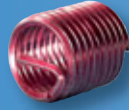


THE BLUE BOOK



Aerospace Buyer's Directory To
HELICOIL® Wire Thread Inserts

Helicoil® plus
made by **BÖLLHOFF**

Issue 3/August 2012

BÖLLHOFF



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

Production

of 100%-
ners
on



Assembly

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



Logistics

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



Böllhoff International with companies in:

- Argentina
- Austria
- Brazil
- Canada
- China
- Czech Republic
- France
- Germany
- Hungary
- India
- Italy
- Japan
- Mexico
- Poland
- Romania
- Russia
- Slovakia
- Spain
- Turkey
- United Kingdom
- USA

Apart from these 21 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

HELICOIL® Screw Thread Inserts **Contents**

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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	TANDED	TANCFREE	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

Insert Material Guide

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

Stainless Steel Grade 304

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

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)

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)

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

HeliCoil[®] Wire Thread Insert

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

Finish: **Cadmium Plating**

Type: **Screwlock**

Thread form: **UNC and UNF**

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

AGS3622

AGS3623

AGS3629

AGS3630

AGS3631

AGS3632

AGS3633

AGS3634

AGS3635

AGS3636

AGS3654

AGS3655

AGS3656

AGS3657

AGS3658

AGS3659

AGS3660

AGS3661

AGS3679

AGS3680

AGS3681

AGS3682

AGS3683

AGS3684

AGS3685

AGS3686

AGS3700 series

HeliCoil® Wire Thread Insert

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

Finish: **Silver Plating**

Type: **Screwlock**

Thread form: **UNF**

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	AGS3735		
AGS3707	AGS3736		
AGS3708	AGS3756		
AGS3709	AGS3757		
AGS3710	AGS3758		
AGS3711	AGS3759		
AGS3712	AGS3760		
AGS3713	AGS3761		
AGS3718	AGS3781		
AGS3719	AGS3782		
AGS3720	AGS3783		
AGS3721	AGS3784		
AGS3722	AGS3785		
AGS3723	AGS3786		
AGS3731			
AGS3732			
AGS3733			
AGS3734			

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	AGS4677M08160	AGS4677M16160	
AGS4677M04080	AGS4677M08200	AGS4677M16240	
AGS4677M04100	AGS4677M08240	AGS4677M16320	
AGS4677M04120	AGS4677M10100	AGS4677M16400	
AGS4677M05075	AGS4677M10150	AGS4677M16480	
AGS4677M05100	AGS4677M10200	AGS4677M18180	
AGS4677M05125	AGS4677M10250	AGS4677M18270	
AGS4677M05150	AGS4677M10300	AGS4677M18360	
AGS4677M06090	AGS4677M12120	AGS4677M18450	
AGS4677M06120	AGS4677M12180	AGS4677M18540	
AGS4677M06150	AGS4677M12240	AGS4677M20200	
AGS4677M06180	AGS4677M12300	AGS4677M20300	
AGS4677M07105	AGS4677M12360	AGS4677M20400	
AGS4677M07140	AGS4677M14140	AGS4677M20500	
AGS4677M07175	AGS4677M14210	AGS4677M20600	
AGS4677M07210	AGS4677M14280		
AGS4677M08080	AGS4677M14350		
AGS4677M08120	AGS4677M14420		

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	AS6733-23	AS6733-49	AS6733-71
AS6733-2	AS6733-24	AS6733-50	
AS6733-3	AS6733-25	AS6733-51	
AS6733-4	AS6733-26	AS6733-52	
AS6733-5	AS6733-31	AS6733-53	
AS6733-6	AS6733-32	AS6733-54	
AS6733-7	AS6733-33	AS6733-55	
AS6733-8	AS6733-34	AS6733-56	
AS6733-9	AS6733-35	AS6733-61	
AS6733-10	AS6733-36	AS6733-62	
AS6733-11	AS6733-37	AS6733-63	
AS6733-16	AS6733-38	AS6733-64	
AS6733-17	AS6733-39	AS6733-65	
AS6733-18	AS6733-40	AS6733-66	
AS6733-19	AS6733-41	AS6733-67	
AS6733-20	AS6733-46	AS6733-68	
AS6733-21	AS6733-47	AS6733-69	
AS6733-22	AS6733-48	AS6733-70	

