



Drawing corresponds to a PLQE080 / 1-stage / output shaft with feather key / 19 mm clamping system / motor adaptation – one part / B5 flange type motor

⁽¹⁾The dimensions vary with the motor/gearbox flange. The input flange dimensions can be retrieved for each specific motor in Tec Data Finder at www.neugart.com

Geometry ⁽²⁾			PLQE040	PLQE060	PLQE080	PLQE120	p ⁽³⁾	Code
Pitch circle diameter output	D1		50 (1.969)	75 (2.953)	100 (3.937)	130 (5.118)		
Mounting bore output	D2	4x	3.4 (0.134)	5.5 (0.217)	6.5 (0.256)	8.5 (0.335)		
Shaft diameter output	D3	h7	13 (0.512)	16 (0.630)	20 (0.787)	25 (0.984)		
Shaft collar output	D4		17 (0.669)	20 (0.787)	35 (1.378)	35 (1.378)		
Centering diameter output	D5	h7	35 (1.378)	60 (2.362)	80 (3.150)	110 (4.331)		
Housing diameter	D6		40 (1.575)	60 (2.362)	80 (3.150)	115 (4.528)		
Diagonal dimension output	D7		57 (2.244)	92 (3.622)	116 (4.567)	145 (5.709)		
Flange cross section output	Q1	■	42 (1.654)	70 (2.756)	90 (3.543)	115 (4.528)		
Min. total length	L1		90 (3.543)	111 (4.370)	145 (5.709)	201.5 (7.933)	1	
			103 (4.055)	123.5 (4.862)	162.5 (6.398)	229.5 (9.035)	2	
			115.5 (4.547)	136 (5.354)	180 (7.087)	257 (10.118)	3	
Housing length	L2		35.5 (1.398)	55 (2.165)	71 (2.795)	99 (3.898)	1	
			48.5 (1.909)	67.5 (2.657)	89 (3.504)	127 (5.000)	2	
			61 (2.402)	80.5 (3.169)	106.5 (4.193)	154.5 (6.083)	3	
Shaft length output	L3		26 (1.024)	32 (1.260)	40 (1.575)	55 (2.165)		
Centering depth output	L7		5.5 (0.217)	3 (0.118)	3 (0.118)	4 (0.157)		
Flange thickness output	L8		7 (0.256)	10 (0.394)	10 (0.394)	15 (0.591)		
Motor shaft diameter j6/k6	D20		More information on page 163/164					
Clamping system diameter input	D26		More information on page 163/164					
Output shaft with feather key (DIN 6885-1)			A 5x5x14	A 5x5x20	A 6x6x28	A 8x7x40		A
Feather key width (DIN 6885-1)	B1		5 (0.197)	5 (0.197)	6 (0.236)	8 (0.315)		
Shaft height including feather key (DIN 6885-1)	H1		15 (0.591)	18 (0.709)	22.5 (0.886)	28 (1.102)		
Shaft length from shoulder	L4		18 (0.709)	28 (1.102)	36 (1.417)	50 (1.969)		
Feather key length	L5		14 (0.551)	20 (0.787)	28 (1.102)	40 (1.575)		
Distance from shaft end	L6		2 (0.079)	4 (0.157)	4 (0.157)	5 (0.197)		
Center hole (DIN 332. type DR)	C		M4x10	M5x12.5	M6x16	M10x22		
Smooth output shaft								B
Shaft length from shoulder	L4		18 (0.709)	28 (1.102)	36 (1.417)	50 (1.969)		

⁽²⁾ Dimensions in mm

⁽³⁾ Number of stages