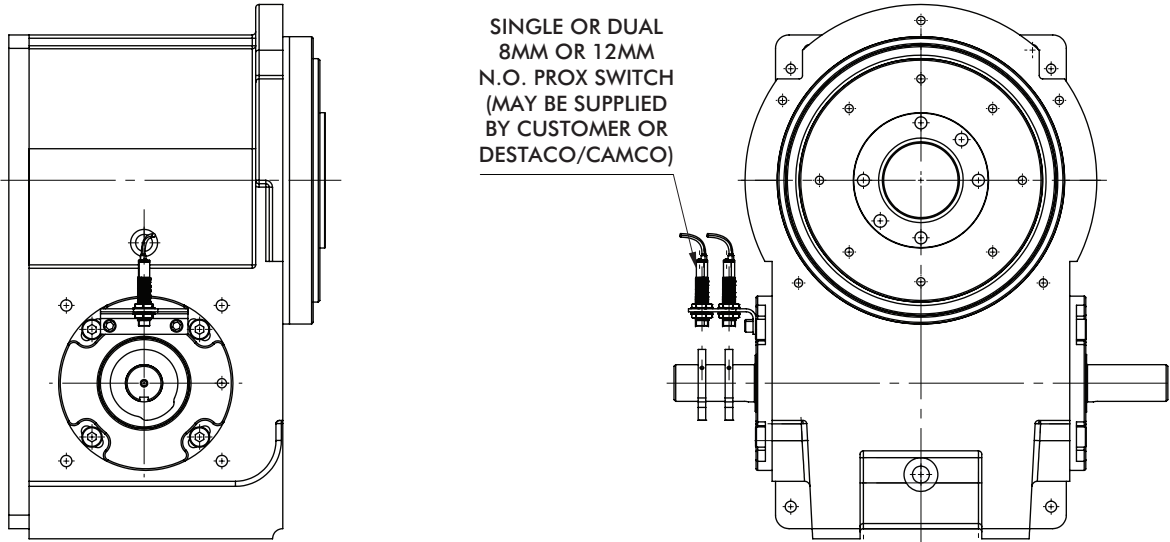
Roller Dial Index Drives | Dimensions

Center Post



mm [INCH]
THIRD ANGLE PROJECTION

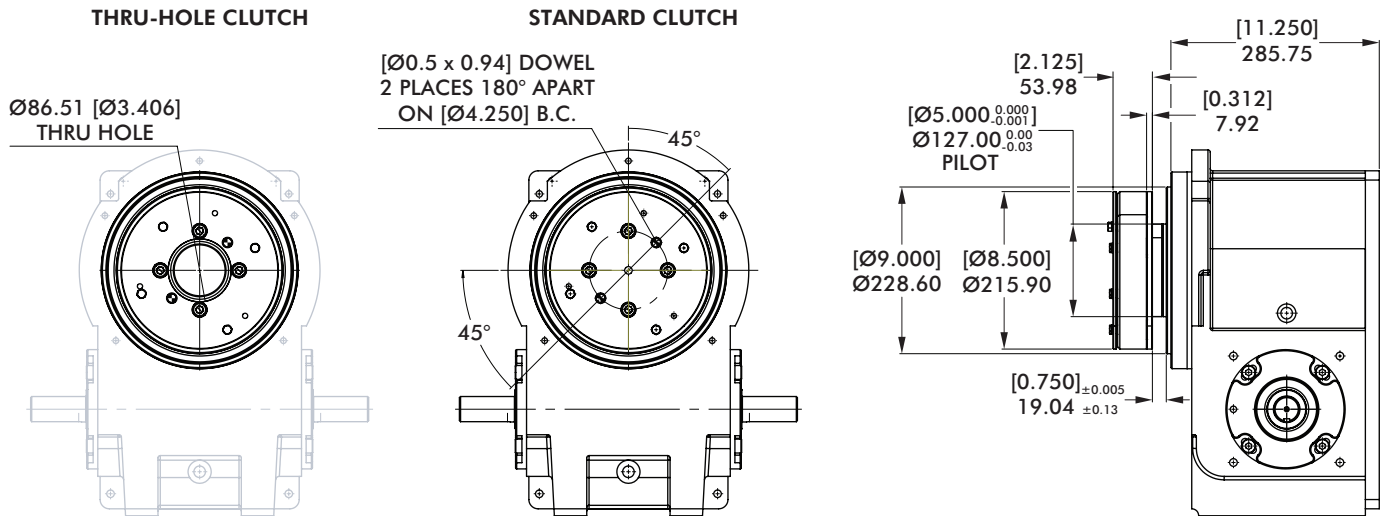
Proximity Switch



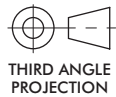
800RD SERIES

Roller Dial Index Drives | Dimensions

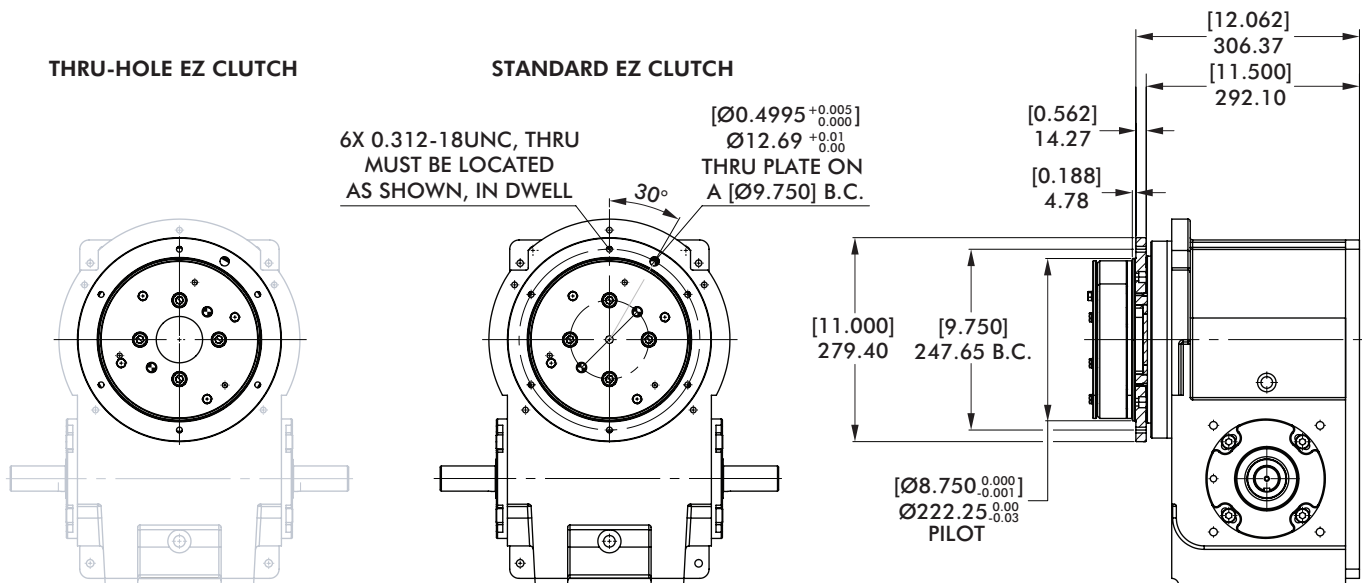
18D Overload Clutch



mm [INCH]



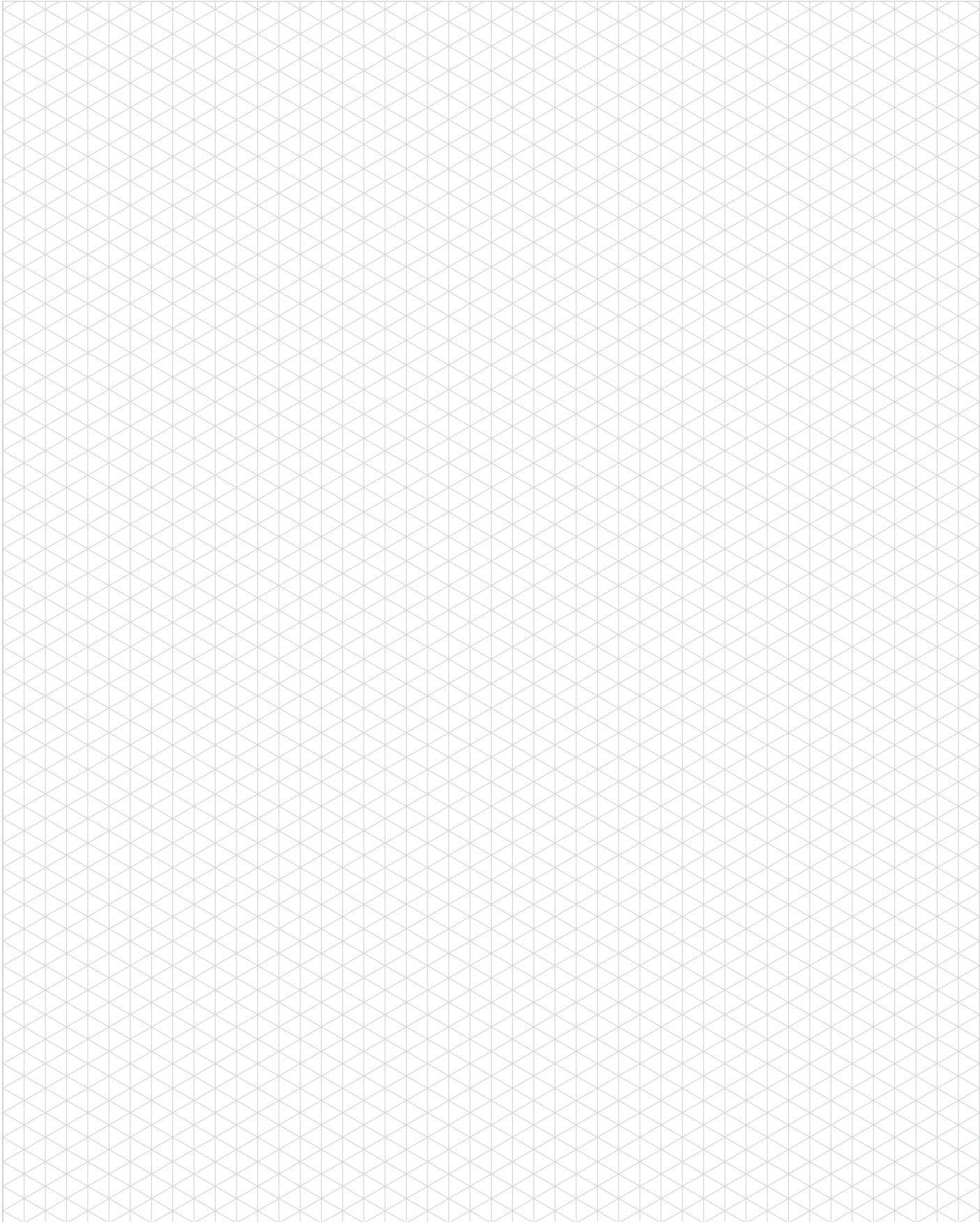
18E Overload Clutch with EZ Dial Mounting Adapter



Model	Internal Inertia $\text{kg}\cdot\text{m}^2$ [lb-in ²]	Torque Setting N-m [in-lb]
18D/18E	0,852 [2910]	960, 1469, 2260, 3503 [8500, 13000, 20000, 31000]

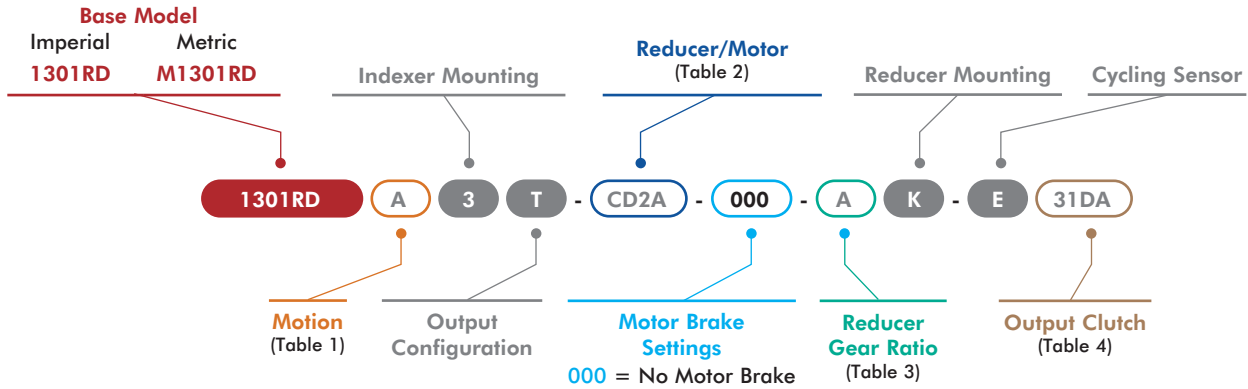
800RD SERIES

Notes



1301RD SERIES

Roller Dial Index Drives | Dimensions



X = See Page 43 for option information.

1 Motion

Code	Description
A	2-STOP-330
B	3-STOP-270
C	3-STOP-330
D	4-STOP-300
E	4-STOP-330
F	6-STOP-270
G	6-STOP-330
H	8-STOP-180
J	8-STOP-270
K	8-STOP-330
L	12-STOP-180
M	12-STOP-270
N	12-STOP-330
P	16-STOP-180
R	16-STOP-270
S	16-STOP-330
T	24-STOP-180
U	24-STOP-270

2 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
Cone Drive 7350C Drive Configurations	
CD2A	Indexer w/7350C Adapter
CS2C	Reducer w/145TC Motor Adapter Plate, SE Worm
CS2E	Reducer w/ 2.0HP AC 145TC Motor, SE Worm
CS2H	Reducer w/ 2.0HP 180V DC 143TC Motor, SE Worm
CD2C	Reducer w/145TC Motor Adapter Plate, DE Worm
CD2E	Reducer w/2.0HP AC 145TC Motor, DE Worm
CD2H	Reducer w/2.0HP 180V DC 143TC Motor, DE Worm
Cone Drive 7400C Drive Configurations	
CD3A	Indexer w/7400C Adapter
CS3B	Reducer w/145TC Motor Adapter Plate, SE Worm
CS3D	Reducer w/ 2.0HP AC 145TC Motor, SE Worm
CS2F	Reducer w/2.0HP 180V DC 143TC Motor, SE Worm
CD3B	Reducer w/145TC Motor Adapter Plate, DE Worm
CD3D	Reducer w/ 2.0HP AC 145TC Motor, DE Worm
CD2F	Reducer w/ 2.0HP 180V DC 143TC Motor, DE Worm
SEW Adapter Plates	
SW4A	KH67 Adapter Only
SW5A	KH77 Adapter Only
SW6A	KH87 Adapter Only

*All Reducer/Motor Adapters require Gear Ratio option to be 0.

