

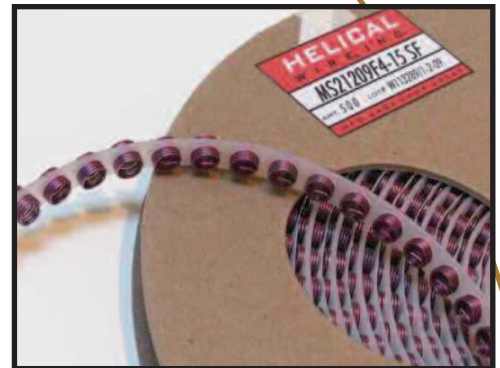


HELICAL WIRE INC

MATERIALS AND FINISHES

HELICAL WIRE INC. insert products are manufactured in either 18-8 stainless steel diamond shaped wire, Inconel X-750, Phosphor Bronze, Nitronic 60 and Nimonic 90. Helical Wire Inc. manufactures Standard inserts per NASM21209F03-10 through NASM21209F24-30 Rev 2, NASM21209C02-10 through NASM21209C24-30, NASM122076 through NASM122275 Rev. New, and NASM124651 through NASM124850 Rev. 1. Metric inserts are manufactured MA3279 Rev. B and MA3329 Rev. C., and are inspected to meet the requirements of our ISO 9001-2008 quality system. All inserts in the Standard Inch or Metric series are available in these materials upon request.

The Helical Wire standard inch free running, or non-locking series, will come in a clean finish. The standard inch self-locking series comes in a red colored finish. The Metric series is the same clean finish for both the locking series and the free-running series. Helical Wire inserts are available in various plated finishes and also Passivation upon request. If the need arises, we are also able to provide any of these materials or finishes in strip feed.



STAINLESS STEEL

General purpose uses.
18-8 diamond shaped wire
Manufactured per AS7245
and ANSM8846
Locking and Non-locking
Standard and Metric



PHOSPHOROUS BRONZE

For use in salt water applications. Non magnetic and electrically conductive.
Manufactured per AMS7247
Locking and Non-locking
Standard and Metric



INCONEL X-750

For use in high temperatures. This material is non-magnetic.
Manufactured per AS7246
Locking and Non-locking
Standard and Metric



NITRONIC 60

For use in vacuum situations. Non-magnetic, particle free and no additional coatings required.
Manufactured per AMS5848B
Locking and Non-locking
Standard and Metric



NIMONIC 90

Used in high temperature applications. Manufactured per AMS5829
Locking and Non-locking
Standard and Metric



RED DYE

Locking inserts are died red for easy distinction from the non-locking inserts.
Manufactured per AS7245
and NASM8846
Locking Standard



PRIMER FREE

Easier installation. Eliminates the need for the zinc primers and epoxies while preventing corrosion.
Manufactured per Xylan (R) 5251/840 Black or Xylan 5230/1131 Gray Black in Locking, Non-locking, Standard and Metric.



CADMIUM PLATE

Used in Military applications only. Manufactured per QQ-P-416 Type II
Locking, Non-locking,
Standard and Metric in Olive Drab and Non-Olive Drab.



SILVER PLATE

Used to reduce galling of threads when used at high temperatures. Manufactured per AMS2411-D or QQ-S-365
Locking, Non-locking,
Standard and Metric



DRY FILM LUBE

Used in high friction applications and temperatures up to 400°. Manufactured per AS5272
Locking and Non-locking,
Standard and Metric

FOR MORE INFORMATION

CALL: 775-246-5333 FAX: 775-246-5388 E-MAIL: INFO@HELICALWIRE.COM WEBSITE: WWW.HELICALWIRE.COM
PLEASE SEND INQUIRIES TO HELICAL WIRE INC. 6 PONY EXPRESS CIRCLE CARSON CITY, NEVADA 89706

TOOLING

Helical Wire manufactures tooling for all aspects of the Installation Process. The preparation of the parent material involves the drilling and tapping of a hole into the component. Helical Wire can supply the appropriate size drills and taps for your specific requirements. We also supply Thread Gages so you can check that the hole is correct. After drilling, tapping and gaging, we can provide you with Installation tools, Bolt type, Captive Sleeve and Removeable Sleeve. Besides the hand installation tools, we also provide Electric and Pneumatic Power Tools, as well as the related accessories. Tang Break-off Tools, and Extraction Tools are also available to complete the installation process. For quick and easy repairs we also have Repair Kits available. All tools conform to the highest standards required by the industry, and are available in all standard, metric and special sizes.



REPAIR KITS

Includes: tap, standard free-running, 1.5 dia. inserts, Bolt Type installation tool. Available in standard sizes 4-40 to 1-1/2-6 UNC, 6-40 to 1-1/2-12 UNF, in metric sizes 3M to 20M coarse and 8M to 18M fine.



MILITARY KITS

Includes: steel box, S.T.I. tap, Captive Sleeve installation tool, 1.5 dia. non-locking and locking inserts, Extraction Tool. In standard 2-56 to 1-1/2-6 UNC, 3-56 to 1-1/4-12 UNF, and metric M3x.5 to M18x1.5.



DRILLS

Manufactured per industry standard.



TAPS

Straight Flute, Spiral Pointed, Spiral Fluted, and Bottom STI taps. 2B and 3B class fit. Manufactured per MIL-T-21309E or A-A-59158



GAGES

Manufactured per MIL-T-21309E



BOLT TYPE

All of the Bolt Type installation tools are made of heat treated steel and are manufactured to conform to A-A-59158.



CAPTIVE SLEEVE

This pre-winder type installation tool is made of heat treated steel and conforms to A-A-59158. 2-56 through 1/2-13 UNC, and sizes 3-56 through 1/2-20 UNF standard series. Metric series from 2.2M through 18M.



REMOVEABLE SLEEVE

Manufactured per A-A-59158



ELECTRIC

Manufactured of the highest quality and conform to ASME B18.29.1-1993.



PNEUMATIC

Manufactured of the highest quality and conform to ASME B18.29.1-1993.



TANG BREAK-OFF

Manufactured per A-A-59158



EXTRACTION TOOLS

Conform to A-A-59158 and ASME B18.29.1-1993.

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