

**AEROSPACE
FASTENERS GUIDE**

AMECA

RELIABILITY AND SAFETY MANUFACTURER





45
YEARS
OF EXPERTISE

PRESENT IN
MORE THAN
30
COUNTRIES

16 000
ITEMS IN STOCK



MADE IN FRANCE

THE ROBUSTNESS OF A SYSTEM DEPENDS ON THE RELIABILITY OF ITS SMALLEST COMPONENT

We are fully aware of the challenges linked to the reliability of our assembly solutions. This is why we put all our effort to make your production reliable, everywhere in the world.

OUR GOAL: SUPPORTING YOU WHENEVER YOU NEED US

That is to say...

TO ADVISE

Technology, materials, treatments, we support you selecting the best solution according to your needs.

TO DESIGN

Our expertise is to bring what you need with a proactive approach and developing customized solutions.

TO PRODUCE

Quality is our DNA.
We manufacture in France according to applicable standards.

TO INSTALL

The detail makes the difference in term of strength and robustness. We stand by your side to secure the installation of our products in your assemblies.

TO SERVE

Reactivity is key to success.
We pay special attention to making your life easier: quick quotation, stock available on shelves, emergency production...

We are committed to being a trusted partner, close to its customers, invested in a sustainable way, looking for continuous improvements in all departments: production, products, logistics, service...

AMECA, MANUFACTURER OF RELIABILITY AND SAFETY



FRENCH MANUFACTURER OF MECHANICAL FASTENING SOLUTIONS



A PRODUCTION
ADAPTED TO YOUR NEEDS:
MICRO SERIES AND LARGE VOLUMES



RELIABILITY

Product quality, respect of applicable standards, respect of our commitments through our certifications.

It is because we are reliable that we can be trusted.



EXPERTISE

We have been manufacturing for 45 years: design office & automated production system.



INNOVATION

Products, production and service, we are continuously looking for innovation for our customers.



PROXIMITY

We remain at our customers disposal at all times: listening, advising and being flexible to meet their expectations.



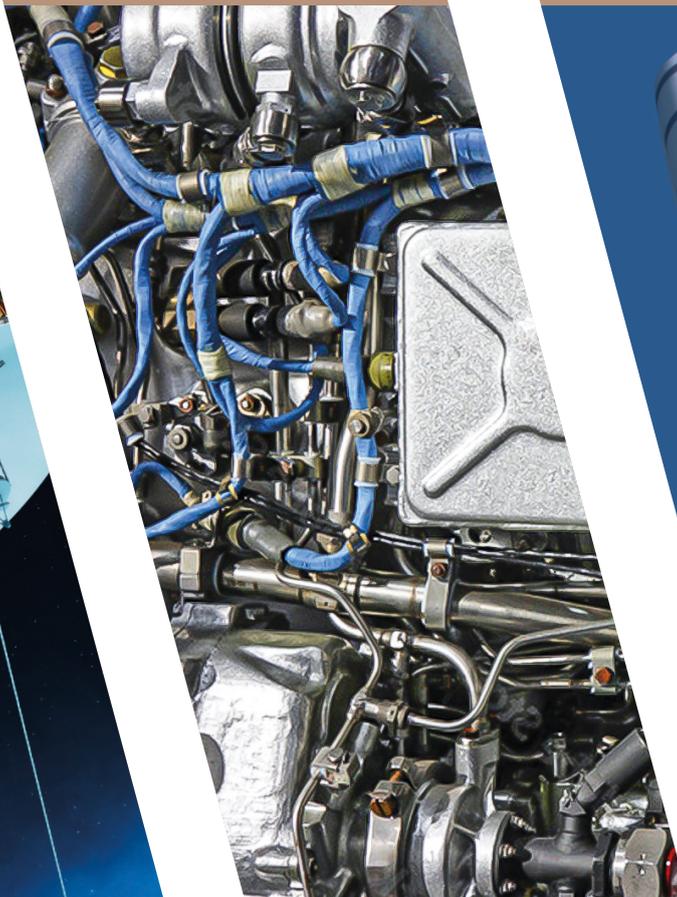
RELIABILITY FOR AEROSPACE INDUSTRY

We know that each industry has specific product and quality requirements. For decades, we have partnered with the aerospace industry to provide customized fastening solutions. We work closely with our customers to adapt and tailor our services to ensure that needs are being met at every stage.

