

## 23PL010

NEMA 23 Planetary Gearhead



### ***Product Features***

- *True planetary design*
- *Low backlash design*
- *High strength steels*
- *High shaft loading capacity*
- *Sealed ball bearings*
- *Heat treated gears*
- *High efficiency design*

### **Description**

The 23PL010 planetary gearhead offers true planetary performance in a high torque, low backlash design. High strength, heated treated gears provide for efficient transmission of torque and accurate speed matching.

## Specifications

<b>Part Number:</b>	23PL010
<b>Frame Size:</b>	NEMA 23
<b>Ratio:</b>	10:1
<b>Torque, Nominal:</b>	119 in-lb
<b>Torque, Max Accel:</b>	179 in-lb
<b>Length:</b>	2.66 inches
<b>Weight:</b>	1.8 lbs
<b>Input Speed:</b>	6500 rpm max
<b>Backlash:</b>	6
<b>Low Backlash:</b>	3
<b>Operating Temperature:</b>	-50 to 120 °C
<b>Service Life:</b>	> 10,000 hours
<b>Efficiency:</b>	90%
<b>Inertia:</b>	5.471E-05 oz-in-sec <sup>2</sup>

## Downloads

<b>Product PDF - S3 Link:</b>	<a href="http://s3.amazonaws.com/applied-motion-pdf/23PL010.pdf">http://s3.amazonaws.com/applied-motion-pdf/23PL010.pdf</a>
<b>2D Drawing:</b>	 <a href="#">23PL-XXX_A.pdf</a>  <a href="#">023pl1stg_3D.pdf</a>
<b>3D Drawing:</b>	 <a href="#">23PL-1STG.stp</a>  <a href="#">23PL-1STG.zip</a>

## Products in the Series *PL Gearheads*

Part Number	Frame Size	Ratio	Length	Output Torque	Backlash	1pc.
<a href="#">17PL010</a>	NEMA 17	10:1	2.62	56	6	\$811.00
<a href="#">23PL004</a>	NEMA 23	4:1	2.66	360	6	\$811.00
<a href="#">23PL005.5</a>	NEMA 23	5.5:1	2.66	317	6	\$811.00
<a href="#">23PL010</a>	NEMA 23	10:1	2.66	119	6	\$811.00
<a href="#">23PL028</a>	NEMA 23	28:1	3.48	384	10	\$1052.00
<a href="#">23PL070</a>	NEMA 23	70:1	3.48	288	10	\$1052.00
<a href="#">23PL100</a>	NEMA 23	100:1	3.48	110	10	\$1052.00
<a href="#">34PL004</a>	NEMA 34	4:1	4.19	1219	6	\$1273.00
<a href="#">34PL005.5</a>	NEMA 34	5.5:1	4.19	1113	6	\$1273.00
<a href="#">34PL010</a>	NEMA 34	10:1	4.19	552	6	\$1273.00
<a href="#">34PL028</a>	NEMA 34	28:1	5.31	1346	10	\$1589.00
<a href="#">34PL070</a>	NEMA 34	70:1	5.31	1027	10	\$1589.00
<a href="#">34PL100</a>	NEMA 34	100:1	5.31	507	10	\$1589.00