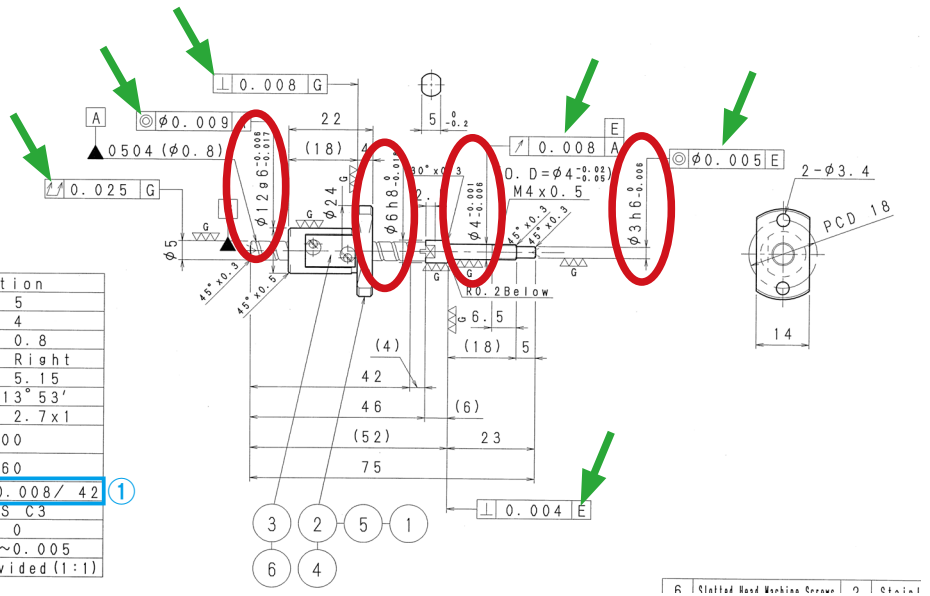


# Q&A

**Question:** What kind of items does KSS inspect for Ball Screw at shipping?  
Is Inspection Report attached?

Ball Screw Specification	
Shaft Outer Diameter	5
Lead	4
Ball Diameter	0.8
Direction	Right
Ball Center Diameter	5.15
Lead Angle	13° 53'
Circuits x Turns	2.7 x 1
Load Rating Ca (N)	300
Load Rating Coa (N)	360
Cumulative Representative Lead Error	$E_p = \pm 0.008 / 42$ ①
Grades	JIS C3
Axial Clearance	0
Preload Torque (N·m)	~0.005 ②
Space Balls	Provided (1:1)



Follows are the inspection items of Ball Screws (refer to the drawing above).

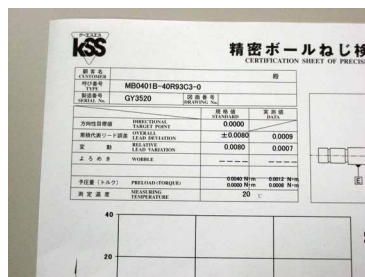
- 1) Each dimension  
Check all of dimensions described in the drawing (Digital micrometer, Side caliper). Especially, dimensions with tolerances (circle ○ above) should be checked carefully. M-thread gauge is used for M-thread pitch and diameter.
- 2) Mounting accuracy  
Run-out or Concentricity should be checked by dial gauge (arrow → above).
- 3) Lead accuracy  
Measure the Actual mean travel deviation compared to Master Shaft (① above).
- 4) Preload Torque  
Check the Preload Torque amount by hand-torque gauge (② above).

All of the inspection records are kept for each Serial Number. Certificate of Inspection should be attached when shipping. Inspection Report can be provided if necessary.

## Certificate of Inspection



## Inspection Report



We can use Ball Screws in peace because of strict inspection!!!