SPACE



AVIONIC SYSTEMS



STRUCTURAL PARTS



/// TECHNOLOGICAL ADVANTAGES

OUR SOLUTIONS ARE DESIGNED TO OFFER YOU SAFETY IN ALL CONDITIONS.

- Resistance to Corrosive Environments
- Resistance to Thermal Factors
- Resistance to Premature Wear
- High friction reduction with special coating
- Anti-rotation lock insert
- Screw Pull-Off Resistance
- Resistance to Loosening & Anti-Loosening

Our wire thread inserts are used on major commercial aircrafts and European space programs.

CABIN INTERIOR



ENGINE



LANDING GEAR



YOU HAVE A QUESTION OR A PROJECT ?

Contact us: contact@ameca-sa.fr



SOLUTIONS FOR THE AEROSPACE INDUSTRY

MODULAR SYSTEM **AMECOIL**®

AMECOIL® wire thread inserts create high strength, wear free and heat resistant threads in materials with low strength. Available in different sizes and in a variety of thread forms, they can be supplied in a large range of materials and coatings.



THREAD FORMS: Metric Thread / UNC UNF / BSW / BSF

PRODUCT TYPE:



AMECOIL® SR



AMECOIL® SR AF



TANGLESS®



STRIP FEED



AMELOCK

MATERIALS: Stainless Steel Grade 304 / Bronze / Inconel X-750 / Nimonic 90 / Nitronic 60

COATINGS & PLATINGS*: Dry Lubrication / Cadmium Plating / Silver plating / Color Coding

* Other coatings are available on request.



INSTALLATION SYSTEMS

We also supply the assembly solutions for our AMECOIL® and TANGLESS® thread inserts.



Electrical installation devices:
GXT screwdriver



Pneumatic installation devices



Manual tools

REPAIR KITS

To repair damaged tappings, AMECOIL® Wire Thread Inserts are available in repair kits. Different models : Monokit or Multikit, Indus or Standard.

KEY-LOCKING INSERT **CLAVSERT**



Our Clavsert are easy to install and to remove. They are driven down into the threads of the surrounding base material, locking the insert in place.

- 3 Models: light-weight, reinforced and closed
- Sizes: M4 to M24 depending on series

SELF-TAPPING INSERT **AMESELF**



Metal insert which cuts out its own thread in light metals, plastics, wood and composite materials to provide a thread that withstands frequent assembly and disassembly of the screw.

- Sizes: M2,5 to M30.

AEROSPACE STANDARDS

/// METRIC THREADS

| STANDARDS & SPÉCIFICATIONS | DESCRIPTION |
|----------------------------|---|
| DIN8140-1 | WIRE THREAD INSERTS FOR ISO METRIC SCREW THREADS - PART 1: DIMENSIONS, TECHNICAL SPECIFICATIONS |
| DIN65100 | WIRE THREAD INSERTS, SCREW-LOCKING, COPPER ALLOY |
| LN9039 | AEROSPACE, INSERTS, HELICAL COIL THREADS |
| LN9490 | AEROSPACE SERIES - CLAMPS, LOOP TYPE, OF CORROSION-RESISTANT STEEL |
| LN9499 | AEROSPACE SERIES - INSERTS, HELICAL COIL THREADS, SCREW-LOCKING |
| EN2944 | INSERT, SCREW THREAD, HELICAL COIL, SCREW LOCKING IN CORROSION RESISTING STEEL (X10CrNi18-09) |
| EN2942 | INSERT, SCREW THREAD, HELICAL COIL, SCREW LOCKING, IN HEAT RESISTING NICKEL BASE ALLOY (INCONEL X750) SILVER PLATED |
| EN3542 | INSERT, SCREW THREAD, HELICAL COIL, SCREW LOCKING, IN HEAT RESISTING NICKEL BASE ALLOY (INCONEL X750) |
| NA0276 | INSERT, SCREW THREAD, HELICAL COIL, FREE RUNNING AND SELF-LOCKING, WITHOUT TANG |
| MA3279 | INSERT SCREW THREAD HELICAL COIL METRIC SERIES FREE RUNNING CRES UNCOATED |
| MA3329 | INSERT SCREW THREAD HELICAL COIL METRIC SERIES SCREW LOCKING CRES UNCOATED |