AS6734 series

HeliCoil[®] Wire Thread Insert

Insert Material: **Corrosion Resistant Steel**
(Stainless Steel 304), AMS725, DTD734

Finish: **Self Finish (unplated)**

Type: **Free running**

Thread form: **UNC**

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	AS6734-19	AS6734-37	AS6734-55
AS6734-2	AS6734-20	AS6734-38	AS6734-56
AS6734-3	AS6734-21	AS6734-39	AS6734-57
AS6734-4	AS6734-22	AS6734-40	AS6734-58
AS6734-5	AS6734-23	AS6734-41	AS6734-59
AS6734-6	AS6734-24	AS6734-42	AS6734-60
AS6734-7	AS6734-25	AS6734-43	AS6734-71
AS6734-8	AS6734-26	AS6734-44	AS6734-72
AS6734-9	AS6734-27	AS6734-45	AS6734-73
AS6734-10	AS6734-28	AS6734-46	AS6734-74
AS6734-11	AS6734-29	AS6734-47	AS6734-75
AS6734-12	AS6734-30	AS6734-48	AS6734-76
AS6734-13	AS6734-31	AS6734-49	AS6734-77
AS6734-14	AS6734-32	AS6734-50	AS6734-78
AS6734-15	AS6734-33	AS6734-51	AS6734-79
AS6734-16	AS6734-34	AS6734-52	AS6734-80
AS6734-17	AS6734-35	AS6734-53	
AS6734-18	AS6734-36	AS6734-54	

AS8455 series

HeliCoil[®] Wire Thread Insert

Insert Material: **Corrosion Resistant Steel**
(Stainless Steel 304), AMS725, DTD734

Finish: **Cadmium Plating**

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. 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:	Corrosion Resistant Steel (Stainless Steel 304), AMS725, DTD734
Finish:	Cadmium Plating
Type:	Free running
Thread form:	UNC

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	AS8456-19	AS8456-37	AS8456-55
AS8456-2	AS8456-20	AS8456-38	AS8456-56
AS8456-3	AS8456-21	AS8456-39	AS8456-57
AS8456-4	AS8456-22	AS8456-40	AS8456-58
AS8456-5	AS8456-23	AS8456-41	AS8456-59
AS8456-6	AS8456-24	AS8456-42	AS8456-60
AS8456-7	AS8456-25	AS8456-43	AS8456-71
AS8456-8	AS8456-26	AS8456-44	AS8456-72
AS8456-9	AS8456-27	AS8456-45	AS8456-73
AS8456-10	AS8456-28	AS8456-46	AS8456-74
AS8456-11	AS8456-29	AS8456-47	AS8456-75
AS8456-12	AS8456-30	AS8456-48	AS8456-76
AS8456-13	AS8456-31	AS8456-49	AS8456-77
AS8456-14	AS8456-32	AS8456-50	AS8456-78
AS8456-15	AS8456-33	AS8456-51	AS8456-79
AS8456-16	AS8456-34	AS8456-52	AS8456-80
AS8456-17	AS8456-35	AS8456-53	
AS8456-18	AS8456-36	AS8456-54	

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 length. Bronze thread inserts are non magnetic and have a low permeability. They are used for electrical bonding joints.

Part Number

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

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

EN2942 series

HeliCoil® Wire Thread Insert

Insert Material: **Inconel X750, EN3018**
 Finish: **Silver Plating**
 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

- 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

EN2944 series

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

HeliCoil® Wire Thread Insert

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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301
Finish:	Self Finish (unplated)
Type:	Free running
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.

