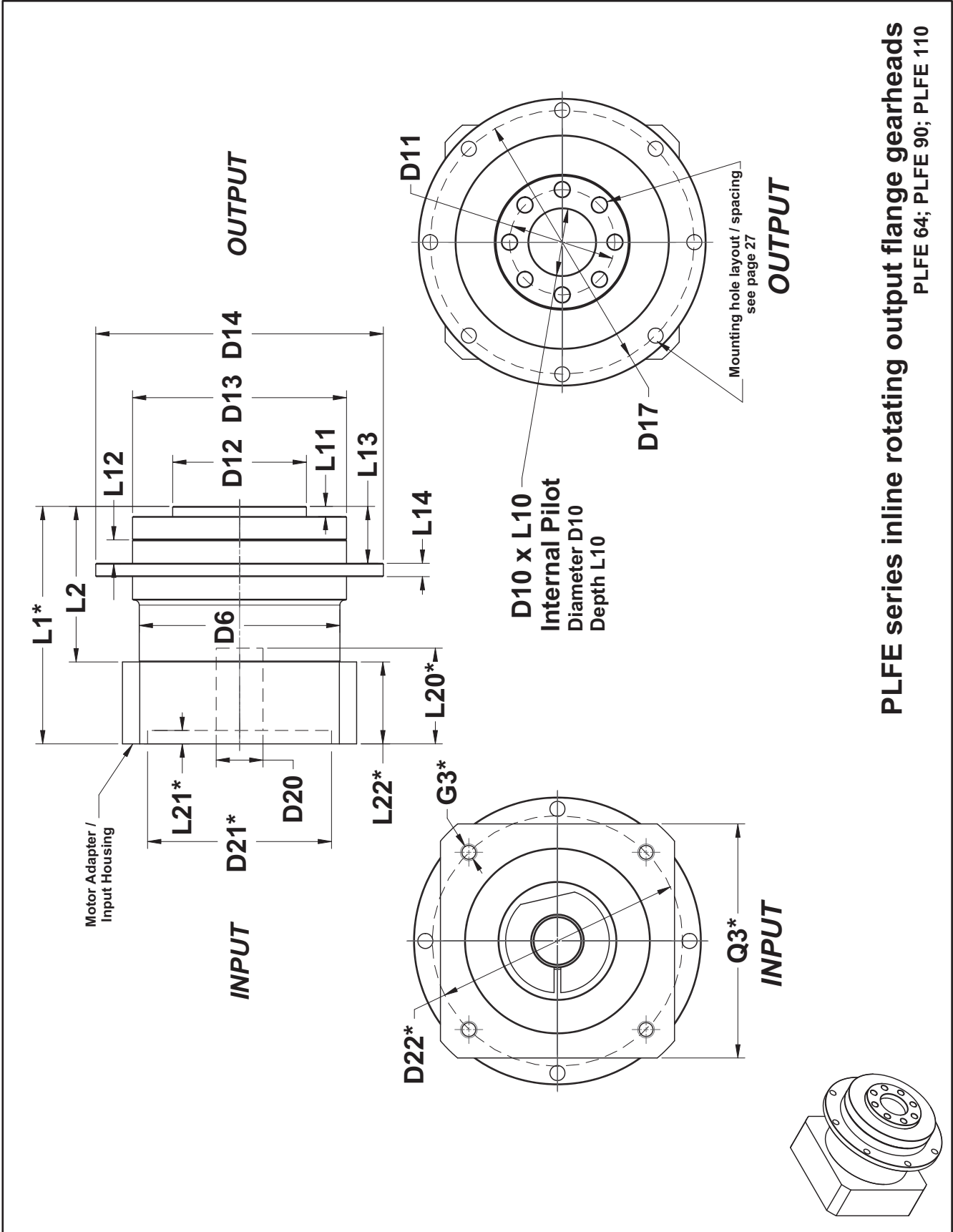


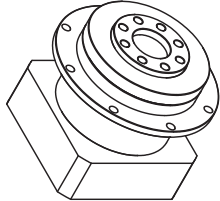
# PLFE

## In-Line Planetary Servo Gearhead

With EN ISO 9409 Rotating Output Flange



**PLFE series inline rotating output flange gearheads**  
 PLFE 64; PLFE 90; PLFE 110





# PLFE

## In-Line Planetary Servo Gearhead

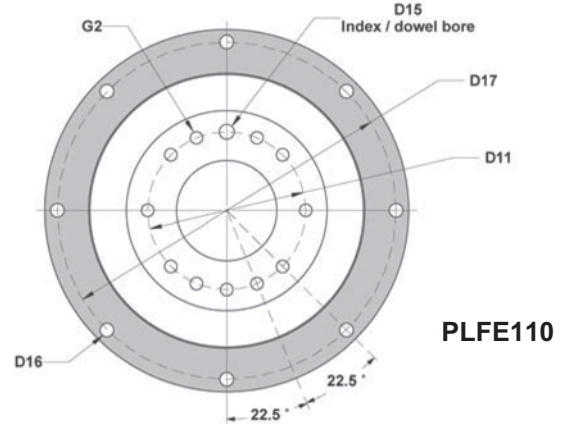
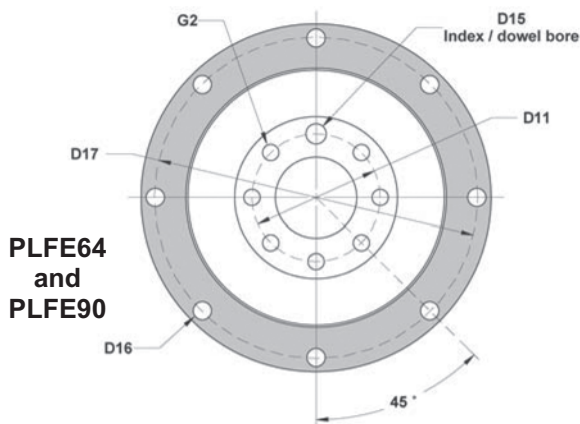
With EN ISO 9409 Rotating OUTPUT Flange Dimensions



Dimensions mm (inch)	Tol.	PLFE 64	PLFE 90	PLFE 110
<b>D6</b> Gearhead body diameter		60 (2.362) / 64 (2.520)	80 (3.150) / 92 (3.622)	115 (4.528)
<b>D10</b> Rotating flange pilot BORE diameter	h7	20 (0.787)	31.5 (1.240)	40 (1.575)
<b>D12</b> Rotating flange OUTSIDE diameter	h7	40 (1.575)	63 (2.480)	80 (3.150)
<b>D13</b> Stationary flange pilot diameter	h7	64 (2.519)	90 (3.543)	110 (4.331)
<b>D14</b> Stationary (outer) flange OD		86 (3.386)	118 (4.646)	145 (5.709)
<b>D20</b> Maximum input pinion bore <sup>(1)</sup>		14 (0.551)	19 (0.748)	24 (0.945)
<b>L2</b> Gearhead body length	1-Stage	45 (1.772)	65.5 (2.579)	77.5 (3.051)
	2-Stage	57.5 (2.264)	83 (3.268)	104.5 (4.114)
<b>L10</b> Rotating flange pilot BORE depth		4 (0.157)	6 (0.236)	6 (0.236)
<b>L11</b> Rotating flange (OD) pilot length		3 (0.118)	6 (0.236)	6 (0.236)
<b>L12</b> Stationary flange pilot length		7 (0.276)	10 (0.394)	10 (0.394)
