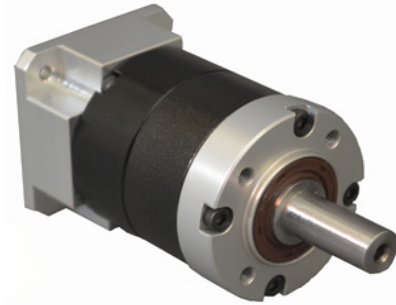


# GBPS-040X-CS Series



## FEATURES

- **Compatible with NEMA Size 17**
- **Backlash as Low as 9 arc-min**
- **Gear Ratios from 3:1 to 567:1**
- **Long Design Life, Over 20,000 hrs**
- **Up to 95 Percent Efficiency**
- **Max Input Speeds up to 6,000 RPM**
- **Lifetime Lubrication**
- **Low Noise Planetary Gears**



## DESCRIPTION

The GBPS-040X-CS Series is an In-Line Planetary Helical Gearbox line that offers great prices without sacrificing precision and quality. The GBPS-040X-CS Series is designed for motion control applications requiring moderate backlash and stiffness. Features include backlash as low as 9 arcminutes, 20 gear ratios for rated torque up to 97 in-lbs (1557 oz-in), (model dependent), a precision clamping system and lifetime lubrication. Please verify all dimensions when matching a gearbox to a specific motor, as critical dimensions will vary among series and manufacturers.

## SPECIFICATIONS

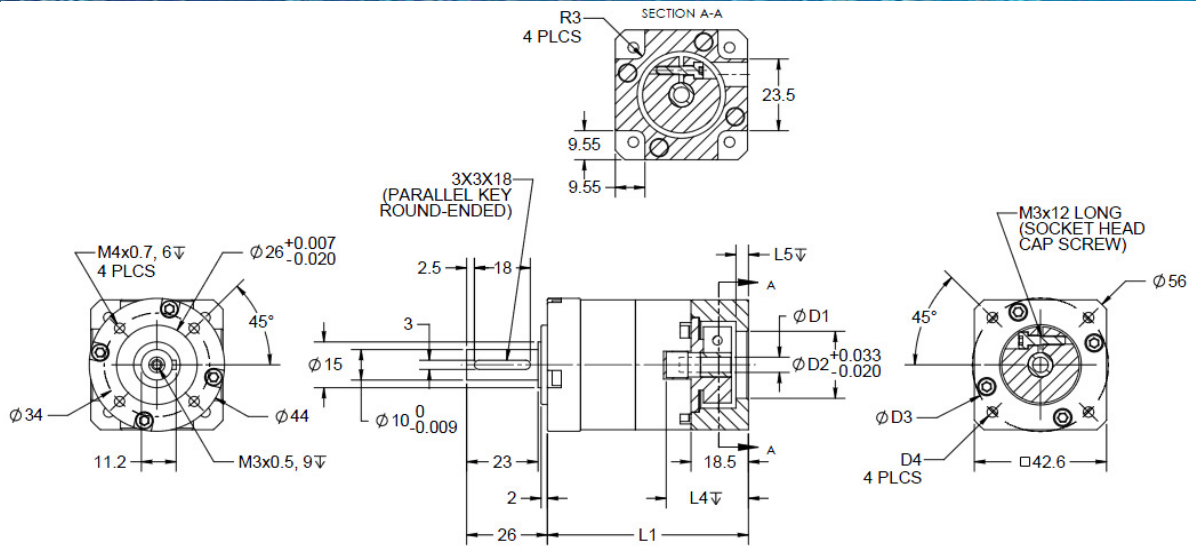
Model #	Gear Ratio (X:1)	Rated Output Torque (in-lb)	Max Output Torque (in-lb)	Backlash Maximum (arc-min)	Max Input Speed (RPM)	Stages	Efficiency %	Torsional Rigidity (Nm/arcmin)	Weight (lbs)
GBPS-0401-CS-003-xxxxx-yyy	3	80	119	<6	6000	1	95	1.2	0.9
GBPS-0401-CS-004-xxxxx-yyy	4	89	133	<6	6000	1	95	1.2	0.9
GBPS-0401-CS-005-xxxxx-yyy	5	97	146	<6	6000	1	95	1.2	0.9
GBPS-0401-CS-007-xxxxx-yyy	7	89	133	<6	6000	1	95	1.2	0.9
GBPS-0401-CS-009-xxxxx-yyy	9	71	106	<6	6000	1	95	1.2	0.9
GBPS-0401-CS-010-xxxxx-yyy	10	71	106	<6	6000	1	95	1.2	0.9
GBPS-0402-CS-015-xxxxx-yyy	15	97	146	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-020-xxxxx-yyy	20	97	146	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-025-xxxxx-yyy	25	97	146	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-035-xxxxx-yyy	35	97	146	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-045-xxxxx-yyy	45	97	146	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-049-xxxxx-yyy	49	89	133	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-063-xxxxx-yyy	63	89	133	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-081-xxxxx-yyy	81	71	106	<8	6000	2	90	1.2	1.3
GBPS-0402-CS-100-xxxxx-yyy	100	71	106	<8	6000	2	90	1.2	1.3
GBPS-0403-CS-125-xxxxx-yyy	125	97	146	<12	6000	3	85	1.2	1.7
GBPS-0403-CS-225-xxxxx-yyy	225	97	146	<12	6000	3	85	1.2	1.7
GBPS-0403-CS-315-xxxxx-yyy	315	97	146	<12	6000	3	85	1.2	1.7
GBPS-0403-CS-567-xxxxx-yyy	567	89	133	<12	6000	3	85	1.2	1.7

