

# THE BLUE BOOK



Aerospace Buyer's Directory To  
HELICOIL® Wire Thread Inserts

**HELICOIL® Plus**  
made by **BOLLHOFF**

Issue 3/August 2012

**BOLLHOFF**

# We serve all stages of

## Development

- Direct technical support at your premises
- Application engineering
- Prototyping
- Customer-specific solutions
- HELICOIL® training



## Testing

- Mechanical testing
- Physical/chemical testing
- Accredited laboratory according to DIN EN ISO 17025



## Prod

- Manufacturing controlled fast
- Mold constructi
- Certified



**Böllhoff: Partner of the Aerospace Industry all over the world**

# your value-added chain



of 100%-  
ners  
on

- Assembly of fastening elements
  - Manual
  - Automatic
- Separation and feeding

- Individual customer solutions
- Process planning
- 100% readiness for delivery

Böllhoff International with companies in:

- Argentina
- Austria
- Brazil
- Canada
- China
- Czechia
- France
- Germany
- Hungary
- India
- Italy
- Japan
- Mexico
- Poland
- Romania
- Russia
- Slovakia
- South Korea
- Spain
- Switzerland
- Thailand
- Turkey
- United Kingdom
- USA

Apart from these 24 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.



## HELICOIL® Wire Thread Inserts

HELICOIL® thread inserts create high strength, wear free and heat resistant threads of the highest precision in low strength materials. Manufactured in free running and screwlock version, HELICOIL® thread inserts are available in a wide range of metric or imperial sizes and in a variety of thread forms. They are supplied in a range of materials and offer a number of surface treatments and coatings designed to prevent corrosion and galling.

HELICOIL® inserts have been manufactured by Böllhoff Group companies in Germany and the United Kingdom for over fifty years. Produced to proven designs and accredited worldwide by the most demanding of aerospace and defense industries. The Böllhoff Group provides one of the widest ranges of insert solutions and technical accreditations in the world.

HELICOIL® is the brand that is used and trusted globally.

### Quality Management System Accreditations

EN9100, DIN EN ISO 9001, DIN EN ISO 14001, DIN EN ISO/IEC 17025, ISO/TS16949

### HELICOIL® Wire Thread Insert Capabilities

AGS3600	EN2942	MA3281
AGS3700	EN2944	MA3329
AGS4677	EN3542	MA3330
		MA3331
AS6733	LN9039	
AS6734	LN9039A	NASM122076 to NASM122275
AS8455	LN9499	NASM124651 to NASM124850
AS8456	LN9499A	NASM21209
DIN65536	MA3279	NA0276
	MA3280	NAS1130

HELICOIL® wire thread inserts are also manufactured to comply with individual customer requirements and standards, for example Rolls Royce U series and Airbus ASN-A 0040, details of which are available on request.

The purpose of this guide is to provide the buyer, designer and customer an easy access to the numerous quality accreditations and classification series detail that are in place worldwide. It is not intended to provide detailed manufacturer part numbers as these can be found in the product and tooling catalogues detailed below.

### HELICOIL® product and tooling catalogues

- HELICOIL® Plus metric thread inserts (no. 0100)
- HELICOIL® Plus imperial thread inserts (no. 0101)
- HELICOIL® Classic metric and imperial thread inserts

Available for download at [www.bollhoff.com](http://www.bollhoff.com)

HELICOIL® Screw Thread Inserts **Contents**

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AGS3600	<b>10</b>	EN3542	<b>21</b>	MA3331	<b>44</b>
AGS3700	<b>11</b>	LN9039	<b>22</b>	NASM122076 to NASM124831	<b>47</b>
AGS4677	<b>12</b>	LN9039A	<b>24</b>	NASM21209	<b>50</b>
AS6733	<b>13</b>	LN9499	<b>25</b>	NA0276	<b>53</b>
AS6734	<b>14</b>	LN9499A	<b>27</b>	NAS1130	<b>54</b>
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**HELICOIL® Product Reference**

	Insert Materials					Finishes					Type				Thread		Page	
	STAINLESS STEEL	BRONZE	INCONEL X 750	NIMONIC	CADMIUM PLATED	DRY FILM LUBE	SILVER PLATED	SELF FINISH OR BARE	DYED	FREE RUNNING	SCREW LOCK	TANGLED	TANGFREE	UNC	UNF	METRIC COARSE		METRIC FINE
AGS3600	●				●					●	●	●		●	●			10
AGS3700				●			●			●	●	●			●			11
AGS4677	●				●					●	●	●				●	●	12
AS6733	●						●			●	●	●			●			13
AS6734	●						●			●	●	●		●				14
AS8455	●				●					●	●	●			●			15
AS8456	●				●					●	●	●		●				16
DIN65536		●					●	●		●	●	●				●	●	17
EN2942			●				●			●	●	●				●		19
EN2944	●							●	●	●	●	●				●		20
EN3542			●							●	●	●				●		21
LN9039	●							●	●	●	●	●				●	●	22
LN9039A	●				●				●	●	●	●				●	●	24
LN9499	●						●	●		●	●	●				●	●	25
LN9499A	●				●					●	●	●				●	●	27
MA3279	●						●			●	●	●				●	●	29
MA3280	●					●				●	●	●						32
MA3281	●				●					●	●	●				●	●	35
MA3329	●						●			●	●	●				●	●	38
MA3330	●					●				●	●	●				●	●	41
MA3331	●				●					●	●	●				●	●	44
NASM122076 to NASM124831	●						●			●	●	●		●	●			47
NASM21209	●				●	●		●	●	●	●	●		●	●			50
NA0276	●				●	●		●		●	●	●	●			●	●	53
NAS1130	●						●			●	●	●	●	●	●			54

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## Insert Material Guide

HELICOIL® aerospace wire thread inserts are available in the following materials:

### Stainless Steel Grade 304

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Material specifications: AS7245, DTD734, 1.4301  
Temperature resistance: 600°F / 315°C long term (800°F / 425°C short term)

Standard, general purpose material  
Stocked in most sizes  
Ideal for original equipment applications, repair and overhaul

### Bronze

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Material specification: 2.1020.34 according DIN17677  
Temperature resistance: 480°F / 250°C long term (570°F / 300°C short term)

Non magnetic  
For electrical bonding joints and low permeability

### Inconel X 750 (Heat Resisting Nickel Alloy)

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Material specifications: AS7246, EN3018, 2.4669  
Temperature resistance: 1020°F / 550°C long term (1380°F / 750°C short term)

For use in high temperature applications

### Nimonic 90 (Austenitic High Temperature Alloy)

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Material specifications: HR 503, 2.4632  
Temperature resistance: 1100°F / 600°C long term (1650°F / 900°C short term)

For use in high temperature applications

## Insert Coatings and Platings

HELICOIL® aerospace wire thread inserts are available in the following finishes:

### Silver Plating

Recommended to reduce galling of threads at high temperatures  
 For use up to 1200°F / 650°C  
 Material Specifications: QQ-S-365 / SAE AMS 2411 / EN2786 / DTD939  
 Colour: Silver White

### Cadmium Plating

Provides high corrosion resistance  
 Provides lubrication to prevent galling (Not recommended for new designs due to its toxic nature)  
 Material Specifications: QQ-P-416 Type II / DEF STD 03-19  
 Colour: Yellow

### Dry Film Lubricant

Provides additional lubrication in high friction applications  
 High temperature resistance up to 400°F / 240°C  
 Highly recommended with HELICOIL® screwlock inserts  
 Mildly corrosion resistant  
 Material Specifications: MIL-L46010 / AS5272  
 Colour: Grey

### Colour Coding

Facilitates verification of insert installation  
 Allows for quick identification of similar size inserts  
 Colours: red, green, blue and yellow

In general all HELICOIL® screwlock inserts (imperial and metric dimensions) are supplied with a red colouring in accordance with NASM21209.

Colourings of the HELICOIL® thread inserts for identification purpose according to customer specific requirements are also available.

HELICOIL® thread inserts for aerospace are available in the following surface finishes and platings depending on the HELICOIL® base material.

Material	Non-finished	Dry Film Lubricant	Cadmium Plating	Silver Plating
Stainless Steel Grade 304	●	●	●	●
Bronze	●	–	–	●
Inconel X 750	●	–	–	●
Nimonic 90	●	–	–	●

Other finishes are available on request.

# HELICOIL® Tools

## Tapping tools



Manual tapping tools



Drill and tapping tools



Machine tapping tools



Machine tap former

## Gauges



"Internal thread gauges" for checking the tapped hole

## Disassembly tool



for the disassembly of HELICOIL® thread inserts

## Manual installation tools



Type H-PSG  
(threaded mandrel, pitch  
guiding, with depth gauge)



Type H-PMG  
(flat mandrel, pitch guiding,  
with depth gauge)



Type H-PM  
(flat mandrel, without pitch  
guiding, with depth gauge)



Type H-M  
(fly-over tool with depth  
gauge)

## Electric mandrel installation tools



Type B-S 206  
up to M 6 / UNC 1/4"-20 / UNF 1/4"-28  
(without picture:  
Type B-S 824 for larger dimensions)



Type E-S 206  
up to M 6 / UNC 12-24 / UNF 10-32  
(without picture:  
Type E-S 410 for larger dimensions)

## Electric pre-winder installation tool



Type E-PSG  
up to M 6 / UNC 12-24 / UNF 10-32

## HELICOIL® product and tooling catalogues

- Catalogue for metric thread inserts for metal (no. 0100)
- Catalogue for imperial thread inserts for metal (no. 0101)
- Catalogue for repair kits and repair range kits (no. 0180)



## HELICOIL® Tools

### Pneumatic mandrel installation tools



Type P-S 412  
up to M 12 / UNC 1/2"-3 / UNF 1/2"-20



Type P-S 1216  
for larger dimensions

### Pneumatic pre-winder installation tool



Type P-PSG  
up to M 26 / UNC 1/2"-13 / UNF 1/2"-20

### HELICOIL® tangfree



Complete installation tool  
M 3 up to M 12



Complete installation tool with pre-stressing cartridge  
M 3 up to M 10

### Stripfeed system



Parallel system type S for installation of stripfeed inserts

### Repair kits



HELICOIL® repair kits are available per dimension up to  
M 36 / UNC 1 1/2"-6 / UNF 1"-12 / BSW 1 1/2"-6 / BSF 1"-10 / G 1"-11.

