

# **BORDO**®

INDUSTRIAL TOOLS



## **Nes**® ADJUSTABLE THREAD RESTORERS THREADMATE UNIVERSAL THREAD REPAIR TOOLS

Buyer's Guide 03/2010

# Nes<sup>®</sup> ADJUSTABLE THREAD RESTORERS

NES

**Features and Benefits of NES Adjustable Thread Restoring Tools and Kits**

- One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.
- Does not require calibration
- Self adjusting to any size and pitch within tool range
- Hardened HSS cutting blades for long service life
- Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas
- Removes rust and burrs
- Quick to set up and simple to use
- Spare cutting blades are available in 60° and 55° flank angles
- Repairs a wide range of sizes
- Internal 8 to 68mm
- External 4 to 128mm

## RESTORE DAMAGED THREADS WITH THIS NEW AND EXCITING RANGE OF HAND TOOLS

**Bordo's Nes External and Internal thread restorers are the ideal tools for saving money during maintenance, plumbing, construction, agriculture, car repair and many other applications where there are components with a damaged thread.**

These hand tools automatically adjust to any thread diameter and pitch, can be used on left hand or right hand threads, both inch and metric and need no prior measurement of the thread.

Often the thread of a component is damaged at the end of the thread eliminating the use of taps or dies for carrying out the repair. Nes External and Nes Internal thread restorers have the capability to enter BELOW the damaged area and work outwards to complete the repair.

The blades are made of high quality hardened HSS tool steel and are guided by the existing undamaged section of thread, in order to regroove the damaged section.



The **Nes External** thread restorer is available in 3 sizes and can repair threads from 4 mm (5/32") diameter up to 128 mm (5") diameter. Nes tools can begin the repair at any point along the damaged thread.



The **Nes Internal** thread restorer is available in 6 sizes and can repair threads from 8 mm (5/16") diameter up to 68 mm (2-5/8") diameter.

## NES IN AUSTRALIA

**NES products are exclusively distributed throughout Australia by Bordo® International Pty. Ltd. as part of their thread repair product range. Bordo Australia is a leading distributor of industrial cutting tools and accessories and is a proudly Australian family owned and operated company. Bordo's thread repair range includes PowerCoil wire thread inserts, ProThread® wire thread inserts, Loksert® solid keylocking inserts, Time Fastener Co. TimeSerts® and Bigserts®, NES universal thread repair tools and NES Thread Mate® mini kit products.**



**Nes External** thread restorer kits see page 8



**Nes Internal** thread restorer kits see page 6



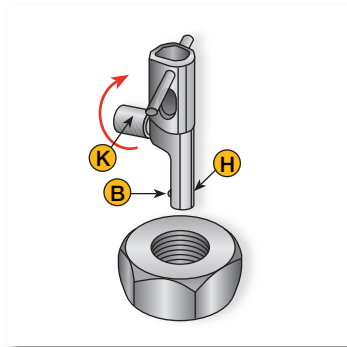
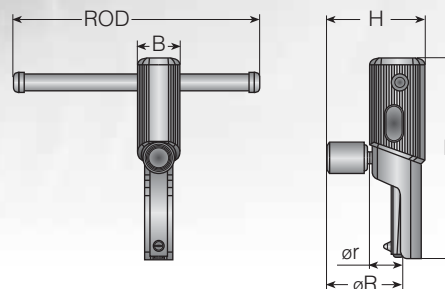
**Nes Internal & External** combination thread restorer kits see page 9

Bordo®, PowerCoil®, ProThread® and Loksert® are registered trademarks of Bordo International Pty. Ltd. NES® and ThreadMate™ are registered trademarks of Shilo Technologies Ltd. Timesert® and BigSert® are registered trademarks of Time Fastener Co.

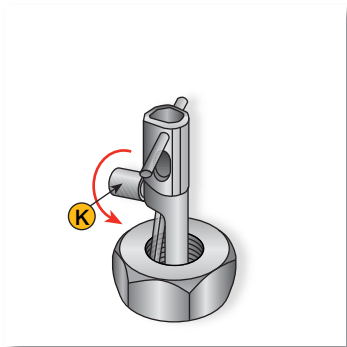
# Nes<sup>®</sup>

## ADJUSTABLE THREAD RESTORERS USER GUIDE

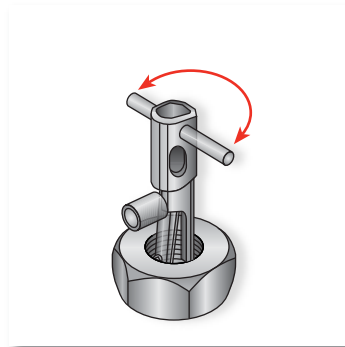
### INTERNAL THREADS



Turn knurled knob K to fully retract the blade B into the housing H. Insert Nes Internal tool into the threaded hole or bore to be repaired.



Turn knurled knob K to extend blade B into a thread groove on an undamaged section and tighten by hand only.



Rotate the Nes Internal tool by the cross-rod, as shown, in the desired direction.

#### Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

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Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas

Removes rust and burrs

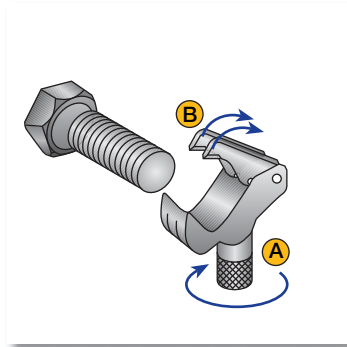
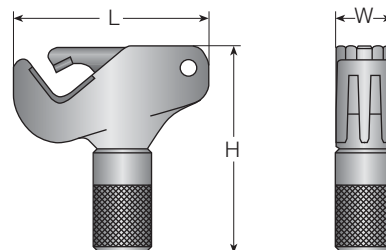
Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

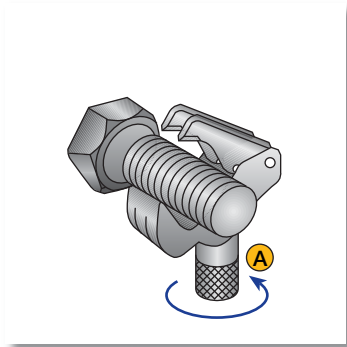
Repairs a wide range of sizes

Internal 8 to 68mm  
External 4 to 128mm

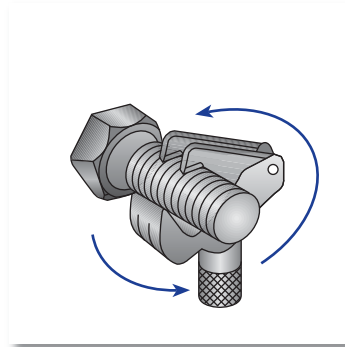
### EXTERNAL THREADS



Turn handle (A) to raise floating blades (B). Place the Nes External tool over thread to be repaired.



Turn handle (A) to lower floating blades into grooves of thread and tighten by hand only.



Turn the Nes External tool in direction of the arrow.

# ThreadMate™ MINI KIT 1044

UNIVERSAL THREAD REPAIR TOOLS

NEW!

**INTERNAL**



5 - 12mm Nr. 12 - 1/2"

**EXTERNAL**



4 - 13mm 5/32" - 1/2"



# Nes<sup>®</sup>

## THREADMATE



**THREAD RESTORERS ADJUSTABLE**

THREADMATE

<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	–
EXTERNAL THREAD RANGE	4-13MM (5/32"-1/2")
PACKAGING	<b>CLAM SHELL</b>

<b>TOOL NAME</b>	<b>\$ EACH</b>	<b>PART NUMBER</b>
THREADMATE EXTERNAL	<b>47.19</b>	3507-06040



**PLEASE NOTE**

Both internal and external tools in ThreadMate kits are supplied with 60° blades. 55° blade sets are sold separately and listed under "Replacement Components".

<b>THREADMATE REPLACEMENT COMPONENTS</b>	<b>\$ EACH</b>	<b>PART NUMBER</b>
INTERNAL TM20 Nylon Pads (5)	<b>10.20</b>	3507-07207
INTERNAL TM21 Nylon Pads (5)	<b>10.20</b>	3507-07217
EXTERNAL 60° Blades	<b>14.57</b>	3507-06046
EXTERNAL 55° Blades	<b>14.57</b>	3507-06045



**NES THREADMATE**

ThreadMate Kits are an economical option for internal M5 - M12 external M4 - M13 and are ideal for Outdoor technicians Maintenance Workshops Garages Marine Repairs Agricultural Repairs Motorcycles Bicycles

NES Threadmate tools are also available individually in convenient clam shell hang packs Spare blades are available in 60°, which are supplied as standard, and also 55° to suit BSW and BSF thread forms Threadmate kits include replaceable nylon pads to protect thread crests when restoring threads in soft metals and alloys

<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL & EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	5-12MM (12G-1/2")
EXTERNAL THREAD RANGE	4-13MM (5/32"-1/2")
PACKAGING	<b>KIT</b>

<b>KIT NAME</b>	<b>\$ KIT</b>	<b>PART NUMBER</b>	<b>KIT CONTENTS</b>																														
THREADMATE MINI-KIT	<b>190.05</b>	3507-01044	<table border="1"> <thead> <tr> <th>PART NO.</th> <th>RANGE MM</th> <th>RANGE INCH</th> <th>QTY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>3507-06040</td> <td>4 – 13</td> <td>5/32 – 1/2</td> <td>1</td> <td>Threadmate External</td> </tr> <tr> <td>–</td> <td>5 – 8</td> <td>12G – 5/16</td> <td>1</td> <td>Threadmate Internal TM20</td> </tr> <tr> <td>–</td> <td>8 – 12</td> <td>5/16 – 7/16</td> <td>1</td> <td>Threadmate Internal TM21</td> </tr> <tr> <td>3507-07207</td> <td>–</td> <td>–</td> <td>4</td> <td>Nylon Pad to suit TM20</td> </tr> <tr> <td>3507-07217</td> <td>–</td> <td>–</td> <td>4</td> <td>Nylon Pad to suit TM21</td> </tr> </tbody> </table>	PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION	3507-06040	4 – 13	5/32 – 1/2	1	Threadmate External	–	5 – 8	12G – 5/16	1	Threadmate Internal TM20	–	8 – 12	5/16 – 7/16	1	Threadmate Internal TM21	3507-07207	–	–	4	Nylon Pad to suit TM20	3507-07217	–	–	4	Nylon Pad to suit TM21
PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION																													
3507-06040	4 – 13	5/32 – 1/2	1	Threadmate External																													
–	5 – 8	12G – 5/16	1	Threadmate Internal TM20																													
–	8 – 12	5/16 – 7/16	1	Threadmate Internal TM21																													
3507-07207	–	–	4	Nylon Pad to suit TM20																													
3507-07217	–	–	4	Nylon Pad to suit TM21																													



**PLEASE NOTE**

ThreadMate Internal Tool TM21 restores threads up to 11mm as standard. To restore threads greater than 11mm up to 12mm you must use the TM21 Nylon Pad regardless of the material type.