3 Reducer Gear Ratios*

Code	Description
0	N/A
A	5:1
B	10:1
C	15:1
D	20:1
E	25:1
F	30:1
G	40:1
H	50:1
J	60:1

* Select 0 when Reducer/Motor code is 0000. Must Select a Gear Ratio when a Reducer option is selected in Table 2.

4 Output Clutch & Settings

1301RD Imperial Clutch Models		M1301RD Metric Clutch Models	
Code	Description	Code	Description
0000	No Overload Clutch	0000	No Overload Clutch
31D Clutch			
31DA	31D/8500 in-lb, Standard*	M31DA	M31D/960 Nm, Standard*
31DB	31D/13000 in-lb, Standard*	M31DB	M31D/1469 Nm, Standard*
31DC	31D/20000 in-lb, Standard*	M31DC	M31D/2260 Nm, Standard*
31DD	31D/31000 in-lb, Standard*	M31DD	M31D/3503 Nm, Standard*
31DE	31D/8500 in-lb, Thru-Hole	M31DE	M31D/960 Nm, Thru-Hole
31DF	31D/13000 in-lb, Thru-Hole	M31DF	M31D/1469 Nm, Thru-Hole
31DG	31D/20000 in-lb, Thru-Hole	M31DG	M31D/2260 Nm, Thru-Hole
31DH	31D/31000 in-lb, Thru-Hole	M31DH	M31D/3503 Nm, Thru-Hole
31E EZ Clutch			
31EA	31D/8500 in-lb, Standard, EZ*	M31EA	M31D/960 Nm, Standard, EZ*
31EB	31D/13000 in-lb, Standard, EZ*	M31EB	M31D/1469 Nm, Standard, EZ*
31EC	31D/20000 in-lb, Standard, EZ*	M31EC	M31D/2260 Nm, Standard, EZ*
31ED	31D/31000 in-lb, Standard, EZ*	M31ED	M31D/3503 Nm, Standard, EZ*
31EE	31D/8500 in-lb, Thru-Hole, EZ	M31EE	M31D/960 Nm, Thru-Hole, EZ
31EF	31D/13000 in-lb, Thru-Hole, EZ	M31EF	M31D/1469 Nm, Thru-Hole, EZ
31EG	31D/20000 in-lb, Thru-Hole, EZ	M31EG	M31D/2260 Nm, Thru-Hole, EZ
31EH	31D/31000 in-lb, Thru-Hole, EZ	M31EH	M31D/3503 Nm, Thru-Hole, EZ

EZ Clutch allows for direct mounting and removal of application dial plate onto the EZ flange without removing clutch.

* Clutch has a solid plate cover and not compatible with Output Configuration options T and P. See page 43.

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	15 [5]	44 [15]	85 [29]	149 [51]	228 [78]	316 [108]
3	12 [4]	47 [16]	108 [37]	199 [68]	348 [119]	524 [179]	720 [246]
4	29 [10]	91 [31]	196 [67]	360 [123]	626 [214]	939 [321]	1288 [440]
6	76 [26]	214 [73]	454 [155]	822 [281]	1419 [485]	2122 [725]	2912 [995]
8	140 [48]	386 [132]	814 [278]	1472 [503]	2531 [865]	3778 [1291]	5183 [1771]
12	325 [111]	881 [301]	1844 [630]	3321 [1135]	5709 [1951]	8513 [2909]	11673 [3989]
16	588 [201]	1574 [538]	3283 [1122]	5911 [2020]	10158 [3471]	15141 [5174]	20757 [7093]
Reducer Ratio							
	15	20	25	30	40	50	60

Features

- 7350C Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Motor Adapter and Coupling
- Double Extended Camshaft (Input Shaft)
- 2 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	70282 N [15800 lbs]
Thrust/Axial	48041N [10800 lbs]
Moment	12315 N-m [109000 in-lbs]

Accuracy ±39 arcsec / ±0,173 mm [±.0068 in] at 914,4 mm [36 in] Radius

Repeatability ±10 arcsec / ±0,043 mm [±.0017 in] at 914,4 mm [36 in] Radius

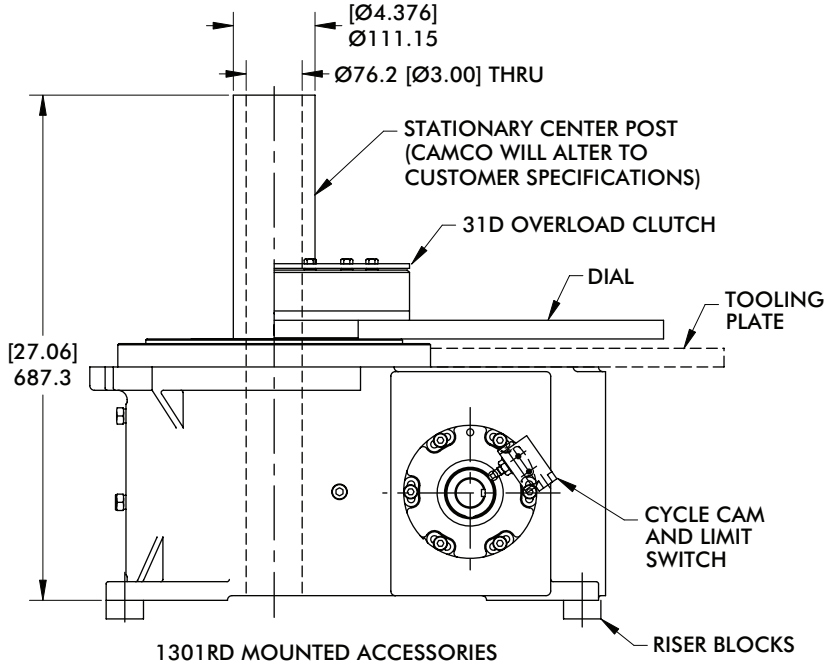
Optional Accessories

- 7400C Reducer (Ratios from 5:1 to 60:1) with Motor Adapter and Coupling
- 2 hp DC Motor
- DC Motor Control (up to 30 cpm)
- Output Overload Clutch model 31D
 - Available Settings (in-lbs): 8500, 13,000, 20,000, 31,000
- Center Thru Hole (4.75 in. Diameter)
- Stationary Center Post
- Dual Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Universal Mounting Capability
- Custom Dial Plate

1301RD SERIES

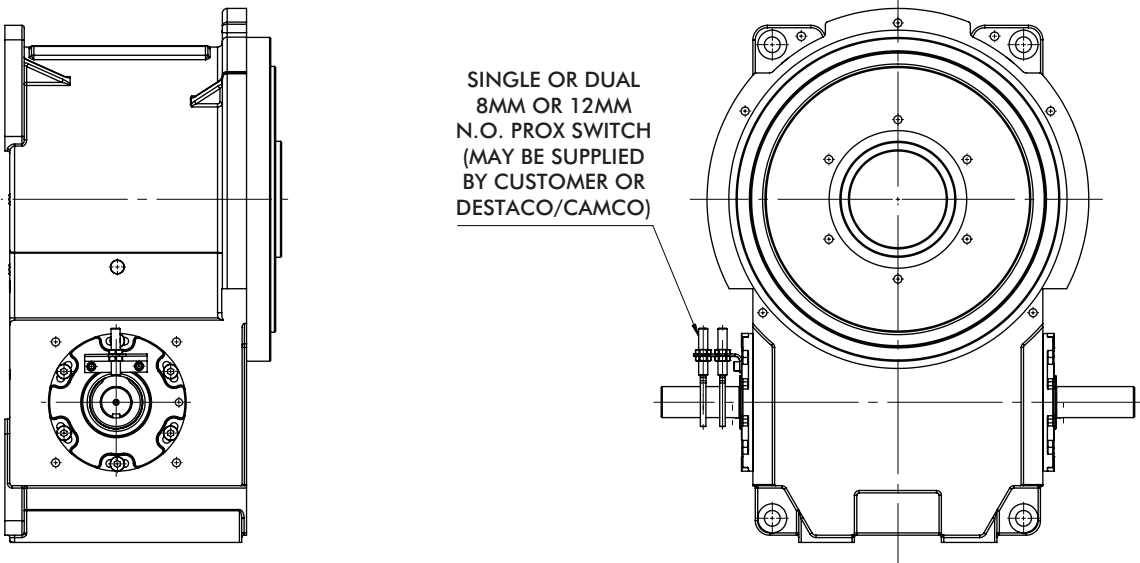
Roller Dial Index Drives | Dimensions

Center Post



mm [INCH]
THIRD ANGLE PROJECTION

Proximity Switch



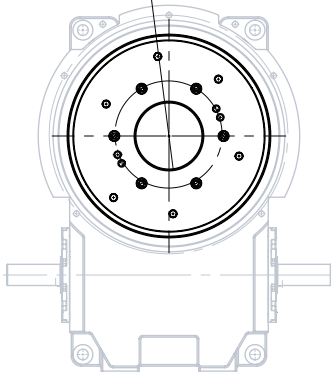
1301RD SERIES

Roller Dial Index Drives | Dimensions

31D Overload Clutch

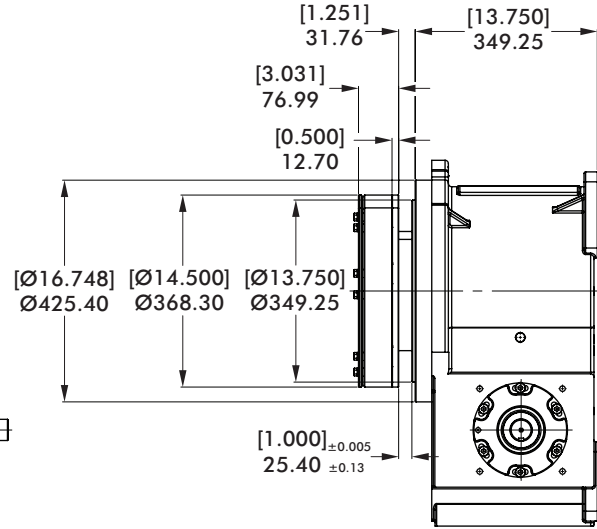
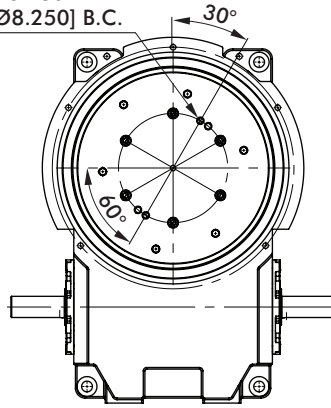
THRU-HOLE CLUTCH

Ø133.35 [Ø5.250]
THRU HOLE



STANDARD CLUTCH

[0.440 x 0.99] DOWEL
2 PLACES 180° APART
ON [Ø8.250] B.C.



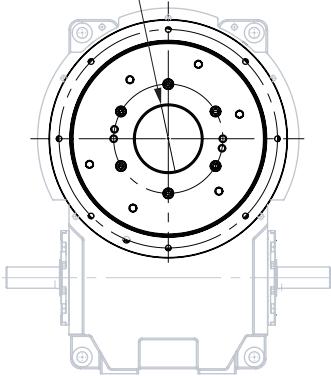
mm [INCH]



31E Overload Clutch with EZ Dial Mounting Adapter

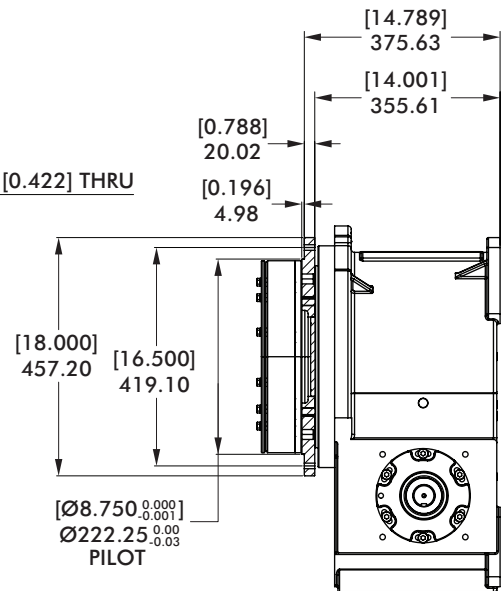
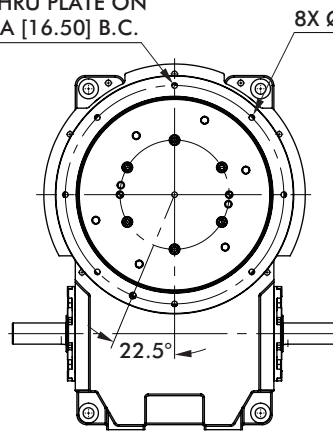
THRU-HOLE EZ CLUTCH

