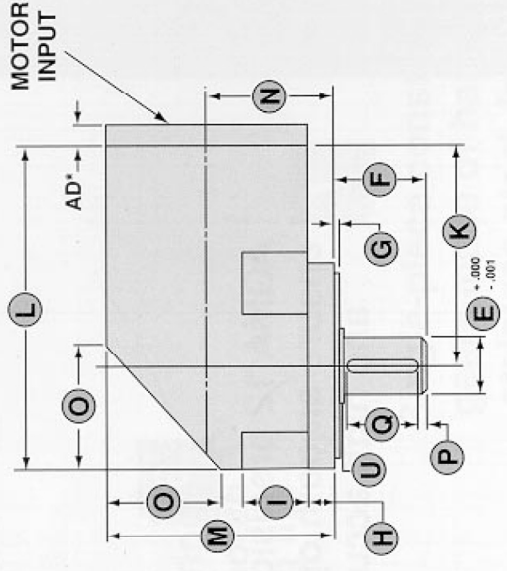
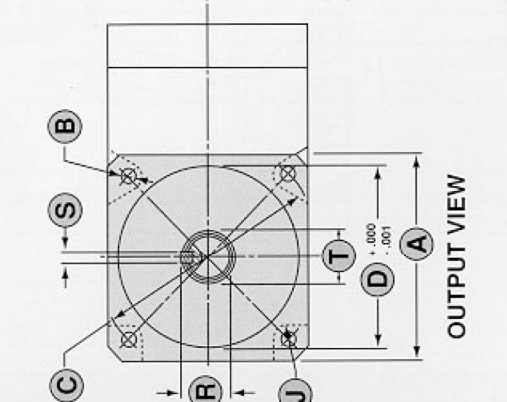


Model No.	Square Flange A		Bolt Hole B		Bolt Circle C		Pilot Diameter D		Output Shaft Diameter E		Output Shaft Length F		Pilot Thickness G		Flange Thickness H		Housing Diameter I	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
PG60	2.36	60	0.197	5.0	2.756	70	1.969	50	0.630	16	0.98	25	0.098	2.5	0.51	13	3.15	80
PG90	3.54	90	0.256	6.5	3.937	100	3.150	80	0.787	20	1.57	40	0.118	3.0	0.47	12	4.57	116
PG115	4.53	115	0.335	8.5	5.118	130	4.331	110	0.945	24	1.97	50	0.138	3.5	0.55	14	5.71	145
PG142	5.59	142	0.433	11.0	6.496	165	5.118	130	1.575	40	3.15	80	0.138	3.5	0.79	20	7.28	185
PG180	7.17	182	0.512	13.0	8.465	215	6.299	160	1.969	50	3.74	95	0.394	10.0	0.98	25	9.61	244
PG220	8.66	220	0.669	17.0	9.843	250	7.087	180	2.953	75	6.10	155	0.591	15.0	1.38	35	11.50	292

Model No.	Housing Recess J		Recess Length K		Length L		Dist. of Key from Shaft End M		Keyway Length N		Keyway Height O		Keyway Thickness P		Shoulder Height Q		Shoulder Diameter R	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
PG60	R.197	5	1.02	26	3.08	78.2	0.118	3	0.630	16	0.709	18.0	0.20	5	0.04	1.0	0.87	22
PG90	R.276	7	1.34	34	3.75	95.3	0.197	5	1.102	28	0.886	22.5	0.24	6	0.04	1.0	1.42	36
PG115	R.315	8	1.57	40	4.61	117.1	0.276	7	1.260	32	1.063	27.0	0.31	8	0.06	1.5	1.37	35
PG142	R.394	10	2.48	63	7.01	178.1	0.315	8	2.480	63	1.693	43.0	0.47	12	0.06	1.5	1.97	50
PG180	R.512	13	2.99	76	8.74	222.0	0.236	6	2.756	70	2.106	53.5	0.55	14	0.08	2.0	2.56	65
PG220	R.630	16	3.68	93	11.57	294.0	0.315	8	3.937	100	3.150	80.0	0.79	20	0.08	2.0	3.54	90



OUTPUT VIEW

Model No.	Square Flange A		Bolt Hole B		Bolt Circle C		Pilot Diameter D		Output Shaft Diameter E		Output Shaft Length F		Pilot Thickness G		Flange Thickness H		Recess Length I		Radius J	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
RA60	2.36	60	0.197	5.0	2.756	70	1.969	50	0.630	16	0.98	25	0.098	2.5	0.51	13	1.06	27	R.187	5
RA90	3.54	90	0.256	6.5	3.937	100	3.150	80	0.787	20	1.57	40	0.118	3.0	0.47	12	1.25	32	R.263	7
RA115	4.53	115	0.335	8.5	5.118	130	4.331	110	0.945	24	1.97	50	0.138	3.5	0.55	14	1.55	39	R.296	8
RA142	5.59	142	0.433	11.0	6.496	165	5.118	130	1.575	40	3.15	80	0.138	3.5	0.79	20	3.00	76	R.410	10
RA180	7.17	182	0.512	13.0	8.465	215	6.299	160	1.969	50	3.74	95	0.394	10.0	0.98	25	3.12	79	R.500	13
RA220	8.66	220	0.669	17.0	9.843	250	7.087	180	2.953	75	6.10	155	0.591	15.0	1.38	35	3.50	89	R.625	16