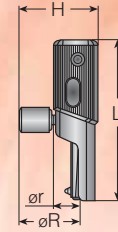
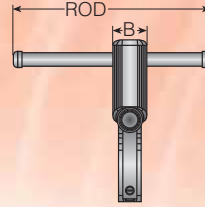
<b>MERCHANDISER NAME</b>	<b>\$ MERCH</b>	<b>PART NUMBER</b>	<b>MERCHANDISER CONTENTS</b>						
THREADMATE BENCH DISPLAY	<b>950.25</b>	3507-D1	<table border="1"> <thead> <tr> <th>QTY</th> <th>PART NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>3507-01044</td> <td>Threadmate Mini-Kit</td> </tr> </tbody> </table>	QTY	PART NUMBER	DESCRIPTION	5	3507-01044	Threadmate Mini-Kit
QTY	PART NUMBER	DESCRIPTION							
5	3507-01044	Threadmate Mini-Kit							

**THREAD RESTORERS ADJUSTABLE**

**NES INTERNAL INDIVIDUAL TOOLS**

# Nes<sup>®</sup>

## INTERNAL THREAD RESTORERS



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Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes  
Internal 8 to 68mm  
External 4 to 128mm

<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL
THREAD FLANK ANGLE	60°
PACKAGING	<b>CLAM SHELL*</b>

TOOL	TYPE	SIZE RANGE MM	SIZE RANGE INCH	TOOL DIMENSIONS MM						\$ EACH	PART NUMBER
				L	B	H	ROD	ø r	ø R		
NES 21	INTERNAL	8 – 11	5/16 – 7/16	109	18	45	136	16	38	103.11	3507-NES21
NES 22	INTERNAL	12 – 16	1/2 – 5/8	109	18	45	136	17	39	103.11	3507-NES22
NES 23	INTERNAL	16 – 20	11/16 – 13/16	111	21	53	146	20	45	112.49	3507-NES23
NES 24	INTERNAL	22 – 32	7/8 – 1-1/4	136	27	64	161	27	54	150.01	3507-NES24
NES 25	INTERNAL	32 – 54	1-1/4 – 2-1/8	163	38	81	192	35	62	262.60	3507-NES25
NES 26	INTERNAL	32 – 68	1-1/4 – 2-5/8	163	50	92	192	41	70	375.18	3507-NES26

\* NES 25 and NES 26 tools are supplied in boxes

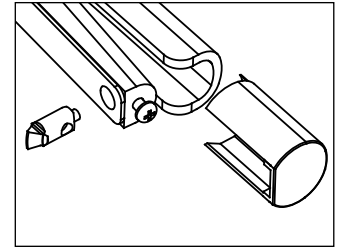


**PLEASE NOTE**

NES internal thread restorers are supplied with 60° blades.  
55° blade sets are sold separately and listed under "Replacement Blades".

## NYLON PADS NES INTERNAL TOOL ACCESSORIES

Nylon pads are available for NES 21 through to NES 24 internal tools and are to be used during the repair of threads in aluminium and other soft metals. NES Nylon Pads are produced from top quality polyamide resins which provide superior toughness, resilience and outstanding mechanical properties over a wide range of operating environments. These pads are designed for multiple uses however their longevity will be dependent on the wear and tear sustained during use. Each pad is clearly embossed with the 5 digit part number suffix.



NES INTERNAL ACCESSORIES			\$ EACH	PART NUMBER
TOOL	PACK QTY	DETAILS		
<b>NYLON PADS</b>				<b>NYLON PADS</b>
NES 21	5	Use of Nylon Pad alters size range of tool to 9 – 11mm, 3/8" – 1/2"	10.20	3507-07217
NES 22	5	Use of Nylon Pad alters size range of tool to 14 – 18mm, 9/16" – 11/16"	10.20	3507-07227
NES 23	5	Use of Nylon Pad alters size range of tool to 18 – 22mm, 11/16" – 7/8"	11.45	3507-07237
NES 24	5	Use of Nylon Pad alters size range of tool to 22 – 33mm, 7/8" – 1-5/16"	12.28	3507-07247
<b>ADAPTOR</b>				<b>ADAPTOR</b>
NES 25	1	NES 25 Sleeve Adaptor to suit NES 25 tool only Adaptor for NES 25 tool to increase size range of tool to 68mm, 2-5/8"	94.54	3507-07269

