

## PRODUCT DATASHEET

# ES-PG-C36-S008-V010

## Precision Transmission Component

Ultra-Precision Planetary Gearboxes | Ultra-Precision Planetary Gearbox Series - ES-PG-C36-S008

### Product Overview

Precision Transmission Component with backlash 6 / 2 / 4 arcmin, frame Size 90 mm and weight 6.4 kg.

### Key Specifications

| PARAMETER                           | VALUE     | UNIT   |
|-------------------------------------|-----------|--------|
| Backlash                            | 6 / 2 / 4 | arcmin |
| Frame Size                          | 90        | mm     |
| Weight                              | 6.4       | kg     |
| Compatible Servo Motor Power        | 1000      | W      |
| Motor Adapter Interface             | T8        |        |
| Rated Output Torque                 | 90        | Nm     |
| Number of Reduction Stages          | 1         |        |
| Planetary Gearbox Housing Length L3 | 10        | mm     |
| Planetary Gearbox Key Height H1     | 24.5      | mm     |

## Technical Specifications

| PARAMETER                            | SPECIFICATION | UNIT   | NOTES                              |
|--------------------------------------|---------------|--------|------------------------------------|
| PERFORMANCE                          |               |        |                                    |
| Backlash                             | 6 / 2 / 4     | arcmin | Varies by published configuration. |
| Rated Output Torque                  | 90            | Nm     | Reduction Ratio: 3                 |
| MECHANICAL                           |               |        |                                    |
| Frame Size                           | 90            | mm     |                                    |
| Weight                               | 6.4           | kg     | Reduction Ratio: 3 20              |
| Planetary Gearbox Key Width B1       | 6             | mm     |                                    |
| Planetary Gearbox Key Height H1      | 24.5          | mm     |                                    |
| Planetary Gearbox Housing Length L3  | 10            | mm     |                                    |
| Planetary Gearbox Spigot Diameter D6 | M8×1.25P      | mm     |                                    |
| Planetary Gearbox Key Length L6      | 3             | mm     |                                    |
| ADDITIONAL SPECIFICATIONS            |               |        |                                    |
| Compatible Servo Motor Power         | 1000          | W      |                                    |
| Motor Adapter Interface              | T8            |        |                                    |
| Number of Reduction Stages           | 1             |        |                                    |

## Dimensional & Integration Overview

### Mechanical Overview

| PARAMETER                            | VALUE    | UNIT |
|--------------------------------------|----------|------|
| Frame Size                           | 90       | mm   |
| Weight                               | 6.4      | kg   |
| Planetary Gearbox Key Width B1       | 6        | mm   |
| Planetary Gearbox Key Height H1      | 24.5     | mm   |
| Planetary Gearbox Housing Length L3  | 10       | mm   |
| Planetary Gearbox Spigot Diameter D6 | M8×1.25P | mm   |

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**01** Specifications are subject to change without notice. Verify the current product configuration before final design release.

**02** 2D drawings, CAD files and integration documentation are controlled documents and are supplied separately on request.