/// UNC/UNF THREADS

| STANDARDS & SPÉCIFICATIONS | DESCRIPTION |
|----------------------------|---|
| NASM8846 | INSERT, SCREW THREAD, HELICAL COIL, UNIFIED SERIES, PROCUREMENT SPECIFICATION |
| NAS1130 | INSERT, SCREW THREAD, HELICAL COIL, FREE RUNNING AND SELF-LOCKING, WITHOUT TANG |
| NASM21209 | INSERT, SCREW THREAD, COARSE AND FINE, SCREW LOCKING, HELICAL COIL |
| NASM122076 to NASM122275 | INSERT CRES HELICAL COIL COARSE THREAD (Nominal length: 1D, 1,5D, 2D, 2,5D, 3D) |
| NASM124651 to NASM124850 | INSERT CRED HELICAL COIL FINE THREAD (Nominal length: 1D, 1,5D, 2D, 2,5D, 3D) |

/// PLATINGS/COATINGS

| STANDARDS & SPÉCIFICATIONS | DESCRIPTION |
|----------------------------|--|
| AMS_QQP_416 | PLATING, CADMIUM (ELECTRODEPOSITED) |
| AMS 2411 | PLATING, SILVER FOR HIGH TEMPERATURE APPLICATIONS |
| AMS2526 | MOLYBDENUM DISULFIDE COATING, THIN LUBRICATING FILM IMPINGEMENT APPLIED |
| AS5272 | LUBRICANT, SOLID FILM, HEAT CURED, CORROSION INHIBITING, PROCUREMENT SPECIFICATION |
| EN 2786 | AEROSPACE SERIES ELECTROLYTIC SILVER PLATING OF FASTENERS |