REPLACEMENT BLADES			\$ EACH	PART NUMBER
TOOL	BLADE ANGLE	DETAILS		
<b>60° BLADES</b>				<b>60° BLADES</b>
<b>Suit MC, MF, UNC, UNF thread forms</b>				
NES 21	60°	Fitted as standard to NES 21 tool	24.83	3507-07216
NES 22	60°	Fitted as standard to NES 22 tool	22.56	3507-07226
NES 23	60°	Fitted as standard to NES 23 tool	23.32	3507-07236
NES 24	60°	Fitted as standard to NES 24 tool	24.58	3507-07246F
NES 24	60°	Best for threads coarser than 10TPI or 2.5mm to suit NES 24 tool	24.58	3507-07246C
NES 25	60°	Fitted as standard to NES 25 tool	28.36	3507-07256
NES 25	60°	Best for threads finer than 14TPI or 1.75mm to suit NES 25 tool	28.37	3507-07256F
NES 26	60°	Fitted as standard to NES 26 tool	30.33	3507-07266
NES 26	60°	Best for threads finer than 14TPI or 1.75mm to suit NES 26 tool	30.33	3507-07266F
NES 26	60°	Best for threads coarser than 7TPI or 3.5mm to suit NES 26 tool	30.33	3507-07266C
<b>55° BLADES</b>				<b>55° BLADES</b>
<b>Suit BSW, BSF thread forms</b>				
NES 21	55°	Flank angles to suit BSW and BSF thread forms to suit NES 22 tool	24.83	3507-07215
NES 22	55°	Flank angles to suit BSW and BSF thread forms to suit NES 22 tool	22.56	3507-07225
NES 23	55°	Flank angles to suit BSW and BSF thread forms to suit NES 23 tool	23.32	3507-07235
NES 24	55°	Flank angles to suit BSW and BSF thread forms to suit NES 24 tool	24.58	3507-07245F
NES 24	55°	Flank angles to suit BSW and BSF best for threads coarser than 10TPI or 2.5mm to suit NES 24 tool	24.58	3507-07245C
NES 25	55°	Flank angles to suit BSW and BSF thread forms to suit NES 25 tool	28.36	3507-07255
NES 25	55°	Flank angles to suit BSW and BSF best for threads finer than 14TPI or 1.75mm to suit NES 25 tool	28.37	3507-07255F
NES 26	55°	Flank angles to suit BSW and BSF thread forms to suit NES 26 tool	28.36	3507-07265
NES 26	55°	Flank angles to suit BSW and BSF best for threads finer than 14TPI or 1.75mm to suit NES 26 tool	28.36	3507-07265F
NES 26	55°	Flank angles to suit BSW and BSF best for threads coarser than 7TPI or 3.5mm to suit NES 26 tool	28.36	3507-07265C

# Nes<sup>®</sup>

## EXTERNAL THREAD RESTORERS



**THREAD  
RESTORERS  
ADJUSTABLE**

**NES EXTERNAL  
INDIVIDUAL  
TOOLS**

<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	EXTERNAL
THREAD FLANK ANGLE	60°
PACKAGING	<b>CLAM SHELL*</b>

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Thread Restoring  
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Internal 8 to 68mm  
External 4 to 128mm

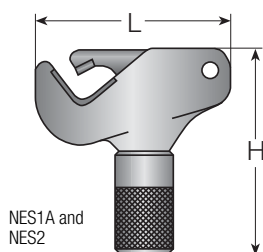
TOOL	TYPE	SIZE RANGE MM	SIZE RANGE INCH	SIZE RANGE PIPE THREAD	TOOL DIMENSIONS MM				\$ EACH	PART NUMBER
					L	W	H	R		
NES 1A	EXTERNAL	4 – 18	5/32 – 11/16	up to 7/16"	61	23	62	68	<b>93.35</b>	3507-NES1A
NES 2	EXTERNAL	17 – 38	11/16 – 1-1/2	3/8" to 1-1/8"	105	32	110	117	<b>136.04</b>	3507-NES2
NES 3	EXTERNAL	32 – 128	1 – 5	1" to 1-1/4"	305	44	130	250	<b>312.78</b>	3507-NES3

\* NES 3 is supplied in a box

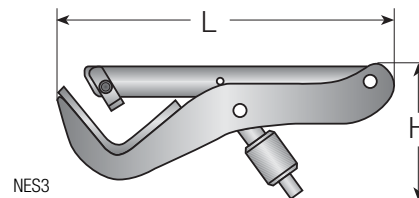
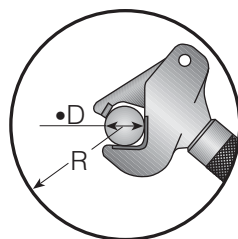


**PLEASE NOTE**

NES external thread restorers are supplied with 60° blades.  
55° blade sets are sold separately and listed under "Replacement Blades".



NES1A and  
NES2



NES3

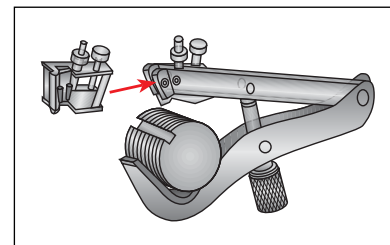
## KEYWAY SKIP ADAPTOR NES EXTERNAL TOOL ACCESSORIES

The NES Keyway Skip Adaptor enable the NES 3 Thread Repair Tool to glide over keyway slots, grooves and channels. This accessory enables the NES 3 tool to repair damaged threaded shafts with slots for keys or tab washers.



**PLEASE NOTE**

NES keyway skip adaptor is only suitable for use with the NES 3 external tool.



NES EXTERNAL ACCESSORIES			\$ EACH	PART NUMBER
TOOL	PACK QTY	DETAILS		
<b>KEYWAY SKIP ADAPTOR</b>		<b>To suit NES 3 tool only</b>		<b>KEYWAY SKIP ADAPTOR</b>
NES 3	1	Keyway skip adaptor for NES 3 tool	<b>94.54</b>	3507-03101
NES 3	1	Keyway skip adaptor for NES 3 tool with fine blade for threads finer than 14TPI or 1.75mm	<b>162.12</b>	3507-03103

