

PRECISION INDEXING SOLUTIONS

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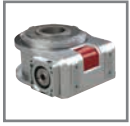
Servo Positioners



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



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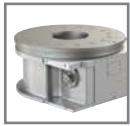
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OVERLOAD CLUTCHES



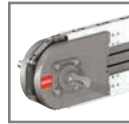
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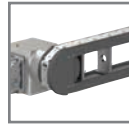


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PARTS HANDLERS



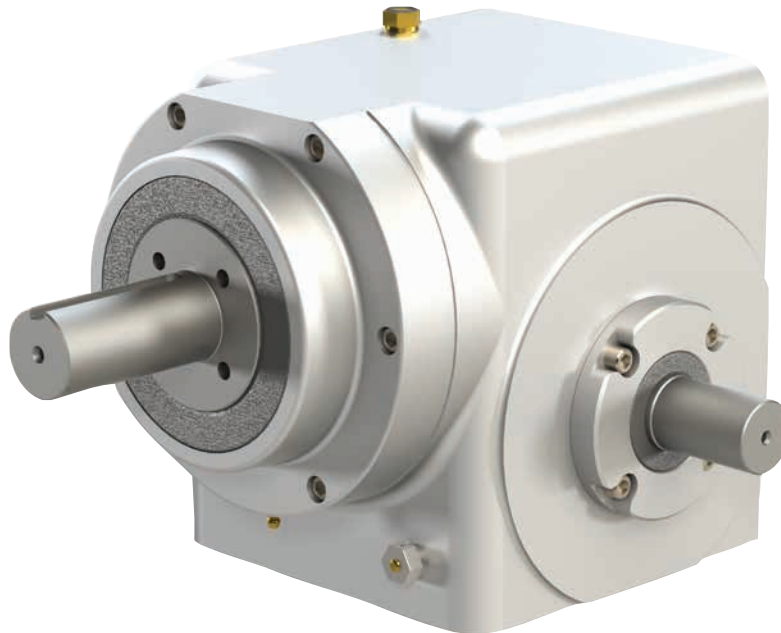
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RIGHT ANGLE INDEX DRIVES

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Features:

CAMCO Right Angle Index Drives are ideal for dial applications or actuation-type applications such as driving a linkage or in-line conveyor.

Fixed center distance between input and output

Hardened, ground barrel cam

Compact design requiring minimum use of floor space.

Preloaded “rib-centered” design with modified-sine motion provides smooth acceleration and deceleration with precision positioning.

Universal mounting available on RA models.

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RA SERIES

Right Angle Index Drive | How to Order

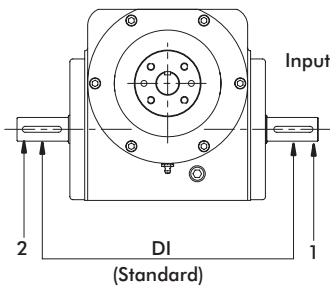
Indexer Ordering Procedure

1. Model
2. Input Shaft Configuration
 - Side 1
 - Side 2
 - Double Input – DI (Standard)
4. Indexer Mounting Position: 1-6
5. Indexer Housing Mounting Holes: Side 1-6
(more than one side can be selected)

Reducer Ordering Procedure

1. Model
2. Ratio: 5:1, 10:1, 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 60:1
3. Motor Adapter
4. Reducer Input Shaft Extension:
Single Input (SE) or Double Input (DE)
5. Mounting (see diagram below)

Input Shaft Configuration (Top View)

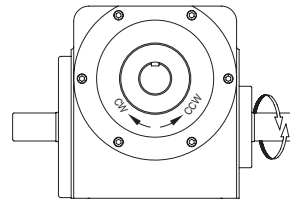


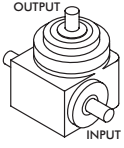
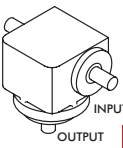
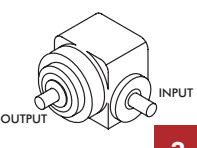
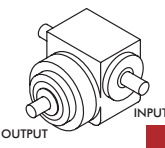
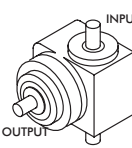
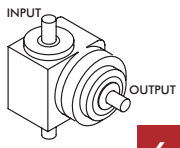
Relative Rotation for Right Hand Cam:

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

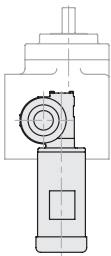
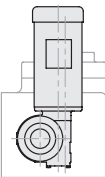
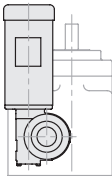
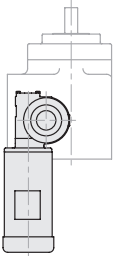
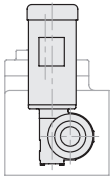
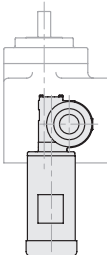
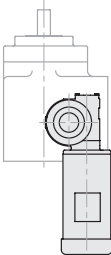
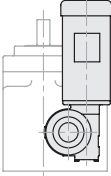
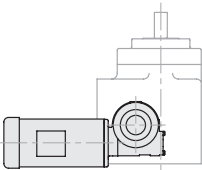
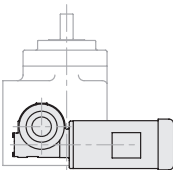
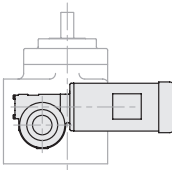
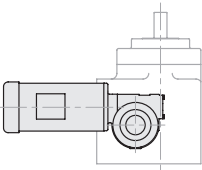
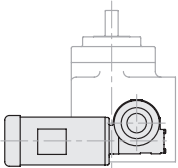
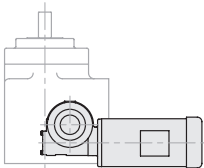
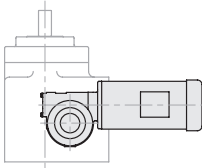
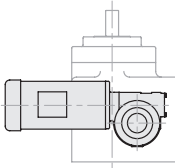
NOTE: Input can be driven in either direction

Input Shaft Rotation



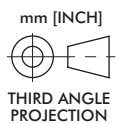
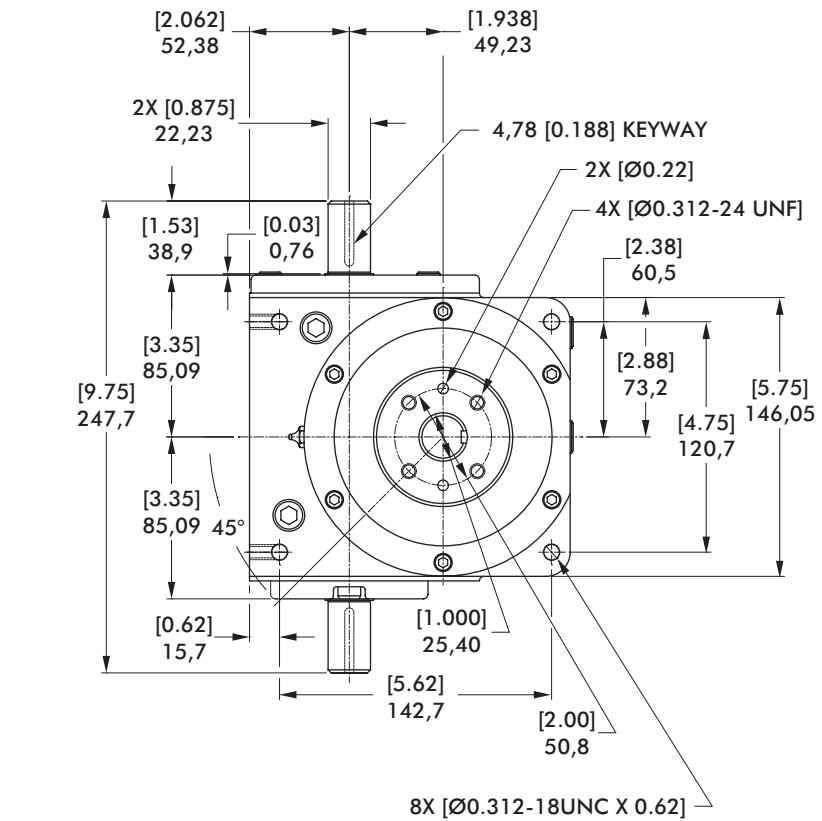
OVOI (output vertical, over input)	OVUI (output vertical, under input)	OHOI (output horizontal, over input)	OHUI (output horizontal, under input)	H-S1-UP (output horizontal, side 1 up)	H-S2-UP (output horizontal, side 2 up)
 1	 2	 3	 4	 5	 6

Gear Reducer Mounting Positions

Mounting "A"				Mounting "B"			
	RH	LH		RH	LH		
SIDE 1	 A	 B		 C	 D		
SIDE 2	 E	 F		 G	 H		
Mounting "C"				Mounting "D"			
	RH	LH		RH	LH		
SIDE 1	 J	 K		 L	 M		
SIDE 2	 N	 P		 R	 S		

400RA SERIES

Right Angle Index Drive | Dimensions



400RA Indexer Capacities					
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model
2	330	ms	67 [595]	44 [15]	400RA2H20-330
3	270	ms	180 [1591]	44 [15]	400RA3H24-270
4	270	ms	210 [1858]	44 [15]	400RA4H24-270
	180	ms	237 [2098]	44 [15]	400RA4H24-180
6	270	ms	193 [1711]	44 [15]	400RA6H24-270
	120	ms	229 [2024]	44 [15]	400RA6H24-120
8	270	ms	224 [1987]	44 [15]	400RA8H24-270
	120	ms	266 [2354]	44 [15]	400RA8H24-120
12	270	ms	146 [1290]	44 [15]	400RA12H20-270
	120	ms	177 [1568]	44 [15]	400RA12H20-120
16	270	ms	161 [1426]	44 [15]	400RA16H20-270 II
	180	ms	333 [2947]	44 [15]	400RA16H24-180 II
24	270	ms	185 [1640]	44 [15]	400RA24H20-270 II
	180	ms	214 [1894]	44 [15]	400RA24H20-180 II

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)
- 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	3603 N [810 lbs]
Thrust/Axial	6254 N [1406 lbs]
Moment	183 N-m [1620 in-lb]

Accuracy ±48 arcsec / ±0,178 mm [±.0007 in] at 76,2 [3 in] Radius

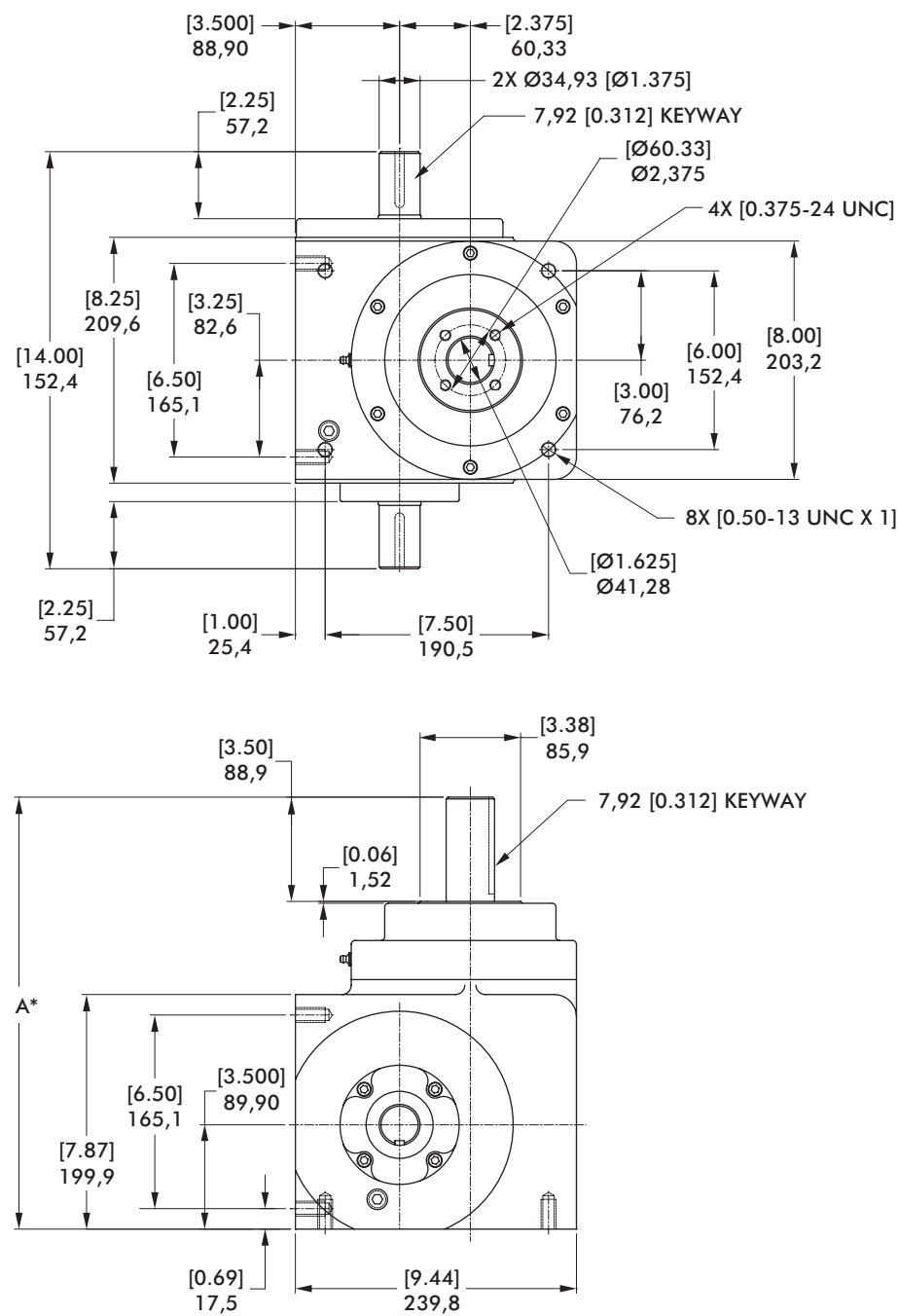
Repeatability ±12 arcsec / ± 0,051 mm [±.0002 in] at 76,2 [3 in] Radius

Optional Accessories

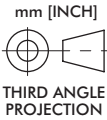
- 1/3 hp DC motor
- R225 Reducer (ratios from 10:1 to 60:1)
 - 1 hp DC Motor
 - 56C Motor Adapter and Coupling
- Varipak DC Motor Control (up to 30 cpm)
- Output Overload Clutch Models: 2.3F, 2.3FC, 2.3S, 2.3C, 2.3FC-SD, 2.3S-SD, 2.3C-SD
 - Available Settings (in-lb): 400, 600, 700, 850, 1000, 1300, 1800, 2000, 2300
- Dual Cycle Cam and Limit Switch
- Finished cover for ceiling mount or tooling plate mounting
- Left Hand Cam
- Relief in Dwell for shot-pin applications