**Part numbers are based on the specifications of the motor being matched to the gearbox.**

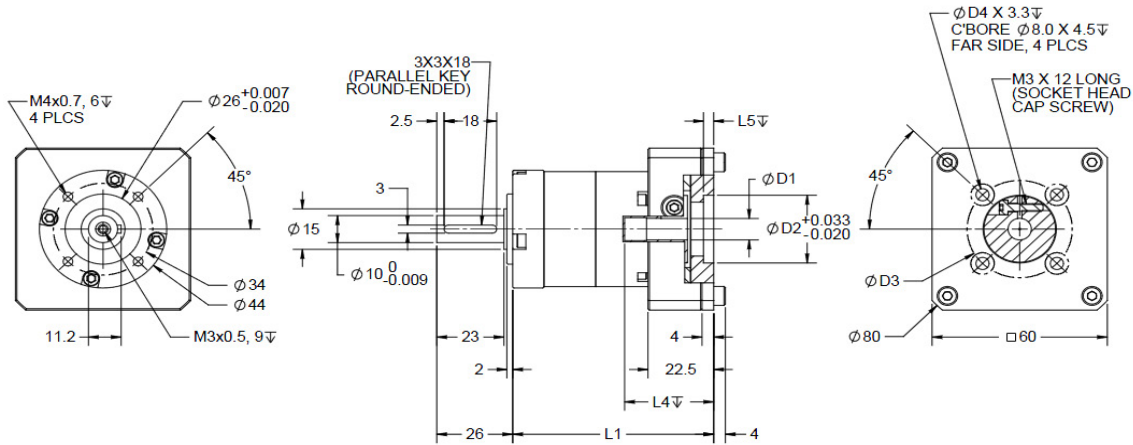
-xxxxx denotes motor pilot, -yyy denotes input shaft diameter.

For more information contact an Anaheim Automation Applications Engineer for assistance.