REPLACEMENT BLADES			\$ EACH	PART NUMBER
TOOL	BLADE ANGLE	DETAILS		
<b>60° BLADES</b>				<b>60° BLADES</b>
<b>Suit MC, MF, UNC, UNF thread forms</b>				
NES 1A	60°	Fitted as standard to NES 1A tool	<b>35.17</b>	3507-00010
NES 2	60°	Fitted as standard to NES 2 tool	<b>47.77</b>	3507-00030
NES 2	60°	Best for threads finer than 17TPI or 1.5mm to suit NES 2 tool	<b>47.77</b>	3507-00031F
NES 3	60°	Fitted as standard to NES 3 tool	<b>67.58</b>	3507-03010
NES 3	60°	Best for threads coarser than 7TPI or 3.5mm to suit NES 3 tool	<b>67.58</b>	3507-03011C
NES 3	60°	Best for threads finer than 14TPI or 1.75mm to suit NES 3 tool	<b>67.58</b>	3507-03010F
<b>55° BLADES</b>				<b>55° BLADES</b>
<b>Suit BSW, BSF thread forms</b>				
NES 1A	55°	Flank angles to suit BSW and BSF thread forms to suit NES 1A tool	<b>35.17</b>	3507-00020
NES 2	55°	Flank angles to suit BSW and BSF thread forms to suit NES 2 tool	<b>47.77</b>	3507-00040
NES 2	55°	Flank angles to suit BSW and BSF best for threads finer than 17TPI or 1.5mm to suit NES 2 tool	<b>47.77</b>	3507-00041F
NES 3	55°	Flank angles to suit BSW and BSF thread forms to suit NES 3 tool	<b>67.58</b>	3507-03020
NES 3	55°	Flank angles to suit BSW and BSF best for threads coarser than 7TPI or 3.5mm to suit NES 3 tool	<b>67.58</b>	3507-03021C
NES 3	55°	Flank angles to suit BSW and BSF best for threads finer than 14TPI or 1.75mm to suit NES 3 tool	<b>67.58</b>	3507-03020F

# Nes®

## INTERNAL THREAD RESTORER KITS



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Internal 8 to 68mm  
External 4 to 128mm

<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	12-54MM (1/2" – 2-1/8")
EXTERNAL THREAD RANGE	—
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
SET 1005 INTERNAL	611.28	3507-01005	3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-NES24	22 – 32	7/8 – 1-1/4	1	NES 24 internal tool
			3507-NES25	32 – 54	1-1/4 – 2-1/8	1	NES 25 internal tool
			3507-07226	—	—	1	Spare blade to suit NES 22
			3507-07236	—	—	1	Spare blade to suit NES 23
			3507-07246F	—	—	1	Spare blade to suit NES 24
			3507-07256	—	—	1	Spare blade to suit NES 25



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	8-20MM (5/16" – 13/16")
EXTERNAL THREAD RANGE	—
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
SET 1007 INTERNAL	323.58	3507-01007	3507-NES21	8 – 11	5/16 – 7/16	1	NES 21 internal tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-07216	—	—	1	Spare blade to suit NES 21
			3507-07226	—	—	1	Spare blade to suit NES 22
			3507-07236	—	—	1	Spare blade to suit NES 23



**PLEASE NOTE**

All NES Internal kits are supplied with 60° blades.  
55° blade sets are sold separately and listed under "Replacement Blades" on page 4.

# Nes<sup>®</sup>

## INTERNAL THREAD RESTORER KITS

**THREAD  
RESTORERS  
ADJUSTABLE**

**NES INTERNAL  
KITS**



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	8-32MM (5/16" – 1-1/4")
EXTERNAL THREAD RANGE	–
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
<b>SET 1008</b> INTERNAL	<b>467.34</b>	3507-01008	3507-NES21	8 – 11	5/16 – 7/16	1	NES 21 internal tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-NES24	22 – 32	7/8 – 1-1/4	1	NES 24 internal tool
			3507-07216	–	–	1	Spare blade to suit NES 21
			3507-07226	–	–	1	Spare blade to suit NES 22
			3507-07236	–	–	1	Spare blade to suit NES 23
			3507-07246F	–	–	1	Spare blade to suit NES 24

**Features and Benefits of NES Adjustable Thread Restoring Tools and Kits**

One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.

Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas

Removes rust and burrs

Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes

Internal 8 to 68mm  
External 4 to 128mm



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	22-68MM (7/8" – 2-5/8")
EXTERNAL THREAD RANGE	–
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
<b>SET 1036</b> INTERNAL	<b>500.66</b>	3507-01036	3507-NES24	22 – 32	7/8 – 1-1/4	1	NES 24 internal tool
			3507-NES25	32 – 54	1-1/4 – 2-1/8	1	NES 25 internal tool
			3507-07269	32 – 68	1-1/4 – 2-5/8	1	NES 26 adaptor sleeve (for NES25)
			3507-07246F	–	–	1	Spare blade to suit NES 24
			3507-07256F	–	–	1	Spare blade to suit NES 26
			3507-07266F	–	–	1	Spare blade to suit NES 26
			3507-07266C	–	–	1	Spare blade to suit NES 26

# Nes<sup>®</sup>

## EXTERNAL THREAD RESTORER KITS

**Features and Benefits of NES Adjustable Thread Restoring Tools and Kits**

One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.

Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas

Removes rust and burrs

Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes  
Internal 8 to 68mm  
External 4 to 128mm



GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	—
EXTERNAL THREAD RANGE	4-38MM (5/32" – 1-1/2")
PACKAGING	KIT

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS					
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION	
SET 12	EXTERNAL	255.79	3507-01000	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
				3507-NES2	17 – 38	11/16 – 1-1/2	1	NES 2 external tool
				3507-00010	—	—	—	Spare blade set to suit NES 1A
				3507-00030	—	—	—	Spare blade set to suit NES 2



GROUP	NESR
THREAD TYPE	EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	—
EXTERNAL THREAD RANGE	4-128MM (5/32" – 5")
PACKAGING	KIT

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS					
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION	
SET 123	EXTERNAL	628.08	3507-01300	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
				3507-NES2	17 – 38	11/16 – 1-1/2	1	NES 2 external tool
				3507-NES3	32 – 128	1-1/4 – 5	1	NES 3 external tool
				3507-00010	—	—	—	Spare blade set to suit NES 1A
				3507-00030	—	—	—	Spare blade set to suit NES 2
				3507-03010	—	—	—	Spare blade set to suit NES 3
				—	—	—	—	NES cleaner
				—	—	—	—	NES 3 extension handle



**PLEASE NOTE**

All NES External kits are supplied with 60° blades.  
55° blade sets are sold separately and listed under "Replacement Blades" on page 5.

