



PLS / PLV

High Precision Planetary Servo Gearhead

OP1 - Configuration Inertias, Ordering (Type) Code



PLS / PLV Gearhead with solid input shaft (OP1) Moment of Inertia (at the high speed side) $kgcm^2$ ($lbin.sec^2 10^{-4}$)

<i>PLS 70 PLV 70</i>	<i>PLS 90 PLV 90</i>	<i>PLS 115 PLV 115</i>	<i>PLS 142 PLV 142</i>	<i>PLS 190</i>	<i>Ratio</i>	<i>Stages</i>
0.70 (6.19)	1.46 (12.9)	4.20 (37.1)	16.9 (150)	47.5 (421)	3	1
0.59 (5.22)	1.24 (10.9)	3.67 (32.4)	12.6 (112)	29.7 (263)	4	1
0.55 (4.86)	1.17 (10.4)	3.40 (30.0)	11.0 (97.3)	23.2 (205)	5	1
0.51 (4.51)	1.10 (9.73)	3.24 (28.6)	9.64 (85.3)	16.8 (149)	8	1
0.50 (4.42)	1.08 (9.55)	3.18 (28.1)	9.29 (82.2)	15.3 (136)	10	1
0.58 (5.10)	1.40 (12.3)	4.20 (37.1)	17.2 (152)	30.3 (268)	12	2
0.55 (4.80)	1.40 (12.3)	4.10 (63.2)	17.0 (150)	23.5 (208)	15	2
0.58 (5.10)	1.21 (10.7)	3.63 (32.1)	12.3 (109)	28.9 (256)	16	2
0.54 (4.70)	1.15 (10.1)	3.62 (32.0)	11.7 (103)	22.7 (201)	20	2
0.54 (4.70)	1.14 (10.0)	3.41 (30.1)	10.8 (95.4)	22.5 (198)	25	2
0.51 (4.50)	1.10 (9.70)	3.60 (31.8)	11.3 (100)	16.7 (147)	32	2
0.51 (4.50)	1.08 (9.50)	3.22 (28.4)	10.3 (91.1)	16.5 (146)	40	2
0.51 (4.50)	1.08 (9.50)	3.22 (28.4)	9.52 (84.2)	16.4 (145)	64	2
0.50 (4.42)	1.08 (9.50)	3.17 (28.0)	9.21 (81.5)	15.1 (133)	100	2

- Ordering (Type) Code -

PLS 115 - 10 / MOTOR - OP8

Gearbox Type:
PLS, PLV

Size:
**70
90
115
142
190**

Reduction
Ratio:

**3, 4, 5, 8, 10,
12, 15, 16, 20,
25, 32, 40, 64,
100**

MOTOR description
Manufacturer, Type and
Size

or
Motor shaft diameter/
Motor shaft length/
Pilot diameter/
Bolt circle diameter/
Bolt hole diameter

Options:

- OP1** - Free solid input shaft
- OP3** - Case Mounting
- OP4** - Foot Mounting
- OP7** - Keyed Output Shaft
- OP8** - Custom Output Shaft
- OP11** - PL Keyed Output Shaft
- OP12** - ATEX explosion proof certificate
- LS** - Food grade grease
- EP** - Stainless Epoxy Coating

Example: PLS 115-08 / AC Servo Motor XYZ-OP8

**NOTE : In case motor description (Manufacturer, Type, Size) is not available submit following motor dimensions:
Motor Shaft Diameter / Motor Shaft Length / Motor Flange Pilot (Centering) Diameter /
Motor Flange Pilot Length / Motor Flange Bolt Circle Diameter / Motor Flange Bolt Hole Diameter**