<b>L13</b> Length from mounting face		19.5 (0.768)	30 (1.181)	29 (1.142)
<b>L14</b> Stationary flange thickness		4 (0.157)	7 (0.276)	8 (0.315)
<b>Available standard bushings <sup>(1)</sup></b> mm		6; 6.35; 7; 8; 9; 9.525; 10; 11; 12; 12.7	9.525; 10; 11; 12; 12.7; 14; 15.87; 16	11; 12.7; 14; 15.87; 16; 19; 19.05; 22; 22.22
<sup>(1)</sup> For motor shaft <b>SMALLER</b> than D20, a precision standard bushing is supplied.				
	<b>Inch</b>	.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\*** (L22\* length calculation see page 7)

Adapter / Input Housing dimensions and unit overall length depend on motor output geometry.  
**A motor-specific adapter / input housing is supplied with every gearhead.**



Stationary (Mounting) & Rotating (Output) Flange Bolt Hole Detail	mm (inch)	PLFE 64	PLFE 90	PLFE 110
<b>D11</b> Rotating flange bolt circle diameter		31.5 (1.240)	50 (1.969)	63 (2.480)
<b>D15</b> Index / dowel bore diameter x depth		5 x 6 (0.197 x 0.236)	6 x 7 (0.236 x 0.276)	6 x 7 (0.236 x 0.276)
<b>D16</b> Stationary flange bolt thru hole # / diameter		8 / 4.5 (0.177)	8 / 5.5 (0.217)	8 / 5.5 (0.217)
<b>D17</b> Stationary flange bolt circle diameter		79 (3.110)	109 (4.291)	135 (5.315)
<b>G2</b> Rotating flange bolt hole # / M size x depth		7 / M5 x 7	7 / M6 x 10	11 / M6 x 12