AMECOIL® PART NUMBERS & CROSS REFERENCES

/// UNC - LOCKING SERIES - MS21209 / NAS1130

| THREAD SIZE | NOMINAL LENGHT (in Dia.) | TANGED | | WITHOUT TANG | |
|-------------|--------------------------|--------------|--------------|--------------|---------------|
| | | AMECOIL® No. | MS No. | AMECOIL® No. | NAS No. |
| 2-56 | 1 | 0210020086SR | MS21209C0210 | 0210020086SE | NAS1130-02L10 |
| | 1,5 | 0210020129SR | MS21209C0215 | 0210020129SE | NAS1130-02L15 |
| | 2 | 0210020172SR | MS21209C0220 | 0210020172SE | NAS1130-02L20 |
| | 2,5 | 0210020215SR | MS21209C0225 | 0210020215SE | NAS1130-02L25 |
| | 3 | 0210020258SR | MS21209C0230 | 0210020258SE | NAS1130-02L30 |
| 3-48 | 1 | 0210030099SR | MS21209C0310 | --- | --- |
| | 1,5 | 0210030148SR | MS21209C0315 | --- | --- |
| | 2 | 0210030198SR | MS21209C0320 | --- | --- |
| | 2,5 | 0210030248SR | MS21209C0325 | --- | --- |
| | 3 | 0210030297SR | MS21209C0330 | --- | --- |
| 4-40 | 1 | 0210040112SR | MS21209C0410 | 0210040112SE | NAS1130-04L10 |
| | 1,5 | 0210040168SR | MS21209C0415 | 0210040168SE | NAS1130-04L15 |
| | 2 | 0210040224SR | MS21209C0420 | 0210040224SE | NAS1130-04L20 |
| | 2,5 | 0210040280SR | MS21209C0425 | 0210040280SE | NAS1130-04L25 |
| | 3 | 0210040336SR | MS21209C0430 | 0210040336SE | NAS1130-04L30 |
| 5-40 | 1 | 0210050125SR | MS21209C0510 | --- | --- |
| | 1,5 | 0210050188SR | MS21209C0515 | --- | --- |
| | 2 | 0210050250SR | MS21209C0520 | --- | --- |
| | 2,5 | 0210050312SR | MS21209C0525 | --- | --- |
| | 3 | 0210050375SR | MS21209C0530 | --- | --- |
| 6-32 | 1 | 0210060138SR | MS21209C0610 | 0210060138SE | NAS1130-06L10 |
| | 1,5 | 0210060207SR | MS21209C0615 | 0210060207SE | NAS1130-06L15 |
| | 2 | 0210060276SR | MS21209C0620 | 0210060276SE | NAS1130-06L20 |
| | 2,5 | 0210060345SR | MS21209C0625 | 0210060345SE | NAS1130-06L25 |
| | 3 | 0210060414SR | MS21209C0630 | 0210060414SE | NAS1130-06L30 |
| 8-32 | 1 | 0210080164SR | MS21209C0810 | 0210080164SE | NAS1130-08L10 |
| | 1,5 | 0210080246SR | MS21209C0815 | 0210080246SE | NAS1130-08L15 |
| | 2 | 0210080328SR | MS21209C0820 | 0210080328SE | NAS1130-08L20 |
| | 2,5 | 0210080410SR | MS21209C0825 | 0210080410SE | NAS1130-08L25 |
| | 3 | 0210080492SR | MS21209C0830 | 0210080492SE | NAS1130-08L30 |
| 10-24 | 1 | 0210100190SR | MS21209C1-10 | 0210100190SE | NAS1130-3CL10 |
| | 1,5 | 0210100285SR | MS21209C1-15 | 0210100285SE | NAS1130-3CL15 |
| | 2 | 0210100380SR | MS21209C1-20 | 0210100380SE | NAS1130-3CL20 |
| | 2,5 | 0210100475SR | MS21209C1-25 | 0210100475SE | NAS1130-3CL25 |
| | 3 | 0210100570SR | MS21209C1-30 | 0210100570SE | NAS1130-3CL30 |
| 12-24 | 1 | 0210120216SR | MS21209C2-10 | --- | --- |
| | 1,5 | 0210120324SR | MS21209C2-15 | --- | --- |
| | 2 | 0210120432SR | MS21209C2-20 | --- | --- |
| | 2,5 | 0210120540SR | MS21209C2-25 | --- | --- |
| | 3 | 0210120648SR | MS21209C2-30 | --- | --- |
| 1/4-20 | 1 | 0210140250SR | MS21209C4-10 | 0210140250SE | NAS1130-4L10 |
| | 1,5 | 0210140375SR | MS21209C4-15 | 0210140375SE | NAS1130-4L15 |
| | 2 | 0210140500SR | MS21209C4-20 | 0210140500SE | NAS1130-4L20 |
| | 2,5 | 0210140625SR | MS21209C4-25 | 0210140625SE | NAS1130-4L25 |
| | 3 | 0210140750SR | MS21209C4-30 | 0210140750SE | NAS1130-4L30 |
| 5/16-18 | 1 | 0215160312SR | MS21209C5-10 | 0215160312SE | NAS1130-5CL10 |
| | 1,5 | 0215160469SR | MS21209C5-15 | 0215160469SE | NAS1130-5CL15 |
| | 2 | 0215160625SR | MS21209C5-20 | 0215160625SE | NAS1130-5CL20 |
| | 2,5 | 0215150781SR | MS21209C5-25 | 0215150781SE | NAS1130-5CL25 |
| | 3 | 0215160938SR | MS21209C5-30 | 0215160938SE | NAS1130-5CL30 |
| 3/8-16 | 1 | 0210380375SR | MS21209C6-10 | 0210380375SE | NAS1130-6CL10 |
| | 1,5 | 0210380562SR | MS21209C6-15 | 0210380562SE | NAS1130-6CL15 |
| | 2 | 0210380750SR | MS21209C6-20 | 0210380750SE | NAS1130-6CL20 |
| | 2,5 | 0210380938SR | MS21209C6-25 | 0210380938SE | NAS1130-6CL25 |
| | 3 | 0210381125SR | MS21209C6-30 | 0210381125SE | NAS1130-6CL30 |
| 7/16-14 | 1 | 0217160438SR | MS21209C7-10 | --- | --- |
| | 1,5 | 0217160656SR | MS21209C7-15 | --- | --- |
| | 2 | 0217160875SR | MS21209C7-20 | --- | --- |
| | 2,5 | 0217161094SR | MS21209C7-25 | --- | --- |
| | 3 | 0217161312SR | MS21209C7-30 | --- | --- |
| 1/2-13 | 1 | 0210120500SR | MS21209C8-10 | --- | --- |
| | 1,5 | 0210120750SR | MS21209C8-15 | --- | --- |
| | 2 | 0210121000SR | MS21209C8-20 | --- | --- |
| | 2,5 | 0210121250SR | MS21209C8-25 | --- | --- |
| | 3 | 0210121500SR | MS21209C8-30 | --- | --- |

