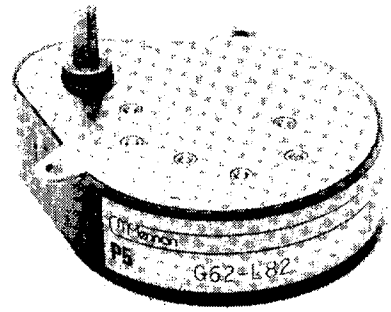
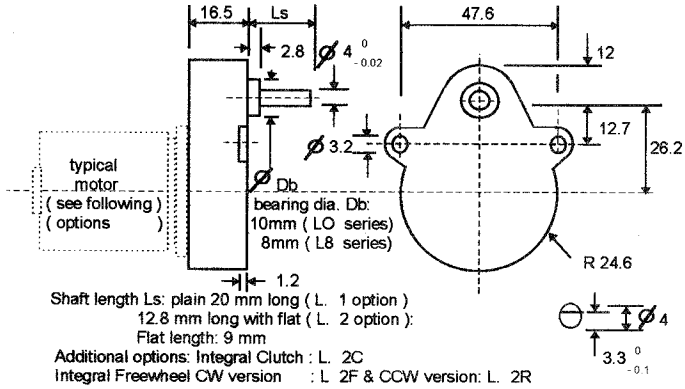
high precision instrument gearhead P5 series

The P5 series instrument gearhead conforms to the international ovoid standard. The units have established a reputation for excellent running consistency & incorporate precision spur cut brass gears and steel pinions mounted on spindles running in bronze alloy bearings which feature lubrication reservoirs for extended life. P5 series units have been designed to readily accept a wide range of motors and offer a comprehensive programme of options including integral torque limiting clutches and freewheels. These, together with two standard shaft and output bearing location diameters are standard stock options while special shaft and alternative gear ratios may be specified to special order.



Dimensions: mm.



Standard Gear ratios & specification:

Order Code	Ratio	Efficiency (%)	Max Output Torque (Nm)
P5-G01	25:6	80	0.20
P5-G03	25:4	80	0.25
P5-G04	25:3	80	0.35
P5-G05	10:1	70	0.40
P5-G06	25:2	70	0.45
P5-G08	50:3	70	0.60
P5-G09	20:1	70	0.65
P5-G11	25:1	70	0.70
P5-G14	100:3	70	0.75
P5-G16	125:3	70	0.80
P5-G17	50:1	70	0.80
P5-G19	125:2	65	0.80
P5-G21	250:3	65	0.80
P5-G23	125:1	65	0.80
P5-G27	250:1	65	0.80
P5-G34	500:1	58	0.85
P5-G41	1250:1	58	0.90
P5-G62	15,000:1	43	1.0

Max recommended input speed : 5000 rpm

Max Radial load : 50 N
(@ 8 mm from mounting face)

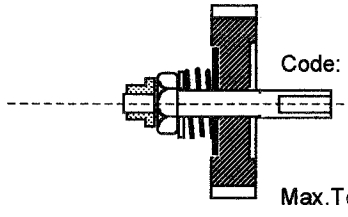
Max Static Axial load : 150 N
(for press fit on shaft)

Ambient temperature range (degree C) : -30 to +65

Direction of rotation @ output with respect to input:

Ratios Codes	Direction
P5-G01 to G04	Same (2 stage)
P5-G05 to G17	Opposite (3 stage)
P5-G19 to G27	Same (4 stage)
P5-G34 to G41	Opposite (5 stage)
P5-G62	Opposite (7 stage)

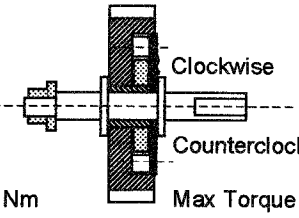
Friction Clutch Option



Code: L- 2C

Max.Torque: 0.6 Nm

Freewheel Option



Clockwise : L- 2F

Counterclock: L- 2R

Max Torque : 0.4 Nm