Part Number

LN903900025	LN903904180	LN903910100	LN903914280
LN903900037	LN903905070	LN903910150	LN903914350
LN903900050	LN903905105	LN903910200	LN903914420
LN903901030	LN903905140	LN903910250	LN903915140
LN903901045	LN903906080	LN903910300	LN903915210
LN903901060	LN903906120	LN903911120	LN903915280
LN903902040	LN903906160	LN903911180	LN903916160
LN903902060	LN903907080	LN903911240	LN903916240
LN903902080	LN903907120	LN903912120	LN903916320
LN903903050	LN903907160	LN903912180	LN903916400
LN903903075	LN903907200	LN903912240	
LN903903100	LN903907240	LN903912300	
LN903903125	LN903908100	LN903912360	
LN903903150	LN903908150	LN903913120	
LN903904060	LN903908200	LN903913180	
LN903904090	LN903909100	LN903913240	
LN903904120	LN903909150	LN903914140	
LN903904150	LN903909200	LN903914210	

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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301
Finish:	Cadmium Plating
Type:	Free running
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 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
LN949900037
LN949900050
LN949901030
LN949901045
LN949901060
LN949902040
LN949902060
LN949902080
LN949903050
LN949903075
LN949903100
LN949903125
LN949903150
LN949904060
LN949904090
LN949904120
LN949904150

LN949904180
LN949905070
LN949905105
LN949905140
LN949906080
LN949906120
LN949906160
LN949907080
LN949907120
LN949907160
LN949907200
LN949907240
LN949908100
LN949908150
LN949908200
LN949909100
LN949909150
LN949909200

LN949910100
LN949910150
LN949910200
LN949910250
LN949910300
LN949911120
LN949911180
LN949911240
LN949912120
LN949912180
LN949912240
LN949912300

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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, 1.4301
Finish:	Cadmium Plating
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. 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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Self Finish (unplated)
Type:	Free running
Thread form:	Metric Coarse and Fine

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

MA3279-268
 MA3279-269
 MA3279-270
 MA3279-271
 MA3279-272
 MA3279-273
 MA3279-274
 MA3279-275
 MA3279-276
 MA3279-277
 MA3279-278
 MA3279-279
 MA3279-280
 MA3279-281
 MA3279-282
 MA3279-283
 MA3279-284
 MA3279-285

MA3279-286
 MA3279-287
 MA3279-288
 MA3279-289
 MA3279-290
 MA3279-291
 MA3279-300
 MA3279-301
 MA3279-302
 MA3279-303
 MA3279-304
 MA3279-305
 MA3279-306
 MA3279-307
 MA3279-308
 MA3279-309
 MA3279-310
 MA3279-311

MA3279-312
 MA3279-313
 MA3279-314
 MA3279-315
 MA3279-316
 MA3279-317
 MA3279-318
 MA3279-319
 MA3279-320
 MA3279-321
 MA3279-322
 MA3279-323
 MA3279-324
 MA3279-325
 MA3279-326
 MA3279-327
 MA3279-328
 MA3279-329

MA3279-330
 MA3279-331
 MA3279-332
 MA3279-333
 MA3279-334
 MA3279-335
 MA3279-336
 MA3279-337
 MA3279-338
 MA3279-339
 MA3279-340
 MA3279-341

MA3280 series

Helicoil® Wire Thread Insert

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

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	MA3280-118	MA3280-136	MA3280-162
MA3280-101	MA3280-119	MA3280-137	MA3280-163
MA3280-102	MA3280-120	MA3280-138	MA3280-164
MA3280-103	MA3280-121	MA3280-139	MA3280-165
MA3280-104	MA3280-122	MA3280-140	MA3280-166
MA3280-105	MA3280-123	MA3280-141	MA3280-167
MA3280-106	MA3280-124	MA3280-150	MA3280-168
MA3280-107	MA3280-125	MA3280-151	MA3280-169
MA3280-108	MA3280-126	MA3280-152	MA3280-170
MA3280-109	MA3280-127	MA3280-153	MA3280-171
MA3280-110	MA3280-128	MA3280-154	MA3280-172
MA3280-111	MA3280-129	MA3280-155	MA3280-173
MA3280-112	MA3280-130	MA3280-156	MA3280-174
MA3280-113	MA3280-131	MA3280-157	MA3280-175
MA3280-114	MA3280-132	MA3280-158	MA3280-176
MA3280-115	MA3280-133	MA3280-159	MA3280-177
MA3280-116	MA3280-134	MA3280-160	MA3280-178
MA3280-117	MA3280-135	MA3280-161	MA3280-179