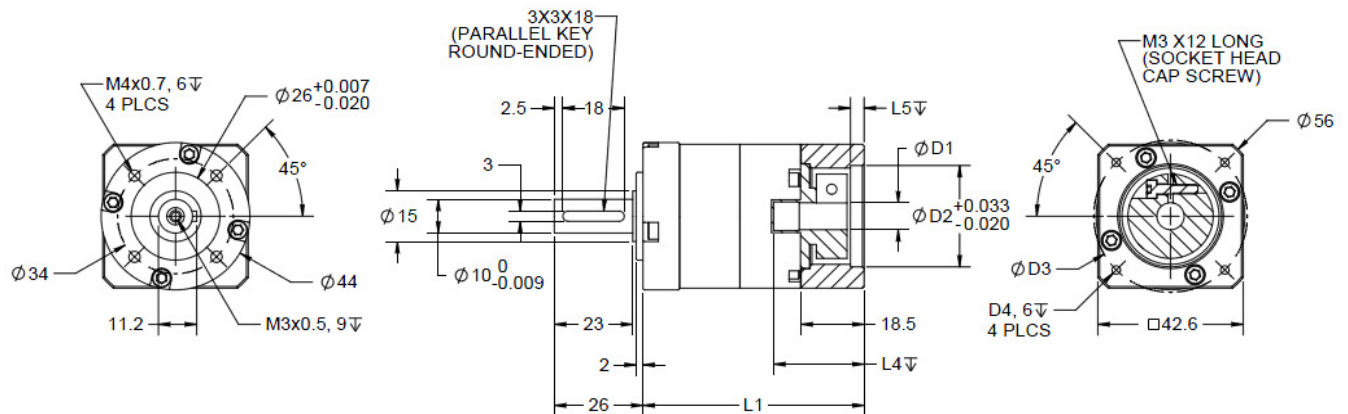
L011525



Motor Interface AA171-197 (all units in mm)				
DIMENSION	DESCRIPTION	1-STAGE	2-STAGE	3-STAGE
L1	Length	64.8	83.75	106.30
D1	Max Input Shaft Diameter	8, 5 with supplied bushing		
L4	Max Shaft Length	26.5		
D2	Pilot Diameter	22		
L5	Pilot Depth	4		
D3	Mounting Bolt Hole Circle	43.84		
D4	Bolt Hole Size	3.2		



Motor Interface AA172-197 (all units in mm)				
DIMENSION	DESCRIPTION	1-STAGE	2-STAGE	3-STAGE
L1	Length	68.8	87.75	110.3
D1	Max Input Shaft Diameter	8,5 with supplied bushing		
L4	Max Shaft Length	30.5		
D2	Pilot Diameter	25.1		
L5	Pilot Depth	3.5		
D3	Mounting Bolt Hole Circle	36		
D4	Bolt Hole Size	4		



Motor Interface SMH40-315 (all units in mm)

DIMENSION	DESCRIPTION	1-STAGE	2-STAGE	3-STAGE
L1	Length	64.8	83.75	106.3
D1	Input Shaft Diameter		8	
L4	Max Shaft Length		18.5	
D2	Pilot Diameter		30	
L5	Pilot Depth		5	
D3	Mounting Bolt Hole Circle		45	
D4	Bolt Hole Size		M3x0.5	



# Gearbox Application Sheet

Please return via fax or email: (714) 992-0471, applications@anaheimautomation.com

Name: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Company: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Fax: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Current Quantity Requirements: \_\_\_\_\_

Estimated Annual Requirements: \_\_\_\_\_

## Motor Specifications:

Units:  mm  in

Bolt Circle Diameter (D3): \_\_\_\_\_

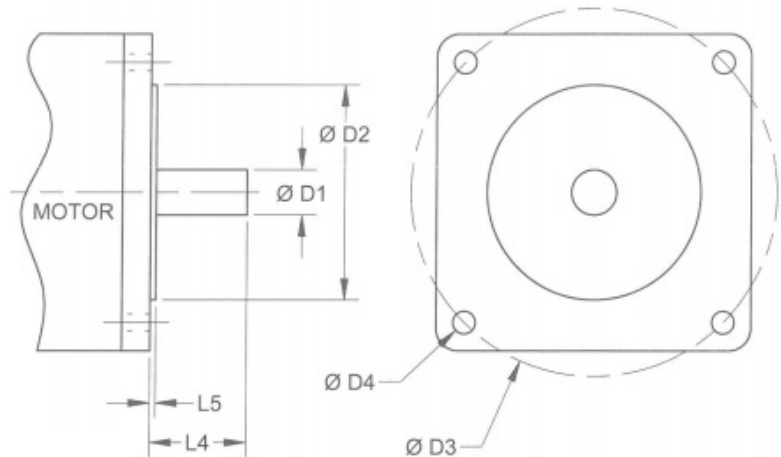
Shaft Diameter (D1): \_\_\_\_\_

Pilot Diameter (D2): \_\_\_\_\_

Hole Diameter (D4): \_\_\_\_\_

Pilot Thickness (L5): \_\_\_\_\_

Shaft Length (L4): \_\_\_\_\_



## Gearbox Specifications:

Gearbox Part Number: \_\_\_\_\_

*(Please provide an Anaheim Automation Gearbox Part Number if Available)*

Please provide any additional information below:

