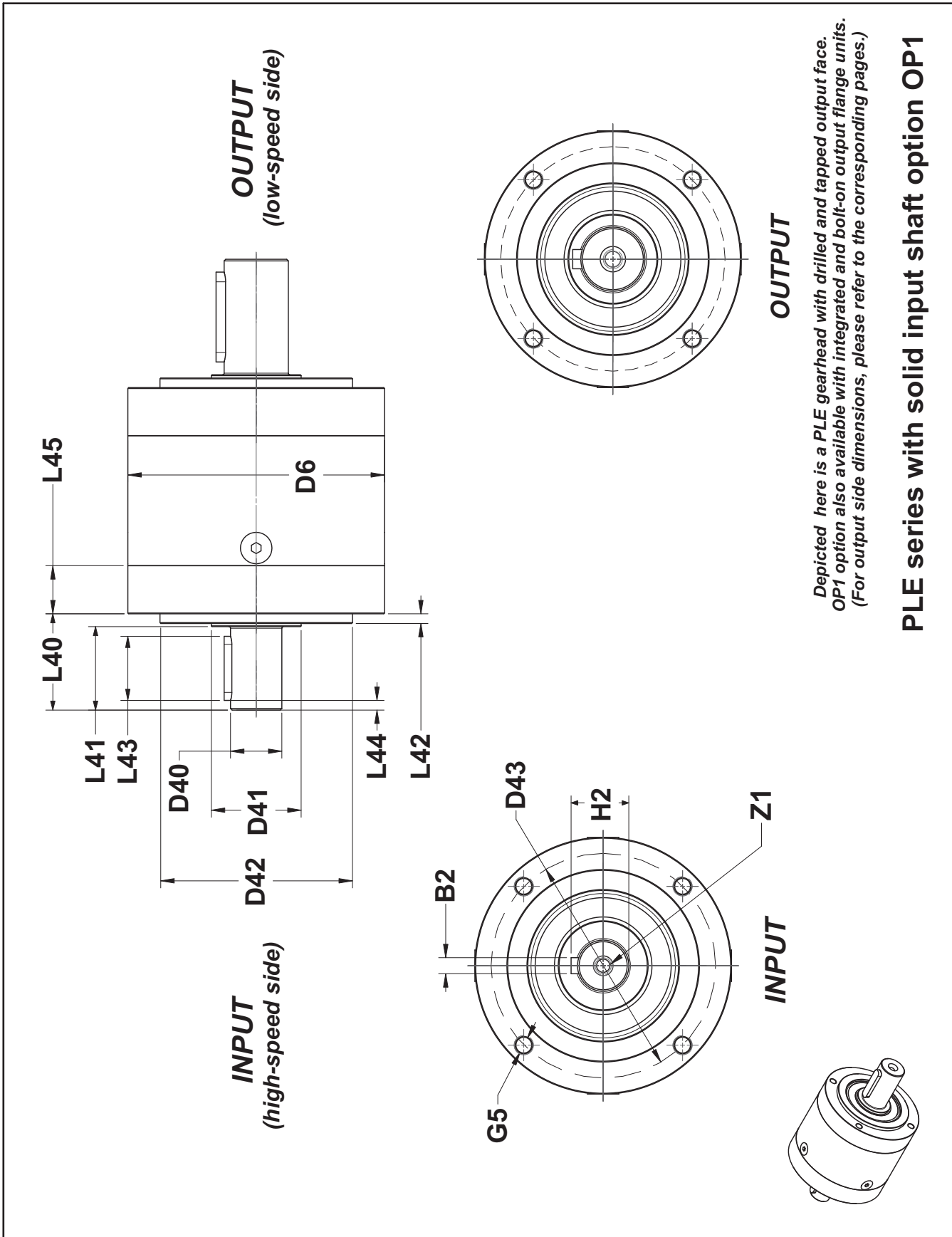




PLE

With Solid Input Shaft Option OP1





PLE

In-Line Planetary Servo Gearhead

With Solid Input Shaft Option OP1



DIMENSIONS mm (in.)		Tol. / #	PLE 40	PLE 60 PLE 60/70 PLE 60 / NEMA	PLE 80 PLE 80/90 PLE 80 / NEMA	PLE 120 PLE120/115 PLE120/NEMA	PLE 160
D6	Housing Diameter		40 (1.574)	60 (2.362)	80 (3.149)	115 (4.527)	160 (6.299)
D40	Input Shaft diameter	j6	8 (0.314)	10 (0.393)	16 (0.629)	20 (0.787)	35 (1.377)
D41	Shaft collar diameter		12 (0.472)	17 (0.669)	25 (0.984)	35 (1.377)	55 (2.165)
D42	Pilot diameter	h7	26 (1.023)	40 (1.574)	60 (2.362)	80 (3.149)	110 (4.330)
D43	Input face bolt circle		34 (1.338)	52 (2.047)	70 (2.755)	100 (3.937)	130 (5.118)
L40	Shaft length from mounting face		20 (0.787)	28 (1.102)	30 (1.181)	45 (1.771)	65 (2.559)
L41	Shaft length from collar		17 (0.669)	23 (0.905)	26 (1.023)	40 (1.574)	58 (2.283)
L42	Pilot length		2 (0.078)	3 (0.118)	3 (0.118)	4 (0.157)	5 (0.196)
L43	Shaft key length		12 (0.472)	18 (0.708)	20 (0.787)	32 (1.259)	45 (1.771)
L44	Key location from shaft end		2.5 (0.098)	2.5 (0.098)	3 (0.118)	4 (0.157)	7 (0.275)
L45	Input housing length		10.2 (0.041)	12.7 (0.5)	15 (0.590)	31 (1.220)	58 (2.283)
G5	Mounting hole M thread x depth	4	M4 X 6	M5 x 8	M6 x 10	M10 x 16	M10 x 25
B2	Key width (DIN 6885 T1)		2 (0.078)	3 (0.118)	5 (0.196)	6 (0.236)	10 (0.393)
H2	Shaft + key height		8.8 (0.346)	11.2 (0.440)	18 (0.708)	22.5 (0.885)	38 (1.496)
Z1	Input shaft M thread x depth		M3 x 9	M3 x 9	M5 x 12	M6 x16	M12 x 38
	Recommended peak input speed rpm		18000	13000	7000	6500	4500
	Recommended mean input speed rpm		Any rpm as long as the gearbox temp. does not exceed +90°C (194°F)				
	Permissible input shaft loading ⁽¹⁾		Based on 10000 hr L10 life at 1000 rpm shaft speed				
Radial	N (lb)		100 (22.5)	250 (56.2)	450 (101)	1000 (224.8)	1400 (314.7)
Axial	N (lb)		120 (27)	300 (67.4)	500 (112.4)	1300 (292)	1600 (359)
⁽¹⁾ Listed values are at 1000 rpm input speed; load at shaft midpoint; 10000 hrs L10 bearing life.							

For Output (Low-Speed Side) Dimensions Please See Previous Pages.

Depend upon gearhead type i.e. : 1 - Standard PLE with tapped mounting holes: Pages 6-7
 2 - PLE with integrated Output flange: Pages 8-9
 3 - PLE with bolt-on Output flange: Pages 10-11