Ø133.35 [Ø5.250]
THRU HOLE

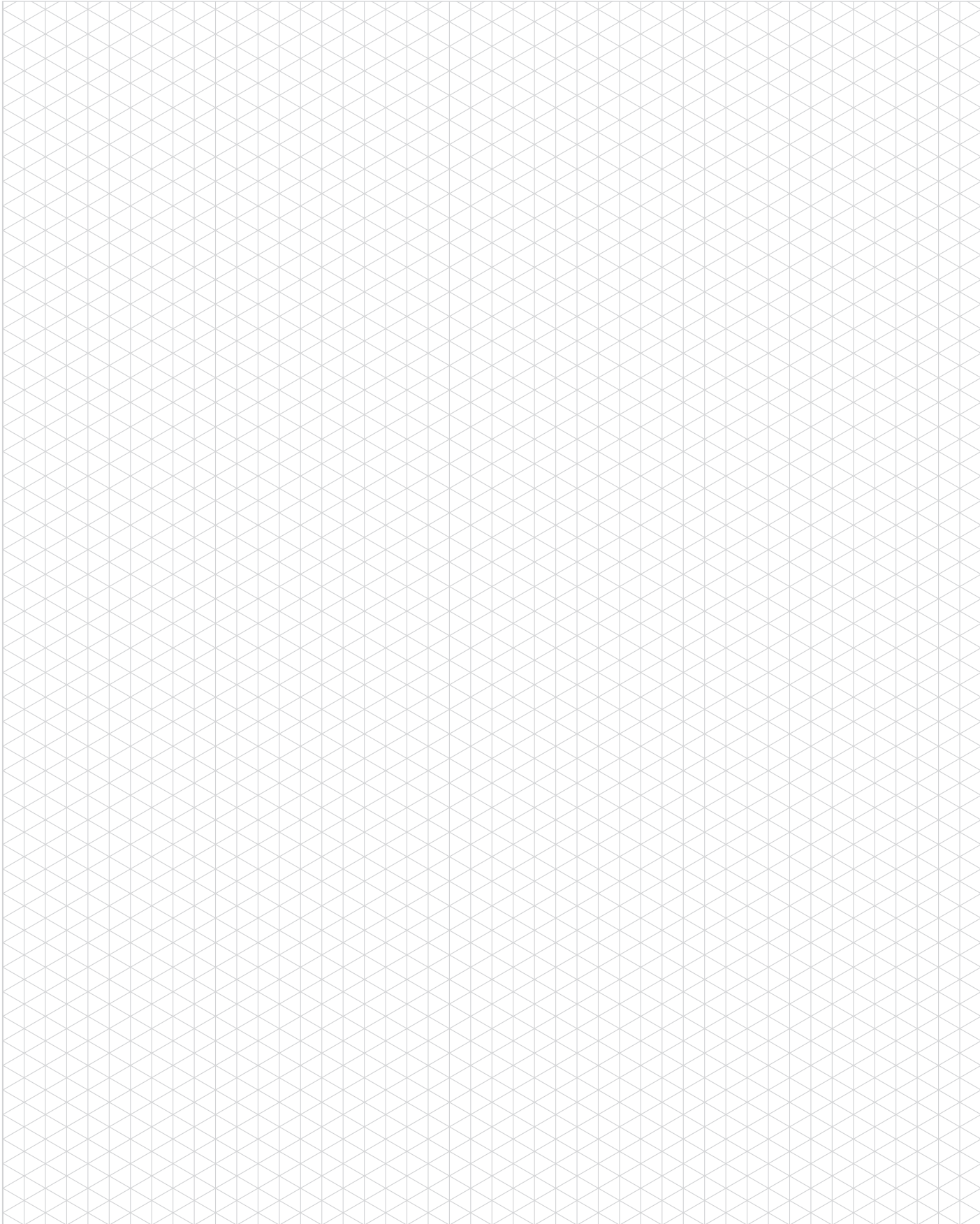


STANDARD EZ CLUTCH

[Ø0.4995^{+0.0005}_{0.0000}]
Ø12.69^{+0.01}_{0.00}
THRU PLATE ON
A [16.50] B.C.

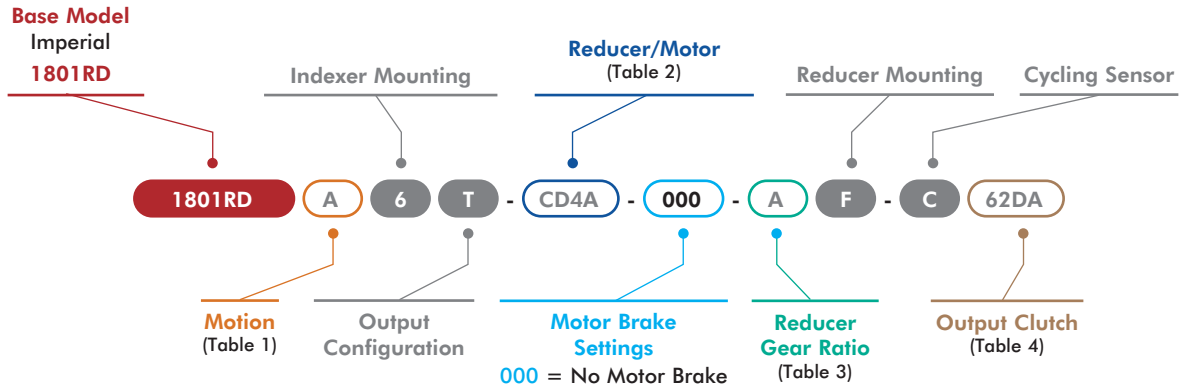


Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
31D/31E	0,852 [2910]	960, 1469, 2260, 3503 [8500, 13000, 20000, 31000]



1801RD SERIES

Roller Dial Index Drives | Dimensions



X = See Page 43 for option information.

1 Motion

Code	Description
A	2-STOP-330
B	3-STOP-270
C	3-STOP-330
D	4-STOP-180
E	4-STOP-270
F	4-STOP-330
G	6-STOP-180
H	6-STOP-270
J	6-STOP-330
K	8-STOP-180
L	8-STOP-270
M	8-STOP-330
N	12-STOP-180
P	12-STOP-270
R	12-STOP-330
S	16-STOP-180
T	16-STOP-270
U	16-STOP-330
V	24-STOP-180
W	24-STOP-270

2 Reducer/Motor Options

Code	Description
0000	No Reducer or Motor*
Cone Drive 7500C Drive Configurations	
CD4A	Indexer w/7500C Adapter
CS4C	Reducer w/182TC Motor Adapter Plate, SE Worm
CS4E	Reducer w/ 3.0HP AC 182TC Motor, SE Worm
CS4H	Reducer w/ 3.0HP 180V DC 184TC Motor, SE Worm
CD4C	Reducer w/182TC Motor Adapter Plate, DE Worm
CD4E	Reducer w/3.0HP AC 182TC Motor, DE Worm
CD4H	Reducer w/3.0HP 180V DC 184TC Motor, DE Worm
Cone Drive 7600C Drive Configurations	
CD5A	Indexer w/7600C Adapter
CS5B	Reducer w/182TC Motor Adapter Plate, SE Worm
CS5D	Reducer w/ 3.0HP AC 182TC Motor, SE Worm
CS5F	Reducer w/3.0HP 180V DC 184TC Motor, SE Worm
CD5B	Reducer w/182TC Motor Adapter Plate, DE Worm
CD5D	Reducer w/ 3.0HP AC 182TC Motor, DE Worm
CD5F	Reducer w/ 3.0HP 180V DC 184TC Motor, DE Worm
SEW Adapter Plates	
SW6A	KH87 Adapter Only
SW7A	KH97 Adapter Only

* All Reducer/Motor Adapters require Gear Ratio option to be 0.

3 Reducer Gear Ratios*

Code	Description
0	N/A
A	5:1
B	10:1
C	15:1
D	20:1
E	25:1
F	30:1
G	40:1
H	50:1
J	60:1

* Select 0 when Reducer/Motor code is 0000. Must Select a Gear Ratio when a Reducer option is selected in Table 2.

4 Output Clutch & Settings

1801RD Imperial Clutch Models	
Code	Description
0000	No Overload Clutch
62D Clutch	
62DA	62D/23000 in-lb, Standard*
62DB	62D/36000 in-lb, Standard*
62DC	62D/44000 in-lb, Standard*
62DD	62D/50000 in-lb, Standard*
62DE	62D/60000 in-lb, Standard*
62DF	62D/23000 in-lb, Thru-Hole
62DG	62D/36000 in-lb, Thru-Hole
62DH	62D/44000 in-lb, Thru-Hole
62DJ	62D/50000 in-lb, Thru-Hole
62DK	62D/60000 in-lb, Thru-Hole
62E EZ Clutch	
62EA	62D/23000 in-lb, Standard, EZ*
62EB	62D/36000 in-lb, Standard, EZ*
62EC	62D/44000 in-lb, Standard, EZ*
62ED	62D/50000 in-lb, Standard, EZ*
62EE	62D/60000 in-lb, Standard, EZ*
62EF	62D/23000 in-lb, Thru-Hole, EZ
62EG	62D/36000 in-lb, Thru-Hole, EZ
62EH	62D/44000 in-lb, Thru-Hole, EZ
62EJ	62D/50000 in-lb, Thru-Hole, EZ
62EK	62D/60000 in-lb, Thru-Hole, EZ

EZ Clutch allows for direct mounting and removal of application dial plate onto the EZ flange without removing clutch.

* Clutch has a solid plate cover and not compatible with Output Configuration options T and P. See page 43.

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.458	0.611	0.764	0.917	1.222	1.528	1.833
2	0 [0]	15 [5]	53 [18]	114 [39]	319 [109]	670 [229]	1,206 [412]
3	6 [2]	50 [17]	129 [44]	252 [86]	673 [230]	1,393 [476]	2,487 [850]
4	26 [9]	114 [39]	269 [92]	512 [175]	1,340 [458]	2,748 [939]	4,893 [1,672]
6	79 [27]	266 [91]	600 [205]	1,121 [383]	2,894 [989]	5,914 [2,021]	10,515 [3,593]
8	158 [54]	492 [168]	1,083 [370]	2,010 [687]	5,159 [1,763]	10,529 [3,598]	18,708 [6,393]
12	372 [127]	1,121 [383]	2,455 [839]	4,542 [1,552]	11,627 [3,973]	23,710 [8,102]	42,114 [14,391]
16	679 [232]	2,010 [687]	4,384 [1,498]	8,091 [2,765]	20,690 [7,070]	42,17 [1,441]	56,933 [19,455]
Reducer Ratio							
	15	20	25	30	40	50	60

Features

- 7500C Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Motor Adapter and Coupling
- Double Extended Camshaft (Input Shaft)
- 3 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	65,834 N [14,800 lbs]
Thrust/Axial	56,048 N [12,600 lbs]
Moment	12,089 N-m [107,000 in-lbs]

Accuracy ±27 arcsec / ±.160 mm [±.0063 in] at 1,219.2 mm [48 in] Radius

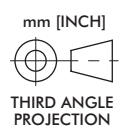
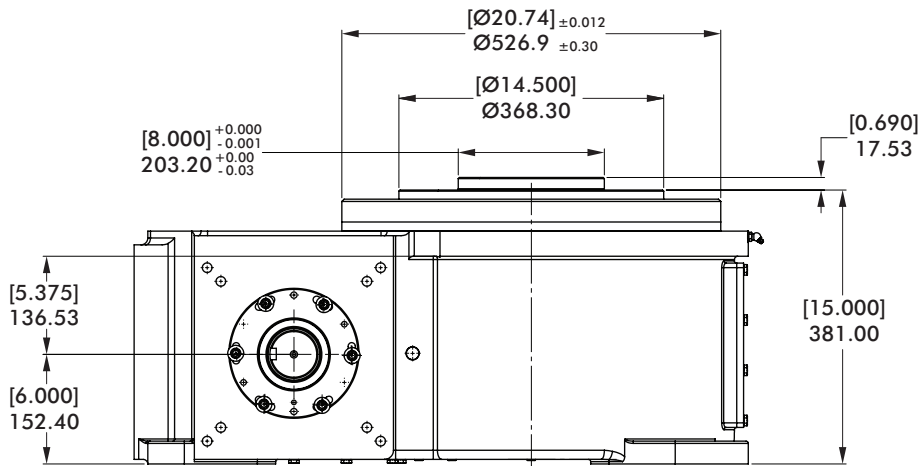
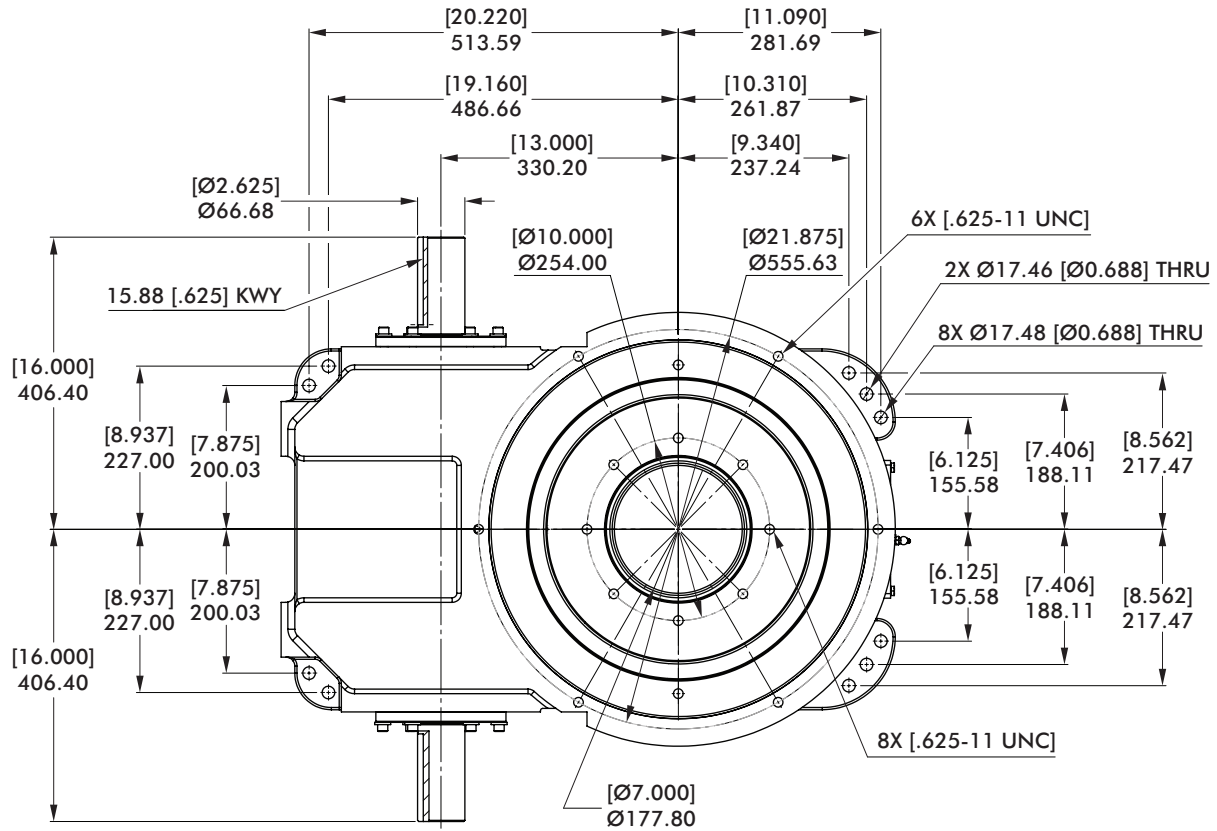
Repeatability ±7 arcsec / ±.041 mm [±.0016 in] at 1,219.2 mm [48 in] Radius