/// UNF - LOCKING SERIES - MS21209 / NAS1130

| THREAD SIZE | NOMINAL LENGHT (in Dia.) | TANGED | | WITHOUT TANG | |
|-------------|-----------------------------|--------------|--------------|--------------|---------------|
| | | AMECOIL® No. | MS No. | AMECOIL® No. | NAS No. |
| 3-56 | 1 | 0220030099SR | MS21209F0310 | --- | --- |
| | 1,5 | 0220030148SR | MS21209F0315 | --- | --- |
| | 2 | 0220030198SR | MS21209F0320 | --- | --- |
| | 2,5 | 0220030248SR | MS21209F0325 | --- | --- |
| | 3 | 0220030297SR | MS21209F0330 | --- | --- |
| 4-48 | 1 | 0220040112SR | MS21209F0410 | --- | --- |
| | 1,5 | 0220040168SR | MS21209F0415 | --- | --- |
| | 2 | 0220040224SR | MS21209F0420 | --- | --- |
| | 2,5 | 0220040280SR | MS21209F0425 | --- | --- |
| | 3 | 0220040336SR | MS21209F0430 | --- | --- |
| 6-40 | 1 | 0220060138SR | MS21209F0610 | --- | --- |
| | 1,5 | 0220060207SR | MS21209F0615 | --- | --- |
| | 2 | 0220060276SR | MS21209F0620 | --- | --- |
| | 2,5 | 0220060345SR | MS21209F0625 | --- | --- |
| | 3 | 0220060414SR | MS21209F0630 | --- | --- |
| 8-36 | 1 | 0220080164SR | MS21209F0810 | --- | --- |
| | 1,5 | 0220080246SR | MS21209F0815 | --- | --- |
| | 2 | 0220080328SR | MS21209F0820 | --- | --- |
| | 2,5 | 0220080410SR | MS21209F0825 | --- | --- |
| | 3 | 0220080492SR | MS21209F0830 | --- | --- |
| 10-32 | 1 | 0220100190SR | MS21209F1-10 | 0220100190SE | NAS1130-3L10 |
| | 1,5 | 0220100285SR | MS21209F1-15 | 0220100285SE | NAS1130-3L15 |
| | 2 | 0220100380SR | MS21209F1-20 | 0220100380SE | NAS1130-3L20 |
| | 2,5 | 0220100475SR | MS21209F1-25 | 0220100475SE | NAS1130-3L25 |
| | 3 | 0220100570SR | MS21209F1-30 | 0220100570SE | NAS1130-3L30 |
| 1/4-28 | 1 | 0220140250SR | MS21209F4-10 | 0220140250SE | NAS1130-4FL10 |
| | 1,5 | 0220140375SR | MS21209F4-15 | 0220140375SE | NAS1130-4FL15 |
| | 2 | 0220140500SR | MS21209F4-20 | 0220140500SE | NAS1130-4FL20 |
| | 2,5 | 0220140625SR | MS21209F4-25 | 0220140625SE | NAS1130-4FL25 |
| | 3 | 0220140750SR | MS21209F4-30 | 0220140750SE | NAS1130-4FL30 |
| 5/16-24 | 1 | 0225160312SR | MS21209F5-10 | 0225160312SE | NAS1130-5FL10 |
| | 1,5 | 0225160469SR | MS21209F5-15 | 0225160469SE | NAS1130-5FL15 |
| | 2 | 0225160625SR | MS21209F5-20 | 0225160625SE | NAS1130-5FL20 |
| | 2,5 | 0225160781SR | MS21209F5-25 | 0225160781SE | NAS1130-5FL25 |
| | 3 | 0225160938SR | MS21209F5-30 | 0225160938SE | NAS1130-5FL30 |
| 3/8-24 | 1 | 0220380375SR | MS21209F6-10 | 0220380375SE | NAS1130-6FL10 |
| | 1,5 | 0220380562SR | MS21209F6-15 | 0220380562SE | NAS1130-6FL15 |
| | 2 | 0220380750SR | MS21209F6-20 | 0220380750SE | NAS1130-6FL20 |
| | 2,5 | 0220380938SR | MS21209F6-25 | 0220380938SE | NAS1130-6FL25 |
| | 3 | 0220381125SR | MS21209F6-30 | 0220381125SE | NAS1130-6FL30 |
| 7/16-20 | 1 | 0227160438SR | MS21209F7-10 | --- | --- |
| | 1,5 | 0227160656SR | MS21209F7-15 | --- | --- |
| | 2 | 0227160875SR | MS21209F7-20 | --- | --- |
| | 2,5 | 0227161094SR | MS21209F7-25 | --- | --- |
| | 3 | 0227161312SR | MS21209F7-30 | --- | --- |
| 1/2-20 | 1 | 0220120500SR | MS21209F8-10 | --- | --- |
| | 1,5 | 0220120750SR | MS21209F8-15 | --- | --- |
| | 2 | 0220121000SR | MS21209F8-20 | --- | --- |
| | 2,5 | 0220121250SR | MS21209F8-25 | --- | --- |
| | 3 | 0220121500SR | MS21209F8-30 | --- | --- |

