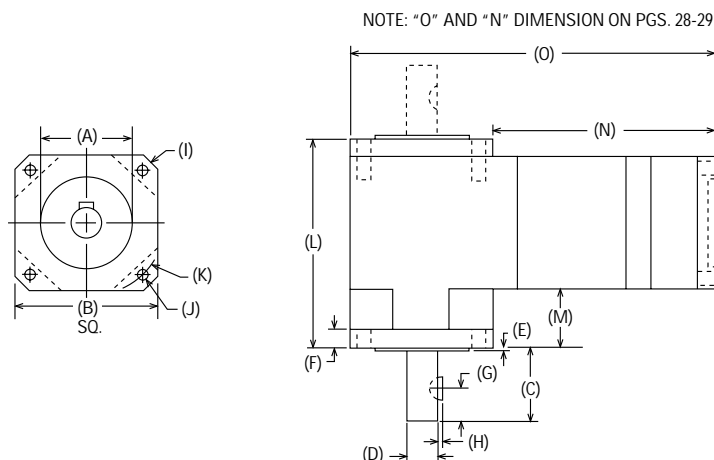


# RN/DN SERIES: PARAGON™ PLANETARY RIGHT ANGLE GEARHEADS

## SINGLE, DOUBLE STAGE-SINGLE OR DOUBLE SHAFT PRECISION GEARHEADS



PART NUMBER	A PILOT DIAMETER (in.)	B SQUARE FLANGE (in.)	C SHAFT LENGTH (in.)	D SHAFT DIAMETER (in.)	E PILOT LENGTH (in.)	F FLANGE THICKNESS (in.)	G KEY LOCATION (in.)	H KEY HEIGHT (in.)
017RNX/017DNX	864/.866	1.65	1.25	.3745/.3750	0.062	0.250	0.56	0.063
023RNX/023DNX	1.498/1.500	2.25	1.25	.4995/.5000	0.062	0.312	0.56	0.063
034RNX/034DNX	2.873/2.875	3.25	1.50	.7495/.7500	0.062	0.500	0.56	0.094
042RNX/042DNX	2.185/2.187	4.20	2.00	.9995/1.0000	0.062	0.500	0.63	0.125
056RNX/056DNX	4.498/4.500	5.75	2.50	1.4995/1.5000	0.125	0.750	0.94	0.187
075RNX/075DNX	5.998/6.000	7.48	3.50	1.9995/2.0000	0.187	0.875	3.00 Lg	0.157
PART NUMBER	I HOUSING DIAMETER (in.)	J BOLT HOLE DIAMETER (in.)	K BOLT HOLE CIRCLE (in.)	L RIGHT ANGLE WIDTH (in.)	M OVERHANG WIDTH (in.)	KEY WIDTH/ WOODRUFF KEY (in.)	RADIAL SHAFT LOADING (LBS.)	AXIAL SHAFT LOADING (LBS.)
017RNX/017DNX	2.05	0.125	1.725	2.72	0.82	0.094 / #303	400	400
023RNX/023DNX	2.95	0.205	2.625	3.55	0.99	0.125 / #404	600	600
034RNX/034DNX	4.38	0.220	3.875	5.14	1.38	0.187 / #606	900	900
042RNX/042DNX	5.51	0.280	4.950	5.89	1.18	0.250 / #808	1400	1400
056RNX/056DNX	7.87	0.410	7.000	8.79	2.28	0.375 / #1212	2200	2200
075RNX/075DNX	9.64	0.560	8.465	11.30	2.95	3/8" x 5/8" RECT.	3200	3200

AVAILABLE RATIOS	EFFICIENCY	SPECIFICATIONS
SINGLE STAGE : 3:1 / 4:1 / 5.5:1 / 7:1 / 10:1	85%	Input RPM: 5000 Max.
DOUBLE STAGE: 16:1 / 22:1 / 28:1 / 40:1 / 49:1 / 55:1 / 70:1 / 100:1	80%	Operating Temperature Range -60°F to +255°F Motor Mounting Hardware Supplied



**PRODUCTS WITH VISION.  
FOR ENGINEERS...BY ENGINEERS.**

The fountains at the Bellagio Casino in Las Vegas, Nevada are **powered by CGI, INC.** precision gearheads.

ALL SPECIFICATIONS SUBJECT TO CHANGE.