512RA SERIES

Right Angle Index Drive | Dimensions



*See table on top of page 8 for dimensions



512RA Indexer Capacities						
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	A
2	270	msc.33	233 [2061]	132 [45]	512RA2H32-270 MSC.33	379,2 [14.93]
3	270	ms	267 [2360]	132 [45]	512RA3H32-270	368,3 [14.50]
	180	msc.33	322 [2852]	132 [45]	512RA3H32-180 MSC 0.33	379,2 [14.93]
4	270	ms	306 [2710]	132 [45]	512RA4H32-270	368,3 [14.50]
	120	msc.33	412 [3648]	132 [45]	512RA4H32-120 MSC 0.33	379,2 [14.93]
6	270	ms	295 [2613]	132 [45]	512RA6H32-270	368,3 [14.50]
	120	ms	359 [3179]	132 [45]	512RA6H32-120	368,3 [14.50]
8	270	ms	358 [3172]	132 [45]	512RA8H32-270	368,3 [14.50]
	120	ms	430 [3802]	132 [45]	512RA8H32-120	368,3 [14.50]
12	270	ms	309 [2738]	132 [45]	512RA12H28-270	368,3 [14.50]
	120	ms	359 [3176]	132 [45]	512RA12H28-120	379,2 [14.93]

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

Features

- R225 Reducer (ratios from 10:1 to 60:1)
– 56C Motor Adapter and Coupling
- Double Extended Camshaft (Input Shaft)
- 1 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	8834 N [1,986 lbs]
Thrust/Axial	10129 N [2,277 lbs]
Moment	785 N-m [6,951 in-lb]

Accuracy

±37 arcsec / ±0,028 mm [±.0011 in]
at 152,4 [6 in] Radius

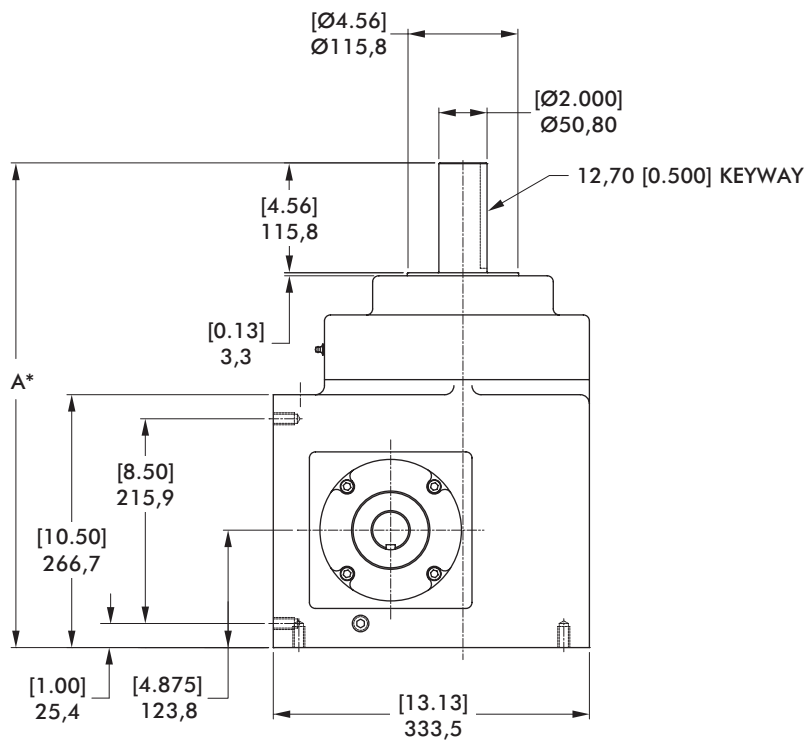
Repeatability

±9 arcsec / ± 0,008 mm [±.0003 in]
at 152,4 [6 in] Radius

Optional Accessories

- 1 hp DC motor
- Varipak DC Motor Control (up to 30 cpm)
- Output Overload Clutch Models: 6.0F, 6.0FC, 6.0S and 6.0C, 6.0C-SD, 6.0FC-SD, 6.0S-SD
– Available Settings (in-lb): 670, 825, 1100, 1400, 1700, 2000, 2300, 2500, 3000, 3800, 4000, 5000, 6000
- Dual Cycle Cam and Limit Switch
- Finished cover for ceiling mount or tooling plate mounting
- Left Hand Cam
- Relief in Dwell for shot-pin applications

Right Angle Index Drive | Dimensions



mm [INCH]



THIRD ANGLE
PROJECTION

512RA Indexer Capacities						
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	A
2	270	msc.33	738 [6534]	503 [172]	512RA2H32-270 MSC.33	379,2 [14.93]
3	270	ms	668 [5913]	495 [169]	512RA3H32-270	368,3 [14.50]
	180	msc.33	694 [6146]	495 [169]	512RA3H32-180 MSC 0.33	379,2 [14.93]
4	270	ms	780 [6903]	503 [172]	512RA4H32-270	368,3 [14.50]
	120	msc.33	876 [7751]	503 [172]	512RA4H32-120 MSC 0.33	379,2 [14.93]
6	270	ms	648 [5734]	495 [169]	512RA6H32-270	368,3 [14.50]
	120	ms	853 [7551]	495 [169]	512RA6H32-120	368,3 [14.50]
8	270	ms	812 [7187]	503 [172]	512RA8H32-270	368,3 [14.50]
	120	ms	1015 [8987]	503 [172]	512RA8H32-120	368,3 [14.50]
12	270	ms	509 [4504]	483 [165]	512RA12H28-270	368,3 [14.50]
	120	ms	625 [5536]	483 [165]	512RA12H28-120	379,2 [14.93]

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

Features

- 7300C Reducer (ratios from 5:1 to 60:1)
 - Motor Adapter and Coupling
- Double Extended Camshaft (Input Shaft)
- 1 or 2 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Varipak DC Motor Control (up to 30 cpm)
- Cycle Cam and Limit Switch Mounted to Camshaft
- Right Hand Cam

Output Load Capacity (loads carried during index):

Radial	12642 N [2842 lbs]
Thrust/Axial	23304 N [5239 lbs]
Moment	334 N-m [2959 in-lb]

Accuracy

±36 arcsec / ±0,025 mm [±.001 in]
at 152,4 [6 in] Radius

Repeatability

±9 arcsec / ± 0,008 mm [±.0003 in]
at 152,4 [6 in] Radius

Optional Accessories

- 1 hp DC motor
- 7350C Reducer (ratios from 5:1 to 60:1)
 - Motor Adapter and Coupling
- 2 hp DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Output Overload Clutch Models: 11F, 11FC, 11FC-SD
 - Available Settings (in-lb): 2300, 4000, 6000, 8500, 11,000
- Dual Cycle Cam and Limit Switch
- Finished cover for ceiling mount or tooling plate mounting
- Left Hand Cam
- Relief in Dwell for shot-pin applications

PRECISION INDEXING SOLUTIONS

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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

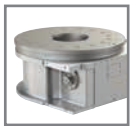
Mechanical Indexers



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

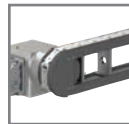


Custom Cams
Cam Design Solutions IN-CAM-1

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 GEAR INDEX DRIVE

Precision Indexing | Table of Contents



Features:

The **CAMCO Roller Gear Index Drives** are robust, versatile units suitable for a wide variety of applications.

Available with a flange (RGD) or shaft (RGS) output

All six surfaces are machined for universal mounting

Optional center thru-hole in flange version facilitates passage of electrical wiring, pneumatic lines or mechanical linkages

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

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500RGD/500RGS	91
600RGD/600RGS	93

RGD/RGS SERIES

Roller Gear Index Drive | How To Order

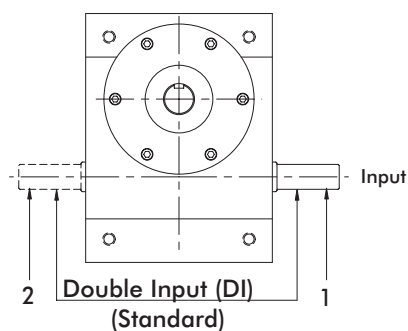
Indexer Ordering Procedure

1. Model
 2. Input Shaft Configuration
 - Side 1
 - Side 2
 - Double Input – DI (Standard)
 3. Cam Lead (Helix)
 - Right Hand (Standard)
 - Left Hand
- NOTE: Input may rotate in either direction to achieve desired direction of output rotation.
4. Indexer Mounting Position: 1-6
 5. Indexer Housing Mounting Holes: Side 1-6 (more than one side can be selected)

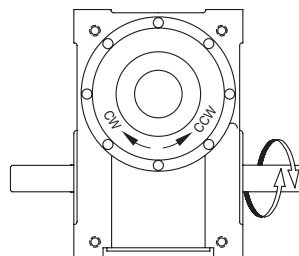
Reducer Ordering Procedure

1. Model
2. Ratio
 - 10:1, 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 60:1
3. Motor Adapter
4. Reducer Input Shaft Extension
 - Single Input (SE) or Double Input (DE)
5. Mounting
 - Mounting Position A, B, C, or D
 - Mounted on Indexer Side 1 or Side 2
6. Input Shaft Orientation
 - Left or Right (See Diagram Below)

Input Shaft Configuration (Top View)



Input Shaft Rotation

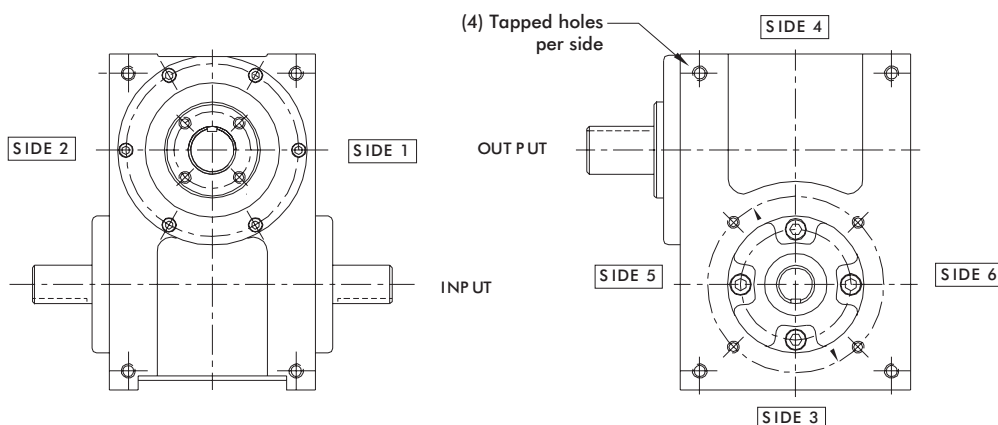


Relative Rotation for Right Hand Cam:

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

NOTE: Input can be driven in either direction

Indexer Housing Mounting Holes

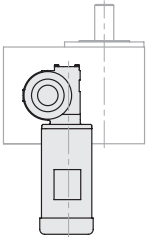
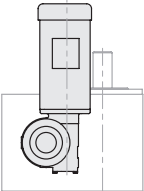
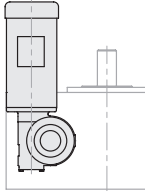
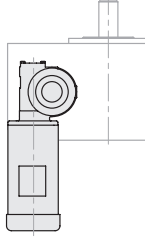
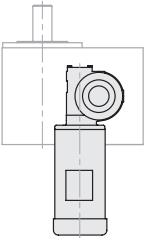
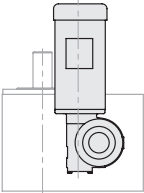
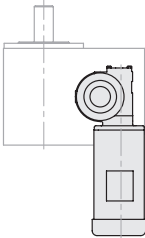
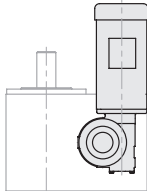
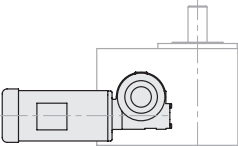
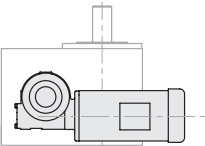
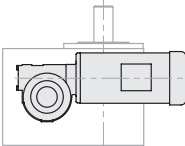
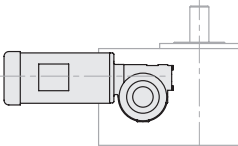
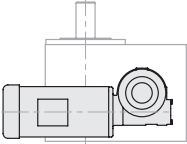
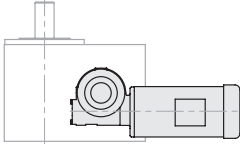
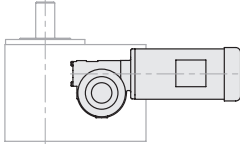
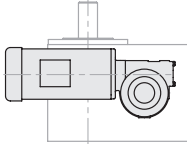


RGD/RGS SERIES

Roller Gear Index Drive | Indexer Mounting Position

OVUI (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

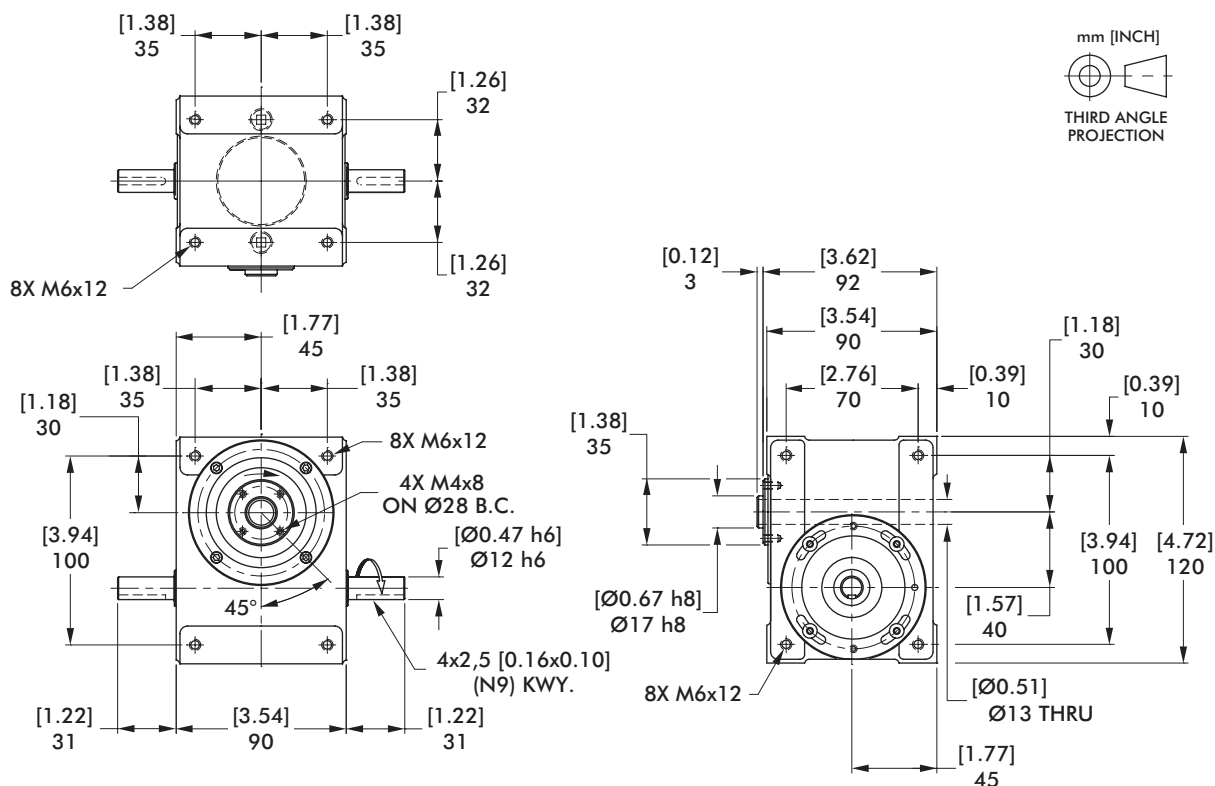
Gear Reducer Mounting Positions (Figure 4)