Optional Accessories

- 7600C or 7700C Reducer (Ratios from 5:1 to 60:1) with Motor Adapter and Coupling
- 3 hp DC Motor
- Output Overload Clutch model 62D
 - Available Settings (in-lbs): 23,000, 36,000, 44,000, 50,000, 60,000
- Center Thru Hole (7.00 in. Diameter)
- Stationary Center Post
- Dual Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Custom Dial Plate

1801RD SERIES

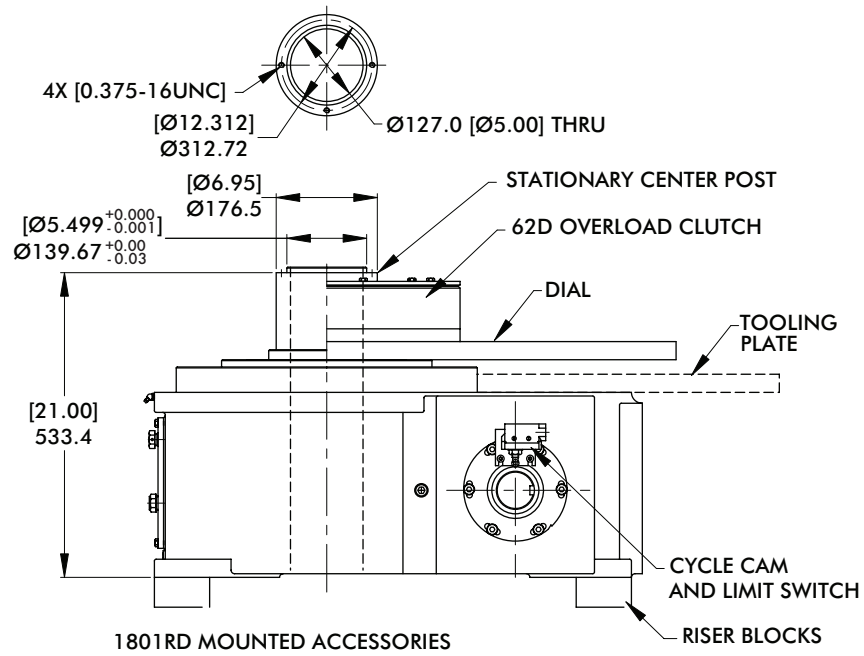
Roller Dial Index Drives | Dimensions



1801RD SERIES

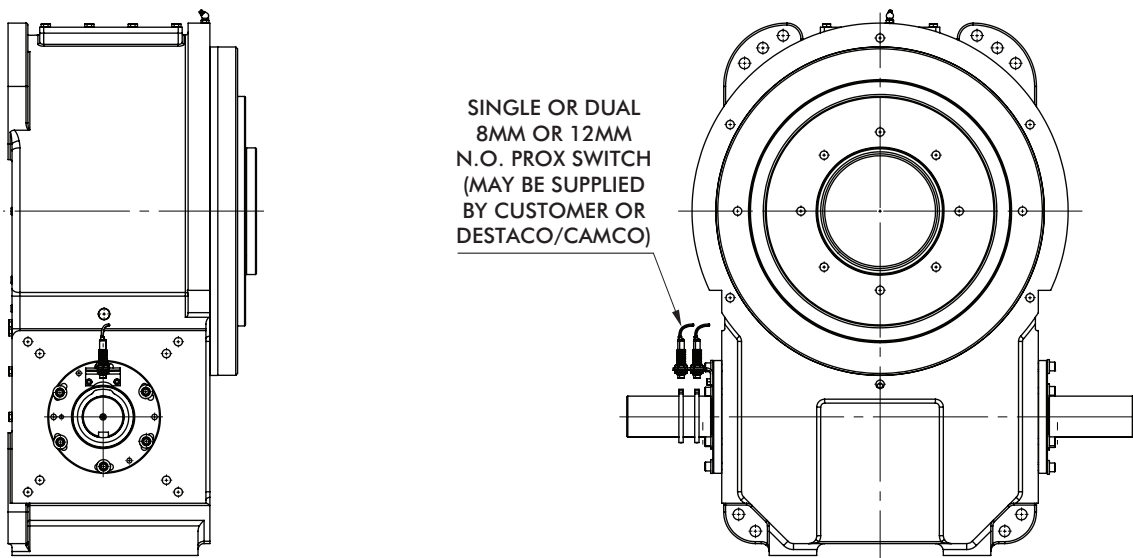
Roller Dial Index Drives | Dimensions

Center Post



mm [INCH]
THIRD ANGLE
PROJECTION

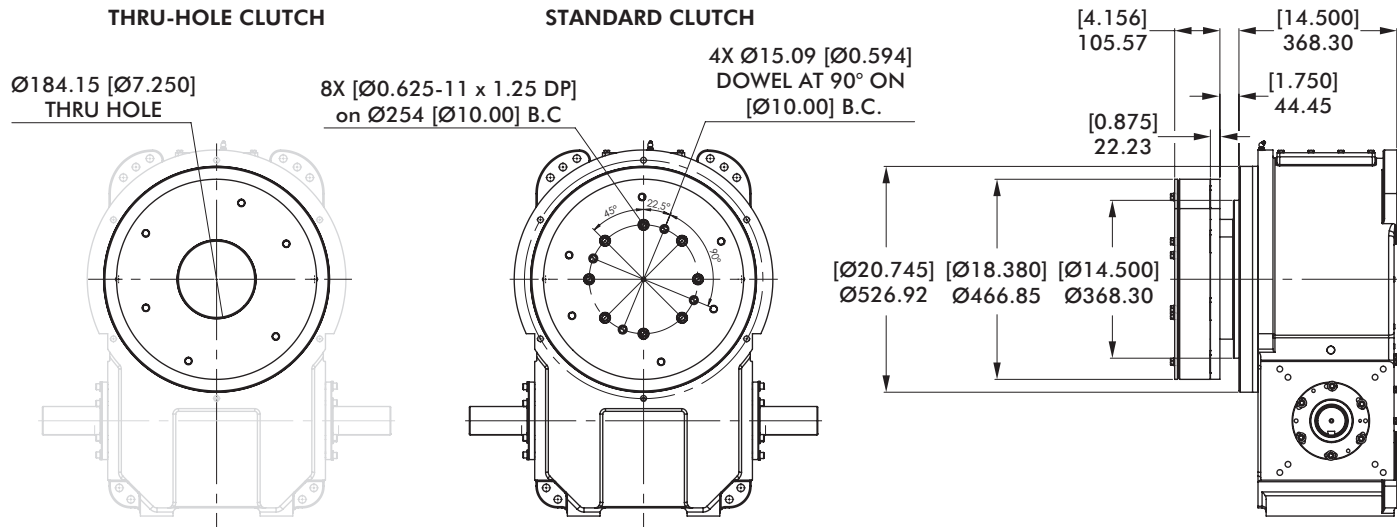
Proximity Switch



1801RD SERIES

Roller Dial Index Drives | Dimensions

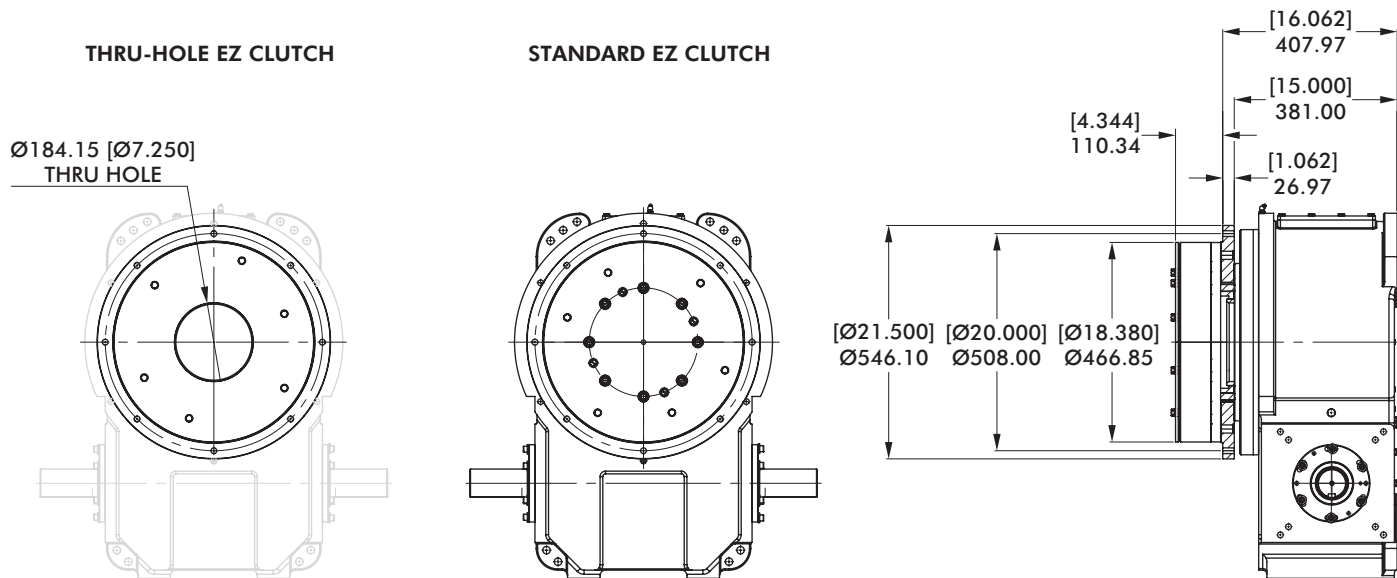
62D Overload Clutch



mm [INCH]



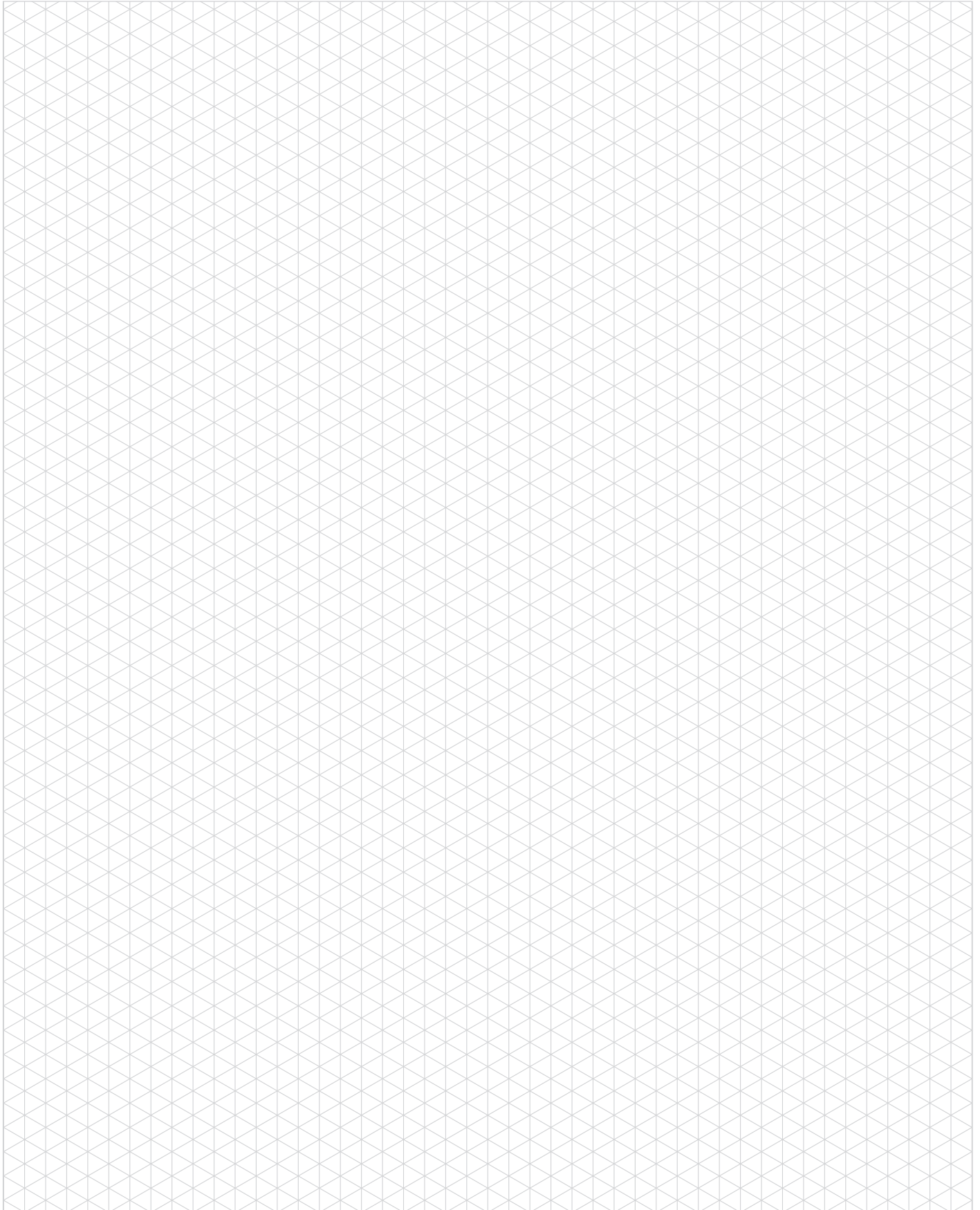
62E Overload Clutch with EZ Dial Mounting Adapter