Various standard and special range kits are also part of our portfolio,  
also assembled on customer demands.

## AGS3600 series

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### HELICOIL® Wire Thread Insert

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Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304) AMS7245, DTD734**

Finish: **Cadmium Plating**

Type: **Screwlock**

Thread form: **UNC and UNF**

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Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with a UNC or UNF thread format and is available in the 5 nominal lengths. The screw locking coil acts as locking mechanism for the male fastener. The cadmium plated finish provides lubrication and minimises galling.

#### Part Number

AGS3605  
AGS3606  
AGS3607  
AGS3608  
AGS3609  
AGS3610  
AGS3611  
AGS3612  
AGS3613  
AGS3614  
AGS3615  
AGS3616  
AGS3617  
AGS3618  
AGS3619  
AGS3620  
AGS3621  
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AGS3636  
AGS3654  
AGS3655  
AGS3656  
AGS3657  
AGS3658  
AGS3659  
AGS3660  
AGS3661  
AGS3679

AGS3680  
AGS3681  
AGS3682  
AGS3683  
AGS3684  
AGS3685  
AGS3686

## **AGS3700 series**

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### **HELICOIL® Wire Thread Insert**

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Insert Material: **Nimonic 90, BS HR503**

Finish: **Silver Plating**

Type: **Screwlock**

Thread form: **UNF**

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Produced to AIDIS (SBAC) technical committee standards, this series of UNF thread form inserts is available in most lengths. Specified predominantly in engine applications where heat and vibration is inherent, the screw locking coil acts as locking mechanism for the male fastener. The silver finish reduces galling of threads at high temperatures.

#### **Part Number**

**AGS3706**

**AGS3707**

**AGS3708**

**AGS3709**

**AGS3710**

**AGS3711**

**AGS3712**

**AGS3713**

**AGS3718**

**AGS3719**

**AGS3720**

**AGS3721**

**AGS3722**

**AGS3723**

**AGS3731**

**AGS3732**

**AGS3733**

**AGS3734**

**AGS3735**

**AGS3736**

**AGS3756**

**AGS3757**

**AGS3758**

**AGS3759**

**AGS3760**

**AGS3761**

**AGS3781**

**AGS3782**

**AGS3783**

**AGS3784**

**AGS3785**

**AGS3786**

## AGS4677 series

### HELICOIL® Wire Thread Insert

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AMS7245, DTD734**

Finish: **Cadmium Plating**

Type: **Screwlock**

Thread form: **Metric Course and Metric Fine**

Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with metric thread format and is available in the 5 nominal lengths. The screw locking coil acts as locking mechanism for the male fastener. The cadmium plated finish provides lubrication and minimises galling.

#### Part Number

AGS4677M04060  
AGS4677M04080  
AGS4677M04100  
AGS4677M04120  
AGS4677M05075  
AGS4677M05100  
AGS4677M05125  
AGS4677M05150  
AGS4677M06090  
AGS4677M06120  
AGS4677M06150  
AGS4677M06180  
AGS4677M07105  
AGS4677M07140  
AGS4677M07175  
AGS4677M07210  
AGS4677M08080  
AGS4677M08120

AGS4677M08160  
AGS4677M08200  
AGS4677M08240  
AGS4677M10100  
AGS4677M10150  
AGS4677M10200  
AGS4677M10250  
AGS4677M10300  
AGS4677M12120  
AGS4677M12180  
AGS4677M12240  
AGS4677M12300  
AGS4677M12360  
AGS4677M14140  
AGS4677M14210  
AGS4677M14280  
AGS4677M14350  
AGS4677M14420

AGS4677M16160  
AGS4677M16240  
AGS4677M16320  
AGS4677M16400  
AGS4677M16480  
AGS4677M18180  
AGS4677M18270  
AGS4677M18360  
AGS4677M18450  
AGS4677M18540  
AGS4677M20200  
AGS4677M20300  
AGS4677M20400  
AGS4677M20500  
AGS4677M20600

## AS6733 series

### **HELICOIL®** Wire Thread Insert

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AMS7245, DTD734**

Finish: **Self Finish (unplated)**

Type: **Free running**

Thread form: **UNF**

Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with UNF thread format and is available in the 5 nominal lengths.

#### Part Number

AS6733-1  
AS6733-2  
AS6733-3  
AS6733-4  
AS6733-5  
AS6733-6  
AS6733-7  
AS6733-8  
AS6733-9  
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AS6733-67  
AS6733-68  
AS6733-69  
AS6733-70

AS6733-71

## AS6734 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AMS725, DTD734</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Free running</b>
Thread form:	<b>UNC</b>

Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with UNC thread format and is available in the 5 nominal lengths.

#### Part Number

AS6734-1  
AS6734-2  
AS6734-3  
AS6734-4  
AS6734-5  
AS6734-6  
AS6734-7  
AS6734-8  
AS6734-9  
AS6734-10  
AS6734-11  
AS6734-12  
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AS6734-76  
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AS6734-78  
AS6734-79  
AS6734-80

## AS8455 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AMS725, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Free running</b>
Thread form:	<b>UNF</b>

Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with UNF thread format and is available in the 5 nominal lengths. The Cadmium Plated finish provides lubrication and minimises galling.

**Part Number**

AS8455-1	AS8455-23	AS8455-49	AS8455-71
AS8455-2	AS8455-24	AS8455-50	
AS8455-3	AS8455-25	AS8455-51	
AS8455-4	AS8455-26	AS8455-52	
AS8455-5	AS8455-31	AS8455-53	
AS8455-6	AS8455-32	AS8455-54	
AS8455-7	AS8455-33	AS8455-55	
AS8455-8	AS8455-34	AS8455-56	
AS8455-9	AS8455-35	AS8455-61	
AS8455-10	AS8455-36	AS8455-62	
AS8455-11	AS8455-37	AS8455-63	
AS8455-16	AS8455-38	AS8455-64	
AS8455-17	AS8455-39	AS8455-65	
AS8455-18	AS8455-40	AS8455-66	
AS8455-19	AS8455-41	AS8455-67	
AS8455-20	AS8455-46	AS8455-68	
AS8455-21	AS8455-47	AS8455-69	
AS8455-22	AS8455-48	AS8455-70	

## AS8456 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AMS725, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Free running</b>
Thread form:	<b>UNC</b>

Produced to AIDIS (SBAC) technical committee standards, this series of inserts is specified in aerospace applications with UNC thread format and is available in the 5 nominal lengths. The Cadmium Plated finish provides lubrication and minimises galling.

#### Part Number

AS8456-1  
AS8456-2  
AS8456-3  
AS8456-4  
AS8456-5  
AS8456-6  
AS8456-7  
AS8456-8  
AS8456-9  
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AS8456-79  
AS8456-80



## DIN65536 series

### HELICOIL® Wire Thread Insert

Insert Material: **Bronze, 2.1020.34**  
 Finish: **Bare**  
 Type: **Screwlock**  
 Thread form: **Metric Coarse and Metric Fine**

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in 3 nominal lengthh. Bronze thread inserts are non magnetic and have a low permeability. They are used for electrical bonding joints.

**Part Number**

DIN65536-01 025 A	DIN65536-07 080 A		
DIN65536-01 037 A	DIN65536-07 120 A		
DIN65536-01 050 A	DIN65536-07 160 A		
DIN65536-02 030 A	DIN65536-08 100 A		
DIN65536-02 045 A	DIN65536-08 150 A		
DIN65536-02 060 A	DIN65536-08 200 A		
DIN65536-03 040 A	DIN65536-09 100 A		
DIN65536-03 060 A	DIN65536-09 150 A		
DIN65536-03 080 A	DIN65536-09 200 A		
DIN65536-04 050 A	DIN65536-10 120 A		
DIN65536-04 075 A	DIN65536-10 180 A		
DIN65536-04 100 A	DIN65536-10 240 A		
DIN65536-05 060 A	DIN65536-11 120 A		
DIN65536-05 090 A	DIN65536-11 180 A		
DIN65536-05 120 A	DIN65536-11 240 A		
DIN65536-06 080 A			
DIN65536-06 120 A			
DIN65536-06 160 A			

## DIN65536 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material: **Bronze, 2.1020.34**  
Finish: **Silverplated**  
Type: **Screwlock**  
Thread form: **Metric Coarse and Metric Fine**

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in 3 nominal length. Bronze thread inserts are non magnetic and have a low permeability. They are used for electrical bonding joints. The silver finish reduces galling of threads at high temperatures.