Mounting "A"				Mounting "B"			
RH		LH		RH		LH	
SIDE 1							
	A	B	C	D			
SIDE 2							
	E	F	G	H			
Mounting "C"				Mounting "D"			
RH		LH		RH		LH	
SIDE 1							
	J	K	L	M			
SIDE 2							
	N	P	R	S			

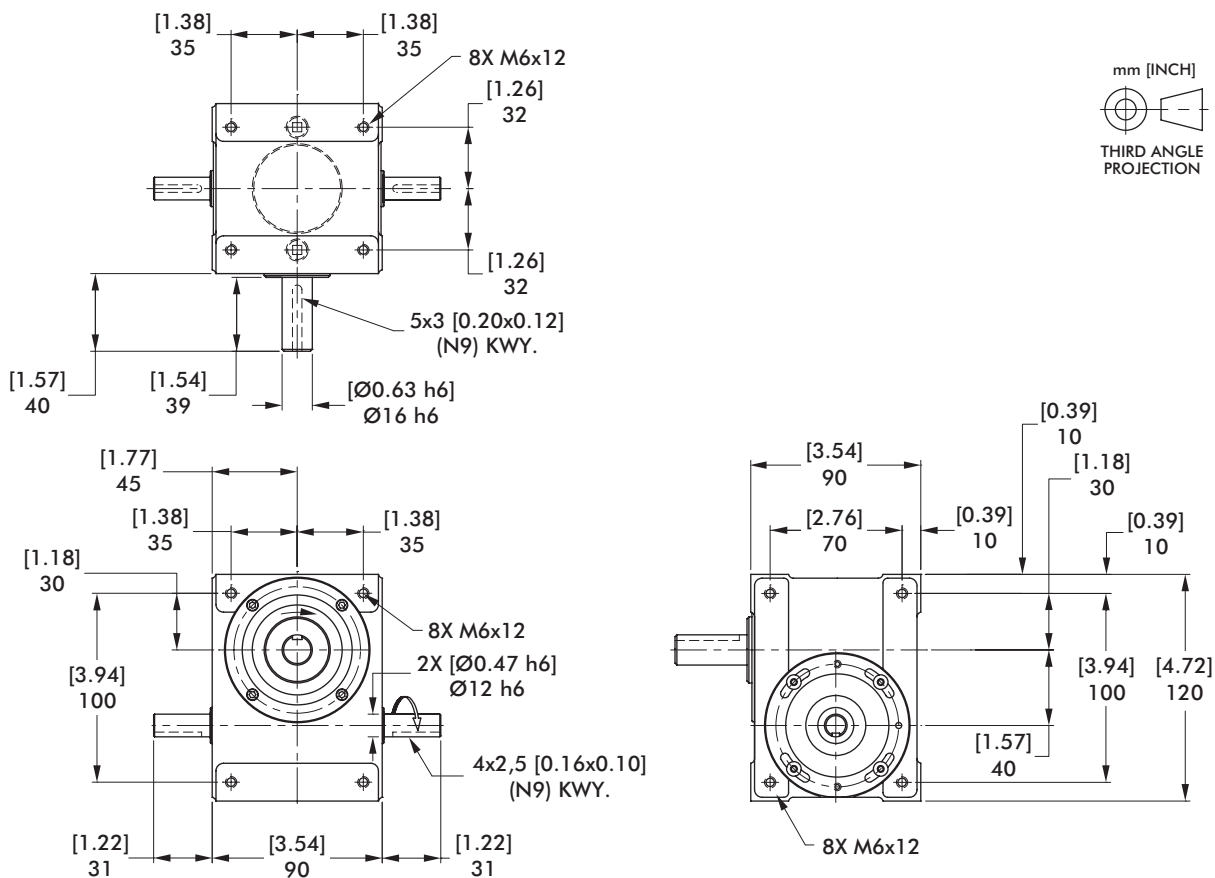
40RGD/40RGS SERIES

Roller Gear Index Drive | Dimensions

40RGD



40RGS



40RGD/40RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

40RGD/40RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	270	ms	17 [150]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)2H12-270
3	270	ms	21 [187]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)3H12-270
4	270	ms	24 [214]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)4H12-270
	180	ms	25 [225]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)4H12-180
6	270	ms	22 [193]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)6H12-270
	90	ms	24 [216]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)6H12-90
8	270	ms	24 [216]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)8H12-270
	90	ms	28 [249]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)8H12-90
12	270	ms	14 [124]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)12H9-270
	90	ms	16 [139]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)12H9-90
16	270	ms	29 [254]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)16H12-270 II
	120	ms	35 [312]	1,2 [0.4]	1,2 [0.4]	40RG(D/S)16H12-120 II
24	180	ms	20 [173]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)24H9-180 II
	120	ms	37 [326]	0,9 [0.3]	1,2 [0.4]	40RG(D/S)24H12-120 III

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

Features

- Fully Metric
- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø13 mm [Ø.50 in]) in RGD model.
- Right Hand Cam

Optional Accessories

- STM RMI28 Gear Reducer (ratios from 7:1 to 100:1) with
 - IEC56B14 Motor Adapter
 - 1/12 HP AC Motor and Inverter Drive (up to 60 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications

Output Load Capacity (loads carried during index):

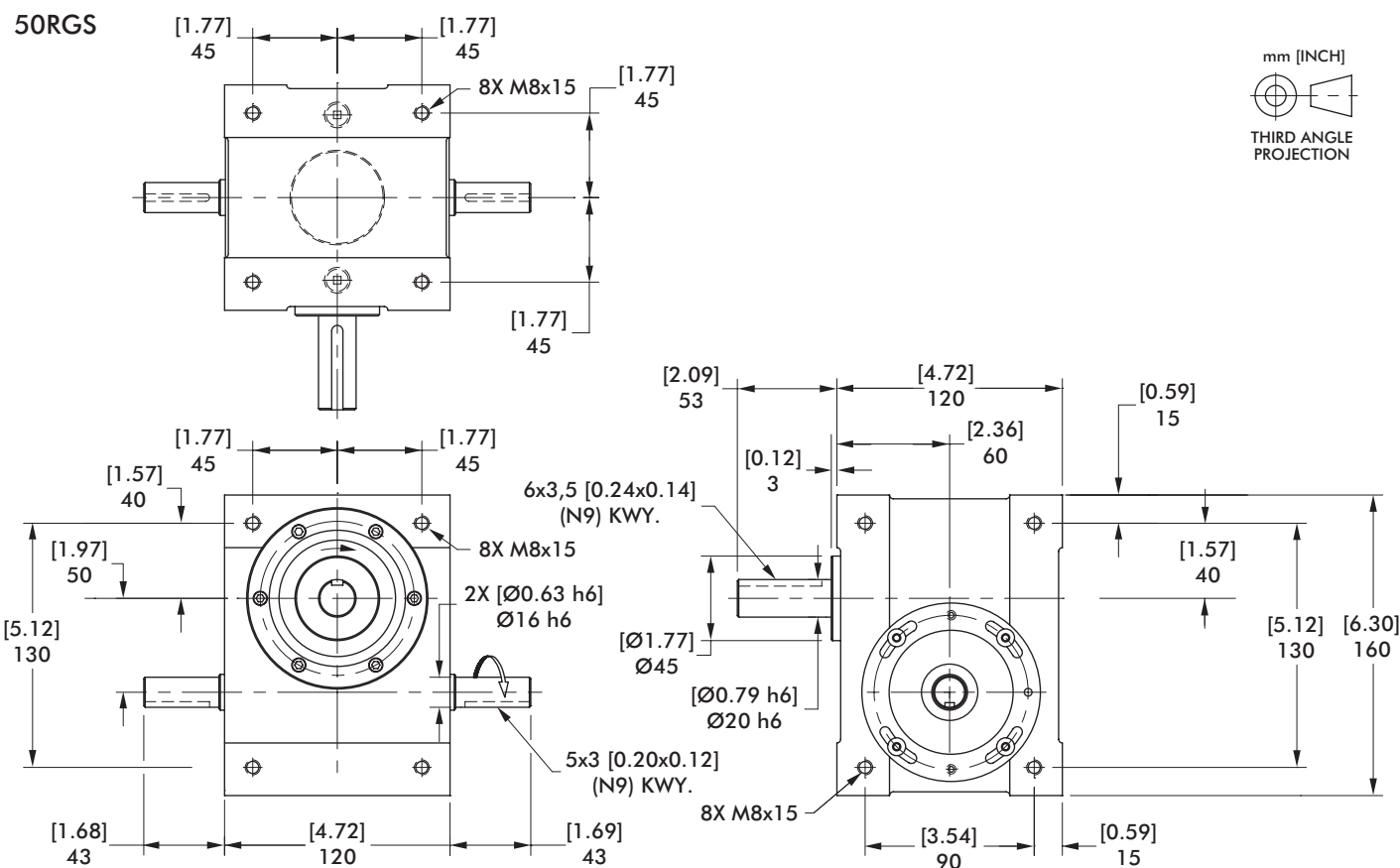
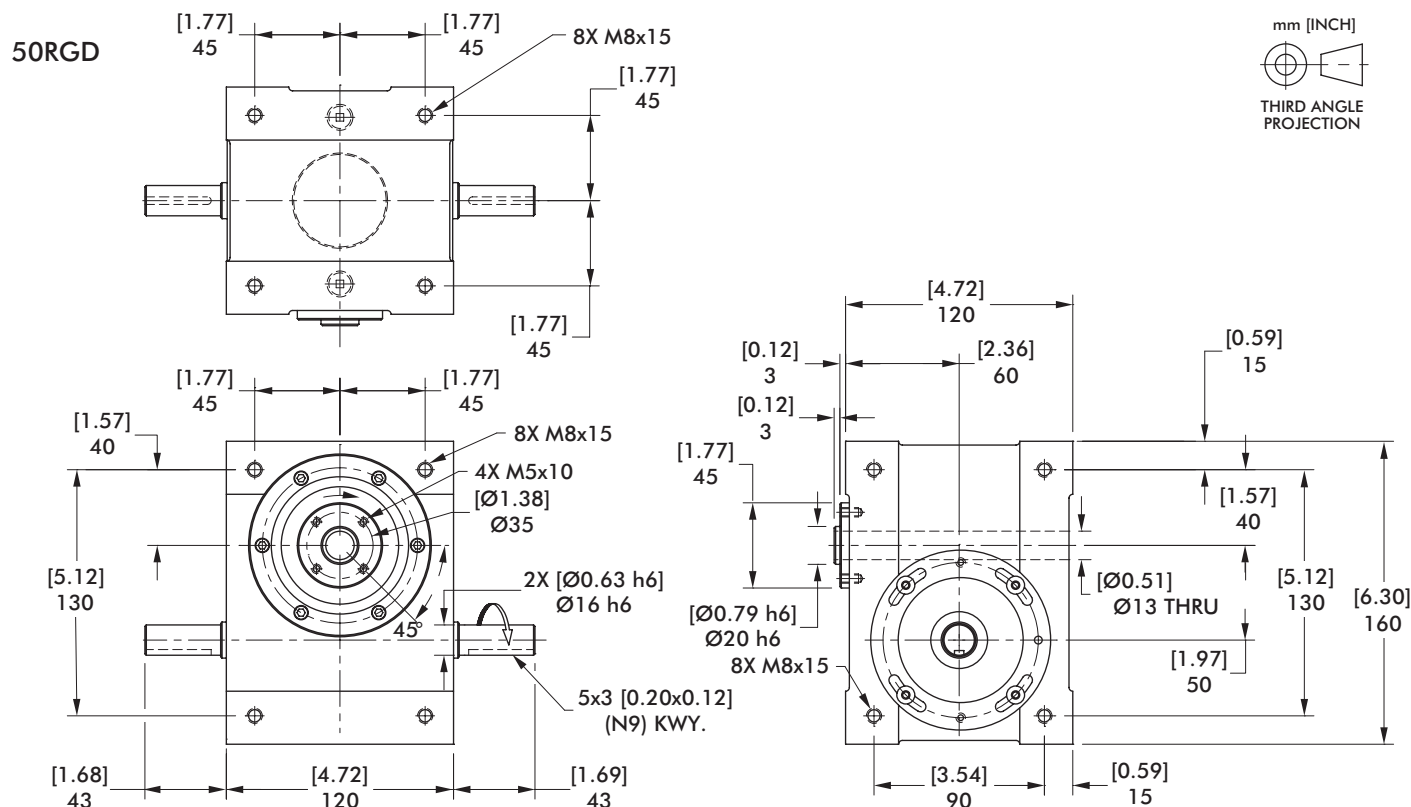
	RGD	RGS
Radial	4924 N [1107 lbs]	916 N [206 lbs]
Thrust/Axial	3519 N [791 lbs]	2189 N [492 lbs]
Moment	86 N-m [762 in-lb]	46 N-m [405 in-lb]

Accuracy ±90 arcsec / ±0,033 mm [±.0013 in] at 76,2 mm [3 in] Radius

Repeatability ±22 arcsec / ±0,008 mm [±.0003 in] at 76,2 mm [3 in] Radius

50RGD/50RGS SERIES

Roller Gear Index Drive | Dimensions



50RGD/50RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

40RGD/40RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	270	msc.50	70 [621]	4,1 [1.4]	4,7 [1.6]	50RG(D/S)2H18-270
3	270	ms	32 [287]	3,8 [1.3]	4,4 [1.5]	50RG(D/S)3H14-270
	180	ms	34 [300]	3,8 [1.3]	4,4 [1.5]	50RG(D/S)3H14-180
4	270	ms	37 [326]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)4H14-270
	180	ms	40 [351]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)4H14-180
6	270	ms	68 [606]	4,1 [1.4]	4,7 [1.6]	50RG(D/S)6H18-270
	90	ms	83 [734]	4,1 [1.4]	4,7 [1.6]	50RG(D/S)6H18-90
8	270	ms	38 [336]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)8H14-270
	90	ms	46 [403]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)8H14-90
12	270	ms	31 [275]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)12H12-270
	90	ms	37 [329]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)12H12-90
16	180	ms	51 [447]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)16H14-180 II
24	180	ms	42 [374]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)24H12-180 II
	120	ms	46 [409]	4,1 [1.4]	4,4 [1.5]	50RG(D/S)24H12-120 II