Model	Internal Inertia kg-m ² [lb-in ²]	Torque Setting N-m [in-lb]
62D/62E	345 [4900]	2599, 4067, 4971, 5649, 6779 [23000, 36000, 44000, 50000, 60000]

1801RD SERIES

Notes



PRECISION INDEXING SOLUTIONS

Table of Contents

INDEXERS

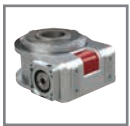
Servo Positioners



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



PGM Series
Parallel Gear Servo Positioner...IN-SRV-19



RSD Series
Rotary Servo Drives.....IN-SRV-25

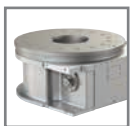
Mechanical Indexers



RDM Series
Rotary Index Drive IN-MCH-1



RD Series
Roller Dial Index Drive..... IN-MCH-42



E Series
Heavy-Duty Index Drive IN-MCH-54



RA Series
Right Angle Index Drive IN-MCH-66



RGD/RGS Series
Roller Gear Index Drive IN-MCH-76



P Series
Parallel Shaft/Flange Drive.... IN-MCH-96



RNG Series
Ring Drive Dial Indexer.. IN-MCH-108

OVERLOAD CLUTCHES



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

CUSTOM CAMS



Custom Cams
Cam Design Solutions IN-CAM-1

CONVEYORS



Rite-Link Series
Thin-Profile..... IN-CNV-1



Precision Link Series
Table-Top IN-CNV-4



Precision Link Series
Heavy-Duty IN-CNV-16

PARTS HANDLERS



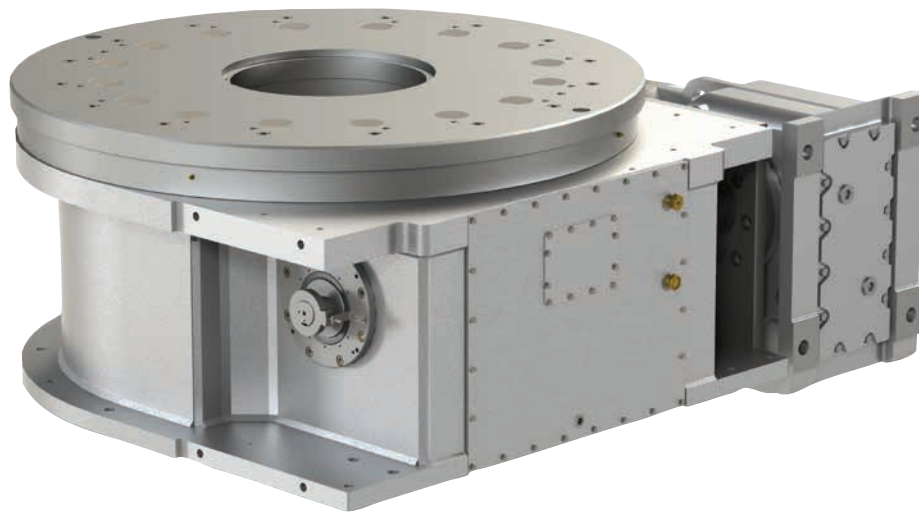
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

HEAVY DUTY INDEX DRIVE

Table of Contents



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

Table of Contents

How to Order	55
750E.....	57
950E.....	59
1150E.....	61
1550E.....	63

E-SERIES

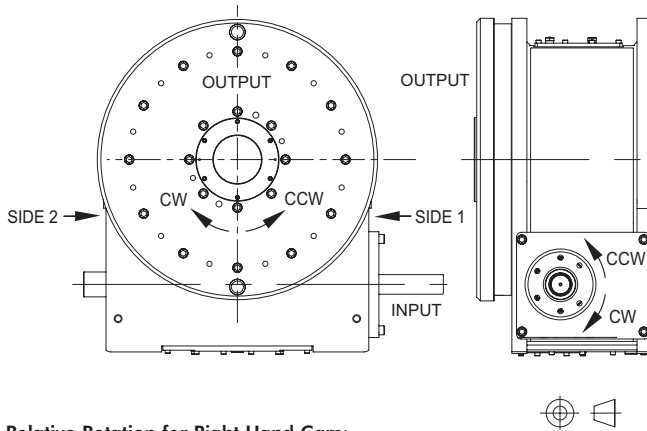
Heavy Duty Index Drive | How To Order

<p>Base Model Description</p> <p>750E w/ KH87 reducer & 12.5 HP AC motor (220/440V)</p> <p>950E w/ KH87 reducer & 15 HP AC motor (220/440V)</p> <p>1150E w/ KH107 reducer & 25 HP AC motor (220/440V)</p> <p>1550E w/ KH127 reducer & 30 HP AC motor (220/440V)</p>			<p>Control (only available with these models)</p> <p>1 15 HP 240V 750E & 950E only</p> <p>2 15 HP 440V 750E & 950E only</p> <p>3 25 HP 240V 1150E only</p> <p>4 25 HP 440V 1150E only</p> <p>5 30 HP 240V 1550E only</p> <p>6 30 HP 440V 1550E only</p>			
--	--	--	--	--	--	--

<p>Motion</p> <p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>E</p> <p>F</p> <p>G</p>	<p>Stops</p> <p>2</p> <p>3</p> <p>4</p> <p>6</p> <p>8</p> <p>12</p> <p>16</p>	<p>Index Period</p> <p>330</p> <p>330</p> <p>330</p> <p>330</p> <p>330</p> <p>330</p> <p>330</p>	<p>Index Mounting (See Figure 1)</p> <p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>Reducer Ratio</p> <p>750E</p> <p>950E</p> <p>1150E</p> <p>1550E</p> <p>A 14.50 29.00 40.19</p> <p>B 19.95 42.33 54.07</p> <p>C 24.92 49.90 70.95</p> <p>D 31.39 52.17 81.98</p> <p>E 44.02 66.52 89.89</p> <p>F 49.16 73.30 110.18</p> <p>G 63.00 82.61 122.98</p>	<p>Reducer Mounting (See Figure 3)</p> <p>A</p>	<p>Signal Switch</p> <p>M Mechanical</p> <p>P Proximity</p> <p>Example: MS or PS</p> <p>Note about signal switch options:</p> <p>a) Mechanical is a single switch with cam.</p> <p>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.</p>	<p>Signal Switch Side (See Figure 2)</p> <p>S Shaft</p>
--	--	---	---	---	---	--	---

Other Motions (stops and index periods) available. Contact your DESTACO sales representative for more information.

Input Shaft Configuration/Rotations (Figure 1)

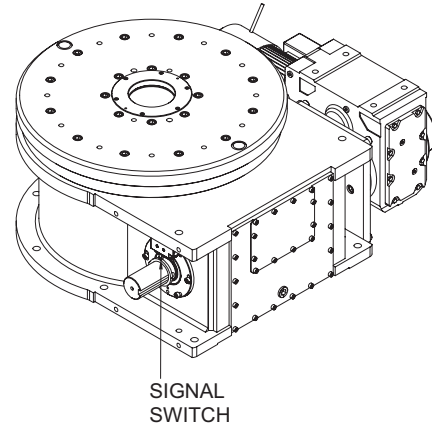


Relative Rotation for Right Hand Cam:

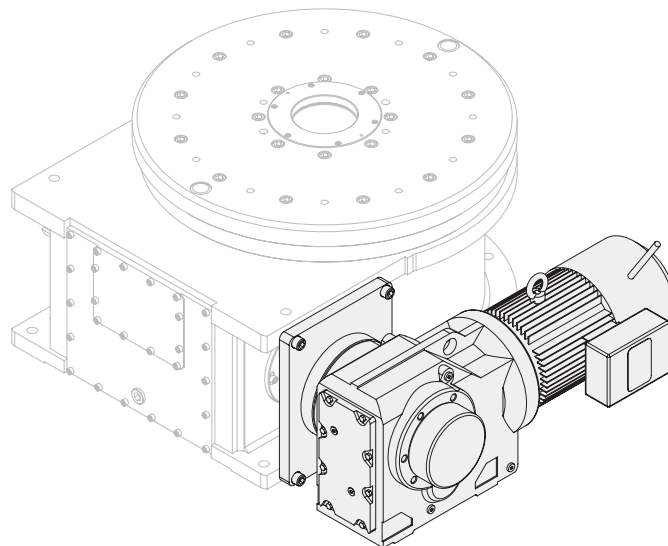
CW Input Side 1 CCW Output
CCW Input Side 2 CW Output

NOTE: Input can be driven in either direction

Signal Switch Mounting Position (Figure 2)

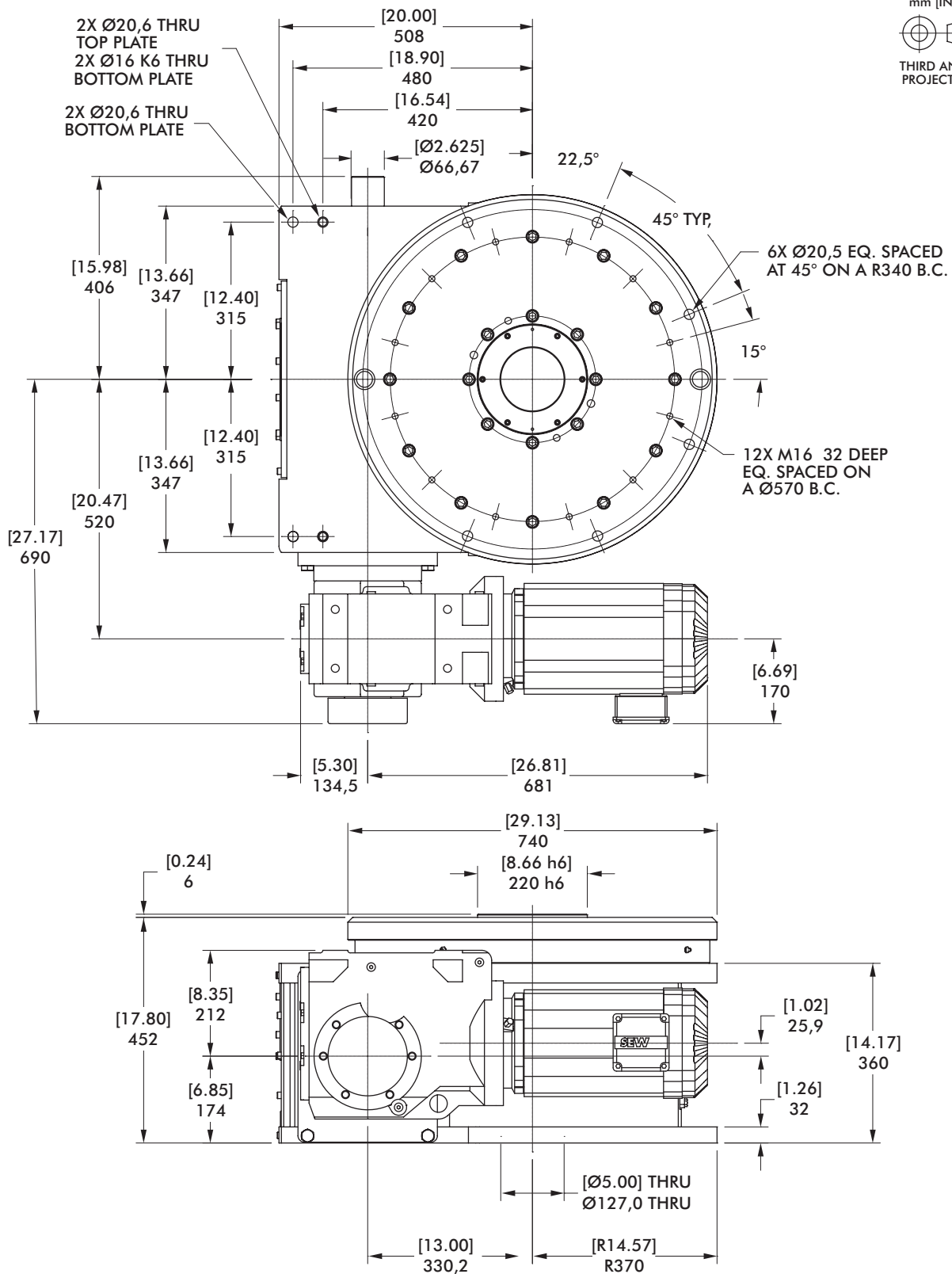


Gear Reducer Mounting Position (Figure 3)



750E SERIES

Heavy Duty Index Drive | Dimensions



Maximum Inertia x 1000 [lb-in ²] kg-cm ² for standard package							
Stops	Motion Time [seconds]						
	0.44	0.59	0.76	0.96	1.35	1.50	1.93
2	[0] 0	[27] 79	[105] 307	[254] 743	[751] 2198	[987] 2888	[1647] 4820
3	[14] 41	[98] 287	[257] 752	[562] 1645	[1577] 4615	[2058] 6023	[3407] 9970
4	[67] 196	[231] 676	[542] 1586	[1140] 3336	[3128] 9154	[4072] 11916	[6714] 19648
6	[191] 559	[542] 1586	[1209] 3538	[2491] 7290	[6756] 19771	[8781] 25697	[14447] 42278
8	[372] 1089	[931] 2724	[1677] 4908	[2841] 8314	[5587] 16350	[6968] 20391	[11444] 33490
12	[886] 2593	[2291] 6704	[4840] 14164	[8195] 23982	[16116] 47162	[20100] 58821	[33010] 96600
16	[1351] 3954	[2717] 7951	[4837] 14155	[8254] 24154	[16263] 47592	[20283] 59356	[33311] 97481
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 (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

