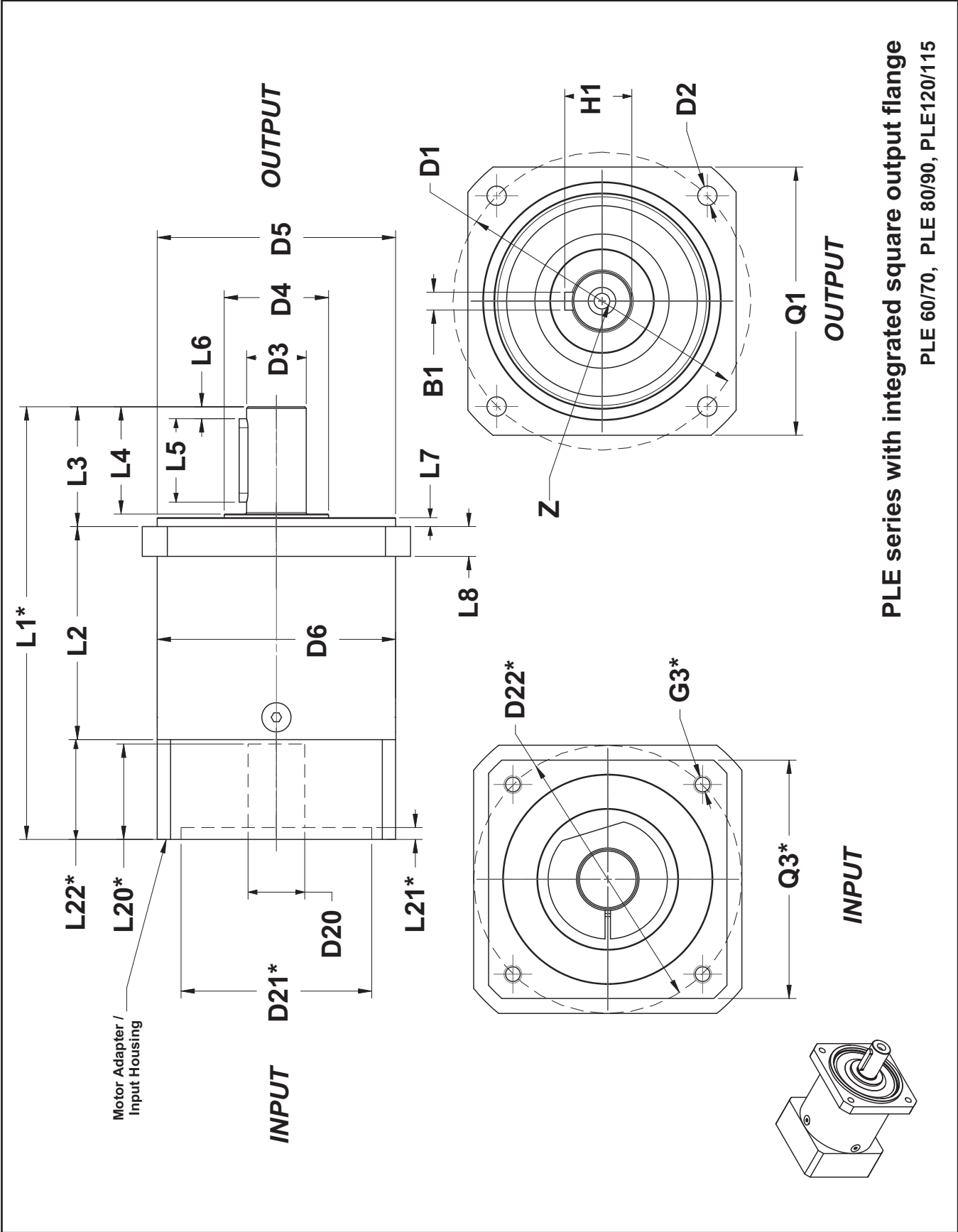


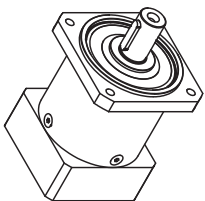
PLE

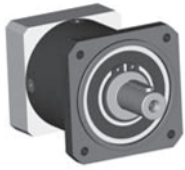
In-Line Planetary Servo Gearhead

With Integrated Square Output Flange



PLE series with integrated square output flange
 PLE 60/70, PLE 80/90, PLE120/115





