

## 17PN004

NEMA 17 Planetary Gearhead



### **Product Features**

- *True planetary design*
- *Low backlash design*
- *Input pinion with balanced clamp collar*
- *Quick installation*
- *Strong, caged roller bearings*
- *High efficiency design*
- *All gears are heat treated*
- *NEMA mounting standards*

### Description

The 17PN004 planetary gearhead offers true planetary performance, efficient transmission of torque, and accurate speed matching.

## Specifications

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Part Number:</b>           | 17PN004                          |
| <b>Frame Size:</b>            | NEMA 17                          |
| <b>Ratio:</b>                 | 4:1                              |
| <b>Torque, Nominal:</b>       | 119 in-lb                        |
| <b>Torque, Max Accel:</b>     | 165 in-lb                        |
| <b>Length:</b>                | 2.66 inches                      |
| <b>Weight:</b>                | 1.0 lbs                          |
| <b>Input Speed:</b>           | 5000 rpm max                     |
| <b>Backlash:</b>              | 10                               |
| <b>Low Backlash:</b>          | 7                                |
| <b>Operating Temperature:</b> | -50 to 120 °C                    |
| <b>Service Life:</b>          | > 10,000 hours                   |
| <b>Efficiency:</b>            | 90%                              |
| <b>Inertia:</b>               | 1.352E-04 oz-in-sec <sup>2</sup> |

## Downloads

|                               |                                                                                                                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product PDF - S3 Link:</b> | <a href="http://s3.amazonaws.com/applied-motion-pdf/17PN004.pdf">http://s3.amazonaws.com/applied-motion-pdf/17PN004.pdf</a>                                                                                                                |
| <b>2D Drawing:</b>            |  <a href="#">17PN-XXX_A.pdf</a><br> <a href="#">017pn1stg_3D.pdf</a> |
| <b>3D Drawing:</b>            |  <a href="#">17PN_1STAGE.igs</a>                                                                                                                        |