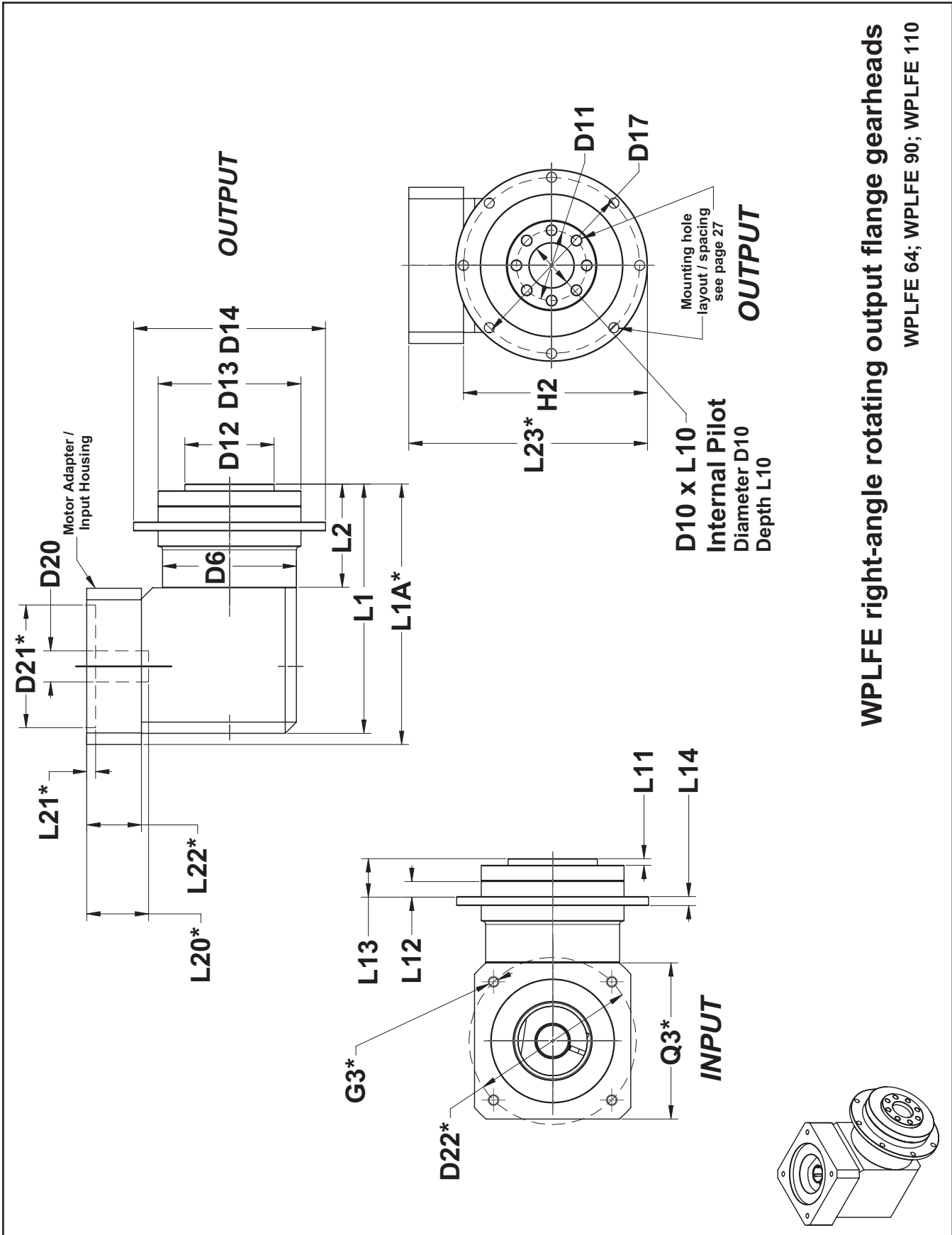




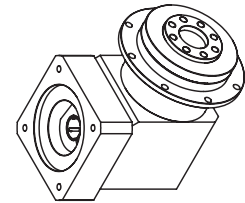
# WPLFE

Right-Angle Bevel-Planetary Servo Gearhead  
With EN ISO 9409 Rotating Output Flange



WPLFE right-angle rotating output flange gearheads

WPLFE 64; WPLFE 90; WPLFE 110





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## Right-Angle Bevel-Planetary Servo Gearhead

With EN ISO 9409 Rotating Output Flange



Dimensions mm (inch)		Tol.	WPLFE 64	WPLFE 90	WPLFE 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>D11</b>	Rotating flange bolt circle diameter		31.5 (1.240)	50 (1.969)	63 (2.480)
<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>D15</b>	Index / Dowel bore diameter x depth (See drawing on page 27)		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 (See drawing on page 27)		8 / 4.5 (0.315 / 0.177)	8 / 5.5 (0.315 / 0.217)	8 / 5.5 (0.315 / 0.217)
<b>D17</b>	Stationary flange bolt circle diameter		79 (3.110)	109 (4.291)	135 (5.315)
<b>D20</b>	Maximum input pinion bore <sup>(1)</sup>		14 (0.551)	19 (0.748)	24 (0.945)
<b>L1</b>	Minimum overall unit length				
	1-Stage		147.5 (5.807)	184.5 (7.263)	249.5 (9.822)
	2-Stage		159.5 (6.279)	201.5 (7.933)	276.5 (10.885)
<b>L2</b>	Gearhead body length				
	1-Stage		47 (1.850)	60.5 (2.381)	74 (2.913)
	2-Stage		59 (2.322)	77.5 (3.051)	101 (3.976)
<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>G2</b>	Rotating flange bolt hole # / M size x depth (See drawing on page 27)		7 / M5 x 7	7 / M6 x 10	11 / M6 x 12
<b>H2</b>	Right-angle housing height		69.5 (2.736)	88.3 (3.476)	123.7 (4.870)
<b>Available standard bushings <sup>(1)</sup></b>					
<sup>(1)</sup> For motor shaft <b>SMALLER</b> than D20, a precision standard bushing is supplied.			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
		<b>mm</b>			
		<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
<b>Motor-dependent dimensions:</b> <b>D21*, D22*, L1A*, L20*, L21*, L23*, L22*</b> <b>G3*, Q3*</b>		<b>Adapter / Input Housing dimensions and unit overall length depend on motor output geometry.</b> <b>A motor-specific adapter / input housing is supplied with every gearhead.</b>			
<b>L22* - dimension calculation</b>		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			
L22* Tolerance: + 5 / - 0.0 ( + 0.196 / - 0.0 )					
Δ L			7 (0.276)	8.8 (0.346)	18.2 (0.741)
<b>L22* minimum</b>			16 (0.63)	21.2 (0.835)	21.8 (0.858)