

NITINOL STRIP

SUPERELASTIC AND WITH SHAPE MEMORY - SENSOR AND ACTUATOR AT THE SAME TIME

PORTFOLIO

Additionally to our tube and wire delivery program, we now also produce endless rolled NITINOL strip. Our continuous manufacturing process enables the production of extremely precise strip with very homogeneous mechanical and physical properties. This is the ideal requirement for producing, for example, stamped, laser-cut, eroded or ECM-machined parts from strip.

Another advantage compared to short sheet metal sections is the cost-saving processing option for long single strip lengths on spools, which enables reel-to-reel processing.

DIMENSIONS

Our standard dimension range starts at a strip thickness of 0,10 mm and ends at approximately 2,00 mm. We deliver strip in widths of up to approx. 35 mm. Since certain thickness/width combinations cannot be produced, we check inquiries individually - also those that are outside the specified range of dimensions.

As a standard for superelastic applications, we use ASTM F2063-compliant NITINOL. If required, particularly pure material such as NITINOL GEN II can also be supplied.

We align the surface finish according to customer requirements: The basis is the oxide surface as it comes from the manufacturing process. With additional work steps such as sandblasting or electropolishing, oxide-free surfaces are also available. We meet the requirements for functional surfaces through the option of applying electro-plated coatings, for example of gold or silver, to our NITINOL strip. This results in the possibility of e.g. making contact parts with shape memory properties.

WOULD YOU LIKE MORE INFORMATION?

We will be happy to answer your questions!

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