



⚠ .4606-64 UNS-3B	
MAJOR DIAMETER (THEORETICAL)	.4606
THREADS PER INCH	64
THREAD ANGLE	(60°)
PITCH DIAMETER	.4531/.4505
MINOR DIAMETER	.4469/.4440

⚠ .4606-64 UNS-3A	
MAJOR DIAMETER (THEORETICAL)	.4606
THREADS PER INCH	64
THREAD ANGLE	(60°)
PITCH DIAMETER	.4505/.4485
MINOR DIAMETER	.4437/.4384

[\*] denotes millimeters  
Specification subject to change without notice

Ratio	Standard		On request		Units
	5	25	3	125	
1 Number of gear stages	1	2	1	3	-
2 Efficiency	90	81	90	73	%
3 Length L	11.8 (0.466)	16.8 (.662)	11.8 (0.466)	16.8 (.662)	mm (in)
4 Length Tolerance (+/-)	.10 (.004)	.13 (.005)	.10 (.004)	.15 (.006)	mm (in)
5 Weight	9 (.3)	11 (.4)	9 (.3)	14 (.5)	g (oz)
6 Available with Motor: L2 = Length with motor					
<b>B0508</b>	48.1 (1.895)	53.1 (2.091)	48.1 (1.895)	57.8 (2.262)	mm (in)
<b>B0512</b>	60.6 (2.386)	65.6 (2.582)	60.6 (2.386)	70.3 (2.753)	mm (in)
<b>B0517</b>	72.8 (2.867)	77.8 (3.063)	72.8 (2.867)	82.5 (3.234)	mm (in)

Characteristics					
7 Max torque output		.5 (70.8)			Nm (oz-in)
8 Max input speed		80,000			rpm
9 Rotation input to output		Same			-
10 Bearings		Ball bearings			-
11 Shaft Load max.:					
radial (static) @ 5 mm (.197)		18 (4.1)			N (lb)
axial (static)		11 (2.5)			N (lb)
12 Average Backlash @ no-load	95	110	95	125	Minutes of angle
13 Tolerances	Tolerances on all values ±10% unless otherwise specified				

Options					
13 Autoclavable		YES			-
14 Shaft seal		YES			-
15 Custom lubrication		YES			-
16 Custom ratio		YES			-

Motor + gearbox = L2

