

Pursuing Extremely High Precision Contribute to all equipment



PRECILENCE



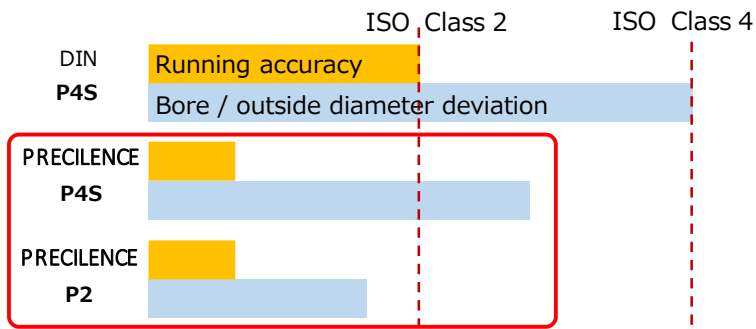
Precision & Silence
Made in Japan

What can you achieve thanks to PRECILENCE!

- Improved accuracy / performance
- Improved efficiency of assembly work
- User benefit (clean environment and machine cost)

1. Improved accuracy / performance

PRECILENCE Standard



PRECILENCE standard far surpasses DIN P4S standards!

Application Example for MT

< Machined surface comparison >

Machined surface

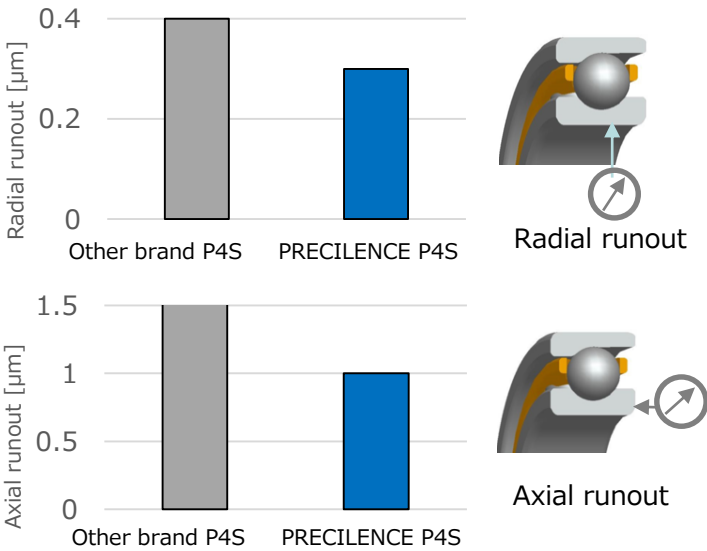
Material: stainless steel

By other brand

By PRECILENCE

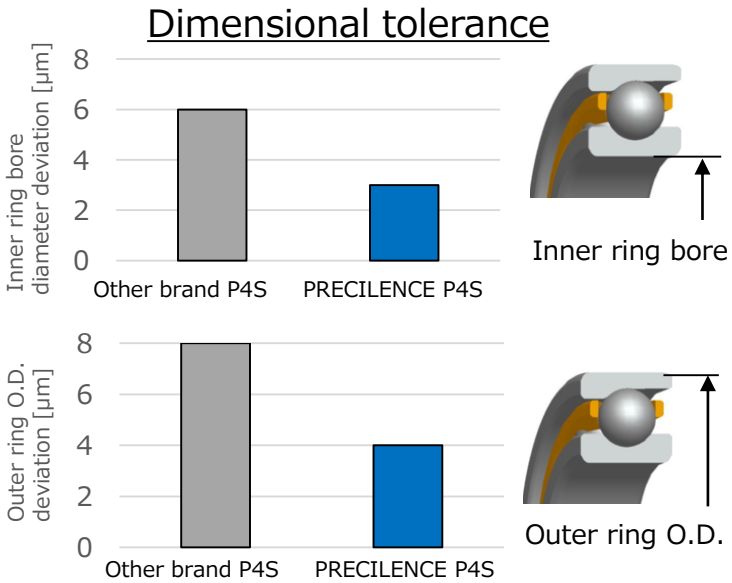
Brand	Surface roughness(Ra) [μm]
Other brand	0.39
PRECILENCE	0.18