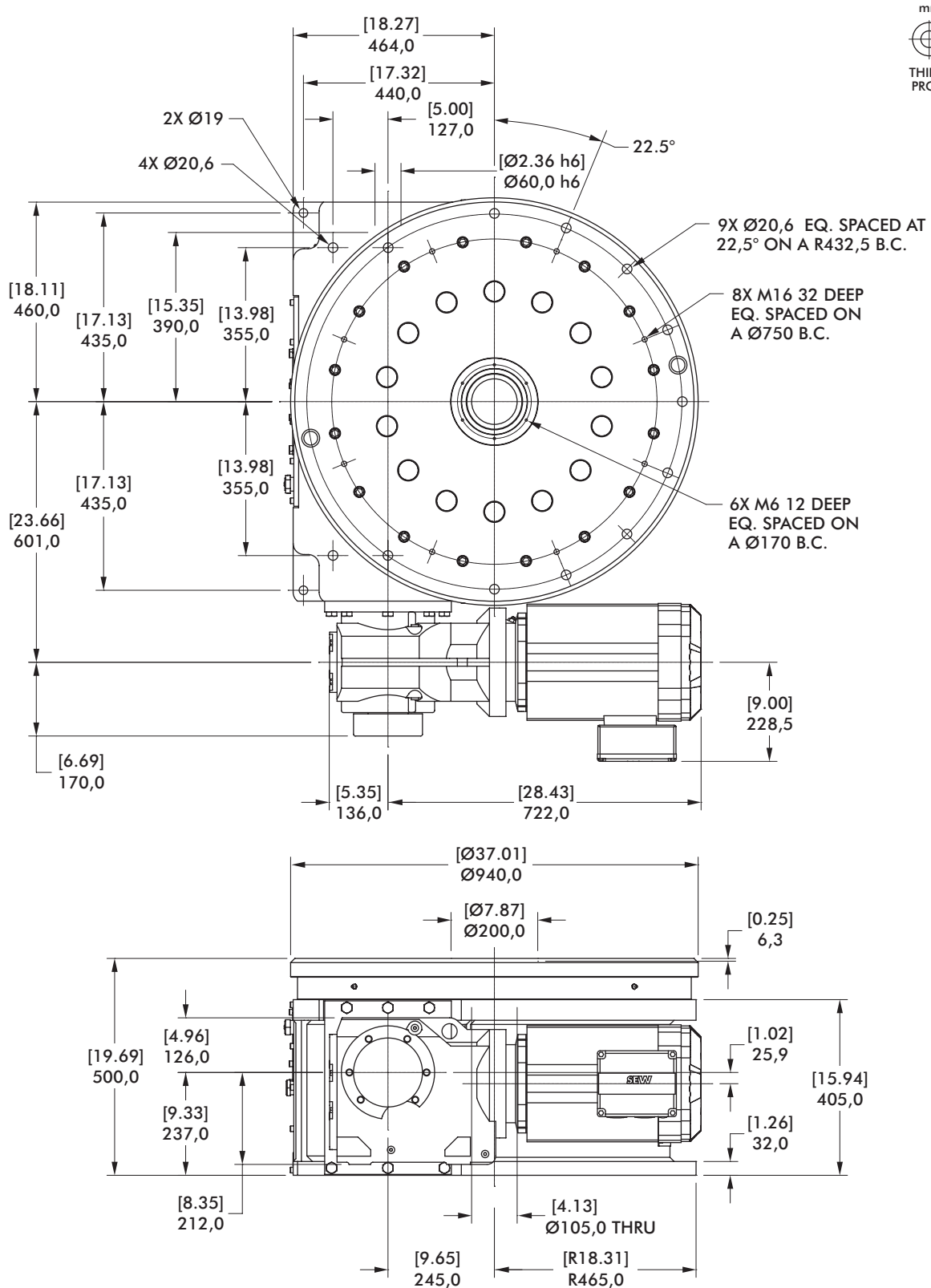
±27 arcsec / ±.0,05 mm [±.002 in]
at 381 mm [15in] Radius

Repeatability

±7 arcsec / ±.0,013 mm [±.0005 in]
at 381 mm [15in] Radius

950E SERIES

Heavy Duty Index Drive | Dimensions



Maximum Inertia x 1000 [lb-in ²] kg-cm ² for standard package							
Stops	Motion Time [seconds]						
	0.44	0.59	0.76	0.96	1.35	1.50	1.93
2	[0] 0	[0] 0	[61] 179	[224] 656	[619] 1811	[833] 2438	[1433] 4194
3	[0] 0	[59] 173	[250] 732	[619] 1811	[1507] 4410	[1989] 5821	[3337] 9765
4	[16] 47	[205] 600	[564] 1650	[1252] 3664	[2911] 8519	[3810] 11150	[6329] 18521
6	[187] 547	[634] 1855	[1479] 4328	[3102] 9078	[7013] 20523	[9135] 26733	[15073] 44110
8	[412] 1206	[1169] 3421	[2603] 7617	[5287] 15472	[11478] 33589	[14315] 41891	[23511] 68803
12	[1025] 3000	[2729] 7986	[5956] 17430	[10793] 31585	[23621] 69124	[30484] 89208	[53172] 155602
16	[1290] 3775	[2647] 7746	[4753] 13909	[8147] 23841	[17305] 50641	[21582] 63157	[35445] 103726
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

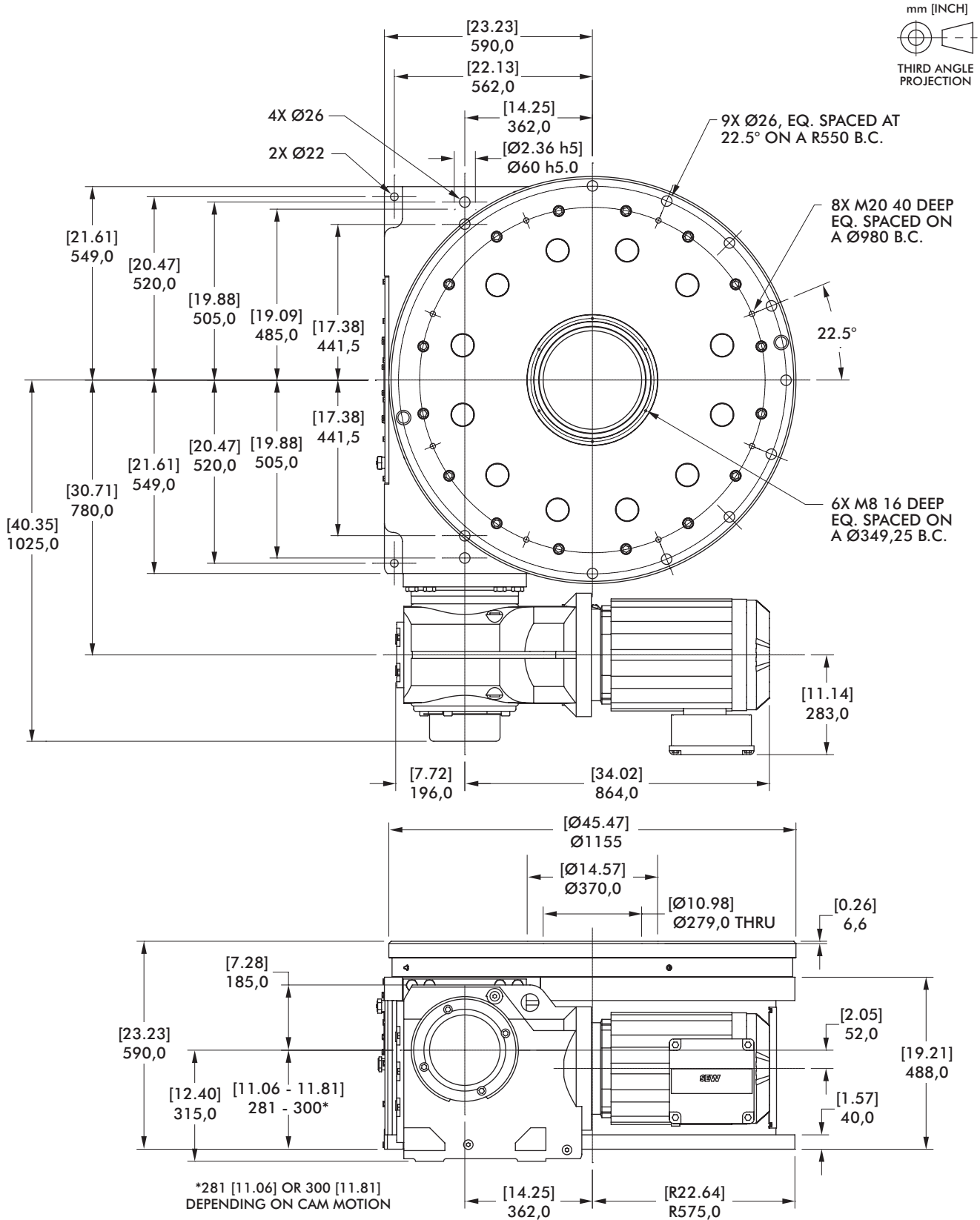
Dial Diameter: 1778 mm to 3556 mm [70 in to 140 in]

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

1150E SERIES

Heavy Duty Index Drive | Dimensions



Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.89	1.29	1.52	1.75	2.03	2.24	2.52
2	[134] 392	[1141] 3339	[2093] 6125	[3329] 9742	[4746] 13889	[5835] 17076	[7501] 21951
3	[698] 2043	[2965] 8677	[5108] 14948	[7887] 23080	[11077] 32416	[13526] 39582	[17275] 50554
4	[1445] 4229	[5474] 16019	[9284] 27169	[14225] 41628	[19896] 58224	[24249] 70962	[30915] 90470
6	[3780] 11062	[12845] 37590	[21419] 62680	[32537] 95216	[45296] 132554	[55090] 161215	[70088] 205105
8	[6581] 19259	[21959] 64261	[36502] 106819	[54381] 159140	[73624] 215453	[89397] 261611	[113548] 332286
12	[15621] 45713	[50221] 146967	[82944] 242727	[123772] 362206	[167569] 490373	[203468] 595428	[258436] 756286
16	[27975] 81866	[61083] 178753	[84884] 248404	[111420] 326059	[150846] 441435	[183162] 536005	[232645] 680812
Reducer Ratio							
	29.00	42.33	49.90	57.17	66.52	73.30	82.61

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

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

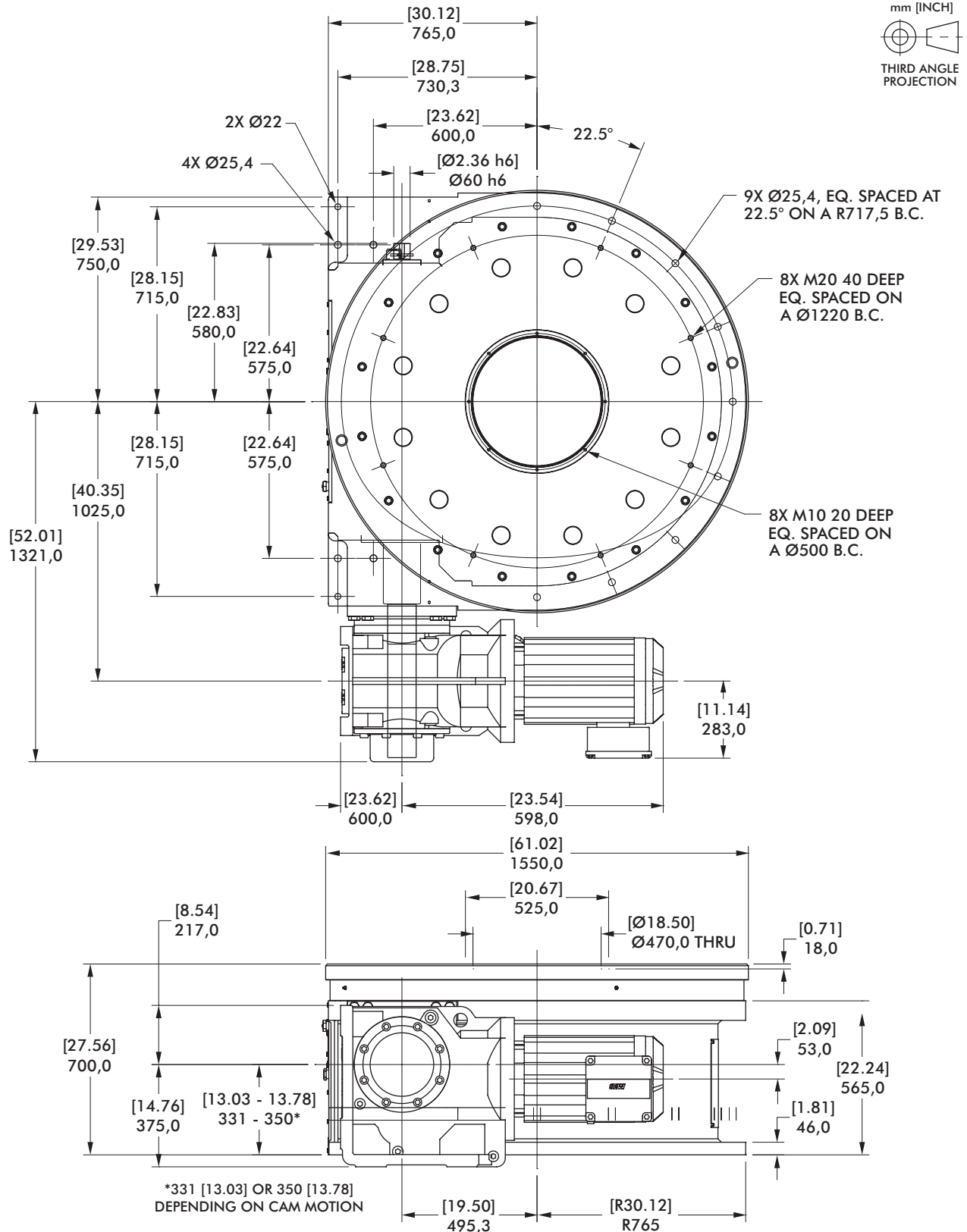
±16 arcsec / ±0,05 mm [±.002 in]
at 635 mm [25in] Radius