# RN/DN SERIES: PARAGON™ PLANETARY RIGHT ANGLE GEARHEADS

## SINGLE, DOUBLE STAGE-SINGLE OR DOUBLE SHAFT

MODEL	RATIO	TORQUE RATING		INERTIA		BACKLASH	GEARHEAD	N	O
		T <sub>C</sub> IN LBS.	T <sub>PEAK</sub> IN LBS.	INPUT PINION OZ IN SEC <sup>2</sup>	GEARHEAD OZ IN SEC <sup>2</sup>	STD/ LOW ARC MINUTES	WEIGHT LBS.	LENGTH TO FLANGE	GEARHEAD LENGTH
017RNX	3:1	125	174	2.163E-04	1.669E-04	14 / 11	2.8	3.30	4.97
017RNX	4:1	119	165	1.352E-04	1.053E-04	14 / 11	2.8	3.30	4.97
017RNX	5.5:1	107	149	1.174E-04	5.870E-05	14 / 11	2.8	3.30	4.97
017RNX	7:1	89	124	1.143E-04	3.692E-05	14 / 11	2.8	3.30	4.97
017RNX	10:1	56	84	1.132E-04	1.833E-05	14 / 11	2.8	3.30	4.97
017RNX	16:1	127	176	1.352E-04	1.045E-04	18 / 13	3.4	3.97	5.62
017RNX	22:1	128	178	1.174E-04	5.830E-05	18 / 13	3.4	3.97	5.62
017RNX	28:1	129	179	1.143E-04	3.667E-05	18 / 13	3.4	3.97	5.62
017RNX	40:1	131	181	1.132E-04	1.821E-05	18 / 13	3.4	3.97	5.62
017RNX	49:1	95	132	1.143E-04	3.479E-05	18 / 13	3.4	3.97	5.62
017RNX	55:1	117	162	1.132E-04	1.755E-05	18 / 13	3.4	3.97	5.62
017RNX	70:1	96	134	1.132E-04	1.729E-05	18 / 13	3.4	3.97	5.62
017RNX	100:1	52	77	1.132E-04	1.708E-05	18 / 13	3.4	3.97	5.62
023RNX	3:1	285	396	1.194E-03	4.866E-04	14 / 11	4.2	4.51	6.78
023RNX	4:1	264	366	9.502E-04	3.113E-04	14 / 11	4.2	4.51	6.78
023RNX	5.5:1	238	330	8.969E-04	1.746E-04	14 / 11	4.2	4.51	6.78
023RNX	7:1	197	274	8.880E-04	1.100E-04	14 / 11	4.2	4.51	6.78
023RNX	10:1	119	179	8.846E-04	5.471E-05	14 / 11	4.2	4.51	6.78
023RNX	16:1	282	391	9.502E-04	3.287E-04	18 / 13	5.2	5.41	7.68
023RNX	22:1	285	396	8.969E-04	1.838E-04	18 / 13	5.2	5.41	7.68
023RNX	28:1	288	400	8.880E-04	1.157E-04	18 / 13	5.2	5.41	7.68
023RNX	40:1	291	405	8.846E-04	5.749E-05	18 / 13	5.2	5.41	7.68
023RNX	49:1	213	295	8.880E-04	1.098E-04	18 / 13	5.2	5.41	7.68
023RNX	55:1	260	362	8.846E-04	5.543E-05	18 / 13	5.2	5.41	7.68
023RNX	70:1	215	298	8.846E-04	5.460E-05	18 / 13	5.2	5.41	7.68
023RNX	100:1	110	164	8.846E-04	5.393E-05	18 / 13	5.2	5.41	7.68
034RNX	3:1	964	1339	4.901E-03	4.672E-03	14 / 11	12.4	6.27	9.53
034RNX	4:1	914	1270	2.522E-03	2.833E-03	14 / 11	12.4	6.27	9.53
034RNX	5.5:1	835	1160	2.040E-03	1.585E-03	14 / 11	12.4	6.27	9.53
034RNX	7:1	701	934	1.955E-03	9.983E-04	14 / 11	12.4	6.27	9.53
034RNX	10:1	507	704	1.923E-03	4.961E-04	14 / 11	12.4	6.27	9.53
034RNX	16:1	986	1370	2.522E-03	2.824E-03	18 / 13	13.4	7.54	10.80
034RNX	22:1	1000	1389	2.040E-03	1.580E-03	18 / 13	13.4	7.54	10.80
034RNX	28:1	1009	1402	1.955E-03	9.952E-04	18 / 13	13.4	7.54	10.80
034RNX	40:1	1023	1421	1.923E-03	4.946E-04	18 / 13	13.4	7.54	10.80
034RNX	49:1	762	1058	1.955E-03	9.417E-04	18 / 13	13.4	7.54	10.80
034RNX	55:1	924	1283	1.923E-03	4.759E-04	18 / 13	13.4	7.54	10.80
034RNX	70:1	770	1070	1.923E-03	4.684E-04	18 / 13	13.4	7.54	10.80
034RNX	100:1	507	761	1.923E-03	4.623E-04	18 / 13	13.4	7.54	10.80

ALL SPECIFICATIONS SUBJECT TO CHANGE.