Running accuracy (actual value)



2. Improved efficiency of assembly work

(1) Reduction of preload adjustment and assembly time



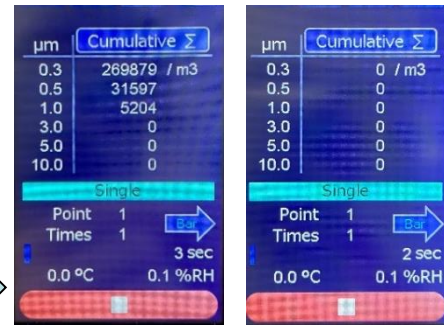
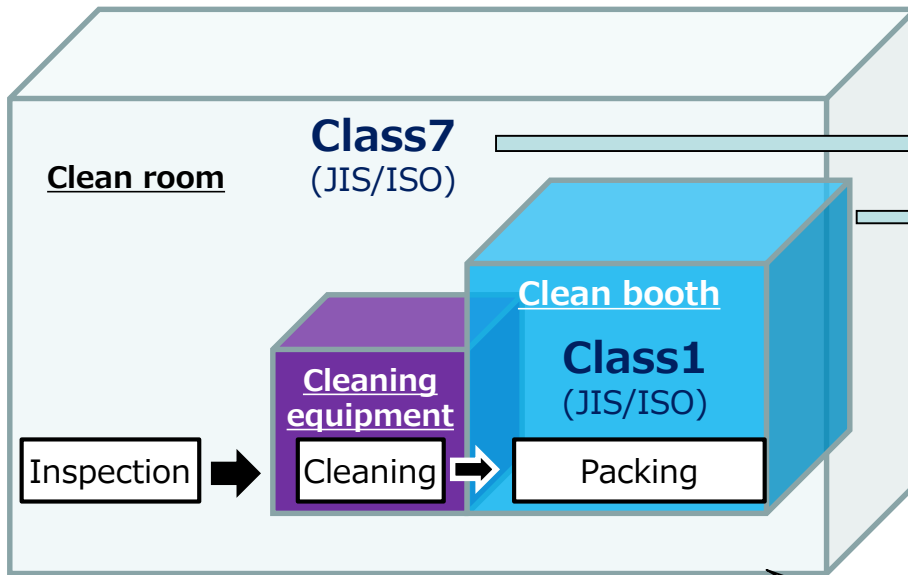
Less deviation
↓
No preload adjustment

Contribution to the efficiency of assembly work

(2) No cleaning required before assembly

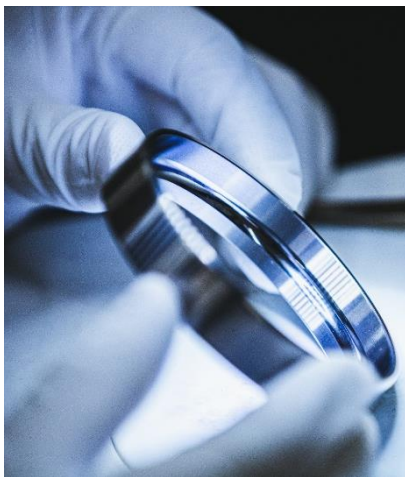
Thorough cleanliness management: Class 1 achieved at clean booth

No cleaning required
before assembly



Reference: Cleanliness class

Industry	Required degree of cleaning	
	JIS/ISO	FED(209D)
Medical/ Research/Film	Class 1~2	---
Semiconductor factory	Class 3~5	Class 1~100
Electronic/ Precision factory	Class 5~7	Class 100~10,000
Medicine/Food factory	Class 7~8	Class 100~100,000



Uses a package (including the outer box) that does not gather dust i.e. dust free

Contributes to maintaining the cleanliness of the assembly work environment in the customer

3. User benefit (clean environment and machine cost)

Since PRECILENCE is excellent in temperature rise resistance, it can be used with grease lubrication even at high speed machine.