# Nes<sup>®</sup>

## COMBO THREAD RESTORER KITS

**THREAD RESTORERS ADJUSTABLE**

**NES COMBO KITS**



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL / EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	8-16MM (5/16" – 5/8")
EXTERNAL THREAD RANGE	6-19MM (1/4" – 3/4")
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
<b>SET 1012</b> INTERNAL/EXTERNAL	<b>316.39</b>	3507-01012	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
			3507-NES21	8 – 11	5/16 – 7/16	1	NES 21 internal tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-00010	–	–	1	Spare blade set to suit NES 1A
			3507-07216	–	–	1	Spare blade to suit NES 21
			3507-07226	–	–	1	Spare blade to suit NES 22

**Features and Benefits of NES Adjustable Thread Restoring Tools and Kits**

One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.

Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas

Removes rust and burrs

Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes

Internal 8 to 68mm External 4 to 128mm



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL / EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	12-20MM (1/2" – 13/16")
EXTERNAL THREAD RANGE	6-19MM (1/4" – 3/4")
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
<b>SET 1013</b> INTERNAL/EXTERNAL	<b>316.39</b>	3507-01013	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-00010	–	–	1	Spare blade set to suit NES 1A
			3507-07226	–	–	1	Spare blade to suit NES 22
			3507-07236	–	–	1	Spare blade to suit NES 23



<b>GROUP</b>	<b>NESR</b>
THREAD TYPE	INTERNAL / EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	12-20MM (1/2" – 13/16")
EXTERNAL THREAD RANGE	4-18MM (5/32" – 11/16")
PACKAGING	<b>KIT</b>

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
<b>SET 1016</b> INTERNAL/EXTERNAL	<b>316.39</b>	3507-01016	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-00010	–	–	1	Spare blade set to suit NES 1A
			3507-07226	–	–	1	Spare blade to suit NES 22
			3507-07236	–	–	1	Spare blade to suit NES 23



**PLEASE NOTE**

All NES Combo kits are supplied with 60° blades.

55° blade sets are sold separately and listed under "Replacement Blades" on pages 4 and 5.

# Nes®

## COMBO THREAD RESTORER KITS



**Features and Benefits of NES Adjustable Thread Restoring Tools and Kits**

One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.

Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas

Removes rust and burrs

Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes  
Internal 8 to 68mm  
External 4 to 128mm

GROUP	NESR
THREAD TYPE	INTERNAL / EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	8-20MM (5/16" – 13/16")
EXTERNAL THREAD RANGE	4-18MM (5/32" – 11/16")
PACKAGING	KIT

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
SET 1017	INTERNAL/EXTERNAL	3507-01017	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
			3507-NES21	8 – 11	5/16 – 7/16	1	NES 21 internal tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-00010	–	–	1	Spare blade set to suit NES 1A
			3507-07216	–	–	1	Spare blade to suit NES 21
			3507-07226	–	–	1	Spare blade to suit NES 22
			3507-07236	–	–	1	Spare blade to suit NES 23



GROUP	NESR
THREAD TYPE	INTERNAL / EXTERNAL
THREAD FLANK ANGLE	60°
INTERNAL THREAD RANGE	8-32MM (5/16" – 1-1/4")
EXTERNAL THREAD RANGE	4-38MM (5/32" – 1-1/2")
PACKAGING	KIT

KIT NAME	\$ KIT	PART NUMBER	KIT CONTENTS				
			PART NO.	RANGE MM	RANGE INCH	QTY	DESCRIPTION
SET 1025	INTERNAL/EXTERNAL	3507-01025	3507-NES1A	4 – 18	5/32 – 11/16	1	NES 1A external tool
			3507-NES2	17 – 38	11/16 – 1-1/2	1	NES 2 external tool
			3507-NES21	8 – 11	5/16 – 7/16	1	NES 21 internal tool
			3507-NES22	12 – 16	1/2 – 5/8	1	NES 22 internal tool
			3507-NES23	16 – 20	11/16 – 13/16	1	NES 23 internal tool
			3507-NES24	22 – 32	7/8 – 1-1/4	1	NES 24 internal tool
			3507-00010	–	–	1	Spare blade set to suit NES 1A
			3507-00030	–	–	1	Spare blade set to suit NES 2
			3507-07216	–	–	1	Spare blade to suit NES 21
			3507-07226	–	–	1	Spare blade to suit NES 22
			3507-07236	–	–	1	Spare blade to suit NES 23
			3507-07246F	–	–	1	Spare blade to suit NES 24



**PLEASE NOTE**

All NES Combo kits are supplied with 60° blades.

55° blade sets are sold separately and listed under "Replacement Blades" on pages 4 and 5.

# Nes®

## THREAD RESTORING TOOLS AND KITS BY BORDO

**THREAD RESTORERS ADJUSTABLE**

### INTERNAL TOOL SELECTION CHART

Find the best tool for your application by the colour at the intersection of the “workpiece diameter” column and the “workpiece thread pitch” row.

