



THE JOHNSON GAGE COMPANY  
AN ISO 9001-2000 COMPANY

# Thread Engineering Software Johnson Gage ThreadSpecs 2.0

The screenshot displays the Johnson Gage ThreadSpecs 2.0 software interface. It features several data entry and calculation sections:

- External Data:** 0.2500-23 UNJS-3A Lead = .087 (2 starts)
- Internal Data:** 0.2500-23 UNJS-3B Lead = .087 (2 starts)
- Pre-Coat External (3A) and After-Coat External (3A):** Tables showing Maximum and Minimum values for Major, Pitch, and Minor diameters, along with Tolerances.
- Wire Diameter and Constants:** Fields for Maximum, Best, and Minimum values, along with an Alternate wire diameter.
- Thread Type:** Unified 60° with Major Diameter (.2500) and TPI (.23).
- Classes of Fit:** External (3A) and Internal (3B) options.
- Starts and Lead:** Starts (.2) and Lead (.0870) fields.
- Threads and LOE:** Thread size (7.5 - 10.5) and LOE (325 - 457) fields.
- Measurement Over Wires - MOW:** Maximum (.2591) and Minimum (.2563) values.
- Helix Angle Effect:** Radio buttons for Include and Omit.
- Thread Direction:** RH, LH, UN, UNR, and UNU options.
- Buttons:** Guide, Info, About, Preview, Print, and Close.

Johnson Gage ThreadSpecs 2.0 is a fully integrated Thread Engineering Software Program designed to simplify the calculation of critical and essential thread elements and characteristics.

Supported thread forms include UN, UNJ, Buttress, Acme, Metric, Metric J, and Whitworth.

Developed for the Engineering, Manufacturing, or Quality professional, the program includes both plating and coating calculations and their effects on thread dimensional criteria.

## - GENERAL SYSTEMS BENEFITS -

- Real-time Dimensional Calculations for Any Standard or Special Thread Regardless of Diameter or Pitch
- Calculates Max/Min and Tolerances for Major Diameter, Minor Diameter, Pitch Diameter, Root Radius (UNJ & MJ) and Allowance
- Automatically Calculates Effects of Plating and Coating on Thread Dimensions
- Data Display in Inch or Metric
- Immediate Dynamic Data Recalculation Upon Input Change Without Program Re-initialization
- Incorporates Dimensional Formulation from Latest ASME B1 Thread Standards
- Automatically Provides Dimensions and Tolerances for Mating Part
- Output to Any Standard Printer
- Eliminates Time-consuming and Error-prone Process of Manually Calculating Special Thread Dimensions and Effects of Plating or Coating on Threaded Product
- Calculates Measurement over Wire Dimensions for Best-Size Wire or Alternate Wire Diameter
- Provides Wire Constant for Best or Alternate Wire
- Optional Inclusion or Exclusion of Helix Angle Effect on MOW