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

Features

- Fully Metric
- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø15 mm [Ø.59 in]) in RGD model.
- Right Hand Cam

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	7896 N [1775 lbs]	1686 N [379 lbs]
Thrust/Axial	4115 N [925 lbs]	2424 N [545 lbs]
Moment	178 N-m [1572 in-lb]	89 N-m [791 in-lb]

Accuracy ±73 arcsec / ±0,028 mm [±.0011 in] at 76,2 mm [3 in] Radius

Repeatability ±18 arcsec / ±0,008 mm [±.0003 in] at 76,2 mm [3 in] Radius

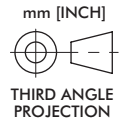
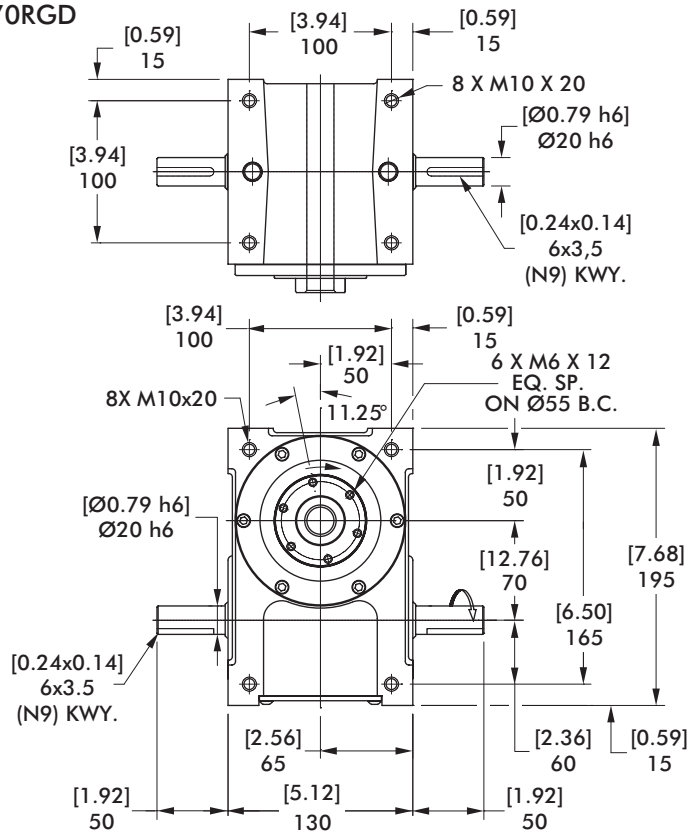
Optional Accessories

- R180 Reducer (Ratios from 15:1 to 60:1)
 - Double Extended Worm Shaft (Input)
 - Worm Shaft Handwheel
- 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

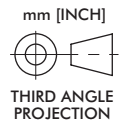
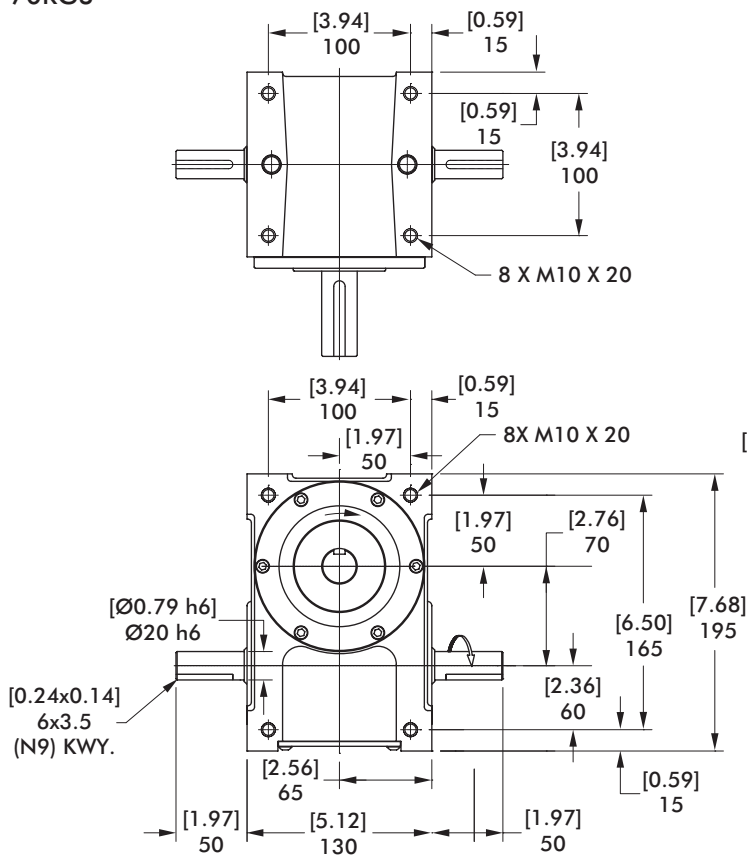
70RGD/70RGS SERIES

Roller Gear Index Drive | Dimensions

70RGD



70RGS



70RGD/70RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

40RGD/40RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	270	ms	66 [585]	20,5 [7]	23,4 [8]	70RG(D/S)2H20-270
	180	ms	63 [562]	20,5 [7]	23,4 [8]	70RG(D/S)2H18-180
3	270	ms	81 [720]	20,5 [7]	23,4 [8]	70RG(D/S)3H20-270
	180	ms	85 [753]	20,5 [7]	23,4 [8]	70RG(D/S)3H20-180
4	270	ms	93 [821]	26,3 [9]	29,3 [10]	70RG(D/S)4H20-270
	120	msc,33	125 [1107]	29,3 [10]	29,3 [10]	70RG(D/S)4H18-120
6	270	ms	159 [1406]	26,3 [9]	29,3 [10]	70RG(D/S)6H24-270
	90	msc,33	238 [2110]	26,3 [9]	29,3 [10]	70RG(D/S)6H24-90
8	270	ms	96 [853]	26,3 [9]	29,3 [10]	70RG(D/S)8H20-270
	90	ms	120 [1063]	26,3 [9]	29,3 [10]	70RG(D/S)8H20-90
12	270	ms	53 [470]	29,3 [10]	29,3 [10]	70RG(D/S)12H14-270
	90	ms	66 [584]	29,3 [10]	29,3 [10]	70RG(D/S)12H14-90
24	180	ms	72 [635]	29,3 [10]	29,3 [10]	70RG(D/S)24H14-180 II

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

Features

- Fully Metric
- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø19 mm [Ø.75 in]) in RGD model.
- Right Hand Cam

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	12602 N [2833 lbs]	2491 N [560 lbs]
Thrust/Axial	9893 N [2224 lbs]	3567 N [802 lbs]
Moment	410 N-m [3626 in-lb]	175 N-m [1545 in-lb]

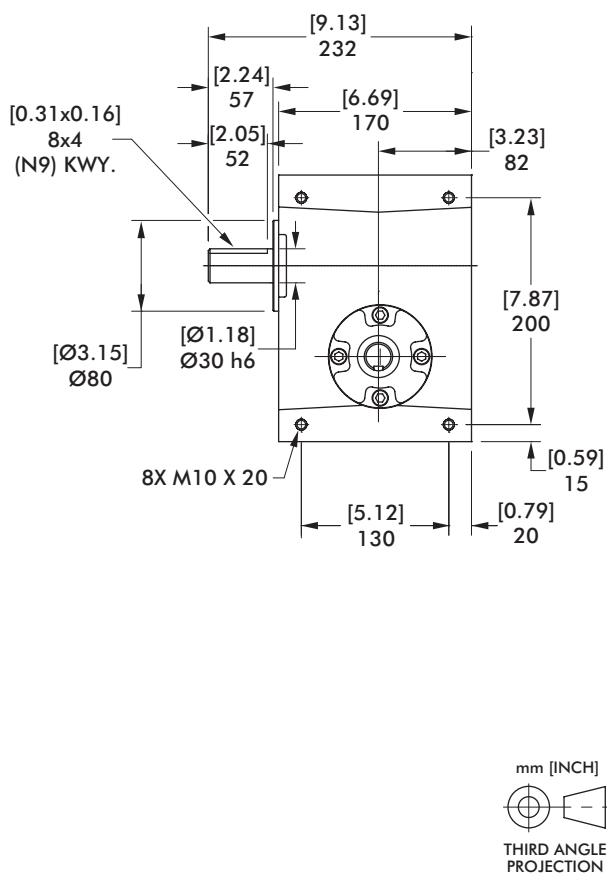
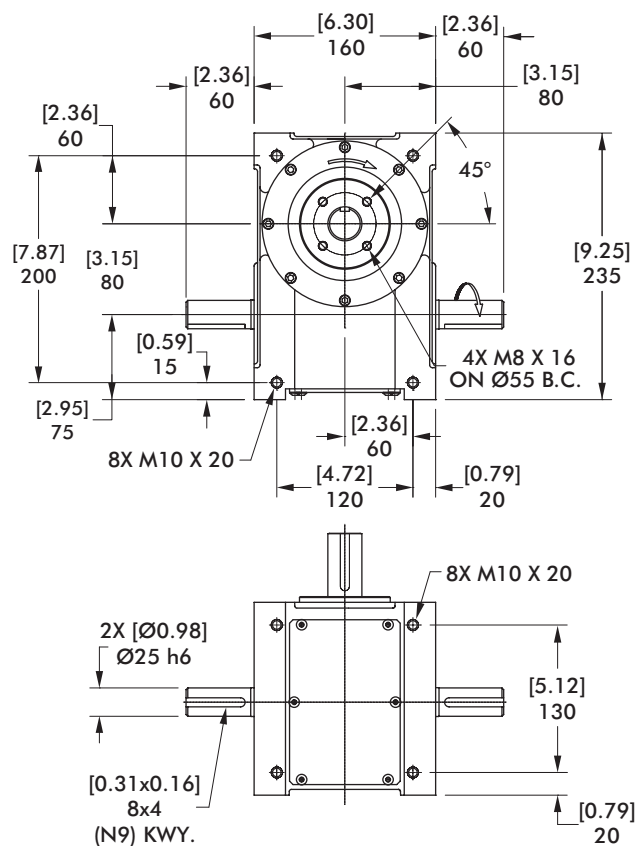
Accuracy ±50 arcsec / ±0,020 mm [±.0008 in] at 76,2 mm [3 in] Radius

Repeatability ±13 arcsec / ±0,005 mm [±.0002 in] at 76,2 mm [3 in] Radius

Optional Accessories

- R180 Reducer (Ratios from 5:1 to 60:1)
- 1/3 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- 1/3 HP DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications

Roller Gear Index Drive | Dimensions

[illegible]

80RGD/80RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

40RGD/40RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	330	ms	129 [1144]	46,8 [16]	49,7 [17]	80RG(D/S)2H24-330
	270	msc.33	157 [1388]	46,8 [16]	49,7 [17]	80RG(D/S)2H24-270
3	270	ms	161 [1422]	46,8 [16]	49,7 [17]	80RG(D/S)3H24-270
	180	ms	171 [1513]	46,8 [16]	49,7 [17]	80RG(D/S)3H24-180
4	270	ms	188 [1663]	61,5 [21]	61,5 [21]	80RG(D/S)4H24-270
	180	msc.33	269 [2377]	61,5 [21]	61,5 [21]	80RG(D/S)4H24-180
6	270	ms	172 [1524]	52,7 [18]	55,6 [19]	80RG(D/S)6H28-270
	90	msc.50	262 [2323]	52,7 [18]	55,6 [19]	80RG(D/S)6H28-90
8	270	ms	196 [1733]	61,5 [21]	61,5 [21]	80RG(D/S)8H24-270
	90	msc.33	332 [2937]	61,5 [21]	61,5 [21]	80RG(D/S)8H24-90
12	270	ms	114 [1011]	58,5 [20]	58,5 [20]	80RG(D/S)12H18-270
	90	msc.60	195 [1725]	58,5 [20]	58,5 [20]	80RG(D/S)12H18-90

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

Features

- Fully Metric
- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø26 mm [Ø1.02 in]) in RGD model.
- Right Hand Cam

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	21,307 N [4790 lbs]	5289 N [1189 lbs]
Thrust/Axial	15435 N [3470 lbs]	5542 N [1246 lbs]
Moment	852 N-m [7544 in-lb]	302 N-m [2669 in-lb]

Accuracy ±48 arcsec / ±0,018 mm [±.0007 in] at 76,2 mm [3 in] Radius

Repeatability ±12 arcsec / ±0,005 mm [±.0002 in] at 76,2 mm [3 in] Radius

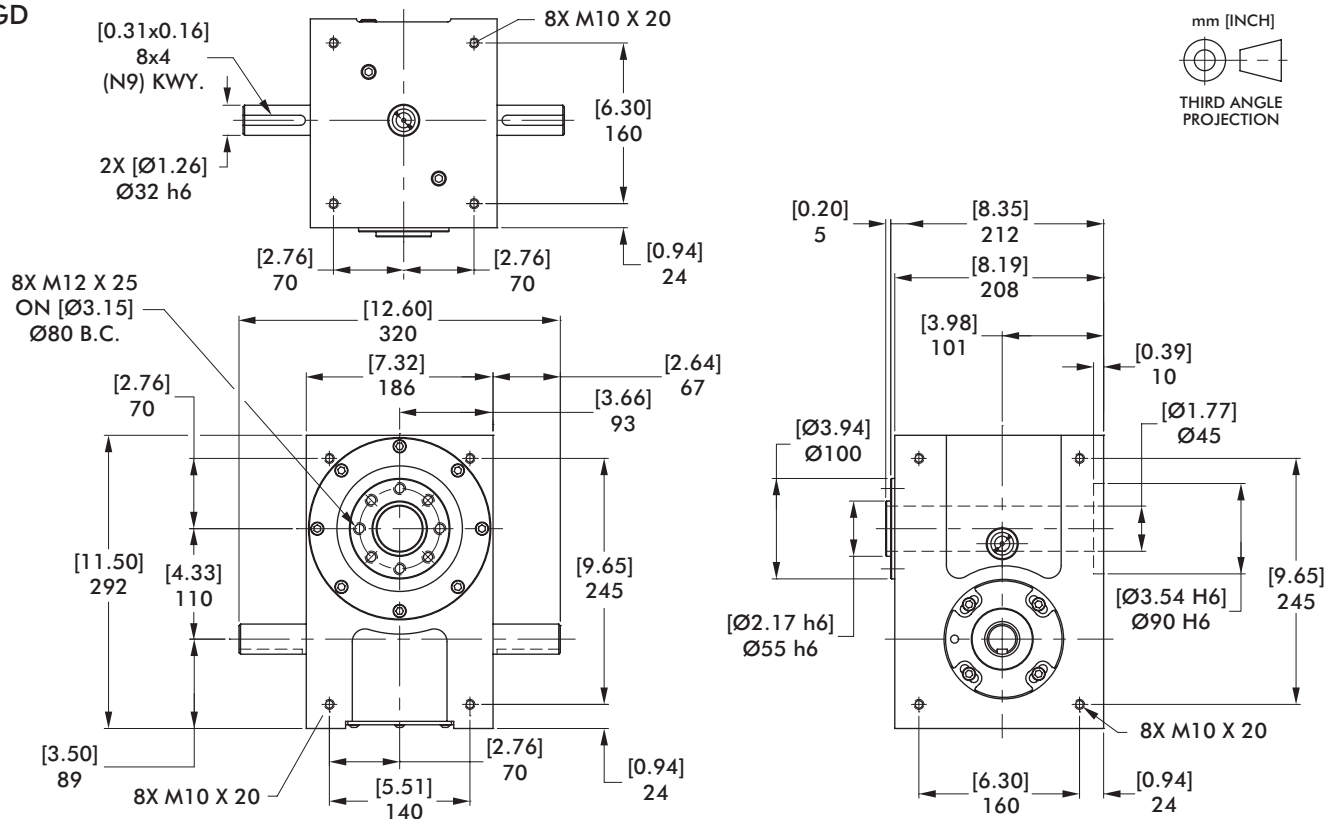
Optional Accessories

- R180 Reducer (Ratios from 5:1 to 60:1)
- 1/3 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- 1/3 HP DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications

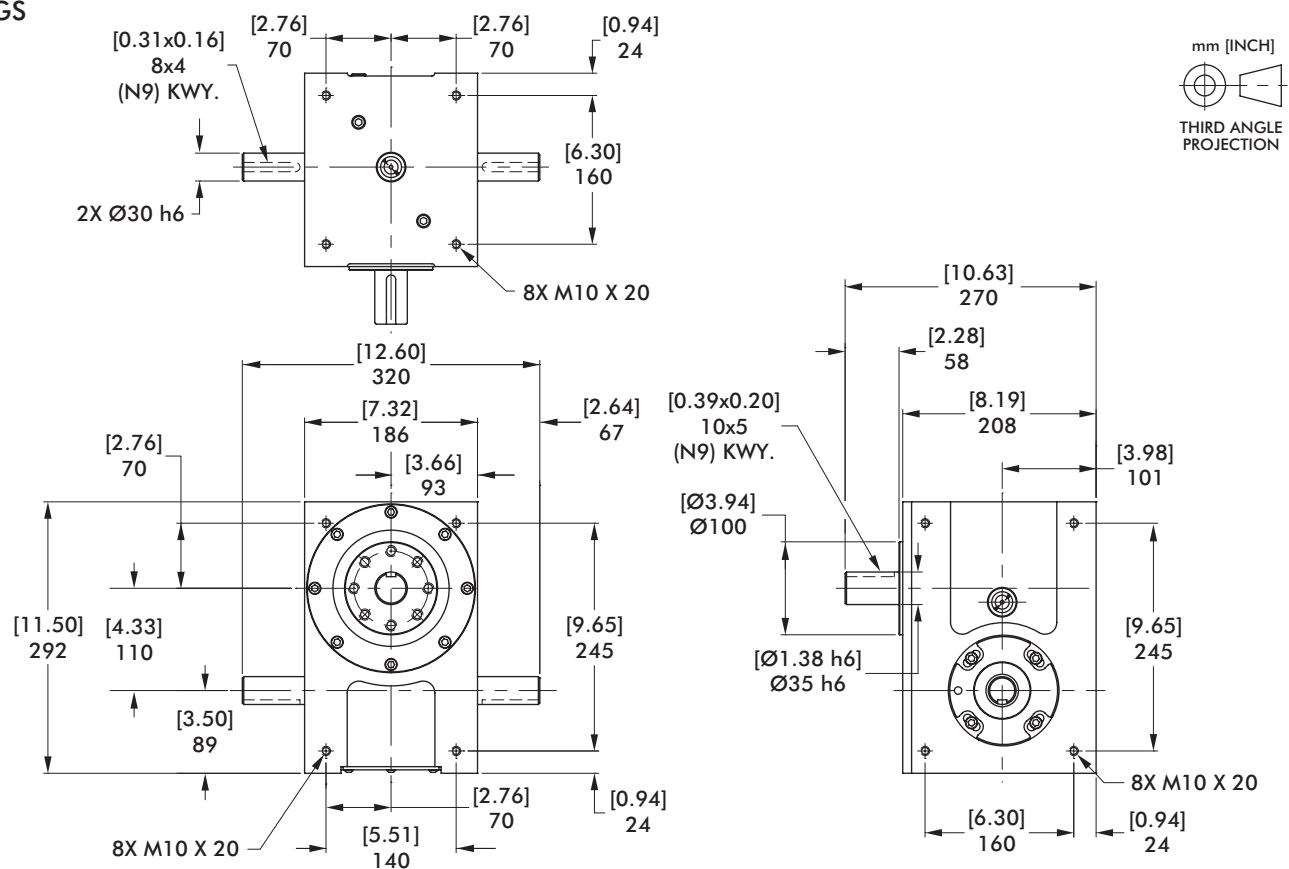
110RGD/110RGS SERIES

Roller Gear Index Drive | Dimensions

110RGD



110RGS



110RGD/110RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

110RGD/110RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	300	msc.33	596 [5271]	149,2 [51]	163,9 [56]	110RG(D/S)2H40-300
	270	msc.50	692 [6126]	149,2 [51]	163,9 [56]	110RG(D/S)2H40-270
3	270	ms	634 [5609]	149,2 [51]	163,9 [56]	110RG(D/S)3H40-270
	180	msc.50	885 [7829]	149,2 [51]	163,9 [56]	110RG(D/S)3H40-180
4	270	ms	371 [3282]	140,5 [48]	161,0 [55]	110RG(D/S)4H32-270
	180	msc.33	469 [4147]	140,5 [48]	161,0 [55]	110RG(D/S)4H32-180
6	270	ms	834 [7378]	152,2 [52]	204,8 [70]	110RG(D/S)6H48-270
	120	msc.33	918 [8127]	149,2 [51]	163,9 [56]	110RG(D/S)6H40-120
8	270	ms	389 [3440]	140,5 [48]	161,0 [55]	110RG(D/S)8H32-270
	120	ms	469 [4149]	140,5 [48]	161,0 [55]	110RG(D/S)8H32-120
12	270	ms	318 [2815]	137,5 [47]	161,0 [55]	110RG(D/S)12H28-270
	120	ms	380 [3367]	131,7 [45]	149,2 [51]	110RG(D/S)12H24-120
16	270	ms	182 [1610]	131,7 [45]	155,1 [53]	110RG(D/S)16H20-270
	120	ms	225 [1992]	131,7 [45]	155,1 [53]	110RG(D/S)16H20-120
24	270	ms	412 [3650]	131,7 [45]	149,2 [51]	110RG(D/S)24H24-270 II
	180	ms	467 [4134]	131,7 [45]	149,2 [51]	110RG(D/S)24H24-180 II

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

Features

- Fully Metric
- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø45 mm [Ø1.77 in]) in RGD model.
- Right Hand Cam

Optional Accessories

- KH37 Reducer
 - Ratios from 5.36:1 to 106.38:1 (consult factory for exact ratios available)
 - 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Left Hand Cam
- Relief in Dwell for shot-pin applications

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	24968 N [5613 lbs]	8256 N [1156 lbs]
Thrust/Axial	19621 N [4411 lbs]	9132 N [2053 lbs]
Moment in-lb]	1248 N-m [11050 in-lb]	479 N-m [4238

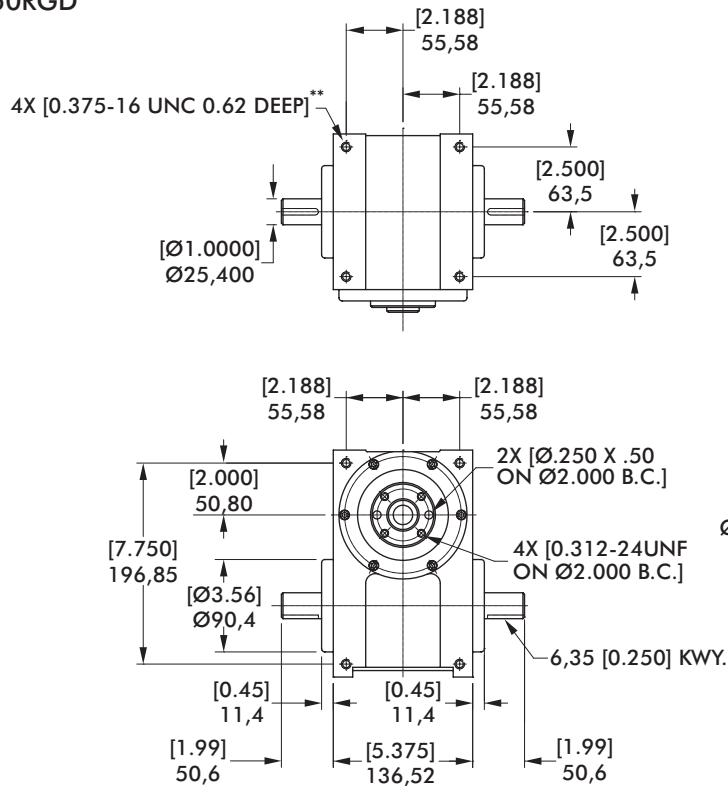
Accuracy ±30 arcsec / ±0,023 mm [±.0009 in] at 152,4 mm [6 in] Radius

Repeatability ±8 arcsec / ±0,005 mm [±.0002 in] at 152,4 mm [6 in] Radius

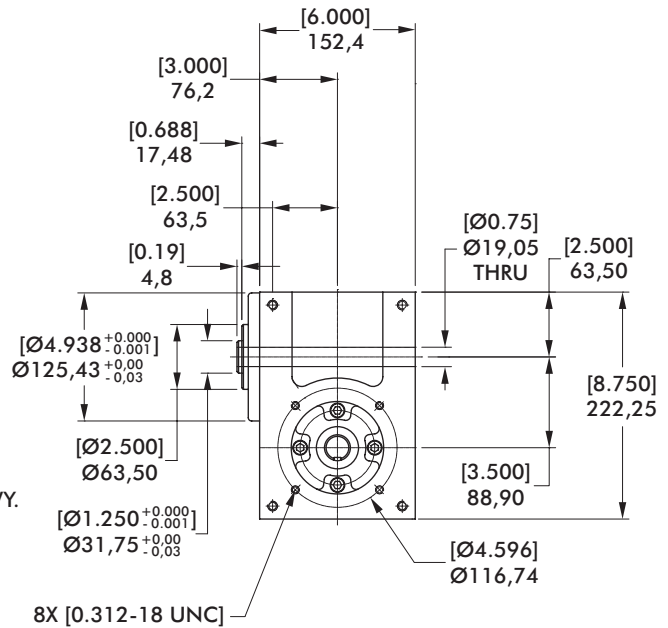
350RGD/350RGS SERIES

Roller Gear Index Drive | Dimensions

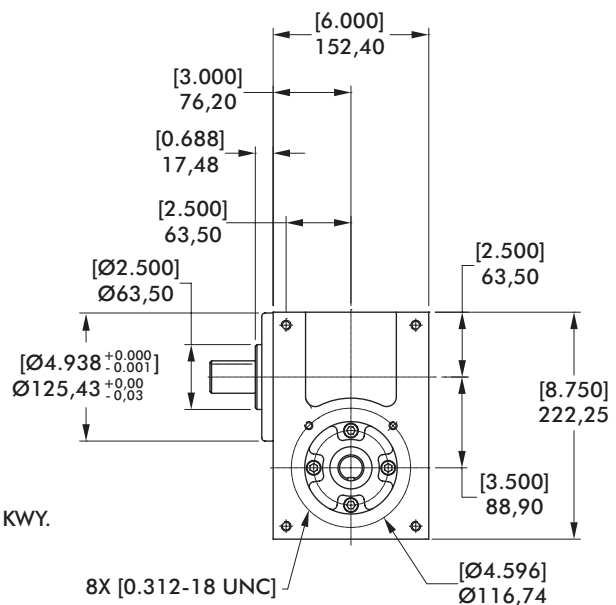
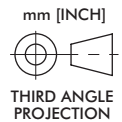
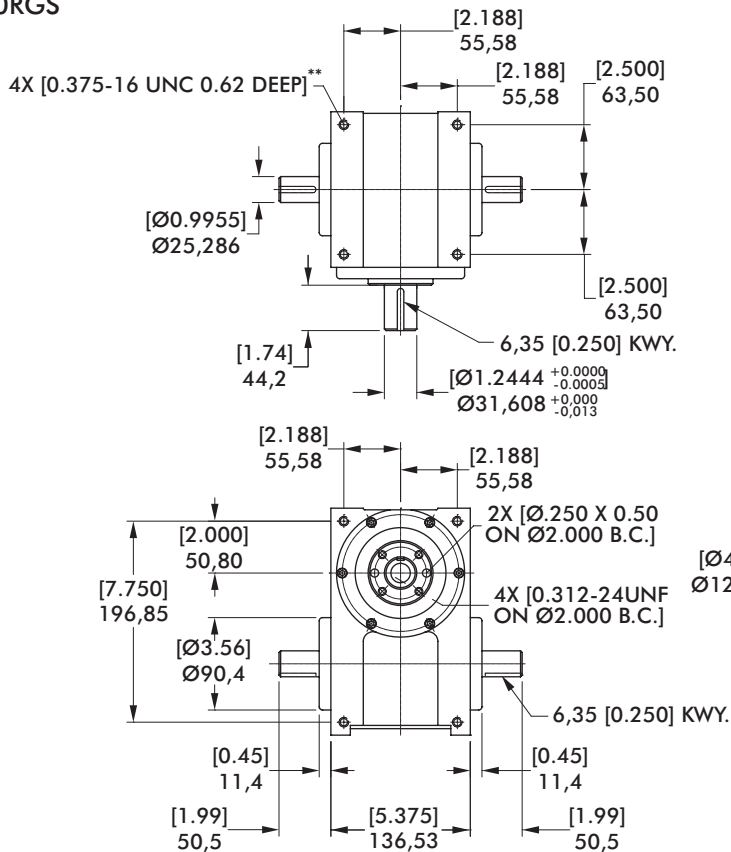
350RGD