Diameter Inch	5/16	3/8	7/16	1/2	9/16	5/8	11/16-3/4	20	13/16	7/8	15/16	1-1/16	1-1/8	1-3/16	1-1/4	1-5/16	1-3/8-1-9/16	1-5/8	1-3/4	1-7/8	2-2-3/16	2-3/1-2-5/8
Diameter mm	8	10	11	12	14-15	16	17-19	20	21	22	24	25-27	28	30	32	33	35-40	42	44	45-48	50-55	54-68
tpi																						
Pitch																						
32	0.8	Yellow	Yellow	Yellow	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey
28	1	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
26	1.25	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
24	1.5	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
22	1.75	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
20	2	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
18	2.5	Yellow	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
16	3	Grey	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
14	3.5	Grey	Yellow	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
13	4	Grey	Grey	Yellow	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
12	4.5	Grey	Grey	Grey	Yellow	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
11.5	5	Grey	Grey	Grey	Grey	Purple	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
11		Grey	Grey	Grey	Grey	Grey	Purple	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
10		Grey	Grey	Grey	Grey	Grey	Grey	Purple	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
9		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
8		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
7		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
6		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
5		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
4.5		Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Grey	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue

#### Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

- One tool restores Metric, Imperial, Right Hand and Left Hand threads and replaces many taps and/or dies.
- Does not require calibration
- Self adjusting to any size and pitch within tool range
- Hardened HSS cutting blades for long service life
- Tool uses undamaged section of thread to guide cutting blades during repair to damaged areas
- Removes rust and burrs
- Quick to set up and simple to use
- Spare cutting blades are available in 60° and 55° flank angles
- Repairs a wide range of sizes
- Internal 8 to 68mm
- External 4 to 128mm

#### Color Key

- Yellow: Nes Internal 21
- Purple: Nes Internal 22
- Blue: Nes Internal 23
- Green: Nes Internal 24
- Light Green: Nes Internal 25
- Orange: Nes Internal 25 including sleeve
- Red: Sleeve 26

# Nes<sup>®</sup>

## THREAD RESTORING TOOLS AND KITS QUESTIONS AND ANSWERS

### Features and Benefits of NES Adjustable Thread Restoring Tools and Kits

One tool restores Metric, Imperial, Right Hand and Left Hand threads

Does not require calibration

Self adjusting to any size and pitch within tool range

Hardened HSS cutting blades for long service life

Automatically chases un-damaged thread sections to repair damaged areas

Removes rust and burrs

Cost effective – each tool and kit replaces hundreds of taps and/or dies

Quick to set up and simple to use

Spare cutting blades are available in 60° and 55° flank angles

Repairs a wide range of sizes  
Internal 8 to 68mm  
External 4 to 128mm

ThreadMate Kit is an economical option for internal M5 - M12 external M4 - M13 maintenance and workshop repairs

**Q What are NES tools?**

**A** NES tools automatically reform the thread pitch of most typical internal or external application with a high-speed steel blade by following the existing thread pitch.

**Q Will the NES tool do the work of a tap or die?**

**A** Yes, it has the same form cutting ability due to the existing thread. The advantage is that the chips can be evacuated ahead of the tool.

**Q Do you need cutting fluid when using a NES tool?**

**A** No, the reduced cutting forces and the small amount of material being removed will not generate the heat or distortion. A light oil or fluid adding lubricity will enhance the cut rate and improve the finish when dealing with ferrous metals and alloys. The lubricity will extend the life of the cutting blade. Some non-ferrous materials will have an improved finish and better cut rate without a fluid.

**Q Will the NES tool restore a completely stripped thread?**

**A** No, the tool requires a root or partial thread angle in guiding the tool blade throughout the profile.

**Q Will a NES tool work on inches and metric threads?**

**A** Yes, it uses the root and angle of the thread to establish the diameter and restore the 60-degree crest of the thread. The Nes tool does either right or left-handed threads. You control the rotation and direction of the cutting tool.

**Q Can NES repair British standards threads?**

**A** Yes, we offer cutting tool blades in an orange color-code with a 55° angle to form British Standard Whitworth (BSW), British Standard Fine Pitch (BSF) and British Standard Parallel-Pipe (BSP) thread forms.

**Q How about ACME threads?**

**A** No, NES doesn't offer anything for Acme threads due to the large diameters.

**Q Where and how can NES Tools save both time and money?**

**A** The tool can save maintenance, mechanical, plumbing and construction workers from disassembling and reassembling a unit. It takes the quest work out of measuring the thread size and pitch. NES tools are lightweight, vestal, compact and durable and useful in confined environments or workspaces.

**Q Where does most thread damage usually occur?**

**A** The leading edge of the thread is prone to wear at the start of engagement. Misalignment and wear will cause further crest damage. The NES tool chases the existing thread angle and strengthens the crest of internal and external threads. Therefore using two tools from NES will qualify the crest and pitch angle of the mating parts to insure proper assembly and torque strength.

**Q Can a tap restore threads like a NES tool?**

**A** No, a tap can't pick up the original path of the initial cutting tool. NES maintains the original centerline of the internal thread by following the existing groove.

**Q Can a thread die perform the same way as a NES Tool?**

**A** No, because threading dies have a tendency to nick the crest of the original threads. Wear or being too out of round prevents the die from picking up the original plane of the groove. The NES tool uses the original groove to maintain concentricity.

**Q Can a NES tool remove chemical etching and fused material from a damaged thread?**

**A** Yes, provided we have a section of thread that is not damaged from the chemical or physical process. The Nes tool can remove the scale or rust and improve the surface integrity and finish.

**Q If using a worn tap or die can a NES tool finish the job?**

**A** Yes, if you have used a worn out tap or die the NES can make up for wear by removing enough material to get you to the pitch diameter and eliminate any interference issues.