PLE

In-Line Planetary Servo Gearhead

With Integrated Square Output Flange



DIMENSIONS mm (in.)		Tol. / #	PLE 60/70	PLE 80/90	PLE 120/115
D1	Output flange bolt circle		75 (2.953)	100 (3.937)	130 (5.118)
D2	Output flange mounting hole diameter	4	5.5 (0.217)	6.5 (0.256)	8.5 (0.334)
D3	Output shaft diameter	h7	16 (0.630)	20 (0.787)	25 (0.984)
D4	Shaft collar diameter		20 (0.787)	35 (1.377)	35 (1.377)
D5	Output flange pilot diameter	h7	60 (2.362)	80 (3.149)	110 (4.330)
D6	Planetary housing diameter		60 (2.362)	80 (3.149)	115 (4.527)
Q1	Output flange - square		70 (2.756)	90 (3.543)	115 (4.527)
L2	Main housing length	1-Stage	55 (2.165)	71.5 (2.814)	99 (3.897)
		2-Stage	67.5 (2.657)	88.5 (3.484)	126 (4.960)
		3-Stage	80 (3.150)	106 (4.173)	153 (6.023)
L3	Output shaft length (from mounting face)		32 (1.260)	40 (1.574)	55 (2.165)
L4	Output shaft length (from collar)		28 (1.102)	36 (1.417)	50 (1.968)
L5	Key length		20 (0.787)	28 (1.102)	40 (1.574)
L6	Key location from shaft end		4 (0.157)	4 (0.157)	5 (0.196)
L7	Output pilot length		3 (0.118)	3 (0.118)	4 (0.157)
L8	Output flange thickness		10 (0.394)	10 (0.394)	15 (0.590)
B1	Key width		5 (0.197)	6 (0.236)	8 (0.314)
H1	Shaft + key height		18 (0.709)	22.5 (0.885)	28 (1.102)
D20	Max. input bore standard / custom		14 (0.551) / 19 (0.748)	19 (0.748) / 24 (0.945)	24 (0.945) / 35 (1.378)
Z	Output shaft M thread x depth		M5 x 12	M6 x 16	M10 x 22
Available standard bushings ⁽¹⁾		mm	6; 6.35; 7; 8; 9; 9.525; 10; 11; 12; 12.7	9.525; 10; 11; 12; 12.7; 14; 15.875; 16	11; 12.7; 14; 15.875; 16; 19; 19.05; 22; 22.22
		inch	.236; .250; .276; .315; .354; .375; .394; .433; .472; .500	.375; .394; .433; .472; .500; .551; .625; .630	.433; .500; .551; .625; .630; .748; .750; .866; .875
Motor-dependent dimensions: D21*, D22*, L1*, L20*, L21*, L22*, G3*, Q3*			Adapter / Input Housing dimensions and unit overall length depend on motor output geometry. A motor-specific adapter / input housing is supplied with every gearhead.		
L22* - dimension calculation L22* Tolerance: +5 / - 0.0 (+ 0.196 / - 0.0)			Determine L22* calc = motor shaft length + Δ L , if L22* calc ≤ L22* minimum → L22* = L22* minimum + Tolerance if L22* calc > L22* minimum → L22* = L22* calc + Tolerance		
Δ L			1.5 (0.59)	3.5 (0.138)	7.5 (0.295)
L22* minimum			24.5 (0.965)	33.5 (1.319)	47.5 (1.870)