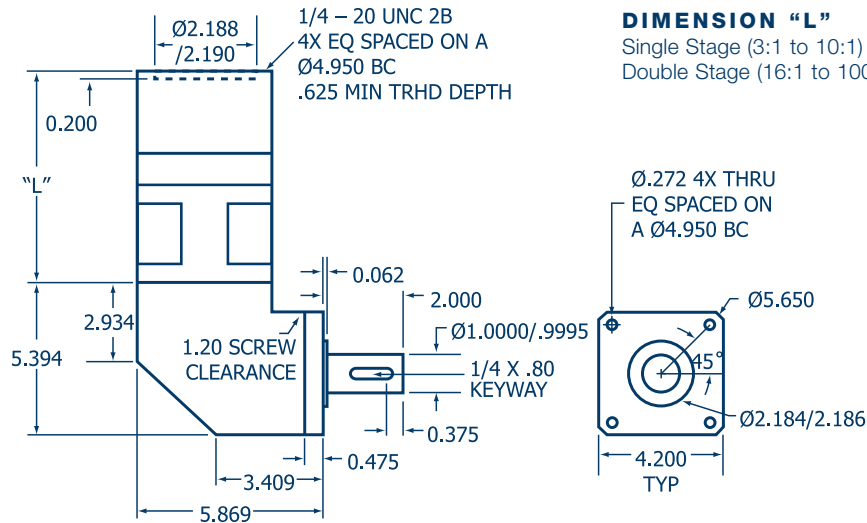


SIZE 42 RIGHT ANGLE PRECISION PLANETARY



Part #	Ratio	Continuous output torque at 1500 rpm input (in-lbs)	Continuous output torque at 3500 rpm input (in-lbs)	Continuous output torque at 5000 rpm input (in-lbs)	Gearhead inertia at input (lb-in-sec ²)	
SINGLE STAGE	42RP003	3:1	1100	1100	894	4.76 x 10 ⁻³
	42RP004	4:1	1100	1100	983	2.42 x 10 ⁻³
	42RP005	5.5:1	1100	1100	1062	1.33 x 10 ⁻³
	42RP007	7:1	1100	1100	1100	9.13 x 10 ⁻⁴
	42RP010	10:1	1100	1100	1029	5.76 x 10 ⁻⁴
DOUBLE STAGE	42RP016	16:1	1375	1375	1375	1.14 x 10 ⁻³
	42RP022	22:1	1375	1375	1375	6.47 x 10 ⁻⁴
	42RP028	28:1	1375	1375	1375	4.94 x 10 ⁻⁴
	42RP040	40:1	1375	1375	1375	3.71 x 10 ⁻⁴
	42RP049	49:1	1375	1375	1375	4.65 x 10 ⁻⁴
	42RP055	55:1	1375	1375	1375	3.60 x 10 ⁻⁴
	42RP070	70:1	1375	1375	1375	3.57 x 10 ⁻⁴
	42RP100	100:1	1375	1375	1375	3.53 x 10 ⁻⁴

GENERAL SPECIFICATIONS

Construction Type	Ratio	Backlash: Standard (arc-minutes)	Backlash: Low Backlash (arc-minutes)	Efficiency	Weight (lbs)	Maximum Tested Input rpm
Single Stage	3:1 to 10:1	10	7	90%	22.43	5000
Double Stage	16:1 to 100:1	14	11	85%	34.01	5000

PEAK TORQUE: 15% above continuous rating. **NOTE:** Repeated peak torque loading may cause failure.