

GBPNR-080x-CS Series



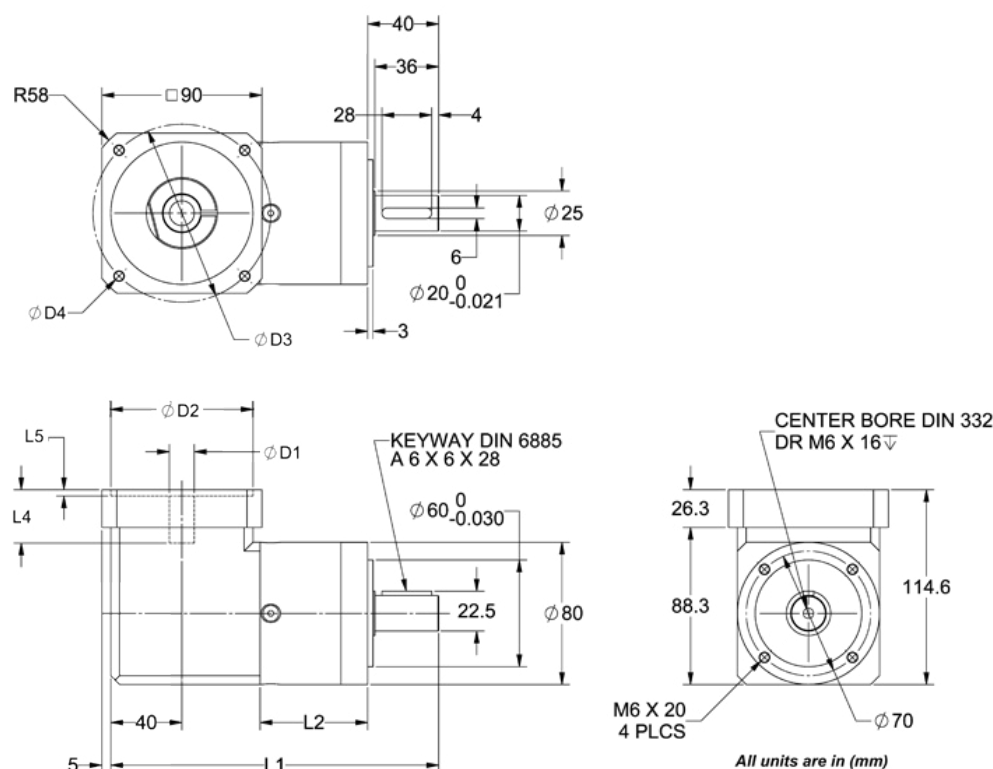
FEATURES

- **Gear Ratios From 3 to 512**
- **Backlash Lower Than 21 arc-min**
- **Available in 1, 2 and 3 Stage Models**
- **Lifetime Lubrication**
- **High Durability**

DESCRIPTION

The GBPNR-080x-CS Series right angle planetary gearbox offers you the precision you need at the prices you want! This right angle planetary gearbox is designed with very low backlash for motion control, automation, and robotic applications requiring precise position requirements. This right angle planetary gearbox will match your servo or stepping motor. It comes in 22 different gear ratios. Built with the design goal of offering a cost-effective product without sacrificing quality, you will find that this right angle planetary gearbox offers you an extraordinary value.

DIMENSIONS



ITEM	DESCRIPTION	MOTOR INTERFACE			
		AA341-500	AA341-625	BLK32-748	EMJ80-748
D1	Motor Shaft Diameter	12.7	15.875	19	19
L4	Motor Shaft Length	39	39	47	47
D2	Pilot Diameter	73	73	70	70
L5	Pilot Depth	5.3	5.3	5.3	5.3
D3	Mounting Bolt Circle Diameter	98.4	98.4	90	90
D4	Bolt Hole Size	M5x12	M5x12	M6x15	M6x15

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Model #	Gear Ratio	Nominal Rated Torque (oz-in)	Max Torque (oz-in)	Stages	Backlash Maximum (arcmin)	L1 Length (mm)	L2 Length (mm)	Weight (lbs)
GBPNR-0801-CS-003-AA341-500	3	5664	9056	1	<15	184	60.5	9.7
GBPNR-0801-CS-004-AA341-500	4	7504	12032	1	<15	184	60.5	9.7
GBPNR-0801-CS-005-AA341-500	5	9472	15136	1	<15	184	60.5	9.7
GBPNR-0801-CS-008-AA341-500	8	7072	11328	1	<15	184	60.5	9.7
GBPNR-0802-CS-009-AA341-500	9	18400	29440	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-012-AA341-500	12	16992	27184	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-015-AA341-500	15	15568	24928	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-016-AA341-500	16	16992	27184	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-020-AA341-500	20	16992	27184	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-025-AA341-500	25	15568	24928	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-032-AA341-500	32	16992	27184	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-040-AA341-500	40	15568	24928	2	<19	201.5	77.5	11.2
GBPNR-0802-CS-064-AA341-500	64	7072	11328	2	<19	201.5	77.5	11.2
GBPNR-0803-CS-060-AA341-500	60	15568	24928	3	<21	219	95	12.1
GBPNR-0803-CS-080-AA341-500	80	16992	27184	3	<21	219	95	12.1
GBPNR-0803-CS-100-AA341-500	100	16992	27184	3	<21	219	95	12.1
GBPNR-0803-CS-120-AA341-500	120	15568	24928	3	<21	219	95	12.1
GBPNR-0803-CS-160-AA341-500	160	16992	27184	3	<21	219	95	12.1
GBPNR-0803-CS-200-AA341-500	200	15568	24928	3	<21	219	95	12.1
GBPNR-0803-CS-256-AA341-500	256	16992	27184	3	<21	219	95	12.1
GBPNR-0803-CS-320-AA341-500	320	15568	15568	3	<21	219	95	12.1
GBPNR-0803-CS-512-AA341-500	512	7072	7072	3	<21	219	95	12.1

Radial Load: 213 lbs - Force

Axial Load: 269 lbs - Force

Operating Temperature: -25° C - 90° C

Noise Level: 73 dB

Maximum Input Speed: 7,000 RPM

Design Life: 20,000 hours

Efficiency: 88% - 94%

IP Rating: IP 54 / 55