Dry Lubrication: Add a "L" after "MS21209" and "NAS1130" P/N and Replace "02" by "62" in AMECOIL® P/N. For other coatings: please contact us.



AMECOIL® PART NUMBERS & CROSS REFERENCES

/// METRIC - LOCKING SERIES - MA3329 / LN9499

| THREAD SIZE | NOMINAL LENGHT (in Dia.) | TANGED | | |
|-------------|--------------------------|--------------|------------|-----------------|
| | | AMECOIL® No. | MA No. | LN No. |
| M2.5X0.45 | 1 | 0225045025SR | MA3329-101 | LN9499 - 00 025 |
| | 1,5 | 0225045375SR | MA3329-151 | LN9499 - 00 037 |
| | 2 | 0225045005SR | MA3329-201 | LN9499 - 00 050 |
| | 2,5 | 0225045625SR | MA3329-251 | - |
| | 3 | 0225045075SR | MA3329-301 | - |
| M3X0.5 | 1 | 0203050003SR | MA3329-102 | LN9499 - 01 030 |
| | 1,5 | 0203050045SR | MA3329-152 | LN9499 - 01 045 |
| | 2 | 0203050006SR | MA3329-202 | LN9499 - 01 060 |
| | 2,5 | 0203050075SR | MA3329-252 | - |
| | 3 | 0203050009SR | MA3329-302 | - |
| M4X0.7 | 1 | 0204070004SR | MA3329-104 | LN9499 - 02 040 |
| | 1,5 | 0204070006SR | MA3329-154 | LN9499 - 02 060 |
| | 2 | 0204070008SR | MA3329-204 | LN9499 - 02 080 |
| | 2,5 | 0204070010SR | MA3329-254 | LN9499 - 02 100 |
| | 3 | 0204070012SR | MA3329-304 | LN9499 - 02 120 |
| M5X0.8 | 1 | 0205080005SR | MA3329-105 | LN9499 - 03 050 |
| | 1,5 | 0205080075SR | MA3329-155 | LN9499 - 03 075 |
| | 2 | 0205080010SR | MA3329-205 | LN9499 - 03 100 |
| | 2,5 | 0205080125SR | MA3329-255 | LN9499 - 03 125 |
| | 3 | 0205080015SR | MA3329-305 | LN9499 - 03 150 |
| M6X1 | 1 | 0206100006SR | MA3329-106 | LN9499 - 04 060 |
| | 1,5 | 0206100009SR | MA3329-156 | LN9499 - 04 090 |
| | 2 | 0206100012SR | MA3329-206 | LN9499 - 04 120 |
| | 2,5 | 0206100015SR | MA3329-256 | LN9499 - 05 150 |
| | 3 | 0206100018SR | MA3329-306 | LN9499 - 05 180 |
| M7X1 | 1 | 0207100007SR | MA3329-107 | - |
| | 1,5 | 0207100105SR | MA3329-157 | - |
| | 2 | 0207100014SR | MA3329-207 | - |
| | 2,5 | 0207100175SR | MA3329-257 | - |
| | 3 | 0207100021SR | MA3329-307 | - |
| M8X1.0 | 1 | 0208100008SR | MA3329-108 | LN9499 - 06 080 |
| | 1,5 | 0208100012SR | MA3329-158 | LN9499 - 06 120 |
| | 2 | 0208100016SR | MA3329-208 | LN9499 - 06 160 |
| | 2,5 | 0208100020SR | MA3329-258 | - |
| | 3 | 0208100024SR | MA3329-308 | - |
| M8X1.25 | 1,0 | 0208125008SR | MA3329-109 | LN9499 - 07 080 |
| | 1,5 | 0208125012SR | MA3329-159 | LN9499 - 07 120 |
| | 2,0 | 0208125016SR | MA3329-209 | LN9499 - 07 160 |
| | 2,5 | 0208125020SR | MA3329-259 | LN9499 - 07 200 |
| | 3,0 | 0208125024SR | MA3329-309 | LN9499 - 07 240 |
| M10X1 | 1 | 0210100010SR | - | LN9499 - 08 100 |
| | 1,5 | 0210100015SR | - | LN9499 - 08 150 |
| | 2 | 0210100020SR | - | LN9499 - 08 200 |

