

# GBPH-070x-NP Series



## FEATURES

- Backlash as low as 9 arc-min
- Gear ratios from 3 to 100
- Available in 1 and 2 stage models
- Up to four precision planet gears
- Patented precision clamping system
- Lifetime lubrication
- High durability



## DESCRIPTION

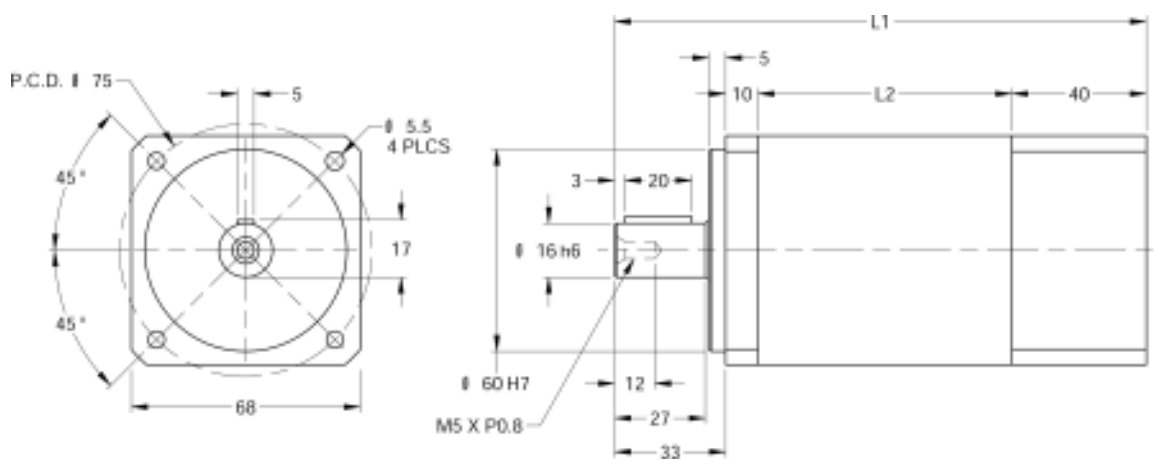
The GBPH-070x-NP Series Planetary Gearbox offers you the precision you need at the prices you want! This Planetary Gearbox is designed for motion control, automation, and robotic applications requiring moderate backlash and stiffness. This Planetary Gearbox will match your servo or stepping motor and is ideal for NEMA 23 motors. Built with the design goal of offering a cost effective product without sacrificing quality, you will find that this Planetary Gearbox offers you an extraordinary value. You will find online prices on this website along with all the information you need to know to select the perfect Planetary Gearbox for your applications.

## SPECIFICATIONS

Model #	Gear Ratio (X:1)	Rated Output Torque (oz-in)	Max Output Torque (oz-in)	Maximum Input Speed (RPM)	Stages	Backlash Maximum (arcmin)	L1 Length (mm)	L2 Length (mm)	Weight (lbs)
GBPH-0701-NP-003-xxxx-yyy	3	8497	25490	4000	1	9	125	40	2.65
GBPH-0701-NP-004-xxxx-yyy	4	8497	25490	4000	1	9	125	40	2.65
GBPH-0701-NP-005-xxxx-yyy	5	8497	25490	4000	1	9	125	40	2.65
GBPH-0701-NP-007-xxxx-yyy	7	8497	25490	4000	1	9	125	40	2.65
GBPH-0701-NP-010-xxxx-yyy	10	8497	25490	4000	1	9	125	40	2.65
GBPH-0702-NP-009-xxxx-yyy	9	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-012-xxxx-yyy	12	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-015-xxxx-yyy	15	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-016-xxxx-yyy	16	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-020-xxxx-yyy	20	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-021-xxxx-yyy	21	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-025-xxxx-yyy	25	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-028-xxxx-yyy	28	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-030-xxxx-yyy	30	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-035-xxxx-yyy	35	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-040-xxxx-yyy	40	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-049-xxxx-yyy	49	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-059-xxxx-yyy	59	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-070-xxxx-yyy	70	8497	25490	6000	2	14	147	62	3.75
GBPH-0702-NP-100-xxxx-yyy	100	8497	25490	6000	2	14	147	62	3.75

\* xxxx denotes motor pilot, yyy denotes input shaft diameter, see "Matching the Gearbox to Your Motor" on the next page.

L010484



\*All units are in mm

Radial Load:	189 lbs - Force	Axial Load:	136 lbs - Force
Efficiency:	95%	IP Rating:	IP65
Locking Torque:	708.06 oz-in.		

### Matching the Gearbox to Your Motor

There are a few details that you need to consider before purchasing a gearbox. The gearbox must be manufactured to match the motor's bolt hole circle, pilot diameter, shaft diameter, and shaft length. This is handled by a code in the last two sections of the part number. For instance, in the part number GBPH-0701-NP-003-AA231-250, the "AA231" is for an Anaheim Automation NEMA 23 Motor pilot and the shaft length. The "250" is for the shaft diameter of 0.250". For non standard Anaheim Automation or custom motors contact factory for complete part number.

Parameter	Range	Typical
Input Shaft Diameter:	6mm to 14mm	"250" - 6.35mm shaft diameter
Input Shaft Length	30mm max	"AA231" - 20.57mm
Pilot	30mm to 60mm	"AA231" - 38.09mm
Bolt Hole Circle	30mm to 70mm	"AA231" - 66.55mm

DIMENSION

SPECIFICATIONS