#### Part Number

DIN65536-01 025 U  
DIN65536-01 037 U  
DIN65536-01 050 U  
DIN65536-02 030 U  
DIN65536-02 045 U  
DIN65536-02 060 U  
DIN65536-03 040 U  
DIN65536-03 060 U  
DIN65536-03 080 U  
DIN65536-04 050 U  
DIN65536-04 075 U  
DIN65536-04 100 U  
DIN65536-05 060 U  
DIN65536-05 090 U  
DIN65536-05 120 U  
DIN65536-06 080 U  
DIN65536-06 120 U  
DIN65536-06 160 U

DIN65536-07 080 U  
DIN65536-07 120 U  
DIN65536-07 160 U  
DIN65536-08 100 U  
DIN65536-08 150 U  
DIN65536-08 200 U  
DIN65536-09 100 U  
DIN65536-09 150 U  
DIN65536-09 200 U  
DIN65536-10 120 U  
DIN65536-10 180 U  
DIN65536-10 240 U  
DIN65536-11 120 U  
DIN65536-11 180 U  
DIN65536-11 240 U

## EN2942 series

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### **HELICOIL® Wire Thread Insert**

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Insert Material: **Inconel X750, EN3018**

Finish: **Silver Plating**

Type: **Screwlock**

Thread form: **Metric Coarse and Metric Fine**

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Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in 2 nominal length. Specified predominantly in engine applications where heat and vibration is inherent, the screw locking coil acts as locking mechanism for the male fastener. The silver finish reduces galling of threads at high temperatures.

#### Part Number

EN2942-040-050

EN2942-040-060

EN2942-050-063

EN2942-050-075

EN2942-060-075

EN2942-060-090

EN2942-070-088

EN2942-070-105

EN2942-080-100

EN2942-080-120

EN2942-100-125

EN2942-100-150

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## EN2944 series

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### **HELICOIL® Wire Thread Insert**

Insert Material: **Corrosion Resistant Steel, EN2947**

Finish: **Bare, blue coloured**

Type: **Screwlock**

Thread form: **Metric Coarse and Metric Fine**

---

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in 3 nominal length. The screw locking coil acts as locking mechanism for the male fastener.

#### Part Number

EN2944-040-060

EN2944-040-080

EN2944-040-100

EN2944-050-075

EN2944-050-100

EN2944-050-125

EN2944-060-090

EN2944-060-120

EN2944-060-150

EN2944-070-105

EN2944-070-140

EN2944-070-175

EN2944-080-120

EN2944-080-160

EN2944-080-200

EN2944-100-150

EN2944-100-200

EN2944-100-250

## EN3542 series

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### **HELICOIL® Wire Thread Insert**

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Insert Material: **Inconel X750, EN3018**

Finish: **Bare, yellow coloured**

Type: **Screwlock**

Thread form: **Metric Coarse and Metric Fine**

---

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in 2 nominal length. Specified predominantly in engine applications where heat and vibration is inherent, the screw locking coil acts as locking mechanism for the male fastener. The silver finish reduces galling of threads at high temperatures.

#### Part Number

EN3542-040-050

EN3542-040-060

EN3542-050-063

EN3542-050-075

EN3542-060-075

EN3542-060-090

EN3542-070-088

EN3542-070-105

EN3542-080-100

EN3542-080-120

EN3542-100-125

EN3542-100-150

## LN9039 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in the 5 nominal lengths.

#### Part Number

LN903900025

LN903900037

LN903900050

LN903901030

LN903901045

LN903901060

LN903902040

LN903902060

LN903902080

LN903903050

LN903903075

LN903903100

LN903903125

LN903903150

LN903904060

LN903904090

LN903904120

LN903904150

LN903904180

LN903905070

LN903905105

LN903905140

LN903906080

LN903906120

LN903906160

LN903907080

LN903907120

LN903907160

LN903907200

LN903907240

LN903908100

LN903908150

LN903908200

LN903909100

LN903909150

LN903909200

LN903910100

LN903910150

LN903910200

LN903910250

LN903910300

LN903911120

LN903911180

LN903911240

LN903912120

LN903912180

LN903912240

LN903912300

LN903912360

LN903913120

LN903913180

LN903913240

LN903914140

LN903914210

LN903914280

LN903914350

LN903914420

LN903915140

LN903915210

LN903915280

LN903916160

LN903916240

LN903916320

LN903916400

## **LN9039 series (cont'd)**

### **HELICOIL® Wire Thread Insert**

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AS7245, 1.4301**

Finish: **Self Finish (unplated)**

Type: **Free running**

Thread form: **Metric Coarse and Fine**

#### **Part Number**

**LN903916480**

**LN903917160**

**LN903917240**

**LN903917320**

**LN903918180**

**LN903918270**

**LN903918360**

**LN903918450**

**LN903918540**

**LN903919180**

**LN903919270**

**LN903919360**

**LN903920180**

**LN903920270**

**LN903920360**

**LN903920450**

**LN903920540**

**LN903921200**

**LN903921300**

**LN903921400**

**LN903922200**

**LN903922300**

**LN903922400**

**LN903923200**

**LN903923300**

**LN903923400**

## LN9039A series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in the 5 nominal lengths. The cadmium plated finish provides lubrication and minimises galling.

#### Part Number

LN9039A00025  
LN9039A00037  
LN9039A00050  
LN9039A01030  
LN9039A01045  
LN9039A01060  
LN9039A02040  
LN9039A02060  
LN9039A02080  
LN9039A03050  
LN9039A03075  
LN9039A03100  
LN9039A03125  
LN9039A03150  
LN9039A04060  
LN9039A04090  
LN9039A04120  
LN9039A04150  
LN9039A04180  
LN9039A05070  
LN9039A05105  
LN9039A05140  
LN9039A06080

LN9039A06120  
LN9039A06160  
LN9039A07080  
LN9039A07120  
LN9039A07160  
LN9039A07200  
LN9039A07240  
LN9039A08100  
LN9039A08150  
LN9039A08200  
LN9039A09100  
LN9039A09150  
LN9039A09200  
LN9039A10100  
LN9039A10150  
LN9039A10200  
LN9039A10250  
LN9039A10300  
LN9039A11120  
LN9039A11180  
LN9039A11240  
LN9039A12120  
LN9039A12180

LN9039A12240  
LN9039A12300  
LN9039A12360  
LN9039A13120  
LN9039A13180  
LN9039A13240  
LN9039A14140  
LN9039A14210  
LN9039A14280  
LN9039A14350  
LN9039A14420  
LN9039A15140  
LN9039A15210  
LN9039A15280  
LN9039A16160  
LN9039A16240  
LN9039A16320  
LN9039A16400  
LN9039A16480  
LN9039A17160  
LN9039A17240  
LN9039A17320  
LN9039A18180

LN9039A18270  
LN9039A18360  
LN9039A18450  
LN9039A18540  
LN9039A19180  
LN9039A19270  
LN9039A19360  
LN9039A20180  
LN9039A20270  
LN9039A20360  
LN9039A20450  
LN9039A20540  
LN9039A21200  
LN9039A21300  
LN9039A21400  
LN9039A22200  
LN9039A22300  
LN9039A22400  
LN9039A23200  
LN9039A23300  
LN9039A23400



## LN9499 series

### HELICOIL® Wire Thread Insert

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AS7245, 1.4301**

Finish: **Self Finish (unplated)**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in the 5 nominal lengths. The screw locking coil acts as a locking mechanism for the male fastener.

**Part Number**

LN949900025	LN949904180	LN949910100	
LN949900037	LN949905070	LN949910150	
LN949900050	LN949905105	LN949910200	
LN949901030	LN949905140	LN949910250	
LN949901045	LN949906080	LN949910300	
LN949901060	LN949906120	LN949911120	
LN949902040	LN949906160	LN949911180	
LN949902060	LN949907080	LN949911240	
LN949902080	LN949907120	LN949912120	
LN949903050	LN949907160	LN949912180	
LN949903075	LN949907200	LN949912240	
LN949903100	LN949907240	LN949912300	
LN949903125	LN949908100		
LN949903150	LN949908150		
LN949904060	LN949908200		
LN949904090	LN949909100		
LN949904120	LN949909150		
LN949904150	LN949909200		

## LN9499 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material: **Corrosion Resistant Steel**  
(Stainless Steel 304), AS7245, 1.4301

Finish: **Self Finish (unplated)**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

#### Part Number

LN949912360

LN949913120

LN949913180

LN949913240

LN949914140

LN949914210

LN949914280

LN949914350

LN949914420

LN949915140

LN949915210

LN949915280

LN949916160

LN949916240

LN949916320

LN949916400

LN949916480

LN949917160

LN949917240

LN949917320

LN949918180

LN949918270

LN949918360

LN949918450

LN949918540

LN949919180

LN949919270

LN949919360

LN949920180

LN949920270

LN949920360

LN949920450

LN949920540

LN949921200

LN949921300

LN949921400

LN949922200

LN949922300

LN949922400

LN949923200

LN949923300

LN949923400

## LN9499A series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

Produced to European standards, this series of inserts is specified in aerospace applications with metric thread format and is available in the 5 nominal lengths. The screw locking coil acts as a locking mechanism for the male fastener. The cadmium plated finish provides lubrication and minimises galling.

