



3J53

1. Brief introduction:

3J53 is a constant elastic alloy, which can obtain high elasticity and strength after aging, has a low modulus of elasticity temperature coefficient in the range of -60-100 °c and is resistant to corrosion.

It's used for manufacturing diaphragms, bellows, bellows, springs and other elastic components in the instrument industry.

2. Chemical composition under YB/T5256-2011 standard:

Grade	chemical composition,%									
	C	P	S	Si	Mn	Cr	Ni	Ti	Al	Fe
	MAX									
3J53	0.05	0.02	0.02	0.8	0.8	5.2~5.8	41.5~43	2.3~2.7	0.5~0.8	Remainder

Remarks: If require adjustments for some chemical compositions, pls consult with us.

3. Norminal mechanical properties at room temperature:

Grade	Condition	Modulus of elasticity E	Tensile strength Rm N/mm2	Hardness Hv
3J53	cold worked+Aged	176400-191100	≥1225	350-450



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<https://www.hitealloy.com>

4. Main product types:

wire,rod, bar,strip.

5. Common product grades:

3J35, 42HXT10, Ni-Span C902, Ni-Span C, Sumispan-3.

6. 3J53 Source URL:

<https://www.hitealloy.com/product/3j53.html>

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