Repeatability

±4 arcsec / ±0,013 mm [±.0005 in]
at 635 mm [25in] Radius

1550E SERIES

Heavy Duty Index Drive | Dimensions



Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	1.23	1.65	2.17	2.50	2.75	3.37	3.74
2	[0] 0	[1926] 5636	[6208] 18167	[10388] 30399	[13740] 40209	[21944] 64217	[26735] 78237
3	[1811] 5300	[6814] 19940	[17561] 51390	[28054] 82097	[36466] 106714	[57057] 166971	[69084] 202167
4	[4396] 12864	[13172] 38546	[32028] 93727	[50439] 147605	[65198] 190795	[101324] 296514	[122426] 358267
6	[11290] 33039	[30132] 88178	[70615] 206647	[110143] 322322	[141829] 415048	[219391] 642025	[264696] 774605
8	[22185] 64922	[57289] 167650	[132712] 388368	[195668] 572602	[235249] 688432	1034294 [353436]	[436753] 1278112
12	146334 [50005]	366888 [125372]	[287302] 840760	1303461 [445415]	1674364 [572159]	2582270 [882406]	3038949 [1038461]
16	263112 [89910]	603493 [206224]	1039120 [355085]	1387320 [474071]	1667952 [569968]	2505914 [856314]	3038949 [1038461]
Reducer Ratio							
	40.19	54.07	70.95	81.98	89.89	110.18	122.48

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

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

PRECISION INDEXING SOLUTIONS

Table of Contents

INDEXERS

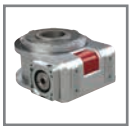
Servo Positioners



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



PGM Series
Parallel Gear Servo Positioner...IN-SRV-19



RSD Series
Rotary Servo Drives.....IN-SRV-25

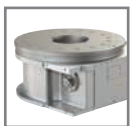
Mechanical Indexers



RDM Series
Rotary Index Drive IN-MCH-1



RD Series
Roller Dial Index Drive..... IN-MCH-42



E Series
Heavy-Duty Index Drive IN-MCH-54



RA Series
Right Angle Index Drive IN-MCH-66



RGD/RGS Series
Roller Gear Index Drive IN-MCH-76



P Series
Parallel Shaft/Flange Drive.... IN-MCH-96



RNG Series
Ring Drive Dial Indexer.. IN-MCH-108

OVERLOAD CLUTCHES



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

CUSTOM CAMS

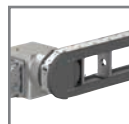


Custom Cams
Cam Design Solutions IN-CAM-1

CONVEYORS



Rite-Link Series
Thin-Profile..... IN-CNV-1



Precision Link Series
Table-Top IN-CNV-4



Precision Link Series
Heavy-Duty IN-CNV-16

PARTS HANDLERS



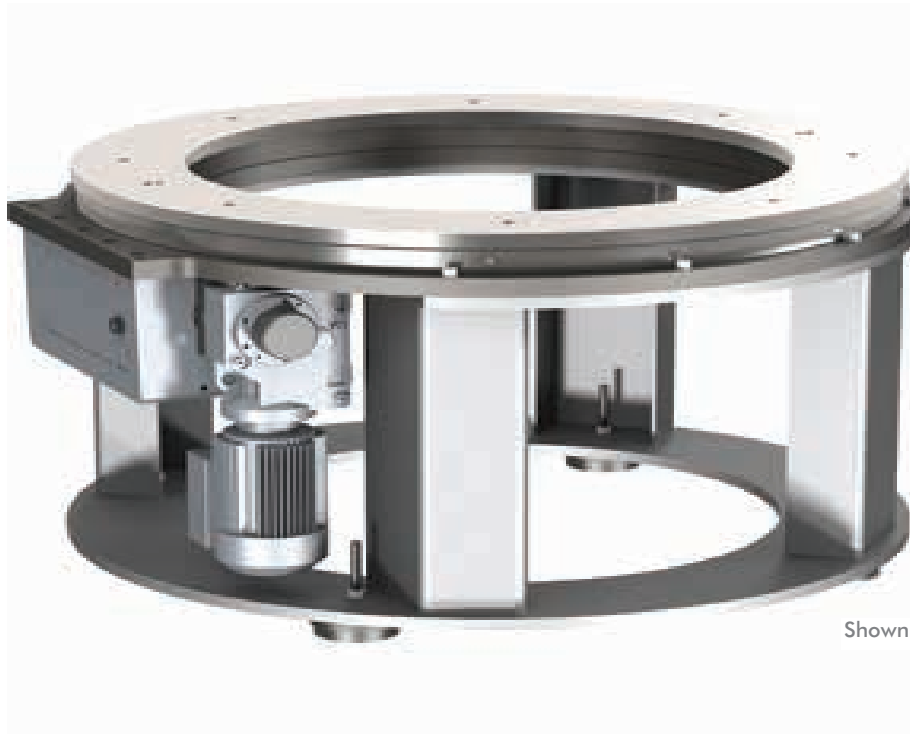
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

RING DRIVE DIAL INDEXER

Features | How To Order



Shown with optional base

Work from Within

The CAMCO Ring Drive offers easy-to-integrate automation that fits easily into your operations.

Minimize machine footprint: Mount your equipment inside the through-hole of the CAMCO Ring Drive.

Easily tool the ring drive: Attach fixtures directly to the dial ring, eliminating the need for an additional dial plate.

Best technical support and service: Worldwide access to our global network.

Applications

Printing and decorating machines

Rotary automatic assembly machines

Ideal for assembly systems requiring a large number of tooling stations

The Ring Drive can replace a small conveyor

Table of Contents

How to Order	109
750RNG	111
1100RNG	113
1550RNG	115

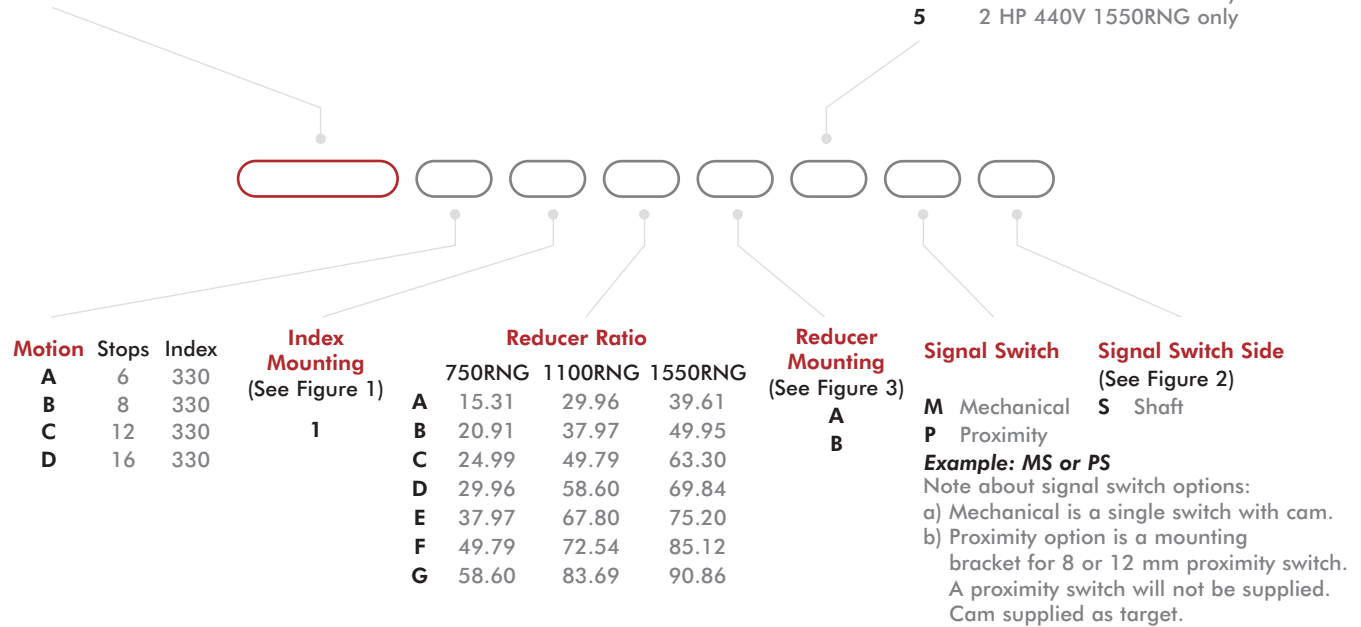
Licensed under U.S. Patent No. 5,950,503

RNG SERIES

Ring Drive Dial Indexer | Features and Benefits | How to Order

Base Model	Description
750RNG	w/ KH37 reducer & 1 HP AC motor (220/440V)
1100RNG	w/ KH37 reducer & 1 HP AC motor (220/440V)
1550RNG	w/ KH37 reducer & 1-1/2 HP AC motor (220/440V)

Control	Description
1	1 HP 120V 750RNG & 1100RNG only
2	1 HP 240V 750RNG & 1100RNG only
3	1 HP 440V 750RNG & 1100RNG only
4	2 HP 240V 1550RNG only
5	2 HP 440V 1550RNG only



Motion	Stops	Index
A	6	330
B	8	330
C	12	330
D	16	330

Index Mounting (See Figure 1)
1

	Reducer Ratio		
	750RNG	1100RNG	1550RNG
A	15.31	29.96	39.61
B	20.91	37.97	49.95
C	24.99	49.79	63.30
D	29.96	58.60	69.84
E	37.97	67.80	75.20
F	49.79	72.54	85.12
G	58.60	83.69	90.86

Reducer Mounting (See Figure 3)
A
B

Signal Switch	Signal Switch Side (See Figure 2)
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.

Ring Drive Features

Great Design Flexibility

Available in three sizes (Ø): .75 m [29.53 in], 1.1 m [43.31 in] and 1.6 m [62.99 in]

Complete motorized drive package with reducer and AC inverter drive to suit most applications

Dial Ring can be removed for machining to mounting your tooling and fixtures.

Large center through-hole to accommodate auxiliary equipment

60 station capability, ideal for multiple part automatic assembly machines

Steel Dial Ring or optional Aluminum Ring

Broad range of motions/drive packages

Robust And Reliable

Superior accuracy, similar to a precision link conveyor - your work station is located over the cam for maximum accuracy.

High precision, hardened cams available in standard and special motions

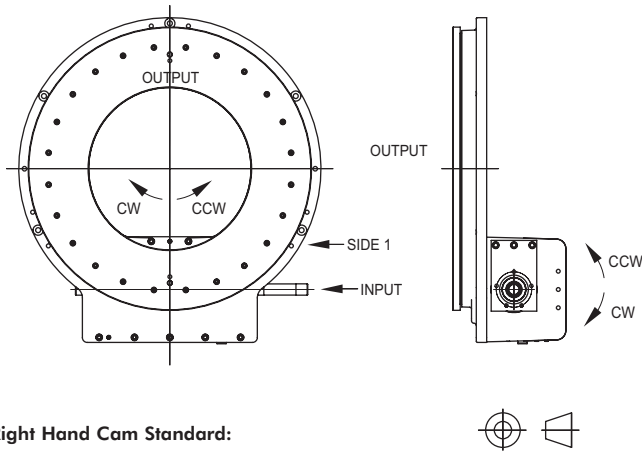
Sealed 4-point contact output bearing and large cam followers for superior accuracy and load capability (models 750RNG, 1100RNG and 1550RNG)

Modular shaft-mounted reducers for application flexibility and easy maintenance

Access to cam followers for easy inspection and replacement

Tapered roller bearings on camshaft

Input Shaft Configuration/Rotations (Figure 1)



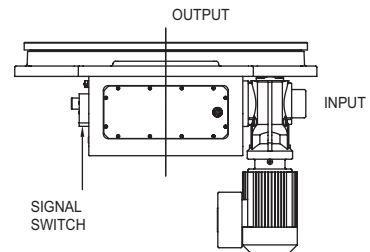
Right Hand Cam Standard:

CW Input Side 1, CCW Output

CCW Input Side 1, CW Output

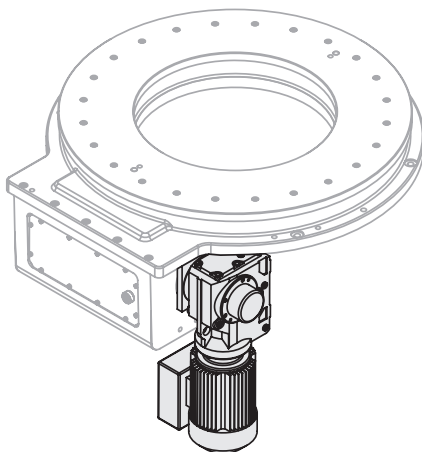
NOTE: Input can be driven in either direction

Signal Switch Mounting Position (Figure 2)

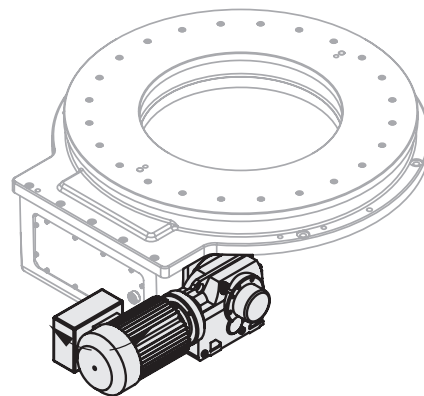


Gear Reducer Mounting Positions (Figure 3)

MOUNTING "A"