**Part Number**

LN9499A00025	LN9499A04180	LN9499A10100	
LN9499A00037	LN9499A05070	LN9499A10150	
LN9499A00050	LN9499A05105	LN9499A10200	
LN9499A01030	LN9499A05140	LN9499A10250	
LN9499A01045	LN9499A06080	LN9499A10300	
LN9499A01060	LN9499A06120	LN9499A11120	
LN9499A02040	LN9499A06160	LN9499A11180	
LN9499A02060	LN9499A07080	LN9499A11240	
LN9499A02080	LN9499A07120	LN9499A12120	
LN9499A03050	LN9499A07160	LN9499A12180	
LN9499A03075	LN9499A07200	LN9499A12240	
LN9499A03100	LN9499A07240	LN9499A12300	
LN9499A03125	LN9499A08100		
LN9499A03150	LN9499A08150		
LN9499A04060	LN9499A08200		
LN9499A04090	LN9499A09100		
LN9499A04120	LN9499A09150		
LN9499A04150	LN9499A09200		

## LN9499A series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301
Finish:	Cadmium Plating
Type:	Screwlock
Thread form:	Metric Coarse and Fine

#### Part Number

LN9499A12360  
LN9499A13120  
LN9499A13180  
LN9499A13240  
LN9499A14140  
LN9499A14210  
LN9499A14280  
LN9499A14350  
LN9499A14420  
LN9499A15140  
LN9499A15210  
LN9499A15280  
LN9499A16160  
LN9499A16240  
LN9499A16320  
LN9499A16400  
LN9499A16480  
LN9499A17160

LN9499A17240  
LN9499A17320  
LN9499A18180  
LN9499A18270  
LN9499A18360  
LN9499A18450  
LN9499A18540  
LN9499A19180  
LN9499A19270  
LN9499A19360  
LN9499A20180  
LN9499A20270  
LN9499A20360  
LN9499A20450  
LN9499A20540  
LN9499A21200  
LN9499A21300  
LN9499A21400

LN9499A22200  
LN9499A22300  
LN9499A22400  
LN9499A23200  
LN9499A23300  
LN9499A23400

## MA3279 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® free running inserts is specified in aerospace applications with Metric thread format and are available in the 5 nominal lengths.

**Part Number**

MA3279-100	MA3279-118	MA3279-136	MA3279-162
MA3279-101	MA3279-119	MA3279-137	MA3279-163
MA3279-102	MA3279-120	MA3279-138	MA3279-164
MA3279-103	MA3279-121	MA3279-139	MA3279-165
MA3279-104	MA3279-122	MA3279-140	MA3279-166
MA3279-105	MA3279-123	MA3279-141	MA3279-167
MA3279-106	MA3279-124	MA3279-150	MA3279-168
MA3279-107	MA3279-125	MA3279-151	MA3279-169
MA3279-108	MA3279-126	MA3279-152	MA3279-170
MA3279-109	MA3279-127	MA3279-153	MA3279-171
MA3279-110	MA3279-128	MA3279-154	MA3279-172
MA3279-111	MA3279-129	MA3279-155	MA3279-173
MA3279-112	MA3279-130	MA3279-156	MA3279-174
MA3279-113	MA3279-131	MA3279-157	MA3279-175
MA3279-114	MA3279-132	MA3279-158	MA3279-176
MA3279-115	MA3279-133	MA3279-159	MA3279-177
MA3279-116	MA3279-134	MA3279-160	MA3279-178
MA3279-117	MA3279-135	MA3279-161	MA3279-179

## MA3279 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Self Finish (unplated)
Type:	Free running
Thread form:	Metric Coarse and Fine

#### Part Number

MA3279-180

MA3279-181

MA3279-182

MA3279-183

MA3279-184

MA3279-185

MA3279-186

MA3279-187

MA3279-188

MA3279-189

MA3279-190

MA3279-191

MA3279-200

MA3279-201

MA3279-202

MA3279-203

MA3279-204

MA3279-205

MA3279-206

MA3279-207

MA3279-208

MA3279-209

MA3279-210

MA3279-211

MA3279-212

MA3279-213

MA3279-214

MA3279-215

MA3279-216

MA3279-217

MA3279-218

MA3279-219

MA3279-220

MA3279-221

MA3279-222

MA3279-223

MA3279-224

MA3279-225

MA3279-226

MA3279-227

MA3279-228

MA3279-229

MA3279-230

MA3279-231

MA3279-232

MA3279-233

MA3279-234

MA3279-235

MA3279-236

MA3279-237

MA3279-238

MA3279-239

MA3279-240

MA3279-241

MA3279-250

MA3279-251

MA3279-252

MA3279-253

MA3279-254

MA3279-255

MA3279-256

MA3279-257

MA3279-258

MA3279-259

MA3279-260

MA3279-261

MA3279-262

MA3279-263

MA3279-264

MA3279-265

MA3279-266

MA3279-267

**MA3279 series (cont'd)**

**HELICOIL® Wire Thread Insert**

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AS7245, DTD734**  
 Finish: **Self Finish (unplated)**  
 Type: **Free running**  
 Thread form: **Metric Coarse and Fine**

**Part Number**

<b>MA3279-268</b>	<b>MA3279-286</b>	<b>MA3279-312</b>	<b>MA3279-330</b>
<b>MA3279-269</b>	<b>MA3279-287</b>	<b>MA3279-313</b>	<b>MA3279-331</b>
<b>MA3279-270</b>	<b>MA3279-288</b>	<b>MA3279-314</b>	<b>MA3279-332</b>
<b>MA3279-271</b>	<b>MA3279-289</b>	<b>MA3279-315</b>	<b>MA3279-333</b>
<b>MA3279-272</b>	<b>MA3279-290</b>	<b>MA3279-316</b>	<b>MA3279-334</b>
<b>MA3279-273</b>	<b>MA3279-291</b>	<b>MA3279-317</b>	<b>MA3279-335</b>
<b>MA3279-274</b>	<b>MA3279-300</b>	<b>MA3279-318</b>	<b>MA3279-336</b>
<b>MA3279-275</b>	<b>MA3279-301</b>	<b>MA3279-319</b>	<b>MA3279-337</b>
<b>MA3279-276</b>	<b>MA3279-302</b>	<b>MA3279-320</b>	<b>MA3279-338</b>
<b>MA3279-277</b>	<b>MA3279-303</b>	<b>MA3279-321</b>	<b>MA3279-339</b>
<b>MA3279-278</b>	<b>MA3279-304</b>	<b>MA3279-322</b>	<b>MA3279-340</b>
<b>MA3279-279</b>	<b>MA3279-305</b>	<b>MA3279-323</b>	<b>MA3279-341</b>
<b>MA3279-280</b>	<b>MA3279-306</b>	<b>MA3279-324</b>	
<b>MA3279-281</b>	<b>MA3279-307</b>	<b>MA3279-325</b>	
<b>MA3279-282</b>	<b>MA3279-308</b>	<b>MA3279-326</b>	
<b>MA3279-283</b>	<b>MA3279-309</b>	<b>MA3279-327</b>	
<b>MA3279-284</b>	<b>MA3279-310</b>	<b>MA3279-328</b>	
<b>MA3279-285</b>	<b>MA3279-311</b>	<b>MA3279-329</b>	

## MA3280 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Dry Film Lubricant</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® free running inserts is specified in aerospace applications with Metric thread format and are available in the 5 nominal lengths. Supplied with Dry Film Lubricant finish to provide additional lubrication in high friction applications.

#### Part Number

MA3280-100

MA3280-101

MA3280-102

MA3280-103

MA3280-104

MA3280-105

MA3280-106

MA3280-107

MA3280-108

MA3280-109

MA3280-110

MA3280-111

MA3280-112

MA3280-113

MA3280-114

MA3280-115

MA3280-116

MA3280-117

MA3280-118

MA3280-119

MA3280-120

MA3280-121

MA3280-122

MA3280-123

MA3280-124

MA3280-125

MA3280-126

MA3280-127

MA3280-128

MA3280-129

MA3280-130

MA3280-131

MA3280-132

MA3280-133

MA3280-134

MA3280-135

MA3280-136

MA3280-137

MA3280-138

MA3280-139

MA3280-140

MA3280-141

MA3280-150

MA3280-151

MA3280-152

MA3280-153

MA3280-154

MA3280-155

MA3280-156

MA3280-157

MA3280-158

MA3280-159

MA3280-160

MA3280-161

MA3280-162

MA3280-163

MA3280-164

MA3280-165

MA3280-166

MA3280-167

MA3280-168

MA3280-169

MA3280-170

MA3280-171

MA3280-172

MA3280-173

MA3280-174

MA3280-175

MA3280-176

MA3280-177

MA3280-178

MA3280-179



**MA3280 series (cont'd)**

**HELICOIL® Wire Thread Insert**

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Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Dry Film Lubricant</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

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**Part Number**

MA3280-180  
MA3280-181  
MA3280-182  
MA3280-183  
MA3280-184  
MA3280-185  
MA3280-186  
MA3280-187  
MA3280-188  
MA3280-189  
MA3280-190  
MA3280-191  
MA3280-200  
MA3280-201  
MA3280-202  
MA3280-203  
MA3280-204  
MA3280-205

MA3280-206  
MA3280-207  
MA3280-208  
MA3280-209  
MA3280-210  
MA3280-211  
MA3280-212  
MA3280-213  
MA3280-214  
MA3280-215  
MA3280-216  
MA3280-217  
MA3280-218  
MA3280-219  
MA3280-220  
MA3280-221  
MA3280-222  
MA3280-223

