GY series (Accuracy grade C10)

● Ball screw specifications

Shaft diameter (mm) - Lead (mm)	32 - 32
Number of circuits / Thread direction	1.5 turns 2 circuits / Right-hand
Ball diameter (mm)	4.7625
Root diameter (mm)	27.8
Series	GY
Basic dynamic load rating C (N)	14600
Basic static load rating C0 (N)	38900
Accuracy grade / Axial clearance symbol	C10 / Y
Axial clearance (mm)	0.150 or less
Preload torque (N·cm)	----
Recirculation system	Tube method
Wiper	Brush wiper
Lubricant	Alvania Grease S2
Phosphate coating	Screw shaft, nut

4-9 drilled hole

30° 30°

ø92

PCD 74

58

M6×1 (Oil hole)

A

86
71   15
A

$ø58_{-0.5}^{-0.1}$ (ø32)   (ø27.8)

White paint is coated

Z | B

X | B

B

7.5

L1 (Hardened portion)   150

Lt
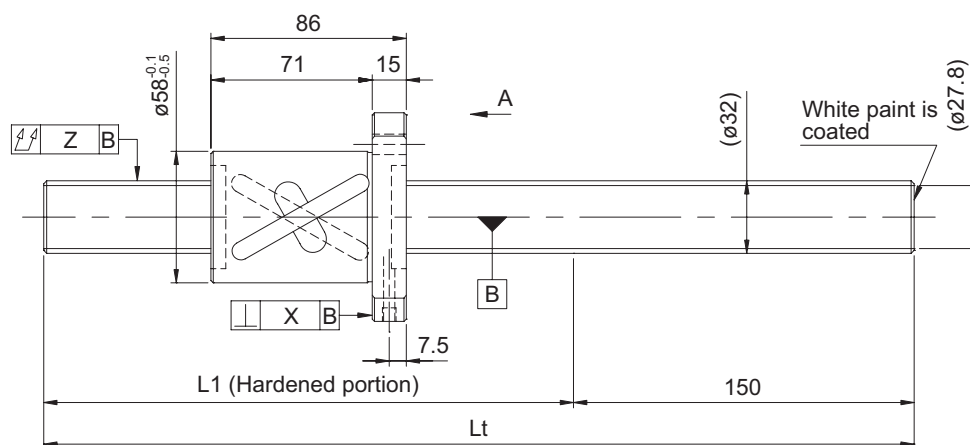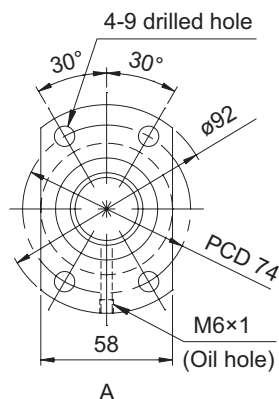
Model No. (Unfinished shaft ends)	L1	Lt	Maximum stroke (L1 - nut length)
GY3232BS-HUBR-1000A	850	1000	764
GY3232BS-HUBR-2000A	1850	2000	1764
GY3232BS-HUBR-3000A	2850	3000	2764

• 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.

Screw shaft diameter ø32, Lead 32 (Round nut)
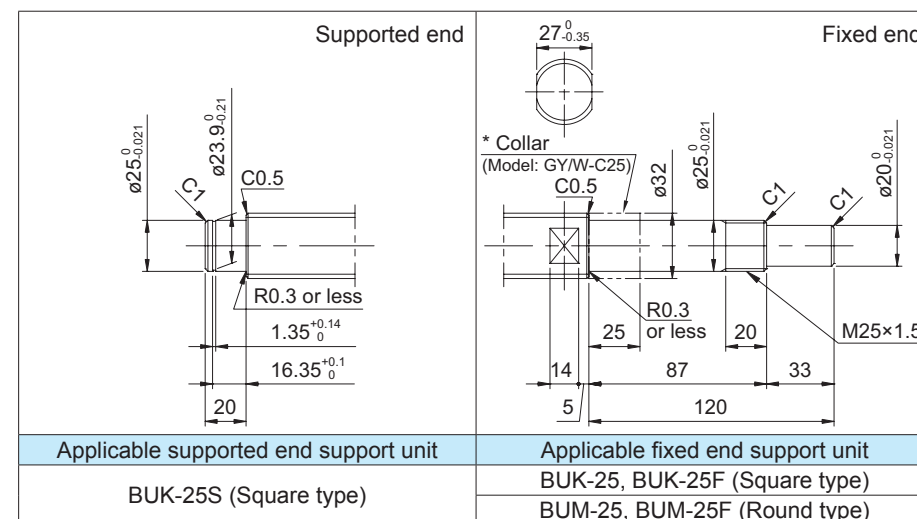
● Shaft end finish type
Standard rolled ball screws are available with KURODA's recommended shaft end finish types for each size.

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
GY3232BS-HUBR-3000A → GY3232BS-HUBR-2970X2830-CAY
↳Thread length
↳Overall screw shaft length

Supported end

$27_{-0.35}^{0}$

Fixed end

$ø25_{-0.021}^{0}$ $ø23.9_{-0.021}^{0}$ C0.5   C1

* Collar (Model: GY/W-C25)   C0.5   ø32 $ø25_{-0.021}^{0}$ C1   C1 $ø20_{-0.021}^{0}$

R0.3 or less
$1.35_{0}^{+0.14}$
$16.35_{0}^{+0.1}$
20

25   R0.3 or less   20   M25×1.5
14   87   33
5   120

Applicable supported end support unit	Applicable fixed end support unit
BUK-25S (Square type)	BUK-25, BUK-25F (Square type)
	BUM-25, BUM-25F (Round type)

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

Lead accuracy	Accuracy of each part		Mass
Cumulative lead error	X	Z	(kg)
		0.120	7.72
0.21/300	---	0.240	14.01
		0.640	20.31