** 4 TAPPED MOUNTING HOLES IN ANY ONE OF SIX FINISHED SIDES, TO BE SPECIFIED BY CUSTOMER



350RGS



350RGD/350RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

350RGD/350RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
1	330	msc.50	200 [1774]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)1H24-330
2	270	ms	141 [1244]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)2H24-270
	180	msc.67	231 [2047]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)2H24-180
3	270	ms	173 [1530]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)3H24-270
	180	ms	181 [1601]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)3H24-180
4	300	ms	192 [1701]	23,7 [8.1]	29,6 [10.1]	350RG(D/S)4H24-300
	180	ms	226 [2001]	23,7 [8.1]	29,6 [10.1]	350RG(D/S)4H24-180
6	270	ms	182 [1615]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)6H24-270
	90	ms	233 [2063]	22,5 [7.7]	28,4 [9.7]	350RG(D/S)6H24-90
8	270	ms	208 [1840]	23,7 [8.1]	29,6 [10.1]	350RG(D/S)8H24-270
	90	ms	307 [2716]	23,7 [8.1]	29,6 [10.1]	350RG(D/S)8H24-90
12	270	ms	128 [1132]	23,1 [7.9]	29,0 [9.9]	350RG(D/S)12H20-270
	90	ms	167 [1476]	23,1 [7.9]	29,0 [9.9]	350RG(D/S)12H20-90

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

Features

- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø19.05 mm [Ø.75 in]) in RGD model.
- Right Hand Cam Standard

Optional Accessories

- R180 Reducer (Ratios from 5:1 to 60:1)
 - 1/3 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
 - 1/3 HP DC Motor with Varipak DC Motor Control (up to 30 cpm)
- R225 Reducer (Ratios from 5:1 to 60:1)
 - 56C Motor Adapter and Coupling
 - 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
 - 1 HP DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Relief in Dwell for shot-pin applications
- Left Hand Cam
- Relief in Dwell for shot-pin applications

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	8607 N [1935 lbs]	8042 N [1808 lbs]
Thrust/Axial	6254 N [1406 lbs]	3496 N [786 lbs]
Moment	273 N-m [2419 in-lb]	357 N-m [3164 in-lb]

Accuracy ±41 arcsec / ±0,030 mm [±.0012 in] at 152,4 mm [6 in] Radius

Repeatability ±10 arcsec / ±0,008 mm [±.0003 in] at 152,4 mm [6 in] Radius

Roller Gear Index Drive | Dimensions

[illegible]

Technical drawing of a mechanical part, likely a pump housing, showing dimensions in inches and millimeters. The drawing includes a top view and a side view. Key dimensions include:

- Overall width: 254.00
- Overall height: 355.60
- Central bore: $\text{Ø}200.02^{+0.00}_{-0.03}$
- Threaded hole: $\text{Ø}38.1$ THRU
- Internal features: $\text{Ø}107.95$, $\text{Ø}50.80^{+0.00}_{-0.03}$, $\text{Ø}228.60$
- Dimensions: 127.00, 22.22, 101.60, 4.8, 107.95, 231.78, 139.70
- Tolerances: $[0.000]$, $[0.875]$, $[4.000]$, $[0.19]$, $[4.250]$, $[14.000]$, $[9.125]$, $[5.500]$
- Thread specification: 8X $[0.375-16 \text{ UNC}]$

The technical drawing shows two views of a mechanical part:

- Top View (Upper):** Shows a rectangular flange with four mounting holes. Dimensions include a central hole diameter of $\varnothing 1.5000$ [38,100], a distance from the center to the mounting holes of $12,70$ [0.500] K.W.Y., and a total width of $19,05$ [0.750]. The thickness of the flange is $6,000$ [152,40]. There are four screws specified as $4 \times [0.500-13 \text{ UNC}]^{**}$.
- Front View (Lower):** Shows the side profile of the component. It features a central circular opening with a diameter of $\varnothing 120,7$ [$\varnothing 4.75$]. The overall height is $123,85$ [12.750]. The base has a width of $215,9$ [8.50] and a thickness of 108 [4.25]. The mounting holes are spaced $92,08$ [3.625] apart. A dimension of $11,4$ [0.45] indicates the offset of the mounting holes from the centerline.

THIRD ANGLE
PROJECTION

500RGD/500RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

500RGD/500RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
1	330	msc.60	765 [6767]	181,4 [62]	131,7 [45]	500RG(D/S)1H40-330
2	270	ms	497 [4400]	181,4 [62]	131,7 [45]	500RG(D/S)2H40-270
3	270	ms	595 [5265]	181,4 [62]	131,7 [45]	500RG(D/S)3H40-270
	180	ms	645 [5706]	181,4 [62]	131,7 [45]	500RG(D/S)3H40-180
4	270	ms	692 [6121]	193,1 [66]	140,5 [48]	500RG(D/S)4H40-270
	120	msc.20	440 [3892]	175,6 [60]	122,9 [42]	500RG(D/S)4H32-120
6	270	ms	617 [5464]	181,4 [62]	131,7 [45]	500RG(D/S)6H40-270
	90	ms	781 [6909]	181,4 [62]	131,7 [45]	500RG(D/S)6H40-90
8	270	ms	695 [6151]	193,1 [66]	140,5 [48]	500RG(D/S)8H40-270
	90	ms	929 [8219]	193,1 [66]	140,5 [48]	500RG(D/S)8H40-90
12	270	ms	296 [2616]	169,7 [58]	117,1 [40]	500RG(D/S)12H28-270
	90	ms	390 [3449]	169,7 [58]	117,1 [40]	500RG(D/S)12H28-90

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

Features

- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø38.1 mm [Ø1.50 in]) in RGD model.
- Right Hand Cam Standard

Optional Accessories

- 1 hp AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- 1 hp DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Output Overload Clutch Models: 11S, 11C, 11F, 11C-SD, 11S-SD, 11FC-SD
 - Available Settings (in-lbs): 2300, 4000, 6000, 8500, 11000
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Left Hand Cam

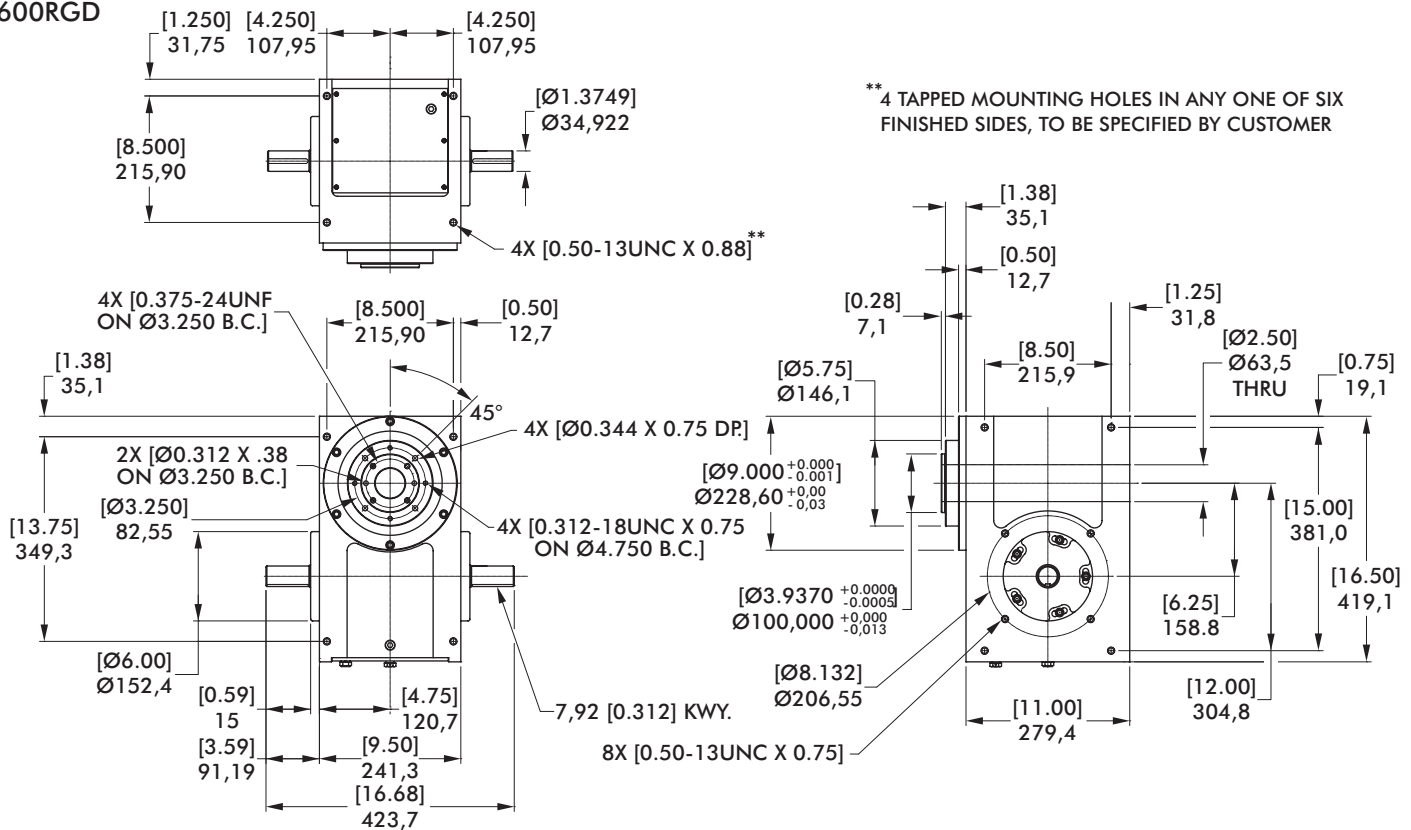
Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	17811 N [4004 lbs]	16756 N [3767 lbs]
Thrust/Axial	12273 N [2759 lbs]	6374 N [1433 lbs]
Moment	961 N-m [8509 in-lb]	1464 N-m [12959 in-lb]
Accuracy	±29 arcsec / ±0,020 mm [±.0008 in] at 152,4 mm [6 in] Radius	
Repeatability	±7 arcsec / ±0,005 mm [±.0002 in] at 152,4 mm [6 in] Radius	

600RGD/600RGS SERIES

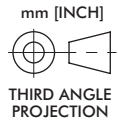
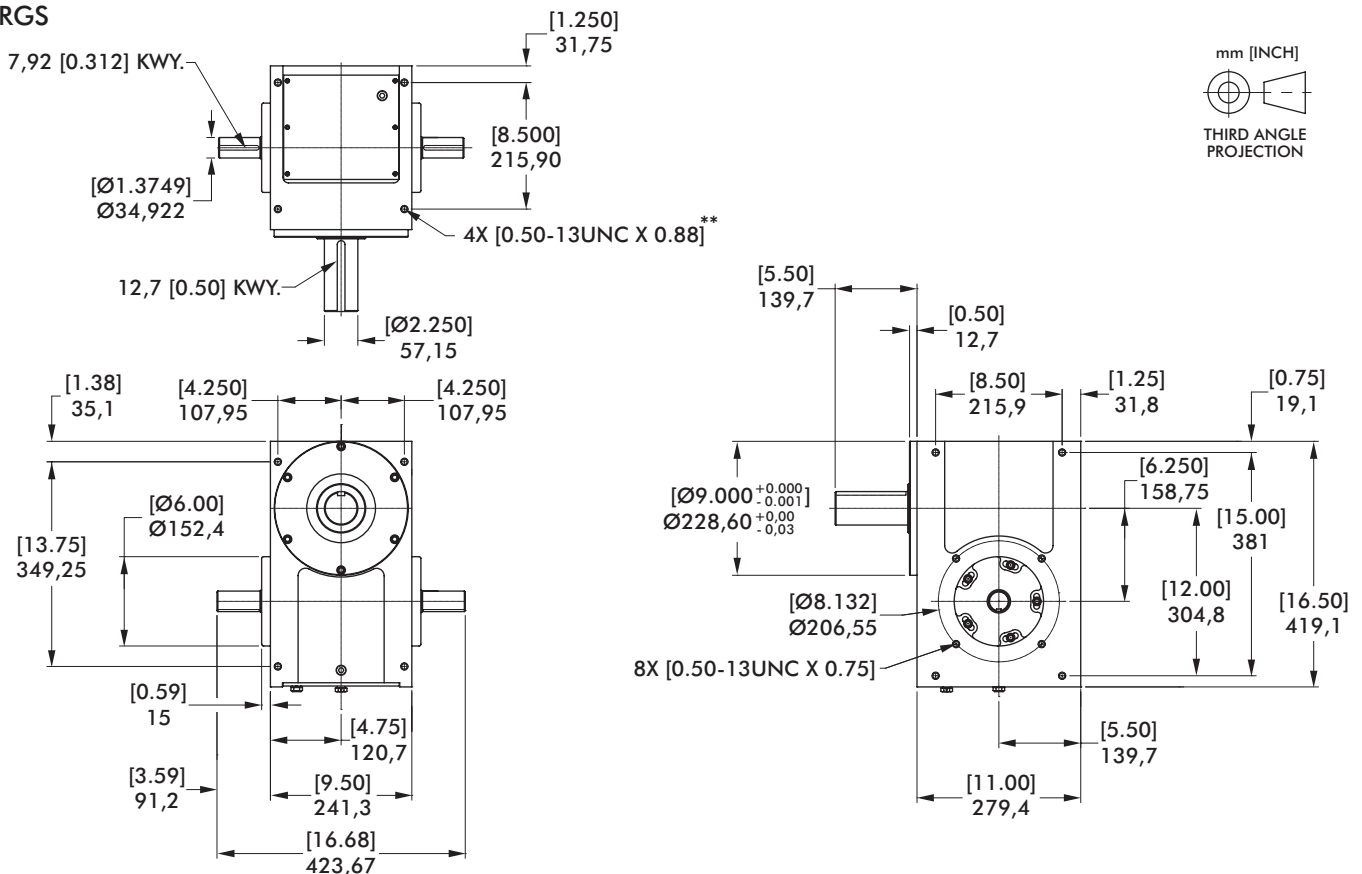
Roller Gear Index Drive | Dimensions

600RGD



** 4 TAPPED MOUNTING HOLES IN ANY ONE OF SIX FINISHED SIDES, TO BE SPECIFIED BY CUSTOMER

600RGS



600RGD/600RGS SERIES

Roller Gear Index Drive | Features | Optional Accessories | Technical Information

