

Nitinol (Ni-Ti) Flat Wires

2E-GISI-26-01

TOKUSEN KOGYO, as a specialized manufacturer of specialty metal wires, has supplied components for medical devices for over 20 years and produces over 1 million meters of stainless steel flat wires per month for Medical Catheters and Guidewires.

At this time, we are offering Flat Wire using materials from Furukawa Techno Material. With our extensive experience in precision machining technology, it is capable of providing high-quality thin flat Nitinol wires with superelasticity and mechanical properties that meet customer requirements.

Flat wire by

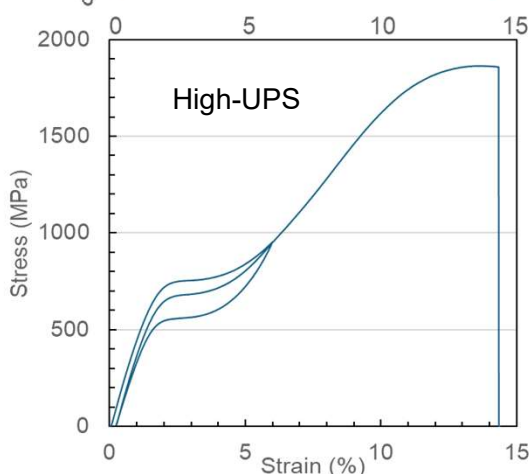
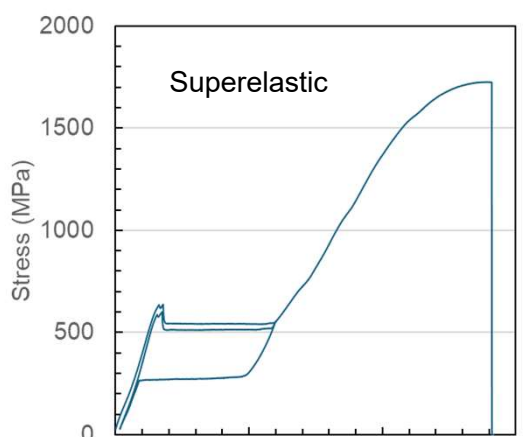


Typical Dimensions

| X (inches) | Y (inches) | X (mm) | Y (mm) | Surface |
|-----------------|-----------------|-----------------|-----------------|-----------|
| 0.0008 ± 0.0002 | 0.0030 ± 0.0003 | 0.0203 ± 0.0051 | 0.0762 ± 0.0076 | Thinoxide |
| 0.0010 ± 0.0002 | 0.0030 ± 0.0003 | 0.0254 ± 0.0051 | 0.0762 ± 0.0076 | |
| 0.0015 ± 0.0002 | 0.0030 ± 0.0003 | 0.0381 ± 0.0051 | 0.0762 ± 0.0076 | |

Mechanical Properties & others

| Condition | Upper Plateau Stress at 3% | | PS after 6% | Tensile strength | | Elongation |
|--------------|----------------------------|---------|-------------|------------------|--------|------------|
| | (MPa) | (Kpsi) | (%) | (MPa) | (Kpsi) | (%) |
| As-drawn | - | - | - | 1450 ~ | 211 ~ | > 4 |
| Superelastic | 450 ~ 650 | 65 ~ 94 | < 0.5 | 1250 ~ | 182 ~ | > 10 |
| High-UPS | 550 ~ | 80 ~ | < 0.5 | 1250 ~ | 182 ~ | > 10 |

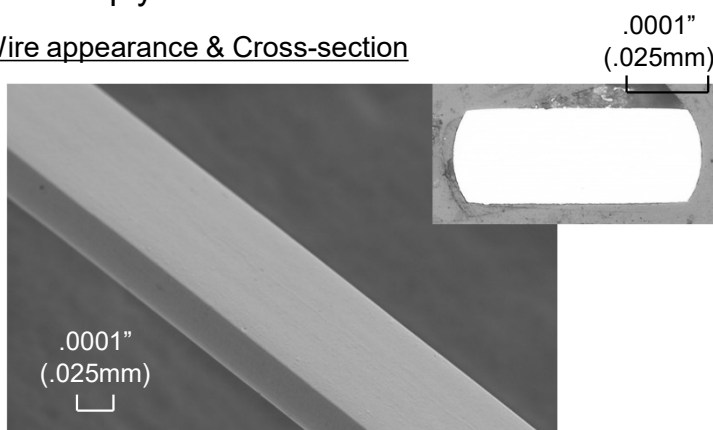


Material by



- NT-N wire
- Ni-Ti binary alloy
- Ingot Af (DSC) : +0 +/-10°C
- Comply with ASTM F2063-18

Wire appearance & Cross-section



Web: <http://www.tokusen.co.jp/en/index.html>

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