Benefits of grease lubrication

- 1) Improvement of environment
 - Prevention of oil mist scattering
 - Prevention of wind noise
- 2) Reduction of equipment cost
 - No lubrication equipment
 - Reduction of running cost

30% improvement in limiting speed
with grease lubrication
(dmn $1.5 \times 10^6 \Rightarrow 1.95 \times 10^6$)

BRG size	Φ50 x Φ80 x 16
Preload	Fixed position(180N)
lubrication	Grease
Cooling	Jacket

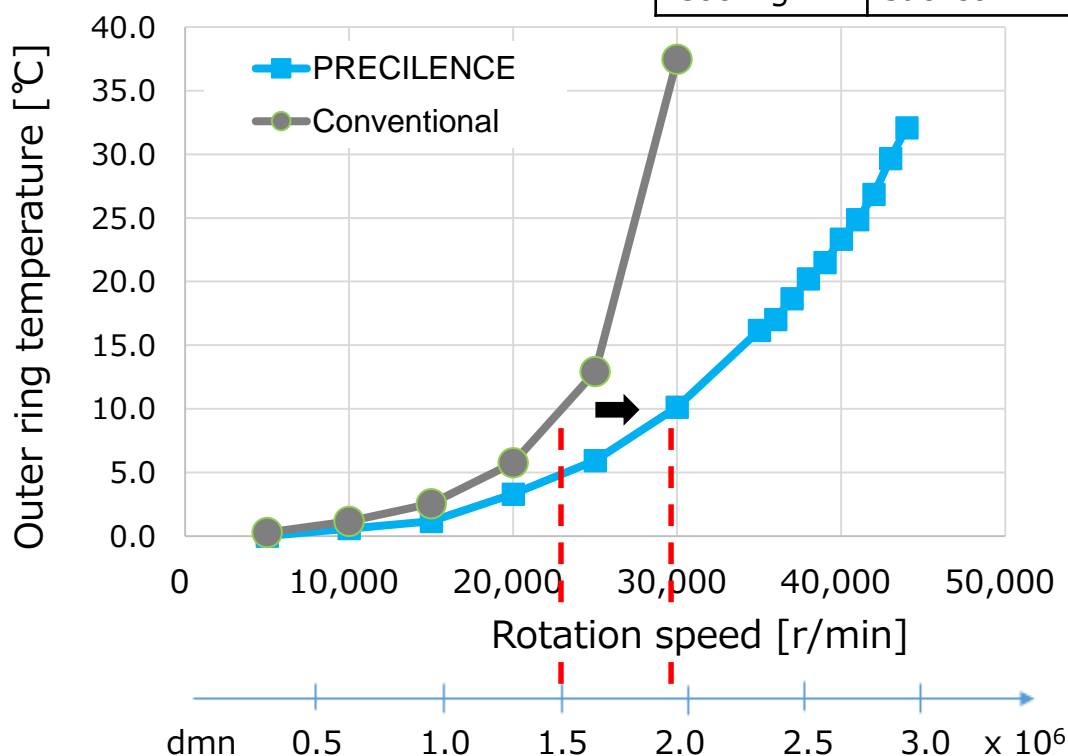


Fig. Comparison of temperature rise

Contact Us

JTEKT CORPORATION Industrial Sales Dept
1-3-7 shiromi, Chuo-ku, Osaka Pref., 540-0001 Japan
Tel: +81-6-6245-1352



JTEKT PRECISION BEARING CORPORATION Sales Dept
2-8-1, Ayumino, Izumi, Osaka, 594-1157 Japan
Tel +81-725-53-1711

