

Geared dc instrument motors

P5 / 9904 120 series

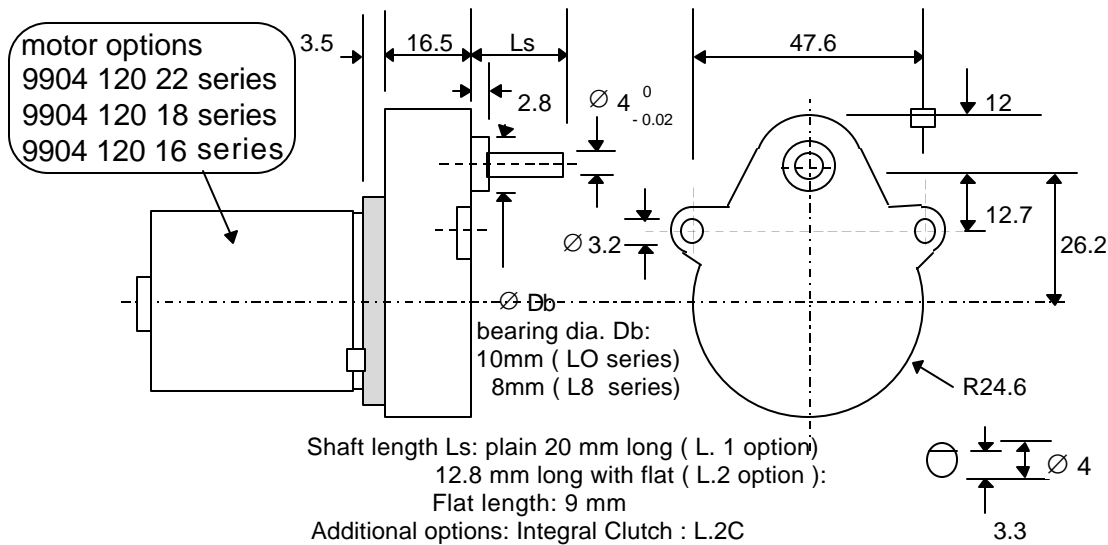
The P5 series gearhead is a high quality ovoid unit designed specifically for use with high performance ironless rotor dc motors. The unit utilises a combination of steel pinions and brass gears for reduced wear and optimum strength. Each gear stage is mounted in bronze alloy bearings incorporating a lubrication reservoir for enhanced life while the precision cut spur geartrain ensures excellent smoothness to compliment the motor's ironless rotor technology.



Options include:

- 18 standard gear ratio options
- Alternative standard shafts
- Optional integral freewheel assembly
- Optional integral friction clutch assembly
- Optional positional servo version with choice of single or multi-turn potentiometer

Dimensions: mm.



Performance Options:

using 9904 120 18 series

Order Code	Standard Ratios	Rated Speed rpm	Rated Torque Ncm	Peak Torque Ncm
P5-G01	25:6	720	1.5	8.7
P5-G03	25:4	480	2.3	13.1
P5-G04	25:3	360	3.0	17.4
P5-G05	10:1	300	3.3	18.9
P5-G06	25:2	240	4.1	23.6
P5-G08	50:3	180	5.4	31.4
P5-G09	20:1	150	6.5	37.7
P5-G11	25:1	120	8.1	47
P5-G14	100:3	90	10.8	62
P5-G16	125:3	72	13.5	78
P5-G17	50:1	60	16.3	80
P5-G19	125:2	48	18	80
P5-G21	250:3	36	24	80
P5-G23	125:1	24	36	80
P5-G27	250:1	12	60	80
P5-G34	500:1	6	65	85
P5-G41	1,250:1	2.4	70	90
P5-G62	15,000:1	0.2	80	100

9904 120 16 series

Rated Speed rpm	Rated Torque Ncm	Peak Torque Ncm
570	4.5	19
380	6.8	25
280	9.0	35
240	9.8	40
190	12.2	45
144	16.2	60
120	19.5	65
96	24.4	70
72	32.5	75
60	40	80
48	45	80
38	50	80
30	54	80
20	60	80
10	70	80

Maximum Radial Load on Gearbox output shaft: : 50 N, 8 mm from mounting face
Maximum Axial Load for press fit on shaft :150 N