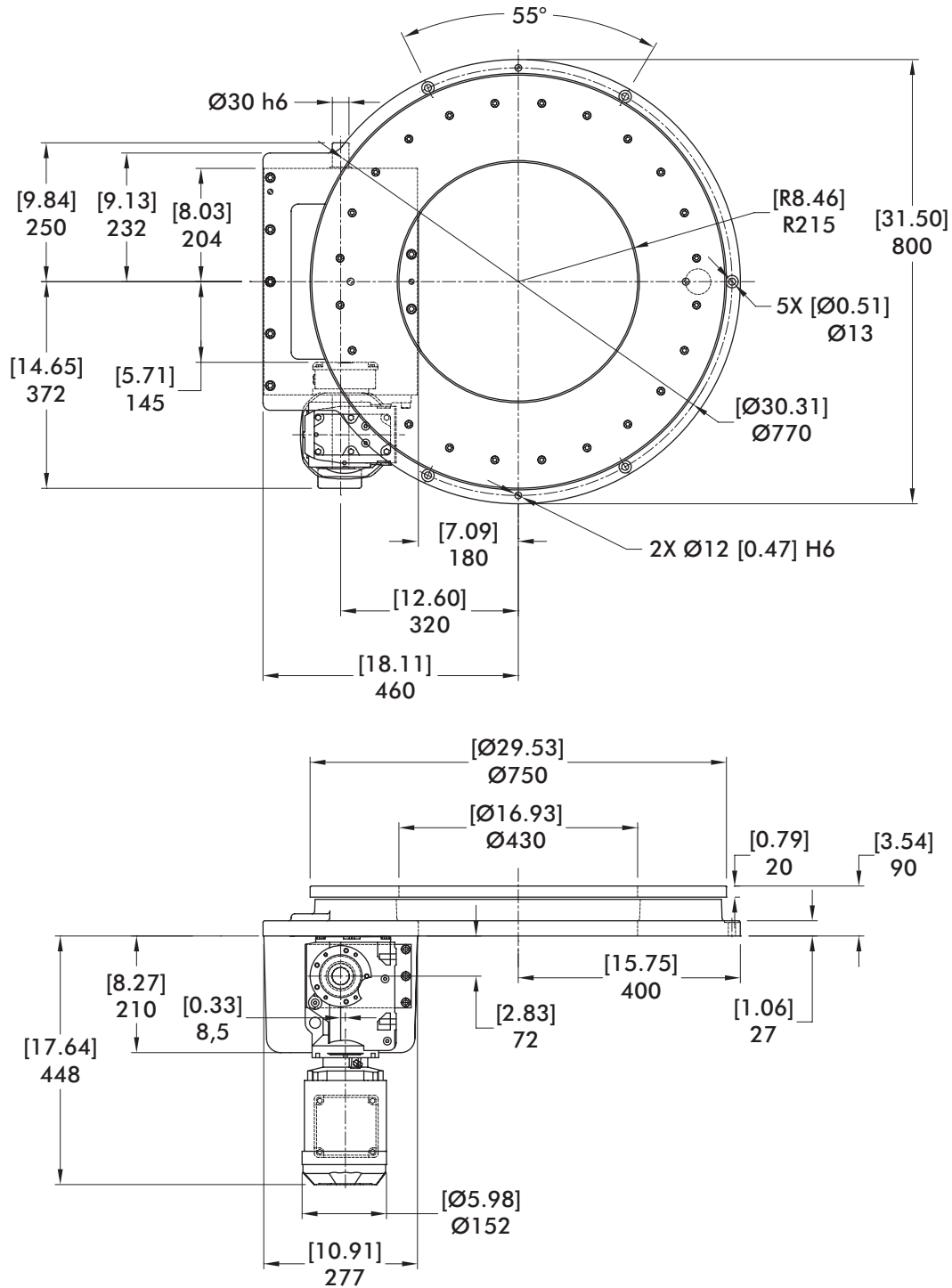


MOUNTING "B"



750RNG SERIES

Ring Drive Dial Indexer | Dimensions



mm [INCH]



THIRD ANGLE
PROJECTION

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.468	0.617	0.764	0.915	1.160	1.521	1.791
6	0 [0]	50 [17]	170 [58]	363 [124]	855 [292]	1653 [565]	2315 [791]
8	9 [3]	138 [47]	354 [121]	696 [238]	1571 [537]	2991 [1022]	4167 [1424]
12	105 [36]	392 [134]	878 [300]	1650 [564]	3620 [1237]	6813 [2328]	9461 [3233]
16	237 [81]	746 [255]	1610 [550]	2982 [1019]	6488 [2217]	12162 [4156]	16871 [5765]
Reducer Ratio							
	15.31	20.19	24.99	29.96	37.97	49.79	58.60

Features

- KH37 Reducer (Ratios from 15.31:1 to 58.6:1)
- 1 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø230 mm [Ø9.05 in])
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Bearing Capacity (loads carried during index):

Radial	25740 N [5580 lbs]
Axial	64020 N [14550 lbs]
Moment	6915 N-m [61200 in-lbs]

Accuracy ±60 arcsec / ±0,047 mm [±.0019 in] at 324 mm [12.75 in] Radius

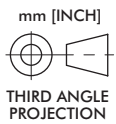
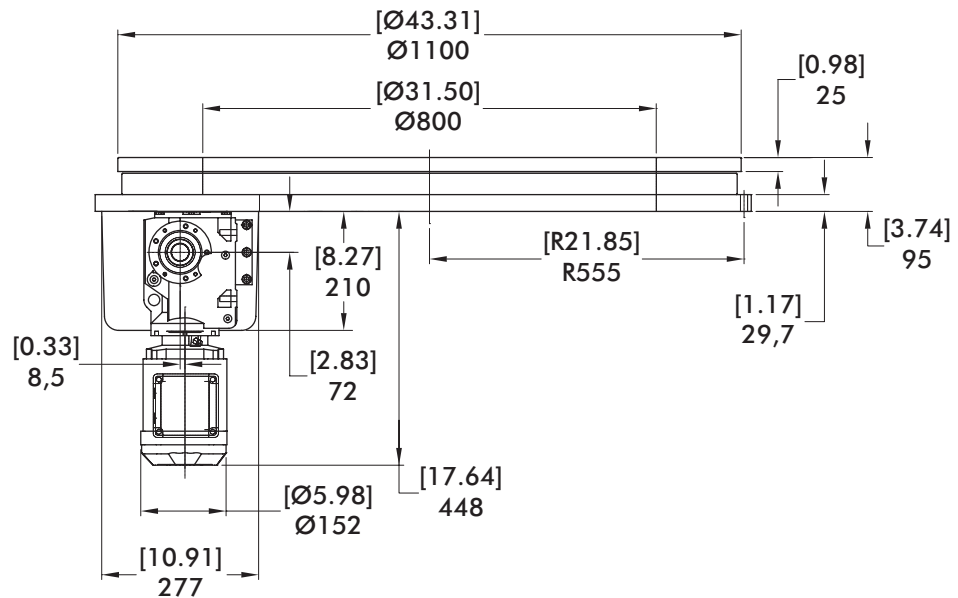
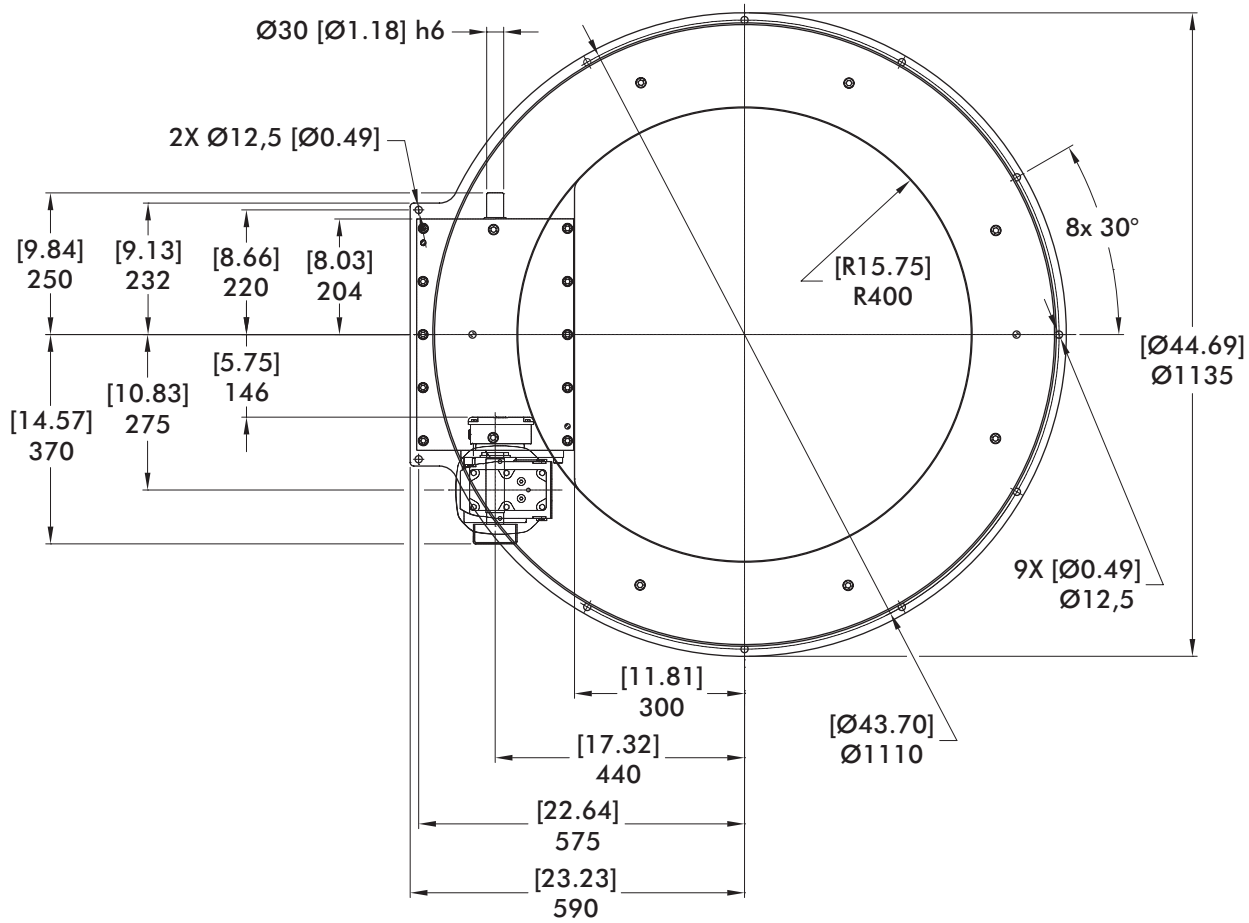
Repeatability ±15 arcsec / ±0,012 mm [±.0005 in] at 324 mm [12.75 in] Radius

Optional Accessories

- KH47 Reducer
- 2 HP AC Drive Package with Inverter Duty Motor and Commander SK AC Drive (up to 60 cpm)
- Dual Cam and Limit Switch
- Left Hand Cam
- AC brake Motor
- Aluminum dial ring
- Servo motor drive package with precision planetary reducer for applications requiring flexibility or fewer than 6 stations
- Custom dials & tooling plates
- Machined base (see pg. IN-MCH-84)

1100RNG SERIES

Ring Drive Dial Indexer | Dimensions



1100RNG SERIES

Ring Drive Dial Indexer | Features | Optional Accessories | Technical Information

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	0.915	1.359	1.521	1.791	2.072	2.217	2.557
6	164 [56]	1106 [378]	1454 [497]	2119 [724]	2923 [999]	3386 [1157]	4594 [1570]
8	497 [170]	2174 [743]	2792 [954]	3971 [1357]	5405 [1847]	6224 [2127]	8372 [2861]
12	1451 [496]	5221 [1784]	6614 [2260]	9262 [3165]	12490 [4268]	14336 [4899]	19168 [6550]
16	2783 [951]	9484 [3241]	11963 [4088]	16672 [5697]	22407 [7657]	25688 [8778]	34280 [11714]
Reducer Ratio							
	29.96	37.97	49.79	58.60	67.80	72.54	83.69

Features

- KH37 Reducer (Ratios from 29.96:1 to 83.69:1)
- 1 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø800 mm [Ø31.50 in])
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Bearing Capacity (loads carried during index):

Radial	159940 N [36350 lbs]
Axial	72829 N [16552 lbs]
Moment	16879 N-m [149376 in-lbs]

Accuracy ±35 arcsec / ±0,038 mm [±.0015 in] at 448 mm [17.65 in] Radius

Repeatability ±9 arcsec / ±0,010 mm [±.0004 in] at 448 mm [17.65 in] Radius

Optional Accessories

- KH47 Reducer
- 2 HP AC Drive Package with Inverter Duty Motor and Commander SK AC Drive (up to 60 cpm)
- Dual Cam and Limit Switch
- Left Hand Cam
- AC brake Motor
- Aluminum dial ring
- Servo motor drive package with precision planetary reducer for applications requiring flexibility or fewer than 6 stations
- Custom dials & tooling plates
- Machined base (see pg. IN-MCH-84)

Maximum Inertia x 1000 kg-cm ² [lb-in ²] for standard package							
Stops	Motion Time [seconds]						
	1.210	1.496	1.934	2.134	2.298	2.601	2.776
6	679 [232]	2242 [766]	5063 [1730]	6380 [2180]	7556 [2582]	9964 [3405]	11495 [3928]
8	1984 [678]	4764 [1628]	9780 [3342]	12121 [4142]	14214 [4857]	18495 [6320]	21211 [7248]
12	5718 [1954]	11972 [4091]	23253 [7946]	28527 [9748]	33232 [11356]	42863 [14647]	48979 [16737]
16	10954 [3743]	22071 [7542]	42125 [14395]	51499 [17598]	59868 [20458]	76985 [26307]	87859 [30023]
Reducer Ratio							
	39.61	48.95	63.30	69.84	75.20	85.12	90.86

Features

- KH47 Reducer (Ratios from 39.61:1 to 90.866:1)
- 2 HP AC Drive Package with Inverter Duty Motor and IM-pAC AC Drive (up to 60 cpm)
- Double Extended Camshaft (Input Shaft)
- Center Thru Hole (Ø1210 mm [Ø47.64 in])
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Bearing Capacity (loads carried during index):

Radial	239052 N [54330 lbs]
Axial	76635 N [17417 lbs]
Moment	25720 N-m [227622 in-lbs]

Accuracy ±25 arcsec / ±0,039 mm [±.0015 in] at 648 mm [25.51 in] Radius

Repeatability ±6 arcsec / ±0,010 mm [±.0004 in] at 648 mm [25.51 in] Radius

Optional Accessories

- Dual Cam and Limit Switch
- Left Hand Cam
- AC brake Motor
- Aluminum dial ring
- Servo motor drive package with precision planetary reducer for applications requiring flexibility or fewer than 6 stations
- Custom dials & tooling plates
- Machined base (see pg. IN-MCH-84)