Model No.	Dist. to Output Centerline K		Length L		Width M		Dist. to Input Centerline N		Taper Dist. O		Dist. from Key to Shaft End P		Keyway Length Q		Keyway Height R		Keyway Thickness S		Shoulder Height U		Shoulder Diameter T	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
RA60	2.83	72	4.02	102	2.87	73	1.69	43	1.50	38	0.630	16	0.71	18.0	0.197	5	0.04	1	0.87	22		
RA90	3.58	91	5.35	136	3.94	100	2.17	55	2.03	52	1.102	28	0.89	22.5	0.236	6	0.04	1	1.42	36		
RA115	4.61	117	6.85	174	5.08	129	2.83	72	2.83	72	1.260	32	1.06	27.0	0.315	8	0.06	1.5	1.57	40		
RA142	6.57	167	9.47	241	6.38	162	3.58	91	3.31	84	2.480	63	1.69	43.0	0.472	12	0.06	1.5	1.97	50		
RA180	8.39	213	11.97	304	8.15	207	4.57	116	4.49	114	2.756	70	2.11	53.5	0.551	14	0.08	2	2.56	65		
RA220	10.12	257	14.45	367	9.92	252	5.59	142	4.82	123	3.937	100	3.15	80.0	0.787	20	0.08	2	3.54	90		

Model No.	Rated Output Torque		Peak Output Torque		Rated Input Speed RPM	Standard Backlash arcminutes	Low Backlash arcminutes	Average Efficiency %
	in-lbs	Nm	in-lbs	Nm				
PG60	300	33.0	498	56.3	5000	10	5	90
PG90	800	90.4	1328	150.1	5000	10	5	90
PG115	1600	180.8	2656	300.1	5000	10	5	90
PG142	4600	519.8	7636	862.9	4000	10	5	90
PG180	8000	904.0	15000	1695.0	4000	10	5	90
PG220	12000	1356.0	20000	2260.0	4000	10	5	90

Model No.	Moment of Inertia		Torsional Stiffness		Maximum Weight		Radial Load (1)		Axial Load	
	oz-in-sec ²	kg-m ²	in-lbs/min	Nm/min	lbs	kg	lbs	N	lbs	N
PG60	6×10^{-4}	4×10^{-6}	50	5.7	3	1.4	400	1779.4	400	1779.4
PG90	3×10^{-3}	2×10^{-5}	80	9.0	7	3.2	600	2669.0	600	2669.0
PG115	7×10^{-3}	5×10^{-5}	140	15.8	16	7.3	1100	4893.2	1100	4893.2
PG142	5×10^{-2}	4×10^{-4}	360	40.7	26	11.8	1800	8007.1	1800	8007.1
PG180	9×10^{-2}	6×10^{-4}	640	72.3	65	29.5	2800	12455.5	2800	12455.5
PG220	3×10^{-1}	2×10^{-3}	960	108.5	160	72.6	10000	44484.0	10000	44484.0

(1) Radial loads are measured at 1.00 inches (25.4mm) from the face of the gearhead.

Model No.	Rated Output Torque		Peak Output Torque		Rated Input Speed RPM	Standard Backlash arcminutes	Low Backlash arcminutes	Average Efficiency %
	in-lbs	Nm	in-lbs	Nm				
RA60	300	33.0	498	56.3	5000	10	5	90
RA90	800	90.4	1328	150.1	5000	10	5	90
RA115	1600	180.8	2656	300.1	5000	10	5	90
RA142	4600	519.8	7636	862.9	4000	10	5	90
RA180	8000	904.0	15000	1695.0	4000	10	5	90
RA220	12000	1356.0	20000	2260.0	4000	10	5	90

Model No.	Moment of Inertia		Torsional Stiffness		Maximum Weight		Radial Load (1)		Axial Load	
	oz-in-sec ²	kg-m ²	in-lbs/min	Nm/min	lbs	kg	lbs	N	lbs	N
RA60	6×10^{-4}	4×10^{-6}	50	5.7	5	2.3	400	1779.4	400	1779.4
RA90	3×10^{-3}	2×10^{-5}	80	9.0	9	4.1	600	2669.0	600	2669.0
RA115	7×10^{-3}	5×10^{-5}	140	15.8	20	9.1	1100	4893.2	1100	4893.2
RA142	5×10^{-2}	4×10^{-4}	360	40.7	43	19.5	1800	8007.1	1800	8007.1
RA180	9×10^{-2}	6×10^{-4}	640	72.3	85	38.6	2800	12455.5	2800	12455.5
RA220	3×10^{-1}	2×10^{-3}	960	108.5	160	72.6	10000	44484.0	10000	44484.0

(1) Radial loads are measured at 1.00 inches (25.4mm) from the face of the gearhead.

For standard gearhead ratios see part numbers in price list