

## Most Common Nitinol Alloys

Alloy system	Grade	Af fully annealed	Typical Af tolerance
Nitinol superplastic	NiTi-SS	-10°C	±15°C
	NiTi-SS	-0°C	±15°C
	NiTi-SS	10 °C	±10°C
Nitinol shape memory	NiTi-01	+20 °C	±10°C
	NiTi-01	+30 °C	±10°C
	NiTi-01	+40 °C	±10°C
	NiTi-02	+50 °C	±10°C
	NiTi-02	+70 °C	±10°C
	NiTi-02	+90 °C	±10°C
	NiTi-02	+100 °C	±10°C
Low temperature nitinol superplastic	TN3/TNC	-30°C	±15°C
Nitinol narrow hysteresis	NiTiCu	+65 °C	±5°C
	NiTiCu	+75 °C	±5°C
Nitinol wide hysteresis	NiTiFe	Af-Ms < 50°C	n/a
	NiTiNb	Af-Ms < 150°C	n/a

\* Only Binary Nitinol Materials are compliant with ASTM F2063, which prohibits intentional additions of elements beyond Ni and Ti