MA3280-224  
MA3280-225  
MA3280-226  
MA3280-227  
MA3280-228  
MA3280-229  
MA3280-230  
MA3280-231  
MA3280-232  
MA3280-233  
MA3280-234  
MA3280-235  
MA3280-236  
MA3280-237  
MA3280-238  
MA3280-239  
MA3280-240  
MA3280-241

MA3280-250  
MA3280-251  
MA3280-252  
MA3280-253  
MA3280-254  
MA3280-255  
MA3280-256  
MA3280-257  
MA3280-258  
MA3280-259  
MA3280-260  
MA3280-261  
MA3280-262  
MA3280-263  
MA3280-264  
MA3280-265  
MA3280-266  
MA3280-267

## MA3280 series (cont'd)

### HELICOIL® Wire Thread Insert

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Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Dry Film Lubricant
Type:	Free running
Thread form:	Metric Coarse and Fine

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#### Part Number

MA3280-268  
MA3280-269  
MA3280-270  
MA3280-271  
MA3280-272  
MA3280-273  
MA3280-274  
MA3280-275  
MA3280-276  
MA3280-277  
MA3280-278  
MA3280-279  
MA3280-280  
MA3280-281  
MA3280-282  
MA3280-283  
MA3280-284  
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MA3280-286  
MA3280-287  
MA3280-288  
MA3280-289  
MA3280-290  
MA3280-291  
MA3280-300  
MA3280-301  
MA3280-302  
MA3280-303  
MA3280-304  
MA3280-305  
MA3280-306  
MA3280-307  
MA3280-308  
MA3280-309  
MA3280-310  
MA3280-311

MA3280-312  
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MA3280-315  
MA3280-316  
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MA3280-318  
MA3280-319  
MA3280-320  
MA3280-321  
MA3280-322  
MA3280-323  
MA3280-324  
MA3280-325  
MA3280-326  
MA3280-327  
MA3280-328  
MA3280-329

MA3280-330  
MA3280-331  
MA3280-332  
MA3280-333  
MA3280-334  
MA3280-335  
MA3280-336  
MA3280-337  
MA3280-338  
MA3280-339  
MA3280-340  
MA3280-341

## MA3281 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® free running inserts is specified in aerospace applications with Metric thread format and are available in the 5 nominal lengths. The Cadmium Plated finish provides lubrication and minimises galling.

**Part Number**

MA3281-100	MA3281-118	MA3281-136	MA3281-162
MA3281-101	MA3281-119	MA3281-137	MA3281-163
MA3281-102	MA3281-120	MA3281-138	MA3281-164
MA3281-103	MA3281-121	MA3281-139	MA3281-165
MA3281-104	MA3281-122	MA3281-140	MA3281-166
MA3281-105	MA3281-123	MA3281-141	MA3281-167
MA3281-106	MA3281-124	MA3281-150	MA3281-168
MA3281-107	MA3281-125	MA3281-151	MA3281-169
MA3281-108	MA3281-126	MA3281-152	MA3281-170
MA3281-109	MA3281-127	MA3281-153	MA3281-171
MA3281-110	MA3281-128	MA3281-154	MA3281-172
MA3281-111	MA3281-129	MA3281-155	MA3281-173
MA3281-112	MA3281-130	MA3281-156	MA3281-174
MA3281-113	MA3281-131	MA3281-157	MA3281-175
MA3281-114	MA3281-132	MA3281-158	MA3281-176
MA3281-115	MA3281-133	MA3281-159	MA3281-177
MA3281-116	MA3281-134	MA3281-160	MA3281-178
MA3281-117	MA3281-135	MA3281-161	MA3281-179

## MA3281 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Cadmium Plating
Type:	Free running
Thread form:	Metric Coarse and Fine

#### Part Number

MA3281-180

MA3281-181

MA3281-182

MA3281-183

MA3281-184

MA3281-185

MA3281-186

MA3281-187

MA3281-188

MA3281-189

MA3281-190

MA3281-191

MA3281-200

MA3281-201

MA3281-202

MA3281-203

MA3281-204

MA3281-205

MA3281-206

MA3281-207

MA3281-208

MA3281-209

MA3281-210

MA3281-211

MA3281-212

MA3281-213

MA3281-214

MA3281-215

MA3281-216

MA3281-217

MA3281-218

MA3281-219

MA3281-220

MA3281-221

MA3281-222

MA3281-223

MA3281-224

MA3281-225

MA3281-226

MA3281-227

MA3281-228

MA3281-229

MA3281-230

MA3281-231

MA3281-232

MA3281-233

MA3281-234

MA3281-235

MA3281-236

MA3281-237

MA3281-238

MA3281-239

MA3281-240

MA3281-241

MA3281-250

MA3281-251

MA3281-252

MA3281-253

MA3281-254

MA3281-255

MA3281-256

MA3281-257

MA3281-258

MA3281-259

MA3281-260

MA3281-261

MA3281-262

MA3281-263

MA3281-264

MA3281-265

MA3281-266

MA3281-267

## **MA3281 series (cont'd)**

### **HELICOIL® Wire Thread Insert**

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Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Free running</b>
Thread form:	<b>Metric Coarse and Fine</b>

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#### **Part Number**

MA3281-268  
MA3281-269  
MA3281-270  
MA3281-271  
MA3281-272  
MA3281-273  
MA3281-274  
MA3281-275  
MA3281-276  
MA3281-277  
MA3281-278  
MA3281-279  
MA3281-280  
MA3281-281  
MA3281-282  
MA3281-283  
MA3281-284  
MA3281-285

MA3281-286  
MA3281-287  
MA3281-288  
MA3281-289  
MA3281-290  
MA3281-291  
MA3281-300  
MA3281-301  
MA3281-302  
MA3281-303  
MA3281-304  
MA3281-305  
MA3281-306  
MA3281-307  
MA3281-308  
MA3281-309  
MA3281-310  
MA3281-311

MA3281-312  
MA3281-313  
MA3281-314  
MA3281-315  
MA3281-316  
MA3281-317  
MA3281-318  
MA3281-319  
MA3281-320  
MA3281-321  
MA3281-322  
MA3281-323  
MA3281-324  
MA3281-325  
MA3281-326  
MA3281-327  
MA3281-328  
MA3281-329

MA3281-330  
MA3281-331  
MA3281-332  
MA3281-333  
MA3281-334  
MA3281-335  
MA3281-336  
MA3281-337  
MA3281-338  
MA3281-339  
MA3281-340  
MA3281-341

## MA3329 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® screwlock inserts is specified in aerospace applications with Metric thread format and is available in the 5 nominal lengths. The screwlocking coil acts as a locking mechanism for the male fastener.

#### Part Number

MA3329-100

MA3329-101

MA3329-102

MA3329-103

MA3329-104

MA3329-105

MA3329-106

MA3329-107

MA3329-108

MA3329-109

MA3329-110

MA3329-111

MA3329-112

MA3329-113

MA3329-114

MA3329-115

MA3329-116

MA3329-117

MA3329-118

MA3329-119

MA3329-120

MA3329-121

MA3329-122

MA3329-123

MA3329-124

MA3329-125

MA3329-126

MA3329-127

MA3329-128

MA3329-129

MA3329-130

MA3329-131

MA3329-132

MA3329-133

MA3329-134

MA3329-135

MA3329-136

MA3329-137

MA3329-138

MA3329-139

MA3329-141

MA3329-150

MA3329-151

MA3329-152

MA3329-153

MA3329-154

MA3329-155

MA3329-156

MA3329-157

MA3329-158

MA3329-159

MA3329-160

MA3329-161

MA3329-162

MA3329-163

MA3329-164

MA3329-165

MA3329-166

MA3329-167

MA3329-168

MA3329-169

MA3329-170

MA3329-171

MA3329-172

MA3329-173

MA3329-174

MA3329-175

MA3329-176

MA3329-177

MA3329-178

MA3329-179

MA3329-180

## **MA3329 series (cont'd)**

### **HELICOIL® Wire Thread Insert**

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Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

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#### **Part Number**

MA3329-181  
MA3329-182  
MA3329-183  
MA3329-184  
MA3329-185  
MA3329-186  
MA3329-187  
MA3329-188  
MA3329-189  
MA3329-190  
MA3329-191  
MA3329-200  
MA3329-201  
MA3329-202  
MA3329-203  
MA3329-204  
MA3329-205  
MA3329-206

MA3329-207  
MA3329-208  
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MA3329-212  
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MA3329-214  
MA3329-215  
MA3329-216  
MA3329-217  
MA3329-218  
MA3329-219  
MA3329-220  
MA3329-221  
MA3329-222  
MA3329-223  
MA3329-224

MA3329-225  
MA3329-226  
MA3329-227  
MA3329-228  
MA3329-229  
MA3329-230  
MA3329-231  
MA3329-232  
MA3329-233  
MA3329-234  
MA3329-235  
MA3329-236  
MA3329-237  
MA3329-238  
MA3329-239  
MA3329-240  
MA3329-241  
MA3329-250

MA3329-251  
MA3329-252  
MA3329-253  
MA3329-254  
MA3329-255  
MA3329-256  
MA3329-257  
MA3329-258  
MA3329-259  
MA3329-260  
MA3329-261  
MA3329-262  
MA3329-263  
MA3329-264  
MA3329-265  
MA3329-266  
MA3329-267  
MA3329-268

## MA3329 series (cont'd)

### HELICOIL® Wire Thread Insert

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Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Self Finish (unplated)
Type:	Screwlock
Thread form:	Metric Coarse and Fine

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#### Part Number

MA3329-269

MA3329-270

MA3329-271

MA3329-272

MA3329-273

MA3329-274

MA3329-275

MA3329-276

MA3329-277

MA3329-278

MA3329-279

MA3329-280

MA3329-281

MA3329-282

MA3329-283

MA3329-284

MA3329-285

MA3329-286

MA3329-287

MA3329-288

MA3329-289

MA3329-290

MA3329-291

MA3329-300

MA3329-301

MA3329-302

MA3329-303

MA3329-304

MA3329-305

MA3329-306

MA3329-307

MA3329-308

MA3329-309

MA3329-310

MA3329-311

MA3329-312

MA3329-313

MA3329-314

MA3329-315

MA3329-316

MA3329-317

MA3329-318

MA3329-319

MA3329-320

MA3329-321

MA3329-322

MA3329-323

MA3329-324

MA3329-325

MA3329-326

MA3329-327

MA3329-328

MA3329-329

MA3329-330

MA3329-331

MA3329-332

MA3329-333

MA3329-334

MA3329-335

MA3329-336

MA3329-337

MA3329-338

MA3329-339

MA3329-340

MA3329-341



## MA3330 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Dry Film Lubricant</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® screwlock inserts is specified in aerospace applications with Metric thread format and is available in the 5 nominal lengths. The screwlocking coil acts as a locking mechanism for the male fastener. Supplied with Dry Film Lubricant finish to provide additional lubrication in high friction applications.