600RGD/600RGS Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	RGD Internal Inertia kg-cm ² [lb-in ²]	RGS Internal Inertia kg-cm ² [lb-in ²]	Model
2	300	ms	736 [6516]	749,2 [256]	400,9 [137]	600RG(D/S)2H48-300
3	270	ms	899 [7955]	749,2 [256]	400,9 [137]	600RG(D/S)3H48-270
	180	ms	991 [8769]	749,2 [256]	400,9 [137]	600RG(D/S)3H48-180
4	270	ms	763 [6749]	728,7 [249]	383,4 [131]	600RG(D/S)4H40-270
	180	ms	845 [7477]	728,7 [249]	383,4 [131]	600RG(D/S)4H40-180
6	270	ms	936 [8286]	749,2 [256]	400,9 [137]	600RG(D/S)6H48-270
	90	ms	1211 [10715]	749,2 [256]	400,9 [137]	600RG(D/S)6H48-90
8	270	ms	783 [6928]	714 [244]	368,7 [126]	600RG(D/S)8H40-270
	90	ms	1010 [8936]	714 [244]	368,7 [126]	600RG(D/S)8H40-90
12	270	ms	462 [4091]	714 [244]	368,7 [126]	600RG(D/S)12H32-270
	90	ms	615 [5444]	714 [244]	368,7 [126]	600RG(D/S)12H32-90
16	270	ms	1079 [9553]	728,7 [249]	383,4 [131]	600RG(D/S)16H40-270 II
	90	ms	1381 [12224]	728,7 [249]	383,4 [131]	600RG(D/S)16H40-90 II

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

Features

- Universal Mounting: mounting holes on any of 6 sides
- Center Through Hole (Ø63.5 mm [Ø2.50 in]) in RGD model.
- Right Hand Cam Standard

Optional Accessories

- 7300C or 7350C Reducer (Ratios from 5:1 to 60:1)
- 1 or 2 hp AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- 1 or 2 hp DC Motor with Varipak DC Motor Control (up to 30 cpm)
- Single or Dual Cycle Cam and Limit Switch
- Output Overload Clutch Models: 11FM, 11SM
– Available Settings (in-lbs): 2300, 4000, 6000, 8500, 11000
- Left Hand Cam
- Relief in Dwell for shot-pin applications
- Left Hand Cam

Output Load Capacity (loads carried during index):

	RGD	RGS
Radial	25208 N [5667 lbs]	17028 N [3828 lbs]
Thrust/Axial	15693 N [3528 lbs]	15698 N [3529 lbs]
Moment	1841 N-m [16292 in-lb]	2085 N-m [18451 in-lb]

Accuracy ±40 arcsec / ±0,028 mm [±.0011 in]
at 152,4 mm [6 in] Radius

Repeatability ±10 arcsec / ±0,008 mm [±.0003 in]
at 152,4 mm [6 in] Radius

PRECISION INDEXING SOLUTIONS

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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

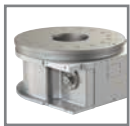
Mechanical Indexers



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



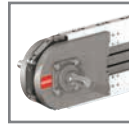
Overload Clutches
Output Overload..... IN-CLU-1

CUSTOM CAMS

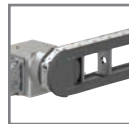


Custom Cams
Cam Design Solutions IN-CAM-1

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



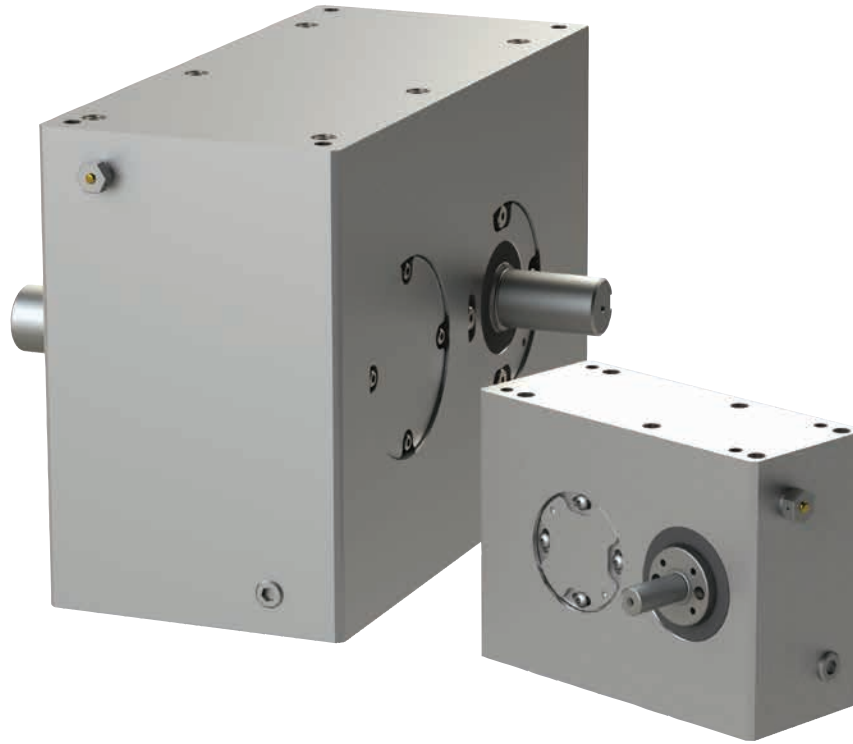
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

PARALLEL SHAFT/FLANGE DRIVES

Features | Table of Contents



Features:

Camco Parallel Index Drives are ideal for high-speed applications or for actuation-type applications such as driving a linkage or a conveyor.

Hardened and ground conjugate cams

Yoke-mounted, preloaded cam followers are non-reversing for high capacity and speed capability

Whole or fractional stops, oscillating and complex custom motions are available

Long transfer distances achieved with simple linkages

Preloaded, tapered roller bearings for rigidity and backlash-free operation

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How to Order	97
250P	99
387P	101
512P	103
662P	105

P SERIES

Parallel Shaft/Flange Drives | How To Order

Indexer Ordering Procedure

1. Input Assembly: Right, Left or Double (DE)
2. Output Assembly: Right, Left or Double (DE).
 - Flanged output is primary output. For Double Output, specify whether flanged output is on right or left side.

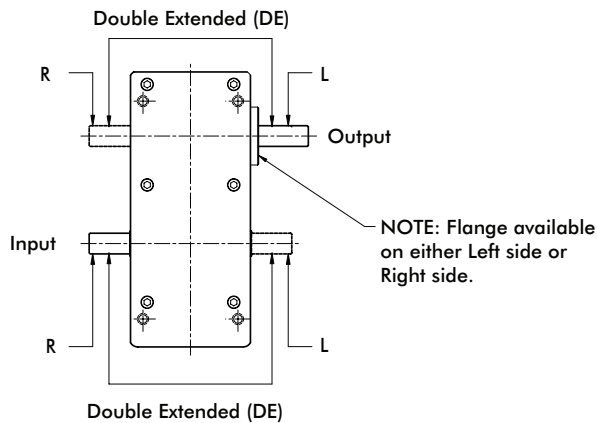
NOTE: Input may rotate in either direction to achieve desired direction of output rotation.

3. Mounting Position: 1-6

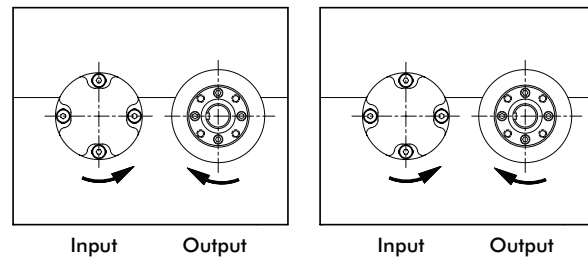
Reducer Ordering Procedure

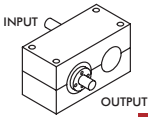
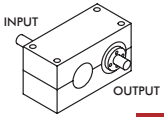
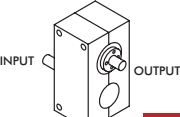
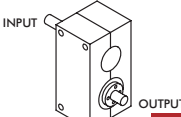
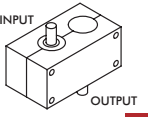
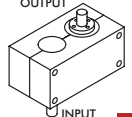
1. Model
2. Ratio: 5:1, 10:1, 15:1, 20:1, 25:1, 30:1, 40:1, 50:1, 60:1
3. Motor Adapter
4. Reducer Input Shaft Extension: Single Input (SE) or Double Input (DE)
5. Mounting (see diagram below)

Position of Shafts (Top View)

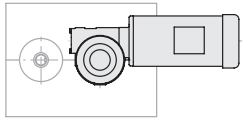
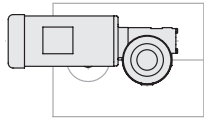
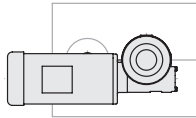
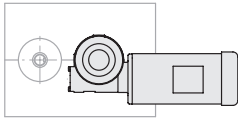
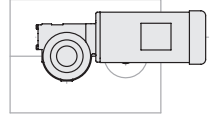
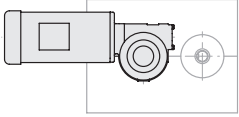
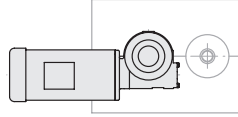
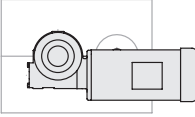
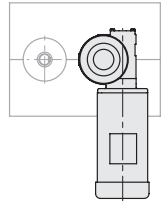
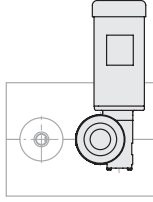
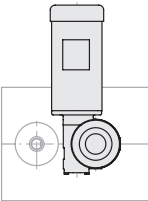
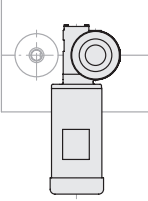
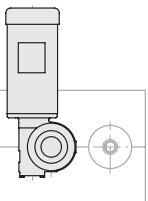
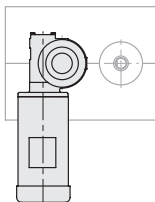
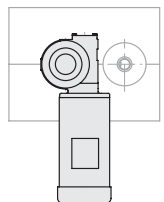
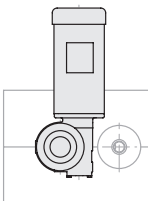


Input/Output Shaft Rotation

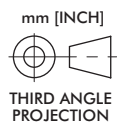


OHEI (output horizontal, even with input)	OHEI (output horizontal, even with input)	OHOI (output horizontal, over input)	OHUI (output horizontal, under input)	VD (output vertical down)	VU (output vertical up)
 1	 2	 3	 4	 5	 6

Gear Reducer Mounting Positions (Figure 4)

Mounting "A"				Mounting "B"			
RH		LH		RH		LH	
SIDE R	 A	 B	 C	 D			
SIDE L	 E	 F	 G	 H			
Mounting "C"				Mounting "D"			
RH		LH		RH		LH	
SIDE R	 J	 K	 L	 M			
SIDE L	 N	 P	 R	 S			

Parallel Shaft/Flange Drives | Dimensions



250P Indexer Capacities						
Stops	Index Period	Motion	B ₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	"A" Center mm [in]
1	300	msc.50	50 [444]	8,8 [3]	250P1H20-300	82,6 [3.25]
1.5	270	msc.33	54 [481]	5,9 [2]	250P1.5H20-270	82,6 [3.25]
2	270	ms	49 [433]	8,8 [3]	250P2H20-270	82,6 [3.25]
	180	msc.33	62 [546]	8,8 [3]	250P2H20-180	82,6 [3.25]
3	270	ms	66 [582]	5,9 [2]	250P3H20-270	69,9 [2.75]
	120	ms	74 [653]	5,9 [2]	250P3H20-120	82,6 [3.25]
4	270	ms	65 [571]	8,8 [3]	250P4H20-270	69,9 [2.75]
	90	msc.25	88 [782]	8,8 [3]	250P4H20-90	82,6 [3.25]
6	270	ms	100 [888]	5,9 [2]	250P6H20-270 II	69,9 [2.75]
	180	msc.33	235 [2078]	8,8 [3]	250P6H24-180 II	69,9 [2.75]
8	270	ms	95 [843]	8,8 [3]	250P8H20-270 II	69,9 [2.75]
	120	ms	112 [993]	8,8 [3]	250P8H20-120 II	82,6 [3.25]

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

Features

- Single Input Shaft and Single Output Shaft
- Output horizontal even with input Mounting
- R180 Reducer (ratios from 15:1 to 60:1)
 - Double Extended Worm (input) Shaft
 - Worm Shaft Handwheel
- 1/3 or 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Single Cycle Cam and Limit Switch

Output Load Capacity (loads carried during index):

Radial	1406 N [316 lbs]
Thrust/Axial	1397 N [314 lbs]
Moment	45 N-m [395 in-lb]

Accuracy

±77 arcsec / ±0,028 mm [±.0011 in] at 76,2 mm [3 in] Radius

Repeatability

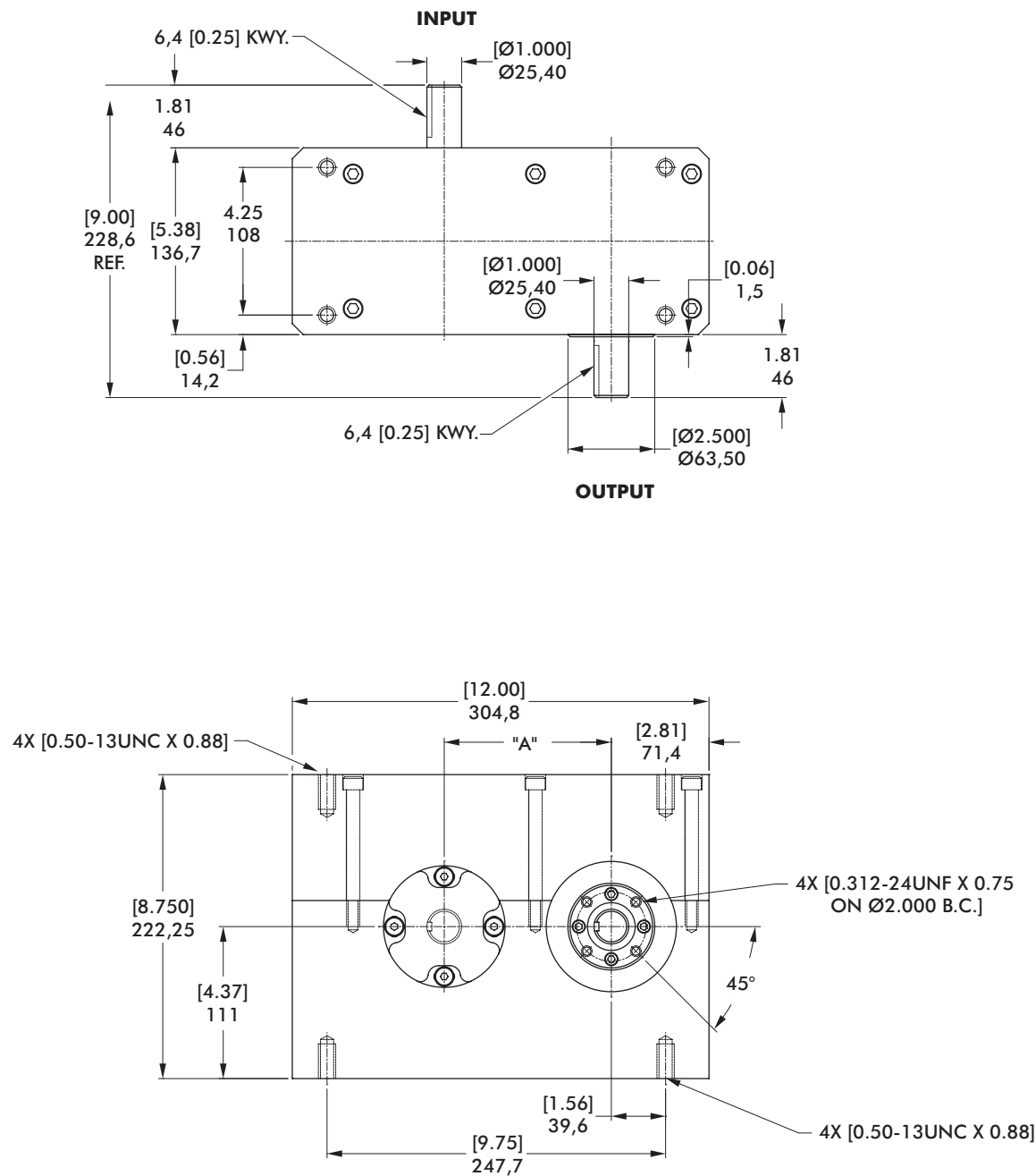
±19 arcsec / ±0,008 mm [±.0003 in] at 76,2 mm [3 in] Radius