MA3280 series (cont'd)

HeliCoil® Wire Thread Insert

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

Part Number

MA3280-180	MA3280-206	MA3280-224	MA3280-250
MA3280-181	MA3280-207	MA3280-225	MA3280-251
MA3280-182	MA3280-208	MA3280-226	MA3280-252
MA3280-183	MA3280-209	MA3280-227	MA3280-253
MA3280-184	MA3280-210	MA3280-228	MA3280-254
MA3280-185	MA3280-211	MA3280-229	MA3280-255
MA3280-186	MA3280-212	MA3280-230	MA3280-256
MA3280-187	MA3280-213	MA3280-231	MA3280-257
MA3280-188	MA3280-214	MA3280-232	MA3280-258
MA3280-189	MA3280-215	MA3280-233	MA3280-259
MA3280-190	MA3280-216	MA3280-234	MA3280-260
MA3280-191	MA3280-217	MA3280-235	MA3280-261
MA3280-200	MA3280-218	MA3280-236	MA3280-262
MA3280-201	MA3280-219	MA3280-237	MA3280-263
MA3280-202	MA3280-220	MA3280-238	MA3280-264
MA3280-203	MA3280-221	MA3280-239	MA3280-265
MA3280-204	MA3280-222	MA3280-240	MA3280-266
MA3280-205	MA3280-223	MA3280-241	MA3280-267

MA3280 series (cont'd)**HeliCoil®** Wire Thread Insert

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

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
MA3280-285

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
MA3280-313
MA3280-314
MA3280-315
MA3280-316
MA3280-317
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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Cadmium Plating
Type:	Free running
Thread form:	Metric Coarse and Fine

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	MA3281-206	MA3281-224	MA3281-250
MA3281-181	MA3281-207	MA3281-225	MA3281-251
MA3281-182	MA3281-208	MA3281-226	MA3281-252
MA3281-183	MA3281-209	MA3281-227	MA3281-253
MA3281-184	MA3281-210	MA3281-228	MA3281-254
MA3281-185	MA3281-211	MA3281-229	MA3281-255
MA3281-186	MA3281-212	MA3281-230	MA3281-256
MA3281-187	MA3281-213	MA3281-231	MA3281-257
MA3281-188	MA3281-214	MA3281-232	MA3281-258
MA3281-189	MA3281-215	MA3281-233	MA3281-259
MA3281-190	MA3281-216	MA3281-234	MA3281-260
MA3281-191	MA3281-217	MA3281-235	MA3281-261
MA3281-200	MA3281-218	MA3281-236	MA3281-262
MA3281-201	MA3281-219	MA3281-237	MA3281-263
MA3281-202	MA3281-220	MA3281-238	MA3281-264
MA3281-203	MA3281-221	MA3281-239	MA3281-265
MA3281-204	MA3281-222	MA3281-240	MA3281-266
MA3281-205	MA3281-223	MA3281-241	MA3281-267

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

MA3281-268
 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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245, DTD734
Finish:	Self Finish (unplated)
Type:	Screwlock
Thread form:	Metric Coarse and Fine

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	MA3329-118	MA3329-136	MA3329-163
MA3329-101	MA3329-119	MA3329-137	MA3329-164
MA3329-102	MA3329-120	MA3329-138	MA3329-165
MA3329-103	MA3329-121	MA3329-139	MA3329-166
MA3329-104	MA3329-122	MA3329-141	MA3329-167
MA3329-105	MA3329-123	MA3329-150	MA3329-168
MA3329-106	MA3329-124	MA3329-151	MA3329-169
MA3329-107	MA3329-125	MA3329-152	MA3329-170
MA3329-108	MA3329-126	MA3329-153	MA3329-171
MA3329-109	MA3329-127	MA3329-154	MA3329-172
MA3329-110	MA3329-128	MA3329-155	MA3329-173
MA3329-111	MA3329-129	MA3329-156	MA3329-174
MA3329-112	MA3329-130	MA3329-157	MA3329-175
MA3329-113	MA3329-131	MA3329-158	MA3329-176
MA3329-114	MA3329-132	MA3329-159	MA3329-177
MA3329-115	MA3329-133	MA3329-160	MA3329-178
MA3329-116	MA3329-134	MA3329-161	MA3329-179
MA3329-117	MA3329-135	MA3329-162	MA3329-180