# RN/DN SERIES: PARAGON™ PLANETARY RIGHT ANGLE GEARHEADS

## SINGLE, DOUBLE STAGE-SINGLE OR DOUBLE SHAFT

MODEL	RATIO	TORQUE RATING		INERTIA		BACKLASH	GEARHEAD	N	O
		T <sub>c</sub> IN LBS.	T <sub>PEAK</sub> IN LBS.	INPUT PINION OZ IN SEC <sup>2</sup>	GEARHEAD OZ IN SEC <sup>2</sup>	STD/ LOW ARC MINUTES	WEIGHT LBS.	LENGTH TO FLANGE	GEARHEAD LENGTH
042RNX	3:1	1726	2398	1.680E-02	1.641E-02	14 / 11	29.0	7.64	11.85
042RNX	4:1	1646	2287	1.032E-02	1.049E-02	14 / 11	29.0	7.64	11.85
042RNX	5.5:1	1516	2106	8.997E-03	5.878E-03	14 / 11	29.0	7.64	11.85
042RNX	7:1	1283	1782	8.766E-03	3.704E-03	14 / 11	29.0	7.64	11.85
042RNX	10:1	936	1300	8.680E-03	1.841E-03	14 / 11	29.0	7.64	11.85
042RNX	16:1	1784	2478	1.032E-02	1.101E-02	18 / 13	35.0	9.24	13.45
042RNX	22:1	1810	2515	8.997E-03	6.156E-03	18 / 13	35.0	9.24	13.45
042RNX	28:1	1829	2540	8.766E-03	3.875E-03	18 / 13	35.0	9.24	13.45
042RNX	40:1	1855	2577	8.680E-03	1.925E-03	18 / 13	35.0	9.24	13.45
042RNX	49:1	1400	1945	8.766E-03	3.706E-03	18 / 13	35.0	9.24	13.45
042RNX	55:1	1688	2344	8.680E-03	1.866E-03	18 / 13	35.0	9.24	13.45
042RNX	70:1	1417	1969	8.680E-03	1.843E-03	18 / 13	35.0	9.24	13.45
042RNX	100:1	1024	1423	8.680E-03	1.823E-03	18 / 13	35.0	9.24	13.45
056RNX	3:1	3877	5385	5.794E-02	7.141E-02	14 / 11	56.0	10.90	16.66
056RNX	4:1	3710	5153	3.123E-02	4.524E-02	14 / 11	56.0	10.90	16.66
056RNX	5.5:1	3425	4758	2.564E-02	2.527E-02	14 / 11	56.0	10.90	16.66
056RNX	7:1	2916	4051	2.470E-02	1.590E-02	14 / 11	56.0	10.90	16.66
056RNX	10:1	2143	2977	2.435E-02	7.899E-03	14 / 11	56.0	10.90	16.66
056RNX	16:1	4047	5622	3.123E-02	4.702E-02	18 / 13	71.0	13.03	18.79
056RNX	22:1	4111	5711	2.564E-02	2.621E-02	18 / 13	71.0	13.03	18.79
056RNX	28:1	4157	5774	2.470E-02	1.648E-02	18 / 13	71.0	13.03	18.79
056RNX	40:1	4220	5862	2.435E-02	8.184E-03	18 / 13	71.0	13.03	18.79
056RNX	49:1	3204	4451	2.470E-02	1.576E-02	18 / 13	71.0	13.03	18.79
056RNX	55:1	3845	5341	2.435E-02	7.932E-03	18 / 13	71.0	13.03	18.79
056RNX	70:1	3246	4509	2.435E-02	7.830E-03	18 / 13	71.0	13.03	18.79
056RNX	100:1	2361	3279	2.435E-02	7.746E-03	18 / 13	71.0	13.03	18.79
075RNX	3:1	10005	36975	1.936E-01	2.930E-01	14 / 11	132.0	14.71	22.21
075RNX	4:1	9535	13245	6.554E-02	1.889E-01	14 / 11	132.0	14.71	22.21
075RNX	5.5:1	9574	13300	4.015E-02	1.062E-01	14 / 11	132.0	14.71	22.21
075RNX	7:1	8107	11261	3.574E-02	6.702E-02	14 / 11	132.0	14.71	22.21
075RNX	10:1	5959	8277	3.410E-02	3.335E-02	14 / 11	132.0	14.71	22.21
075RNX	16:1	11474	15938	6.554E-02	1.928E-01	18 / 13	210.0	17.61	25.09
075RNX	22:1	11671	161212	4.015E-02	1.083E-01	18 / 13	210.0	17.61	25.09
075RNX	28:1	11810	16405	3.574E-02	6.831E-02	18 / 13	210.0	17.61	25.09
075RNX	40:1	12005	16676	3.410E-02	3.398E-02	18 / 13	210.0	17.61	25.09
075RNX	49:1	8976	12469	3.574E-02	6.523E-02	18 / 13	210.0	17.61	25.09
075RNX	55:1	10848	15069	3.410E-02	3.291E-02	18 / 13	210.0	17.61	25.09
075RNX	70:1	9100	12641	3.410E-02	3.247E-02	18 / 13	210.0	17.61	25.09
075RNX	100:1	6447	9184	3.410E-02	3.212E-02	18 / 13	210.0	17.61	25.09

ALL SPECIFICATIONS SUBJECT TO CHANGE.

**NOTES:** Other ratios are also available, consult factory.  
 T<sub>c</sub>: Output torque is rated at 3000 RPM, and a minimum life of 10,000 hours.  
 Bearing load ratings are based on a minimum life of 10,000 hours.  
 Torque specifications for the RNX and DNX are the same.