Optional Accessories

- 1/3 hp DC motor
- Varipak DC Motor Control (up to 30 cpm)
- R225 Reducer (ratios from 10:1 to 60:1)
 - 1 hp AC or DC drive package
 - 56C Motor Adapter and Coupling
- Output Overload Clutch Models: .39F, .39FC, .39S and .39C, .39C-SD, .39FC-SD, .39S-SD
 - Available Settings (in-lb): 160, 210, 270, 320, 390
- Dual Cycle Cam and Limit Switch
- Oscillating motion
- Double Input Shaft
- Double Output Shaft
- Output and Input Vertical Mounting

387P SERIES

Parallel Shaft/Flange Drives | Dimensions



mm [INCH]

THIRD ANGLE
PROJECTION

387P Indexer Capacities						
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	"A" Center mm [in]
1	300	msc.66	156 [1385]	41,0 [14]	387P1H28-300	122,22 [4.812]
1.33	315	msc.10	120 [1062]	38,0 [13]	387P1.33H28-315	122,22 [4.812]
1.5	300	ms	124 [1099]	38,0 [13]	387P1.5H28-300	122,22 [4.812]
2	270	msc.33	202 [1788]	41,0 [14]	387P2H32-270	122,22 [4.812]
	180	msc.33	237 [2095]	41,0 [14]	387P2H32-180	122,22 [4.812]
2.67	270	msc.33	245 [2171]	41,0 [14]	387P2.67H28-270 II	122,22 [4.812]
3	270	ms	181 [1601]	38,0 [13]	387P3H28-270	101,60 [4.000]
	120	msc.33	234 [2067]	41,0 [14]	387P3H28-120	122,22 [4.812]
4	270	ms	181 [1605]	41,0 [14]	387P4H28-270	101,60 [4.000]
	90	msc.33	250 [2214]	41,0 [14]	387P4H28-90	122,22 [4.812]
6	270	ms	276 [2445]	38,0 [13]	387P6H28-270 II	101,60 [4.000]
	180	ms	278 [2463]	38,0 [13]	387P6H28-180 II	122,22 [4.812]
8	270	ms	269 [2378]	41,0 [14]	387P8H28-270 II	101,60 [4.000]

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

Features

- Single Input Shaft and Single Output Shaft
- Output horizontal even with input Mounting
- R225 Reducer (ratios from 10:1 to 60:1)
 - 56C Motor Adapter and Coupling
- 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Single Cycle Cam and Limit Switch

Output Load Capacity (loads carried during index):

Radial	3981 N [895 lbs]
Thrust/Axial	2567 N [577 lbs]
Moment	183 N-m [1620 in-lb]

Accuracy

±50 arcsec / ±0,018 mm [±.0007 in]
at 76,2 mm [3 in] Radius

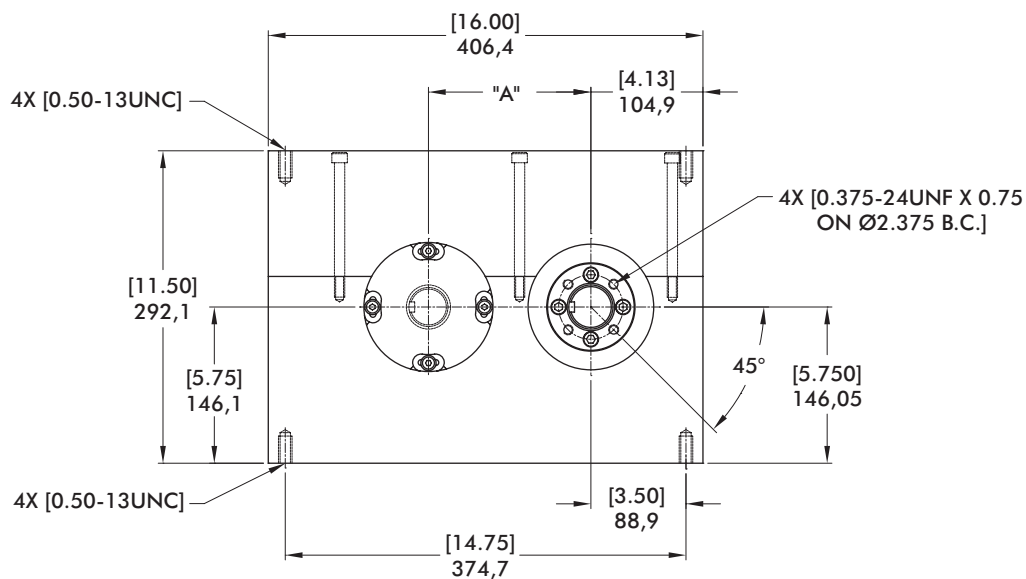
Repeatability

±12 arcsec / ±0,005 mm [±.0002 in]
at 76,2 mm [3 in] Radius

Optional Accessories

- 1 hp DC motor
- Varipak DC Motor Control (up to 30 cpm)
- R260 Reducer (ratios from 5:1 to 60:1)
 - 1 hp AC or DC drive package
 - 56C Motor Adapter and Coupling
- Output Overload Clutch Models: 2.3F, 2.3FC, 2.3S and 2.3C, 2.3C-SD, 2.3FC-SD, 2.3S-SD
 - Available Settings (in-lb): 400, 600, 700, 850, 1000, 1300, 1800, 2000, 2300
- Dual Cycle Cam and Limit Switch
- Oscillating motion
- Double Input Shaft
- Double Output Shaft
- Output and Input Vertical Mounting

Parallel Shaft/Flange Drives | Dimensions



THIRD ANGLE PROJECTION

512P Indexer Capacities						
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	"A" Center mm [in]
1	330	msc.75	728 [6441]	184,4 [63]	512P1H48-330	151,87 [5.979]
1.33	330	msc.33	557 [4928]	178,5 [61]	512P1.33H48-330	151,87 [5.979]
1.5	330	ms	549 [4860]	184,4 [63]	512P1.5H48-330	151,87 [5.979]
	270	msc.33	494 [4373]	178,5 [61]	512P2H40-270	151,87 [5.979]
2	180	msc.50	612 [5416]	178,5 [61]	512P2H40-180	151,87 [5.979]
	120	msc.50	467 [4131]	178,5 [61]	512P2H40-120	151,87 [5.979]
3	300	msc.33	804 [7116]	178,5 [61]	512P2.67H40-300 II	151,87 [5.979]
	180	ms	617 [5462]	163,9 [56]	512P3H40-180	151,87 [5.979]
4	270	ms	635 [5619]	178,5 [61]	512P4H40-270	123,39 [4.858]
	120	ms	706 [6252]	178,5 [61]	512P4H40-120	151,87 [5.979]
6	270	ms	939 [8315]	163,9 [56]	512P6H40-270 II	123,39 [4.858]
	180	ms	933 [8261]	163,9 [56]	512P6H40-180 II	151,87 [5.979]
8	270	ms	948 [8387]	178,5 [61]	512P8H40-270 II	123,39 [4.858]
	180	ms	892 [7894]	178,5 [61]	512P8H40-180 II	151,87 [5.979]

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

Features

- Single Input Shaft and Single Output Shaft
- Output horizontal even with input Mounting
- R225 Reducer (ratios from 10:1 to 60:1)
 - 56C Motor Adapter and Coupling
- 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Single Cycle Cam and Limit Switch

Output Load Capacity (loads carried during index):

Radial	12077 N [2715 lbs]
Thrust/Axial	6112 N [1374 lbs]
Moment	785 N-m [6951 in-lb]

Accuracy

±37 arcsec / ±0,013 mm [±.0005 in] at 76,2 mm [3 in] Radius

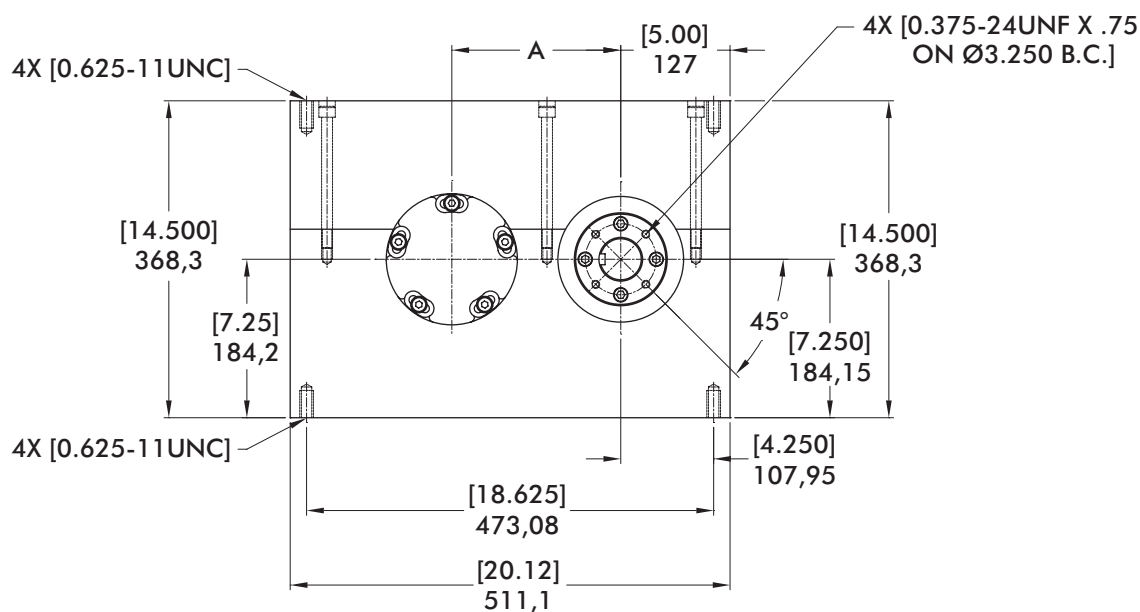
Repeatability

±9 arcsec / ±0,003 mm [±.0001 in] at 76,2 mm [3 in] Radius

Optional Accessories

- 1 hp DC motor
- Varipak DC Motor Control (up to 30 cpm)
- R260 Reducer (ratios from 5:1 to 60:1)
 - 1 hp AC or DC drive package
 - 56C Motor Adapter and Coupling
- Output Overload Clutch Models: 6.0F, 6.0FC, 6.0S and 6.0C, 6.0C-SD, 6.0FC-SD, 6.0S-SD
 - Available Settings (in-lb): 670, 825, 1100, 1400, 1700, 2000, 2300, 2500, 3000, 3800, 4000, 5000, 6000
- Dual Cycle Cam and Limit Switch
- Oscillating motion
- Double Input Shaft
- Double Output Shaft
- Output and Input Vertical Mounting

Parallel Shaft/Flange Drives | Dimensions



THIRD ANGLE
PROJECTION

662P Indexer Capacities						
Stops	Index Period	Motion	B ₁₀ Capacity at 50 RPM N-m [in-lb]	Internal Inertia kg-cm ² [lb-in ²]	Model	"A" Center mm [in]
1	330	msc.50	658 [5824]	403,8 [138]	662P1H48-330	196,32 [7.729]
1.33	330	msc.20	1171 [10368]	971,6 [332]	662P1.33H64-330	196,32 [7.729]
1.5	270	msc.33	1425 [12617]	895,5 [306]	662P1.5H64-270	196,32 [7.729]
2	270	msc.33	770 [6811]	529,7 [181]	662P2H48-270	196,32 [7.729]
	180	msc.50	1329 [11760]	597,0 [204]	662P2H56-180	196,32 [7.729]
3	270	ms	954 [8446]	485,8 [166]	662P3H48-270	168,35 [6.628]
	180	ms	961 [8506]	485,8 [166]	662P3H48-180	196,32 [7.729]
4	270	ms	989 [8752]	529,7 [181]	662P4H48-270	168,35 [6.628]
	120	ms	1100 [9738]	529,7 [181]	662P4H48-120	196,32 [7.729]
6	270	ms	1463 [12946]	485,8 [166]	662P6H48-270 II	168,35 [6.628]
	180	ms	1453 [12863]	485,8 [166]	662P6H48-180 II	196,32 [7.729]
8	270	ms	1476 [13060]	529,7 [181]	662P8H48-270 II	168,35 [6.628]
	120	msc.33	1783 [15780]	529,7 [181]	662P8H48-120	196,32 [7.729]

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

Features

- Single Input Shaft and Single Output Shaft
- Output horizontal even with input Mounting
- R225 Reducer (ratios from 10:1 to 60:1)
 - 56C Motor Adapter and Coupling
- 1 HP AC Drive Package with Inverter Duty Motor and Inverter Drive (up to 60 cpm)
- Single Cycle Cam and Limit Switch

Output Load Capacity (loads carried during index):

Radial	17415 N [3915 lbs]
Thrust/Axial	9083 N [2042 lbs]
Moment	1464 N-m [12959 in-lb]

Accuracy

±36 arcsec / ±0,025 mm [±.001 in]
at 76,2 mm [3 in] Radius

Repeatability

±9 arcsec / ±0,008 mm [±.0003 in]
at 152,4 mm [6 in] Radius

Optional Accessories

- 7350C or 7400C Reducer (ratios from 5:1 to 60:1) with Motor Adapter and Coupling
- 1 hp DC Motor
- Output Overload Clutch Models: 11F, 11FC, 11FC-SD
 - Available Settings (in-lb): 2300, 4000, 6000, 8500, 11000
- Dual Cycle Cam and Limit Switch
- Electric Clutch-Brake
- Air Clutch-Brake
- Oscillating motion
- Double Input Shaft
- Double Output Shaft
- Output and Input Vertical Mounting