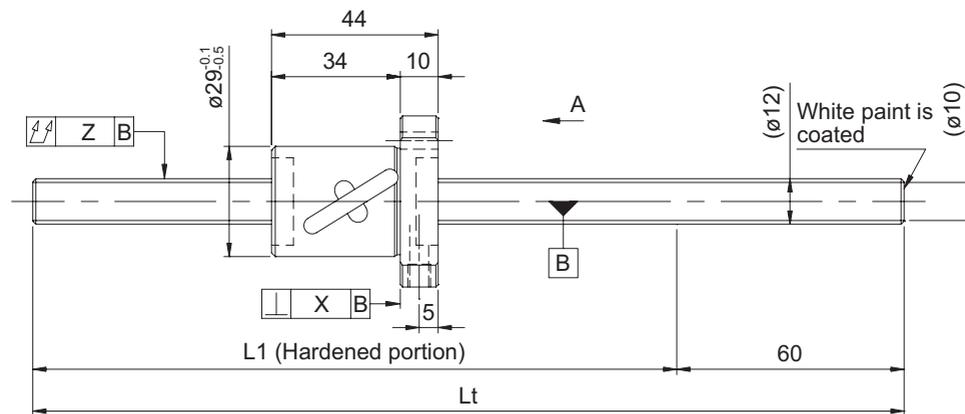
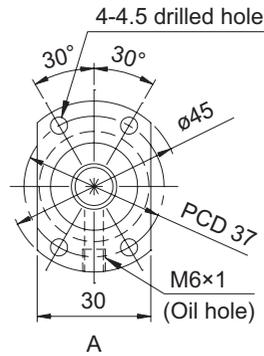


# GY series (Accuracy grade C10)

## Ball screw specifications

|                                             |                                  |
|---------------------------------------------|----------------------------------|
| Nominal diameter (mm) - Lead (mm)           | 12 - 8                           |
| Number of circuits / Thread direction       | 2.5 turns 1 circuit / Right-hand |
| Ball diameter (mm)                          | 2.778                            |
| Root diameter (mm)                          | 10                               |
| Series                                      | GY                               |
| Basic dynamic load rating C (N)             | 3800                             |
| Basic static load rating C <sub>0</sub> (N) | 6700                             |
| Accuracy grade / Axial clearance symbol     | C10 / Y                          |
| Axial clearance (mm)                        | 0.050 or less                    |
| Preload torque (N·cm)                       | ----                             |
| Recirculation system                        | Tube method                      |
| Wiper                                       | Lip seal                         |
| Lubricant                                   | Alvania Grease S2                |
| Phosphate coating                           | Screw shaft, nut                 |



| Model No. (Unfinished shaft ends) | L1  | Lt  | Maximum stroke (L1 - nut length) |
|-----------------------------------|-----|-----|----------------------------------|
| GY1208DS-HULR-0400A               | 340 | 400 | 296                              |
| GY1208DS-HULR-0800A               | 740 | 800 | 696                              |

• At the time of delivery, grease is inserted inside of the nut, with rust-preventive oil also applied. Before and during use, apply lubricant where appropriate.

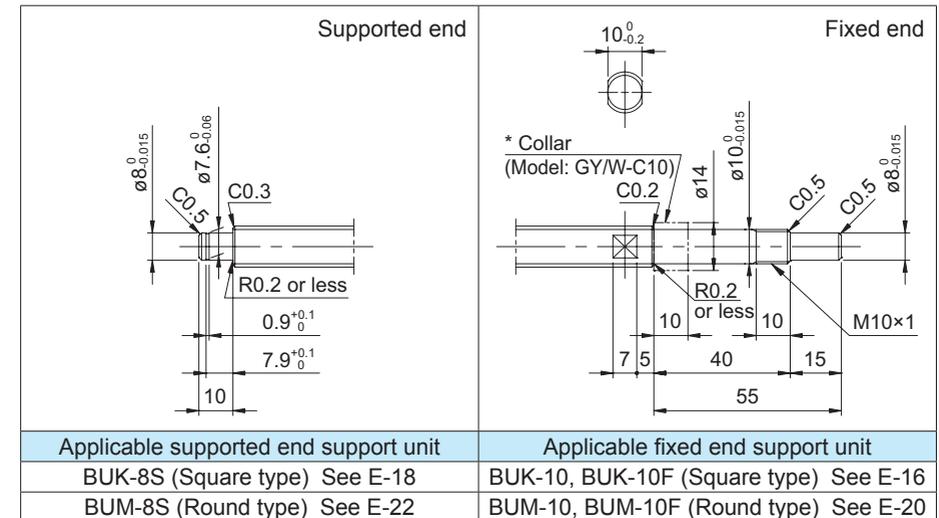
# Nominal diameter ø12, Lead 8 (Round nut)

## Shaft end finish type

Standard rolled ball screws are available with KURODA's recommended shaft end finish types for each size.

Other than KURODA's recommended shaft end finish types described below, additional machining including keyways, tapped holes, and D-cut processing are also available if requested. Please contact KURODA with your orders. Model examples for finished shaft ends are described below.

**Model example:** Unfinished shaft ends (See left figure) → Finished shaft ends  
 GY1208DS-HULR-0800A → GY1208DS-HULR-0795X0730-CAY



## Optional specifications

• Anticorrosive black coating (coating thickness: 1 to 2 μm) is available.

| Lead accuracy | Accuracy of each part |       | Mass (kg) |
|---------------|-----------------------|-------|-----------|
|               | X                     | Z     |           |
| 0.21/300      | ---                   | 0.150 | 0.58      |
|               |                       | 0.320 | 0.94      |