**Q Is the NES 1A suitable to recut a thread that has been compressed on one side? In this instance the treads on a steering column that has been distorted (compressed) on one side. My guess is that a steering wheel puller was used off centre and excessive force has been used. The damage is not dissimilar to hitting the end of a thread off centre with a hammer. There is a section of undamaged thread your tool can follow. Is your tool capable of cutting a fresh thread ie the cutter doesn't follow the compressed (damaged) section? What is the minimum amount of clear thread required by the NES 1A?**

**A** Nes tools are designed for recutting threads that were flattened or compressed. Nes has to be mounted on an undamaged thread, 20mm is sufficient for the first blade to meet the damaged area and to perform the repair. However if you don't have sufficient undamaged thread it is suggested to mount Nes on a clear side of the thread - while the damaged area is in the between the blades. (in other words : let us say that the thread was horizontal while it was hit by a hammer on the upper side of the thread , in that case we will recommend to mount the Nes while the blades engage the opposite side of the thread ) in that case part of the damage will be repaired by the second blade only. 20mm are needed after the damaged area to repair with both blades on the thread along the whole reparation. It is also possible to repair with just one blade on the thread but more attention should be taken. Nes tools do not cut new thread. With severe damages there is a possibility of cross threading.

**Q What if I have a slot or channel for a keyway in my thread shaft?**

**A** NES offers an attachment known as a 3 Keyway Skip Accessory. The tool allows the blade to skip over the slots on larger external threads and shaft designed for a key or tab washer.

**Q Will the NES tool blade wear out?**

**A** Yes, but we offer two types of replacement blades. One in 60 degrees for Metric, National Fine or National Course, and National Pipe Threads and another in 55 degrees for BSW, BSF and BSP.(British Standards) and color-coded in orange.

**Q How deep can an Internal NES tool reach?**

**A** The NES tools are designed to reach inside threads 1" (25mm) deep to restore most damaged area.

**Q Who would get the most use out of the NES tools?**

**A** Anyone involved with mechanical and engineering repairs involving threaded components manufactured to ISO, UNC, UNF, NPT, BSW, BSF or BSP standards.

# powercoil®

wire thread insert system



M2 – M12 (1/8" – 1/2") PowerCoil Thread Repair Kits include all the necessary components to successfully repair damaged threads. Kits include Drill, STI Tap, Inserts, Installation Tool and Tang Break-Off Tool.

The PowerCoil Wire Thread Insert System includes a complete range of over 140 Thread Repair Kits; Free Running & Screw Locking inserts; Strip Feed Inserts; STI Hand & Machine Taps; Installation, Tang Break & Removal Tools.

## wire thread insert system features & benefits

- Lighter and Cheaper than any other equivalent type of thread insert.
- Can generally be introduced into existing designs where no previous provision has been made.
- Increase quality and performance whilst reducing overall product cost.

- Their introduction may result in the use of thinner sections or lighter parent materials without sacrificing thread strength.
- Create internal threads with greatly improved distribution of residual stress loading
- Compensate for pitch and flank angle errors
- Create internal threads in which wear due to thread friction is virtually eliminated.
- Providing threads that stay tight.

## wire thread insert system installation instructions

### 1 DRILL



Drill to clear the damaged thread with a standard twist drill. Thread Repair Kits up to M12 (1/2") include the correct size drill. The required tapping drill size is shown on the front of this pack.



**Note:** Spark Plug inserts utilise a pilot nose tap which does not require pre-drilling.

### 2 TAP



Use the specified tap to cut the holding thread into the cleared hole. When tapping a hole, it is recommended to use a suitable lubricant.



**Note:** Wire Thread inserts require the use of STI taps which are slightly oversize to provide the correct hole diameter. Always check that the thread and pitch of the tap are the same as the bolt you wish to insert into the finished hole.

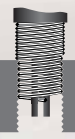
### 3 INSERT



Loosen the grub screw and slide the collar along the insert tool shaft so that the tang on the insert is positioned half way up the insert tool slot.



**Note:** Do not position tang at the very top or bottom of the insert tool slot.



Use the installation tool to wind the insert into the threaded hole using light downward pressure until half a turn below the surface.



**Note:** Do not work against the thread direction as the tang may break off.

### 4 SNAP



Lift installation tool, rotate 90° and tap down sharply to break off wire thread insert tang. Use the tang break off tool to perform this function where supplied.



**Note:** For spark plug and large inserts use long nose pliers to remove the tang.

### 5 DONE!



You have successfully repaired your damaged thread. The new thread is normally stronger than the original.

## Our Corporate Philosophy

Bordo International is synonymous with excellence in industrial cutting tools. Bordo's head office is located in the Eastern suburbs of Melbourne and utilises a comprehensive distribution network throughout Australia. Founded in 1987, Bordo remains a 100% family-owned Australian company committed to our customers and the local community.

Our mission is to provide a complete cutting tool range that is of a quality and reliability that exceeds our customers' expectations and requirements; and a service level second-to-none in the market, reflecting our total commitment to excellence.

## Products

As Industrial Cutting Tool and Power Tool Accessory specialists, our extensive product range is one of the most comprehensive in the industry. Our continually expanding range of precision cutting tools ensures you need look no further for all your industrial cutting needs. All of our products have been carefully selected and determined to be the best quality of their kind in the world.

## Service

Bordo International is committed to working with our suppliers and customers to improve and expand our range of cutting tools and power tool accessories, whilst continuing to provide the highest levels of service. We are supported by a team of technical and production experts who ensure that all specialised tooling requirements are met to our customers' exacting specifications.

## Vision

The Bordo Quality Commitment exists throughout all levels of our company – products, service, vision. We source our products from the world's finest manufacturers, maintaining our 'quality without compromise' ethos. Our commitment results in the most reliable and competitive package available – when you use our tools you can be assured you are getting the very best the world has to offer.



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