

High rust resistance stainless shaft

A new material [YSU-1] has the same degree of the hardness HRC50 using the technology of induction hardening from our own facilities.

Abrasion resistance

YSU-1 has a hardness equivalent to the SUS630(H900) and abrasion resistance.

Corrosion resistance

We made the YSU-1 with a corrosion resistance equivalent to the SUS303·304.

Standard stock size

 $\phi6\times2000$

 $\phi 8 \times 2000$

 ϕ 10×2000

 ϕ 12×2000

 ϕ 13×2000

 $\phi 20 \times 3000$

 $\phi 25 \times 3000$



Salt spray corrosion test

The reciprocal movement test is preformed by putting a fix load on the test parts, letting it reciprocate linearly within a constant distance.

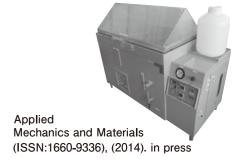
Test conditions | JIS Z 2371 240h

The concentration of the salt water 5±0.5% Temperature of 35 degrees centigrade

Left side: SUS304 / Center: SUS440C / Right side: YSU-1







Before the test

240h After the test

Based on the results of the test, YSU-1 has superior corrosion resistance.

YSU-1 has superior corresion resistance in high humidity.

Used in various environments and fields such as marine businesses, agricultural machinery, food machinery, construction machinery.

Reciprocal movement test (for the linear guide)

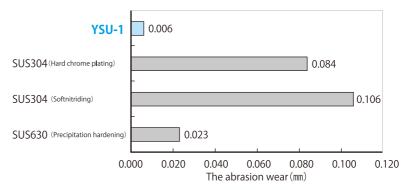
- Based on the results of the test, YSU-1 has superior corrosion resistance.
- YSU-1 has superior corrosion resistance in high humidity.
- •Used in various environments and fields such as marine businesses, agricultural machinery, food machinery, construction machinery.

Test conditions

The specifications of the test parts : ϕ 20 × 500L

The load: 67kgf

YSU-1 The comparison for surface treatment The weight of the load: 67kgf





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The comparison between SUS304(hard chrome plating), SUS304(softnitriding), precipitation hardening of SUS630(h900) and YSU-1.

YSU-1 is most suitable for upgrading products of precipitation hardening of SUS630(h900) and hard chrome plating of SUS304.

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