#### Part Number

MA3330-100	MA3330-118	MA3330-136	MA3330-163
MA3330-101	MA3330-119	MA3330-137	MA3330-164
MA3330-102	MA3330-120	MA3330-138	MA3330-165
MA3330-103	MA3330-121	MA3330-139	MA3330-166
MA3330-104	MA3330-122	MA3330-141	MA3330-167
MA3330-105	MA3330-123	MA3330-150	MA3330-168
MA3330-106	MA3330-124	MA3330-151	MA3330-169
MA3330-107	MA3330-125	MA3330-152	MA3330-170
MA3330-108	MA3330-126	MA3330-153	MA3330-171
MA3330-109	MA3330-127	MA3330-154	MA3330-172
MA3330-110	MA3330-128	MA3330-155	MA3330-173
MA3330-111	MA3330-129	MA3330-156	MA3330-174
MA3330-112	MA3330-130	MA3330-157	MA3330-175
MA3330-113	MA3330-131	MA3330-158	MA3330-176
MA3330-114	MA3330-132	MA3330-159	MA3330-177
MA3330-115	MA3330-133	MA3330-160	MA3330-178
MA3330-116	MA3330-134	MA3330-161	MA3330-179
MA3330-117	MA3330-135	MA3330-162	MA3330-180

## MA3330 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AS7245, DTD734**

Finish: **Dry Film Lubricant**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

#### Part Number

MA3330-181

MA3330-182

MA3330-183

MA3330-184

MA3330-185

MA3330-186

MA3330-187

MA3330-188

MA3330-189

MA3330-190

MA3330-191

MA3330-200

MA3330-201

MA3330-202

MA3330-203

MA3330-204

MA3330-205

MA3330-206

MA3330-207

MA3330-208

MA3330-209

MA3330-210

MA3330-211

MA3330-212

MA3330-213

MA3330-214

MA3330-215

MA3330-216

MA3330-217

MA3330-218

MA3330-219

MA3330-220

MA3330-221

MA3330-222

MA3330-223

MA3330-224

MA3330-225

MA3330-226

MA3330-227

MA3330-228

MA3330-229

MA3330-230

MA3330-231

MA3330-232

MA3330-233

MA3330-234

MA3330-235

MA3330-236

MA3330-237

MA3330-238

MA3330-239

MA3330-240

MA3330-241

MA3330-250

MA3330-251

MA3330-252

MA3330-253

MA3330-254

MA3330-255

MA3330-256

MA3330-257

MA3330-258

MA3330-259

MA3330-260

MA3330-261

MA3330-262

MA3330-263

MA3330-264

MA3330-265

MA3330-266

MA3330-267

MA3330-268

**MA3330 series (cont'd)**

**HELICOIL® Wire Thread Insert**

Insert Material: **Corrosion Resistant Steel  
(Stainless Steel 304), AS7245, DTD734**  
 Finish: **Dry Film Lubricant**  
 Type: **Screwlock**  
 Thread form: **Metric Coarse and Fine**

**Part Number**

MA3330-269  
 MA3330-270  
 MA3330-271  
 MA3330-272  
 MA3330-273  
 MA3330-274  
 MA3330-275  
 MA3330-276  
 MA3330-277  
 MA3330-278  
 MA3330-279  
 MA3330-280  
 MA3330-281  
 MA3330-282  
 MA3330-283  
 MA3330-284  
 MA3330-285  
 MA3330-286

MA3330-287  
 MA3330-288  
 MA3330-289  
 MA3330-290  
 MA3330-291  
 MA3330-300  
 MA3330-301  
 MA3330-302  
 MA3330-303  
 MA3330-304  
 MA3330-305  
 MA3330-306  
 MA3330-307  
 MA3330-308  
 MA3330-309  
 MA3330-310  
 MA3330-311  
 MA3330-312

MA3330-313  
 MA3330-314  
 MA3330-315  
 MA3330-316  
 MA3330-317  
 MA3330-318  
 MA3330-319  
 MA3330-320  
 MA3330-321  
 MA3330-322  
 MA3330-323  
 MA3330-324  
 MA3330-325  
 MA3330-326  
 MA3330-327  
 MA3330-328  
 MA3330-329  
 MA3330-330

MA3330-331  
 MA3330-332  
 MA3330-333  
 MA3330-334  
 MA3330-335  
 MA3330-336  
 MA3330-337  
 MA3330-338  
 MA3330-339  
 MA3330-340  
 MA3330-341

## MA3331 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

Approved by Military Services, this series of HELICOIL® screwlock inserts is specified in aerospace applications with Metric thread format and is available in the 5 nominal lengths. The screwlocking coil acts as a locking mechanism for the male fastener. The Cadmium Plated finish provides lubrication and minimises galling.

#### Part Number

MA3331-100  
MA3331-101  
MA3331-102  
MA3331-103  
MA3331-104  
MA3331-105  
MA3331-106  
MA3331-107  
MA3331-108  
MA3331-109  
MA3331-110  
MA3331-111  
MA3331-112  
MA3331-113  
MA3331-114  
MA3331-115  
MA3331-116  
MA3331-117

MA3331-118  
MA3331-119  
MA3331-120  
MA3331-121  
MA3331-122  
MA3331-123  
MA3331-124  
MA3331-125  
MA3331-126  
MA3331-127  
MA3331-128  
MA3331-129  
MA3331-130  
MA3331-131  
MA3331-132  
MA3331-133  
MA3331-134  
MA3331-135

MA3331-136  
MA3331-137  
MA3331-138  
MA3331-139  
MA3331-141  
MA3331-150  
MA3331-151  
MA3331-152  
MA3331-153  
MA3331-154  
MA3331-155  
MA3331-156  
MA3331-157  
MA3331-158  
MA3331-159  
MA3331-160  
MA3331-161  
MA3331-162

MA3331-163  
MA3331-164  
MA3331-165  
MA3331-166  
MA3331-167  
MA3331-168  
MA3331-169  
MA3331-170  
MA3331-171  
MA3331-172  
MA3331-173  
MA3331-174  
MA3331-175  
MA3331-176  
MA3331-177  
MA3331-178  
MA3331-179  
MA3331-180

## **MA3331 series (cont'd)**

### **HELICOIL® Wire Thread Insert**

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Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734</b>
Finish:	<b>Cadmium Plating</b>
Type:	<b>Screwlock</b>
Thread form:	<b>Metric Coarse and Fine</b>

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#### **Part Number**

MA3331-181  
MA3331-182  
MA3331-183  
MA3331-184  
MA3331-185  
MA3331-186  
MA3331-187  
MA3331-188  
MA3331-189  
MA3331-190  
MA3331-191  
MA3331-200  
MA3331-201  
MA3331-202  
MA3331-203  
MA3331-204  
MA3331-205  
MA3331-206

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MA3331-220  
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MA3331-222  
MA3331-223  
MA3331-224

MA3331-225  
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MA3331-227  
MA3331-228  
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MA3331-230  
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MA3331-235  
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MA3331-237  
MA3331-238  
MA3331-239  
MA3331-240  
MA3331-241  
MA3331-250

MA3331-251  
MA3331-252  
MA3331-253  
MA3331-254  
MA3331-255  
MA3331-256  
MA3331-257  
MA3331-258  
MA3331-259  
MA3331-260  
MA3331-261  
MA3331-262  
MA3331-263  
MA3331-264  
MA3331-265  
MA3331-266  
MA3331-267  
MA3331-268

## MA3331 series (cont'd)

### HELICOIL® Wire Thread Insert

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Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Cadmium Plating
Type:	Screwlock
Thread form:	Metric Coarse and Fine

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#### Part Number

MA3331-269  
MA3331-270  
MA3331-271  
MA3331-272  
MA3331-273  
MA3331-274  
MA3331-275  
MA3331-276  
MA3331-277  
MA3331-278  
MA3331-279  
MA3331-280  
MA3331-281  
MA3331-282  
MA3331-283  
MA3331-284  
MA3331-285  
MA3331-286

MA3331-287  
MA3331-288  
MA3331-289  
MA3331-290  
MA3331-291  
MA3331-300  
MA3331-301  
MA3331-302  
MA3331-303  
MA3331-304  
MA3331-305  
MA3331-306  
MA3331-307  
MA3331-308  
MA3331-309  
MA3331-310  
MA3331-311  
MA3331-312

MA3331-313  
MA3331-314  
MA3331-315  
MA3331-316  
MA3331-317  
MA3331-318  
MA3331-319  
MA3331-320  
MA3331-321  
MA3331-322  
MA3331-323  
MA3331-324  
MA3331-325  
MA3331-326  
MA3331-327  
MA3331-328  
MA3331-329  
MA3331-330

MA3331-331  
MA3331-332  
MA3331-333  
MA3331-334  
MA3331-335  
MA3331-336  
MA3331-337  
MA3331-338  
MA3331-339  
MA3331-340  
MA3331-341

## NASM122076 to NASM124831 series

REPLACING MS21208

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245</b>
Finish:	<b>Self Finish (unplated)</b>
Type:	<b>Free running</b>
Thread form:	<b>UNC and UNF</b>

Produced to USA standards this series of HELICOIL® free running inserts in UNC and UNF thread format is available in 5 nominal lengths. Disposable as self finish or with a cadmium plated finish which provides lubrication and minimises galling. A dry film lubricant finish is also available which provides additional lubrication in high friction applications.

