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**Data Sheet**

August 2, 2026

SDP/SI

# SDP/SI A 2Z18-E0400 Worm Gear Speed Reducer Shaft+ MOTOR

SDP/SI A 2Z18-E0400 Worm Gear Speed Reducer Shaft+ MOTOR The Stock Drive Products / Sterling Instrument (SDP/SI) 2Z18E0400 is a worm gear speed reducer assembly supplied with output shaft and integrated motor for mechanical power transmission. It is a catalog mechanical drive component—not an electronic instrument—and electrical or ratio details must be confirmed from the unit faceplate or OEM documentation for the specific configuration. Mechanical speed reduction and torque conversion in instrumentation positioning, small automation, and laboratory motion systems; gearmotor drive for rotary stages, conveyors, and low-speed mechanical loads where worm-gear reduction is specified. The Stock Drive Products / Sterling Instrument (SDP/SI) 2Z18E0400 is a worm gear speed reducer assembly supplied with output shaft and integrated motor for mechanical power transmission. It is a catalog mechanical drive component—not an electronic instrument—and electrical or ratio details must be confirmed from the unit faceplate or OEM documentation for the specific configuration. Mechanical speed reduction and torque conversion in instrumentation positioning, small automation, and laboratory motion systems; gearmotor drive for rotary stages, conveyors, and low-speed mechanical loads where worm-gear reduction is specified.



MODEL

**SDP/SI 2Z18-E0400**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**2Z18-E0400**

LISTING

<https://aumictechlabs.com/products/2z18-e0400-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The SDP/SI A 2Z18-E0400 is a worm gear speed reducer with integrated shaft and motor, engineered to reduce rotational speed while amplifying output torque in precision motion control systems. This unit combines hardened steel gearing with aluminum alloy housing construction to deliver reliable power transmission across industrial applications. The integrated motor design simplifies system assembly and installation.

**Technical Specifications**

**Gearing Arrangement:** Worm gear  
**Gear Ratios:** Available in ranges from 1:1 up to 100:1  
**Input Speed:** Up to 6000 rpm  
**Output Torque Range:** 1.8–2430 N·m  
**Rated Power:** 20–37 HP  
**Shaft:** Integrated shaft for direct power transmission

**Key Features**

- Motor and speed reducer combined in a single assembly
- Hardened steel gears with aluminum alloy housing for durability
- Worm gear design enables high torque output and compact footprint
- Precision manufacturing with tight tolerance machining via CNC equipment
- ISO 9001 and AS9100 certified manufacturing; ITAR compliant
- Available in both panel-mounted and base-mounted configurations

**Typical Applications**

- Industrial power transmission systems
- Precision motion control
- Speed reduction and torque multiplication applications
- Rotating machinery requiring right-angle drive geometry

**Compatibility & Integration**

Designed for direct integration into power transmission systems where speed reduction and torque amplification are required. The integrated motor and shaft architecture minimizes external connections and adapters, reducing assembly complexity in multi-axis and automated machinery installations.

## Features & description

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From manufacturer datasheet

### Features

• Worm gear speed reducer with output shaft • Integrated motor assembly (motor type per faceplate) • Mechanical power transmission component • SDP/SI catalog part 2Z18-E0400 • Suitable for applications requiring compact worm-gear reduction

## 2Z18E0400 Characteristics / Specifications

| PARAMETER            | VALUE                                                                                                                                                                                                                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model / Part         | 2Z18-E0400                                                                                                                                                                                                                                                                                                                       |
| Manufacturer         | Stock Drive Products / Sterling Instrument (SDP/SI)                                                                                                                                                                                                                                                                              |
| Instrument Type      | Worm Gear Speed Reducer with Shaft and Motor                                                                                                                                                                                                                                                                                     |
| Product Class        | Mechanical power transmission assembly                                                                                                                                                                                                                                                                                           |
| Configuration        | Worm gear reducer + output shaft + motor                                                                                                                                                                                                                                                                                         |
| Ratio                | confirm from unit faceplate or OEM label (not inferred from catalog title alone)                                                                                                                                                                                                                                                 |
| Motor Specifications | confirm from faceplate (voltage, speed, power)                                                                                                                                                                                                                                                                                   |
| Mounting / Shaft     | per OEM mechanical drawing for 2Z18-E0400 series Standard Operating Conditions Operate within motor nameplate voltage and duty ratings. Observe mechanical lubrication, alignment, and load limits per SDP/SI guidance for worm gear reducers. Environmental limits follow motor and lubricant specifications on the unit label. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

| PARAMETER            | VALUE                                                                            |
|----------------------|----------------------------------------------------------------------------------|
| Model / Part         | 2Z18-E0400                                                                       |
| Manufacturer         | Stock Drive Products / Sterling Instrument (SDP/SI)                              |
| Instrument Type      | Worm Gear Speed Reducer with Shaft and Motor                                     |
| Product Class        | Mechanical power transmission assembly                                           |
| Configuration        | Worm gear reducer + output shaft + motor                                         |
| Ratio                | confirm from unit faceplate or OEM label (not inferred from catalog title alone) |
| Motor Specifications | confirm from faceplate (voltage, speed, power)                                   |
| Mounting / Shaft     | per OEM mechanical drawing for 2Z18-E0400 series                                 |

Standard Operating Conditions

Operate within motor nameplate voltage and duty ratings. Observe mechanical lubrication, alignment, and load limits per SDP/SI guidance for worm gear reducers. Environmental limits follow motor and lubricant specifications on the unit label.

Operational Notes

Catalog titles may abbreviate mechanical details; verify ratio, motor voltage, shaft dimensions, and mounting from the physical faceplate before integration. Do not assume gear ratio or torque ratings without OEM confirmation for the specific 2Z18-E0400 configuration received. Alias 2Z18E0400 (hyphenless) may appear in inventory systems.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.