MA3329 series (cont'd)

HeliCoil® Wire Thread Insert

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

Finish: **Self Finish (unplated)**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

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
 MA3329-209
 MA3329-210
 MA3329-211
 MA3329-212
 MA3329-213
 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

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

Finish: **Self Finish (unplated)**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

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

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

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	MA3331-118	MA3331-136	MA3331-163
MA3331-101	MA3331-119	MA3331-137	MA3331-164
MA3331-102	MA3331-120	MA3331-138	MA3331-165
MA3331-103	MA3331-121	MA3331-139	MA3331-166
MA3331-104	MA3331-122	MA3331-141	MA3331-167
MA3331-105	MA3331-123	MA3331-150	MA3331-168
MA3331-106	MA3331-124	MA3331-151	MA3331-169
MA3331-107	MA3331-125	MA3331-152	MA3331-170
MA3331-108	MA3331-126	MA3331-153	MA3331-171
MA3331-109	MA3331-127	MA3331-154	MA3331-172
MA3331-110	MA3331-128	MA3331-155	MA3331-173
MA3331-111	MA3331-129	MA3331-156	MA3331-174
MA3331-112	MA3331-130	MA3331-157	MA3331-175
MA3331-113	MA3331-131	MA3331-158	MA3331-176
MA3331-114	MA3331-132	MA3331-159	MA3331-177
MA3331-115	MA3331-133	MA3331-160	MA3331-178
MA3331-116	MA3331-134	MA3331-161	MA3331-179
MA3331-117	MA3331-135	MA3331-162	MA3331-180

MA3331 series (cont'd)

HeliCoil® Wire Thread Insert

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

Finish: **Cadmium Plating**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

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

MA3331-207
 MA3331-208
 MA3331-209
 MA3331-210
 MA3331-211
 MA3331-212
 MA3331-213
 MA3331-214
 MA3331-215
 MA3331-216
 MA3331-217
 MA3331-218
 MA3331-219
 MA3331-220
 MA3331-221
 MA3331-222
 MA3331-223
 MA3331-224

MA3331-225
 MA3331-226
 MA3331-227
 MA3331-228
 MA3331-229
 MA3331-230
 MA3331-231
 MA3331-232
 MA3331-233
 MA3331-234
 MA3331-235
 MA3331-236
 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

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

Finish: **Cadmium Plating**

Type: **Screwlock**

Thread form: **Metric Coarse and Fine**

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:	Corrosion Resistant Steel (Stainless Steel 304), AS7245
Finish:	Self Finish (unplated)
Type:	Free running
Thread form:	UNC and UNF

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), AS7245

Finish: **Self Finish (unplated)**

Type: **Free running**

Thread form: **UNC and UNF**

Part Number

NASM122205	NASM122242	NASM124655	NASM124694
NASM122206	NASM122243	NASM124656	NASM124695
NASM122207	NASM122244	NASM124657	NASM124696
NASM122208	NASM122245	NASM124658	NASM124697
NASM122209	NASM122246	NASM124659	NASM124698
NASM122210	NASM122247	NASM124660	NASM124699
NASM122211	NASM122248	NASM124661	NASM124700
NASM122212	NASM122249	NASM124662	NASM124701
NASM122213	NASM122250	NASM124663	NASM124702
NASM122214	NASM122251	NASM124664	NASM124703
NASM122215	NASM122252	NASM124666	NASM124704
NASM122235	NASM122253	NASM124667	NASM124706
NASM122236	NASM122254	NASM124668	NASM124707
NASM122237	NASM122255	NASM124669	NASM124708
NASM122238	NASM122275	NASM124670	NASM124709
NASM122239	NASM124651	NASM124671	NASM124710
NASM122240	NASM124653	NASM124691	NASM124711
NASM122241	NASM124654	NASM124693	NASM124731