**Part Number**

NASM122076	NASM122094	NASM122131	NASM122168
NASM122077	NASM122095	NASM122132	NASM122169
NASM122078	NASM122115	NASM122133	NASM122170
NASM122079	NASM122116	NASM122134	NASM122171
NASM122080	NASM122117	NASM122135	NASM122172
NASM122081	NASM122118	NASM122155	NASM122173
NASM122082	NASM122119	NASM122156	NASM122174
NASM122083	NASM122120	NASM122157	NASM122175
NASM122084	NASM122121	NASM122158	NASM122195
NASM122085	NASM122122	NASM122159	NASM122196
NASM122086	NASM122123	NASM122160	NASM122197
NASM122087	NASM122124	NASM122161	NASM122198
NASM122088	NASM122125	NASM122162	NASM122199
NASM122089	NASM122126	NASM122163	NASM122200
NASM122090	NASM122127	NASM122164	NASM122201
NASM122091	NASM122128	NASM122165	NASM122202
NASM122092	NASM122129	NASM122166	NASM122203
NASM122093	NASM122130	NASM122167	NASM122204

## NASM122076 to NASM124831 series (cont'd)

REPLACING MS21208

### HELICOIL® Wire Thread Insert

Insert Material: Corrosion Resistant Steel  
(Stainless Steel 304), A57245  
Finish: Self Finish (unplated)  
Type: Free running  
Thread form: UNC and UNF

#### Part Number

NASM122205

NASM122206

NASM122207

NASM122208

NASM122209

NASM122210

NASM122211

NASM122212

NASM122213

NASM122214

NASM122215

NASM122235

NASM122236

NASM122237

NASM122238

NASM122239

NASM122240

NASM122241

NASM122242

NASM122243

NASM122244

NASM122245

NASM122246

NASM122247

NASM122248

NASM122249

NASM122250

NASM122251

NASM122252

NASM122253

NASM122254

NASM122255

NASM122275

NASM124651

NASM124653

NASM124654

NASM124655

NASM124656

NASM124657

NASM124658

NASM124659

NASM124660

NASM124661

NASM124662

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NASM124666

NASM124667

NASM124668

NASM124669

NASM124670

NASM124671

NASM124691

NASM124693

NASM124694

NASM124695

NASM124696

NASM124697

NASM124698

NASM124699

NASM124700

NASM124701

NASM124702

NASM124703

NASM124704

NASM124706

NASM124707

NASM124708

NASM124709

NASM124710

NASM124711

NASM124731



**NASM122076 to NASM124831 series (cont'd)**

REPLACING MS21208

**HELICOIL® Wire Thread Insert**

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Insert Material: **Corrosion Resistant Steel**  
(Stainless Steel 304), AS7245

Finish: **Self Finish (unplated)**

Type: **Free running**

Thread form: **UNC and UNF**

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**Part Number**

NASM124733

NASM124734

NASM124735

NASM124736

NASM124737

NASM124738

NASM124739

NASM124740

NASM124741

NASM124742

NASM124743

NASM124744

NASM124746

NASM124747

NASM124748

NASM124749

NASM124750

NASM124751

NASM124771

NASM124773

NASM124774

NASM124775

NASM124776

NASM124777

NASM124778

NASM124779

NASM124780

NASM124781

NASM124782

NASM124783

NASM124784

NASM124786

NASM124787

NASM124788

NASM124789

NASM124790

NASM124791

NASM124811

NASM124813

NASM124814

NASM124815

NASM124816

NASM124817

NASM124818

NASM124819

NASM124820

NASM124821

NASM124822

NASM124823

NASM124824

NASM124826

NASM124827

NASM124828

NASM124829

NASM124830

NASM124831

## NASM21209 series

### HELICOIL® Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245</b>
Finish:	<b>Self Finish (unplated). Dyed Red, Cadmium Plating and Dry Film Lubricant</b>
Type:	<b>Screwlock</b>
Thread form:	<b>UNC and UNF</b>

#### Add following for Plating or Coating

"P" for Cadmium Plating Insert  
 "L" for Dry Film Lubricant  
 Left Blank for Self Finish  
 (unplated)

*Example: MS21209C0310P  
 = Cadmium Plating Insert*

Produced to USA standards, this series of HELICOIL® screwlock inserts in UNC and UNF thread format and is disposable in 5 nominal lengths. The screw locking coil acts as a locking mechanism for the male fastener. Available as self finish or with a cadmium plated finish which provides lubrication and minimises galling. A dry film lubricant finish is also available which provides additional lubrication in high friction applications.

#### Part Number

NASM21209C0210  
 NASM21209C0215  
 NASM21209C0220  
 NASM21209C0225  
 NASM21209C0230  
 NASM21209C0310  
 NASM21209C0315  
 NASM21209C0320  
 NASM21209C0325  
 NASM21209C0330  
 NASM21209C0410  
 NASM21209C0415  
 NASM21209C0420  
 NASM21209C0425  
 NASM21209C0430  
 NASM21209C0510  
 NASM21209C0515  
 NASM21209C0520

NASM21209C0525  
 NASM21209C0530  
 NASM21209C0610  
 NASM21209C0615  
 NASM21209C0620  
 NASM21209C0625  
 NASM21209C0630  
 NASM21209C0810  
 NASM21209C0815  
 NASM21209C0820  
 NASM21209C0825  
 NASM21209C0830  
 NASM21209C1010  
 NASM21209C1015  
 NASM21209C1020  
 NASM21209C1025  
 NASM21209C1030  
 NASM21209C1210

NASM21209C1215  
 NASM21209C1220  
 NASM21209C1225  
 NASM21209C1230  
 NASM21209C1410  
 NASM21209C1415  
 NASM21209C1420  
 NASM21209C1425  
 NASM21209C1430  
 NASM21209C1610  
 NASM21209C1615  
 NASM21209C1620  
 NASM21209C1625  
 NASM21209C1630  
 NASM21209C1810  
 NASM21209C1815  
 NASM21209C1820  
 NASM21209C1825

NASM21209C1830  
 NASM21209C2010  
 NASM21209C2015  
 NASM21209C2020  
 NASM21209C2025  
 NASM21209C2030  
 NASM21209C2210  
 NASM21209C2215  
 NASM21209C2220  
 NASM21209C2225  
 NASM21209C2230  
 NASM21209C2410  
 NASM21209C2415  
 NASM21209C2420  
 NASM21209C2425  
 NASM21209C2430

## NASM21209 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245
Finish:	Self Finish (unplated). Dyed Red, Cadmium Plating and Dry Film Lubricant
Type:	Screwlock
Thread form:	UNC and UNF

**Part Number**

NASM21209C1-10	NASM21209C5-25	NASM21209C9-15	NASM21209F0625
NASM21209C1-15	NASM21209C5-30	NASM21209C9-20	NASM21209F0630
NASM21209C1-20	NASM21209C6-10	NASM21209C9-25	NASM21209F0810
NASM21209C1-25	NASM21209C6-15	NASM21209C9-30	NASM21209F0815
NASM21209C1-30	NASM21209C6-20		NASM21209F0820
NASM21209C2-10	NASM21209C6-25	NASM21209F0310	NASM21209F0825
NASM21209C2-15	NASM21209C6-30	NASM21209F0315	NASM21209F0830
NASM21209C2-20	NASM21209C7-10	NASM21209F0320	NASM21209F1010
NASM21209C2-25	NASM21209C7-15	NASM21209F0325	NASM21209F1015
NASM21209C2-30	NASM21209C7-20	NASM21209F0330	NASM21209F1020
NASM21209C4-10	NASM21209C7-25	NASM21209F0410	NASM21209F1025
NASM21209C4-15	NASM21209C7-30	NASM21209F0415	NASM21209F1030
NASM21209C4-20	NASM21209C8-10	NASM21209F0420	NASM21209F1210
NASM21209C4-25	NASM21209C8-15	NASM21209F0425	NASM21209F1215
NASM21209C4-30	NASM21209C8-20	NASM21209F0430	NASM21209F1220
NASM21209C5-10	NASM21209C8-25	NASM21209F0610	NASM21209F1225
NASM21209C5-15	NASM21209C8-30	NASM21209F0615	NASM21209F1230
NASM21209C5-20	NASM21209C9-10	NASM21209F0620	NASM21209F1410

