# Self-Inspection Report

## Inspection Date: November 7, 2025

| Model:32312 | Precision grade:P6ZV1 | Overall dimensions d*D*T：60*130*48.5 | | | | |
|---|---|---|---|---|---|---|
| Inspection items | Standard value Unit：mm | Measured value | | | | |
| | | 1 | 2 | 3 | 4 | 5 |
| ΔDmp | 0~-0.015 | -0.007 | -0.008 | -0.007 | -0.008 | -0.007 |
| VDp | ≦0.015 | 0.003 | 0.003 | 0.004 | 0.003 | 0.002 |
| VDmp | ≦0.011 | 0.003 | 0.004 | 0.003 | 0.004 | 0.005 |
| Δdmp | 0~-0.012 | -0.008 | -0.005 | -0.006 | -0007 | -0.007 |
| Vdp | ≦0.012 | 0.003 | 0.004 | 0.003 | 0.003 | 0.003 |
| Vdmp | ≦0.009 | 0.004 | 0.004 | 0.004 | 0.003 | 0.003 |
| Kia | ≦0.010 | 0.007 | 0.007 | 0.008 | 0.007 | 0.008 |
| Kea | ≦0.020 | 0.014 | 0.013 | 0.010 | 0.012 | 0.012 |
| ΔTs | +0.200~0 | 0.012 | 0.080 | 0.090 | 0.120 | 0.150 |
| ΔBs | 0~-0.120 | -0.035 | -0.045 | -0.040 | -0.035 | -0.040 |
| VBs | ≦0.015 | 0.005 | 0.006 | 0.005 | 0.006 | 0.003 |
| ΔCs | 0~-0.120 | -0.035 | -0.040 | -0.040 | -0.040 | -0.035 |
| VCs | ≦0.015 | 0.003 | 0.004 | 0.005 | 0.006 | 0.005 |
| Residual magnetism | ≦0.8mT | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 |
| Rotational flexibility | | Qualified | Qualified | Qualified | Qualified | Qualified |
| Appearance quality | | Qualified | Qualified | Qualified | Qualified | Qualified |
| Rolling element specifications：18.533*32.70*4° | | | | Precision grade：III | | |
| VDwp | 3.00 | ≦1.50 | | | | |
| △2ϕ | ±4.00 | +1.00~-2.00 | | | | |
| △Cir | 3.00 | ≦1.00 | | | | |
| SDw | 8.50 | ≦2.00 | | | | |
| $\delta$ | 4~7 | 5~7 | | | | |
| End face Ra | 0.32 | ≦0.160 | | | | |
| Outer diameter Ra | 0.16 | ≦0.080 | | | | |

| | | | |
|---|---|---|---|
| HRC | 61~66 | 62.5~63.5 | |
| Metallographic structure | Microstructure 2~4 | | 2~3 |
| | Carbide network structure≦2.5 | | ≦2.0 |