

## Ni-Ti Line-up & New Ni-Ti-Co for Medical Guidewires

Furukawa Techno Material  
2EGS-1267-01-1

Furukawa has powerful line-up of Ni-Ti wires for medical Guidewires !!!

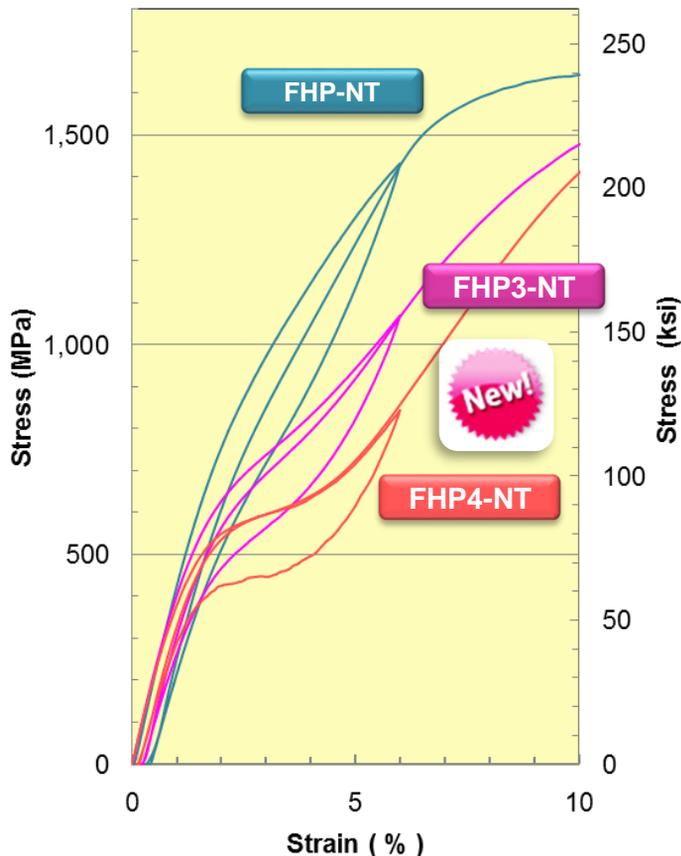
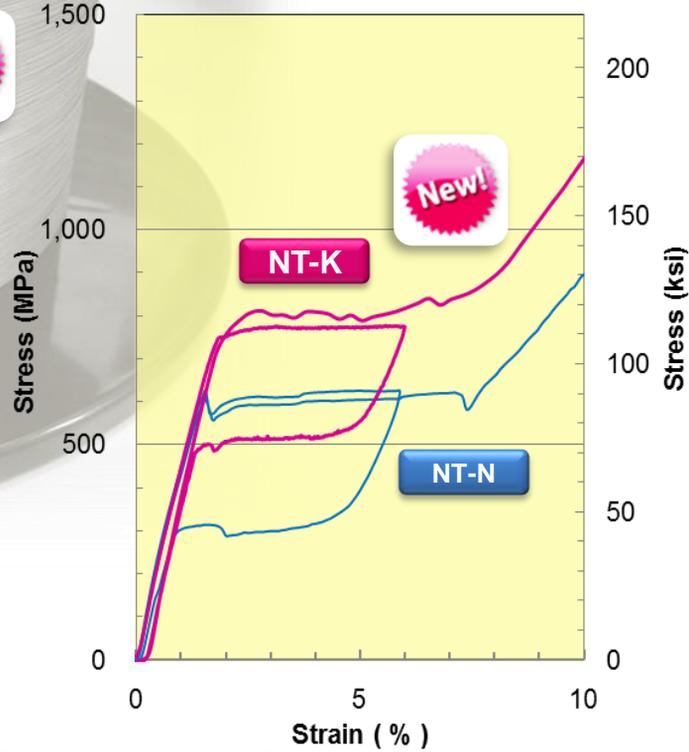
### [New Super-elastic Ni-Ti-Co]



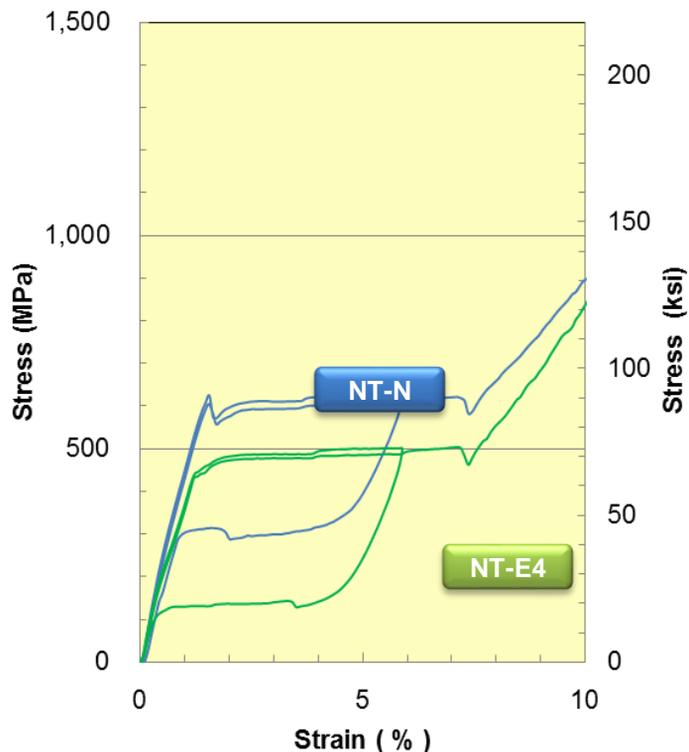
Now, let's take a look at a revolutionary Ni-Ti super-elastic alloy! Our **NT-K** wire has much higher Upper Plateau Stress than Ni-rich binary alloy. It is ideal for super-elastic Guidewires, which request higher stiffness. The narrow stress hysteresis can also achieve no whip during the Guidewire rotation.

### [FHP-NT]

Furukawa recently launched a new range of FHP-NT (Furukawa High Pushability) wires, which are Furukawa patented products. The well-known FHP-NT wires have already penetrated the Guidewire market. Now, **FHP3-NT** and **FHP4-NT** are available to develop superior recovery performance and small stress hysteresis whilst retaining high upper stress.



### [NT-Super-elastic]



## Ni-Ti Wires for Medical Guidewires

Furukawa Techno Material  
2E-GISI-00-21\_Rev.2-1

Furukawa has a complete line of Ni-Ti wires to meet every needs of your medical Guidewires. In addition to the superior super-elasticity and straightness, you have choices of stiffness and surface finishes to find the best wire for your application.

**[FHP-NT]** A Ni-Ti wire with high stiffness like no other, FHP-NT is 3 times stiffer than the ordinary Ni-Ti wires. It does not have yield point. It is a Furukawa patented product.

**[Super-elastic Ni-Ti]** All Furukawa NT-E4 and NT-N super-elastic wires are made in-house from ingots. Our integrated manufacturing process realizes products to meet details of your requests on strength of super-elasticity to finish of wire surface. Our wires are highly favored by major medical device makers world wide.



### Composition and Mechanical Properties

Type	Composition	Upper Stress at 4% Strain MPa (ksi)	Stress Hysteresis at 2% Strain MPa (ksi)	Permanent Set after 4% Strain (%)	Straightness (mm)
FHP-NT	54 ~ 57 wt% Ni-Ti	1270 (185)	80 (12)	0.05	3
NT-E4 (SEA)		490 (71)	265 (39)	0.00	2

