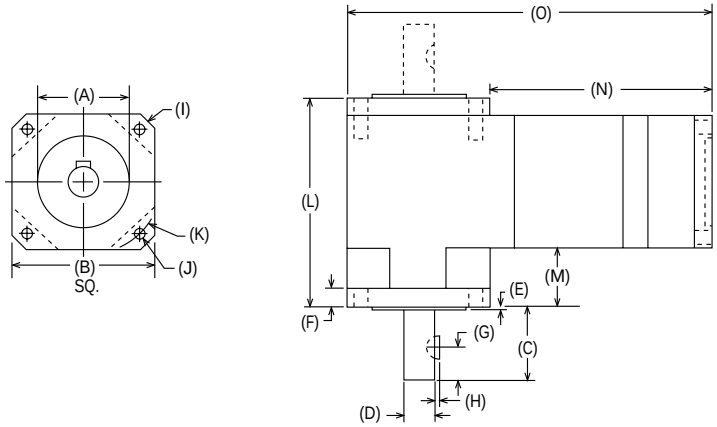
RN/DN SERIES: PARAGON™ PLANETARY RIGHT ANGLE GEARHEADS

SINGLE, DOUBLE STAGE-SINGLE OR DOUBLE SHAFT PRECISION GEARHEADS

NOTE: "O" AND "N" DIMENSION ON PGS. 28-29



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

		TORQUE RATING		INERTIA		BACKLASH	GEARHEAD	N	O
MODEL	RATIO	T_C	T_{PEAK}	INPUT PINION	GEARHEAD	STD/ LOW	WEIGHT	LENGTH	GEARHEAD
		IN LBS.	*IN LBS.*	*0Z IN SEC²*	*0Z IN SEC²*	*ARC MINUTES*	*LBS.*	TO FLANGE	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

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		TORQUE RATING		INERTIA		BACKLASH	GEARHEAD	N	O
MODEL	RATIO	T_C	T_{PEAK}	INPUT PINION	GEARHEAD	STD/ LOW	WEIGHT	LENGTH	GEARHEAD
		IN LBS.	*IN LBS.*	*0Z IN SEC²*	*0Z IN SEC²*	*ARC MINUTES*	*LBS.*	TO FLANGE	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_C: 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.