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

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:	Corrosion Resistant Steel (Stainless Steel 304), A57245
Finish:	Self Finish (unplated). Dyed Red, Cadmium Plating and Dry Film Lubricant
Type:	Screwlock
Thread form:	UNC and UNF

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	NASM21209F2030	NASM21209F4-15	NASM21209F7-30
NASM21209F1420	NASM21209F2210	NASM21209F4-20	NASM21209F8-10
NASM21209F1425	NASM21209F2215	NASM21209F4-25	NASM21209F8-15
NASM21209F1430	NASM21209F2220	NASM21209F4-30	NASM21209F8-20
NASM21209F1610	NASM21209F2225	NASM21209F5-10	NASM21209F8-25
NASM21209F1615	NASM21209F2230	NASM21209F5-15	NASM21209F8-30
NASM21209F1620	NASM21209F2410	NASM21209F5-20	NASM21209F9-10
NASM21209F1625	NASM21209F2415	NASM21209F5-25	NASM21209F9-15
NASM21209F1630	NASM21209F2420	NASM21209F5-30	NASM21209F9-20
NASM21209F1810	NASM21209F2425	NASM21209F6-10	NASM21209F9-25
NASM21209F1815	NASM21209F2430	NASM21209F6-15	NASM21209F9-30
NASM21209F1820		NASM21209F6-20	
NASM21209F1825	NASM21209F1-10	NASM21209F6-25	
NASM21209F1830	NASM21209F1-15	NASM21209F6-30	
NASM21209F2010	NASM21209F1-20	NASM21209F7-10	
NASM21209F2015	NASM21209F1-25	NASM21209F7-15	
NASM21209F2020	NASM21209F1-30	NASM21209F7-20	
NASM21209F2025	NASM21209F4-10	NASM21209F7-25	

NA0276 series

Helicoil® tangfree Wire Thread Insert

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
 NA0276M3-10
 NA0276M4-10
 NA0276M5-10
 NA0276M6-10
 NA0276M8-10
 NA0276M10-10
 NA0276M12-10
 NA0276M2A-10
 NA0276M3L10
 NA0276M4L10
 NA0276M5L10
 NA0276M6L10
 NA0276M8L10
 NA0276M10L10
 NA0276M12L10
 NA0276M2A-15
 NA0276M3-15
 NA0276M4-15
 NA0276M5-15
 NA0276M6-15

NA0276M8-15
 NA0276M10-15
 NA0276M12-15
 NA0276M2A-15
 NA0276M3L15
 NA0276M4L15
 NA0276M5L15
 NA0276M6L15
 NA0276M8L15
 NA0276M10L15
 NA0276M12L15
 NA0276M2A-20
 NA0276M3-20
 NA0276M4-20
 NA0276M5-20
 NA0276M6-20
 NA0276M8-20
 NA0276M10-20
 NA0276M12-20
 NA0276M2A-20
 NA0276M3L20

NA0276M4L20
 NA0276M5L20
 NA0276M6L20
 NA0276M8L20
 NA0276M10L20
 NA0276M12L20
 NA0276M2A-25
 NA0276M3-25
 NA0276M4-25
 NA0276M5-25
 NA0276M6-25
 NA0276M8-25
 NA0276M10-25
 NA0276M12-25
 NA0276M2A-25
 NA0276M3L25
 NA0276M4L25
 NA0276M5L25
 NA0276M6L25
 NA0276M8L25
 NA0276M10L25

NA0276M12L25
 NA0276M2A-30
 NA0276M3-30
 NA0276M4-30
 NA0276M5-30
 NA0276M6-30
 NA0276M8-30
 NA0276M10-30
 NA0276M12-30
 NA0276M2A-30
 NA0276M3L30
 NA0276M4L30
 NA0276M5L30
 NA0276M6L30
 NA0276M8L30
 NA0276M10L30
 NA0276M12L30

NAS1130 series

HELICOIL® tangfree Wire Thread Insert

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:	UNC and UNF

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
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 NAS1130-08-25
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 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



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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



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

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- Curing time ≤ 5 sec
- Very good mechanical properties, shock absorbing
- No heat impact to the substrate
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- Process controlled battery tool
- Works on plane surfaces

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