## NASM21209 series (cont'd)

### HELICOIL® Wire Thread Insert

Insert Material:	Corrosion Resistant Steel (Stainless Steel 304), AS7245
Finish:	Self Finish (unplated). Dyed Red, Cadmium Plating and Dry Film Lubricant
Type:	Screwlock
Thread form:	UNC and UNF

#### Part Number

NASM21209F1415  
NASM21209F1420  
NASM21209F1425  
NASM21209F1430  
NASM21209F1610  
NASM21209F1615  
NASM21209F1620  
NASM21209F1625  
NASM21209F1630  
NASM21209F1810  
NASM21209F1815  
NASM21209F1820  
NASM21209F1825  
NASM21209F1830  
NASM21209F2010  
NASM21209F2015  
NASM21209F2020  
NASM21209F2025

NASM21209F2030  
NASM21209F2210  
NASM21209F2215  
NASM21209F2220  
NASM21209F2225  
NASM21209F2230  
NASM21209F2410  
NASM21209F2415  
NASM21209F2420  
NASM21209F2425  
NASM21209F2430  
  
NASM21209F1-10  
NASM21209F1-15  
NASM21209F1-20  
NASM21209F1-25  
NASM21209F1-30  
NASM21209F4-10

NASM21209F4-15  
NASM21209F4-20  
NASM21209F4-25  
NASM21209F4-30  
NASM21209F5-10  
NASM21209F5-15  
NASM21209F5-20  
NASM21209F5-25  
NASM21209F5-30  
NASM21209F6-10  
NASM21209F6-15  
NASM21209F6-20  
NASM21209F6-25  
NASM21209F6-30  
NASM21209F7-10  
NASM21209F7-15  
NASM21209F7-20  
NASM21209F7-25

NASM21209F7-30  
NASM21209F8-10  
NASM21209F8-15  
NASM21209F8-20  
NASM21209F8-25  
NASM21209F8-30  
NASM21209F9-10  
NASM21209F9-15  
NASM21209F9-20  
NASM21209F9-25  
NASM21209F9-30

## NA0276 series

### HELICOIL® Tangfree

Insert Material: **Corrosion Resistant Steel (Stainless Steel 304), AS7245**  
 Finish: **Self Finish (unplated), Cadmium Plating and Dry Film Lubricant**  
 Type: **Free running and Screwlock**  
 Thread form: **Metric Coarse and Fine**

**Add following for Plating or Coating**

"P" for Cadmium Plating Insert  
 "D" for Dry Film Lubricant  
 Left Blank for Self Finish (unplated)

**Example: NA0276M4-10P = Cadmium Plating Insert**

HELICOIL® tangfree inserts are used in critical aerospace and defence applications and are available in metric coarse and fine thread format in HELICOIL® free running and HELICOIL® screwlock up to 3D long subject to thread form. The screw locking coil acts as a locking mechanism for the male fastener. Disposable as self finish or with a cadmium plated finish which provides lubrication and minimises galling. A dry film lubricant finish is also available which provides additional lubrication in high friction applications.

**Part Number**

NA0276M2A-10	NA0276M8-15	NA0276M4L20	NA0276M12L25
NA0276M3-10	NA0276M10-15	NA0276M5L20	NA0276M2A-30
NA0276M4-10	NA0276M12-15	NA0276M6L20	NA0276M3-30
NA0276M5-10	NA0276M2A-15	NA0276M8L20	NA0276M4-30
NA0276M6-10	NA0276M3L15	NA0276M10L20	NA0276M5-30
NA0276M8-10	NA0276M4L15	NA0276M12L20	NA0276M6-30
NA0276M10-10	NA0276M5L15	NA0276M2A-25	NA0276M8-30
NA0276M12-10	NA0276M6L15	NA0276M3-25	NA0276M10-30
NA0276M2A-10	NA0276M8L15	NA0276M4-25	NA0276M12-30
NA0276M3L10	NA0276M10L15	NA0276M5-25	NA0276M2A-30
NA0276M4L10	NA0276M12L15	NA0276M6-25	NA0276M3L30
NA0276M5L10	NA0276M2A-20	NA0276M8-25	NA0276M4L30
NA0276M6L10	NA0276M3-20	NA0276M10-25	NA0276M5L30
NA0276M8L10	NA0276M4-20	NA0276M12-25	NA0276M6L30
NA0276M10L10	NA0276M5-20	NA0276M2A-25	NA0276M8L30
NA0276M12L10	NA0276M6-20	NA0276M3L25	NA0276M10L30
NA0276M2A-15	NA0276M8-20	NA0276M4L25	NA0276M12L30
NA0276M3-15	NA0276M10-20	NA0276M5L25	
NA0276M4-15	NA0276M12-20	NA0276M6L25	
NA0276M5-15	NA0276M2A-20	NA0276M8L25	
NA0276M6-15	NA0276M3L20	NA0276M10L25	

## NAS1130 series

### HELICOIL® Tangfree Wire Thread Insert

Insert Material:	<b>Corrosion Resistant Steel (Stainless Steel 304), AS7245</b>
Finish:	<b>Self Finish (unplated), Cadmium Plating and Dry Film Lubricant</b>
Type:	<b>Free running and Screwlock</b>
Thread form:	<b>UNC and UNF</b>

#### Add following for Plating or Coating

"P" for Cadmium Plating Insert  
 "D" for Dry Film Lubricant  
 Left Blank for Self Finish  
 (unplated)

*Example: NAS1130-04-10P  
 = Cadmium Plating Insert*

HELICOIL® tangfree inserts are used in critical aerospace and defence applications and are available in UNC and UNF thread format in HELICOIL® free running and HELICOIL® screwlock up to 3D long subject to thread form. The screw locking coil acts as a locking mechanism for the male fastener. Disposable as self finish or with a cadmium plated finish which provides lubrication and minimises galling. A dry film lubricant finish is also available which provides additional lubrication in high friction applications.

#### Part Number

NAS1130-02-10  
 NAS1130-02-15  
 NAS1130-02-20  
 NAS1130-02-25  
 NAS1130-02-30  
 NAS1130-02L10  
 NAS1130-02L15  
 NAS1130-02L20  
 NAS1130-02L25  
 NAS1130-02L30  
 NAS1130-04-10  
 NAS1130-04-15  
 NAS1130-04-20  
 NAS1130-04-25  
 NAS1130-04-30  
 NAS1130-04L10  
 NAS1130-04L15  
 NAS1130-04L20  
 NAS1130-04L25  
 NAS1130-04L30  
 NAS1130-06-10

NAS1130-06-15  
 NAS1130-06-20  
 NAS1130-06-25  
 NAS1130-06-30  
 NAS1130-06L10  
 NAS1130-06L15  
 NAS1130-06L20  
 NAS1130-06L25  
 NAS1130-06L30  
 NAS1130-08-10  
 NAS1130-08-15  
 NAS1130-08-20  
 NAS1130-08-25  
 NAS1130-08-30  
 NAS1130-08L10  
 NAS1130-08L15  
 NAS1130-08L20  
 NAS1130-08L25  
 NAS1130-08L30  
 NAS1130-3-10  
 NAS1130-3-15

NAS1130-3-20  
 NAS1130-3-25  
 NAS1130-3-30  
 NAS1130-3C-10  
 NAS1130-3C-15  
 NAS1130-3C-20  
 NAS1130-3C-25  
 NAS1130-3C-30  
 NAS1130-3CL10  
 NAS1130-3CL15  
 NAS1130-3CL20  
 NAS1130-3CL25  
 NAS1130-3CL30  
 NAS1130-3L10  
 NAS1130-3L15  
 NAS1130-3L20  
 NAS1130-3L25  
 NAS1130-3L30  
 NAS1130-4-10  
 NAS1130-4-15  
 NAS1130-4-20

NAS1130-4-25  
 NAS1130-4-30  
 NAS1130-4F-10  
 NAS1130-4F-15  
 NAS1130-4F-20  
 NAS1130-4F-25  
 NAS1130-4F-30  
 NAS1130-4FL10  
 NAS1130-4FL15  
 NAS1130-4FL20  
 NAS1130-4FL25  
 NAS1130-4FL30  
 NAS1130-4L10  
 NAS1130-4L15  
 NAS1130-4L20  
 NAS1130-4L25  
 NAS1130-4L30

## Further Aerospace Products



### Blind Rivet Nuts

RIVNUT® aero blind rivet nuts solutions for installing a load carrying internal or external thread to thin-walled metal or plastic components even for single sided installations.

Available aviation standards:

- NAS1329
- NAS1330
- Customized blind rivet nut applications
- ECS2233
- ECS2234
- ECS2268



### Quick-Release Fasteners

QUICKLOC® clamp, turn and push-in fasteners for quick, repeated, unlockable fastenings and fast assembly.

- Cost-effective
- No tooling required for installation
- Light weight design
- Reliable and robust
- Adaptable in clamping force, colour and design



### Bonding of fasteners with light curing adhesives

The ONCERT® technology allows quick and reliable adhesion of most diverse fasteners to diverse materials.

- Connection on fibre composites, coated surfaces, glass and plastic
- Curing time  $\leq 5$  sec
- Very good mechanical properties, shock absorbing
- No heat impact to the substrate
- Process automation available
- Process controlled battery tool
- Works on plane surfaces

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