/// METRIC - LOCKING SERIES - MA3329 / LN9499

| THREAD SIZE | NOMINAL LENGHT (in Dia.) | TANGED | | |
|-------------|-----------------------------|--------------|------------|-----------------|
| | | AMECOIL® No. | MA No. | LN No. |
| M10X1.25 | 1,0 | 0210125010SR | MA3329-110 | LN9499 - 09 100 |
| | 1,5 | 0210125015SR | MA3329-160 | LN9499 - 09 150 |
| | 2,0 | 0210125020SR | MA3329-210 | LN9499 - 09 200 |
| | 2,5 | 0210125025SR | MA3329-260 | - |
| | 3,0 | 0210125030SR | MA3329-310 | - |
| M10X1.5 | 1,0 | 0210150010SR | MA3329-111 | LN9499 - 10 100 |
| | 1,5 | 0210150015SR | MA3329-161 | LN9499 - 10 150 |
| | 2,0 | 0210150020SR | MA3329-211 | LN9499 - 10 200 |
| | 2,5 | 0210150025SR | MA3329-261 | LN9499 - 10 250 |
| | 3,0 | 0210150030SR | MA3329-311 | LN9499 - 10 300 |
| M12X1.25 | 1,0 | 0212125012SR | MA3329-112 | LN9499 - 11 120 |
| | 1,5 | 0212125018SR | MA3329-162 | LN9499 - 11 180 |
| | 2,0 | 0212125024SR | MA3329-212 | LN9499 - 11 240 |
| | 2,5 | 0212125030SR | MA3329-262 | - |
| | 3,0 | 0212125036SR | MA3329-312 | - |
| M12X1.5 | 1,0 | 0212150012SR | MA3329-113 | LN9499 - 12 120 |
| | 1,5 | 0212150018SR | MA3329-163 | LN9499 - 12 180 |
| | 2,0 | 0212150024SR | MA3329-213 | LN9499 - 12 240 |
| | 2,5 | 0212150030SR | MA3329-263 | LN9499 - 12 300 |
| | 3,0 | 0212150036SR | MA3329-313 | LN9499 - 12 360 |
| M12X1.75 | 1,0 | 0212175012SR | MA3329-114 | - |
| | 1,5 | 0212175018SR | MA3329-164 | - |
| | 2,0 | 0212175024SR | MA3329-214 | - |
| | 2,5 | 0212175030SR | MA3329-264 | - |
| | 3,0 | 0212175036SR | MA3329-314 | - |

Dry Lubrication : Add a « L » after « MS21209 » P/N and add a « D » after « NAS1130 » P/N and replace "02" by "62" for AMECOIL® P/N.

For Free running version : Aerospace standard base P/N is "MA33279" instead of "3329". Replace "02" by "01" for AMECOIL® P/N.

For Free running version : Aerospace standard base P/N is "LN9039" instead of "LN9499". Replace "02" by "01" for AMECOIL® P/N.

Other sizes available on request



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