# pro THREAD

**ProThread Kits contain all the necessary tools to repair stripped, worn, or damaged threads in a wide range of materials. Every kit contains premium quality tools and inserts and utilises a high quality carbon steel tap to ensure consistent performance even in multi-hole applications.**

**The range covers the following thread types:**
- **Metric, M3 to M16**
- **UNC No.6 to 3/4" and UNF No.10 to 3/4"**

**The ProThread product range offers**
- Tough and good looking kits – clean, modern, slim-line design of robust construction.
- Kit boxes are stackable – subtly integrated feet interlock top and bottom of cases for secure vertical stacking.
- Full color packaging – in protective recess on front of kit boxes and full colour 4 page inserts in clam shells.
- Simple installation – detailed installation instructions are provided in an "easy to use" leaflet with every repair kit.

**The ProThread range of thread repair kits are ideally suited to a wide range of applications, including**
- Repair and strengthening of threads in various materials such as cast iron, steel, aluminium, other metals and plastics
- Automotive repairs
- Spark plug ports
- Outdoor power equipment
- Motorcycle repairs
- Farm equipment

**ProThread wire insert thread repair provides many benefits over alternative solutions**
- ProThread Kits offer a cost effective method of repairing and strengthening threads
- ProThread stainless steel inserts resist the effects of temperature and corrosion
- ProThread inserts provide a permanent wear resistant internal thread
- The combination of material hardness and the bright surface finish creates internal threads in which wear, due to friction, is virtually eliminated
- Repaired threads are generally stronger than the original parent material thread
- Wire inserts help to compensate for thread and pitch angle errors
- Virtually no stress is introduced into the parent material because there is no locking, keying or swaging
- Returns damaged threads to original thread size
- Increases pull out and torque out strength
- Easy and simple to use

**With ProThread kits you can achieve a professional thread repair with only four simple steps**

**DRILL**
out the damaged thread

**TAP**
a new thread

**INSERT**
the helical wire insert

**SNAP**
off the insert tang

**and you're done!**

detailed step by step instructions are included in every kit

**Full part number listings and merchandising options overleaf**

| diameter / pitch | mm / inch | mm | inch | repair kit box | # inserts | repair kit clam shell | # inserts | replacement inserts | # inserts |
|---|---|---|---|---|---|---|---|---|---|
| **M3**x0.5 | 4.5mm | 3.2 | 1/8 | 3597-305K | 20 | – | – | 3597-305X4.5P | 10 |
| **M4**x0.7 | 6.0mm | 4.2 | 11/64 | 3597-407K | 20 | – | – | 3597-407X6P | 10 |
| **M5**x0.8 | 7.5mm | 5.2 | 13/64 | 3597-508K | 20 | 3598-508K | 3 | 3597-508X7.5P | 10 |
| **M6**x1 | 9.0mm | 6.3 | 1/4 | 3597-61K | 20 | 3598-61K | 3 | 3597-61X9P | 10 |
| **M8**x1.25 | 12.0mm | 8.3 | 21/64 | 3597-8125K | 20 | 3598-8125K | 3 | 3597-8125X12P | 10 |
| **M10**x1.25 | 15.0mm | 10.3 | 13/32 | 3597-10125K | 15 | 3598-10125K | 3 | 3597-10125X15P | 10 |
| **M10**x1.5 | 15.0mm | 10.4 | 13/32 | 3597-1015K | 15 | 3598-1015K | 3 | 3597-1015X15P | 10 |
| **M12**x1.5 | 18.0mm | 12.4 | 31/64 | 3597-1215K | 10 | 3598-1215K | 3 | 3597-1215X18P | 10 |
| **M12**x1.75 | 18.0mm | 12.5 | 31/64 | 3597-12175K | 10 | 3598-12175K | 3 | 3597-12175X18P | 10 |
| **M14**x1.5 | 21.0mm | 14.4 | 9/16 | 3597-1415K | 10 | – | – | 3597-1415X21P | 5 |
| **M14**x2 | 21.0mm | 14.5 | 37/64 | 3597-142K | 10 | – | – | 3597-142X21P | 5 |
| **M16**x2 | 24.0mm | 16.5 | 21/32 | 3597-162K | 10 | – | – | 3597-162X24P | 5 |
| **UNC6**-32 | 0.2070" | 3.7 | #25 | 3597-632K | 20 | 3598-632K | 3 | 3597-632X207P | 10 |
| **UNC8**-32 | 0.2460" | 4.4 | 11/64 | 3597-832K | 20 | 3598-832K | 3 | 3597-832X246P | 10 |
| **UNC10**-24 | 0.2850" | 5.1 | 13/64 | 3597-1024K | 20 | 3598-1024K | 3 | 3597-1024X285P | 10 |
| **UNC1/4**-20 | 0.3750" | 6.7 | 17/64 | 3597-1420K | 20 | 3598-1420K | 3 | 3597-1420X375P | 10 |
| **UNC5/16**-18 | 0.4688" | 8.3 | 21/64 | 3597-51618K | 20 | 3598-51618K | 3 | 3597-51618X469P | 10 |
| **UNC3/8**-16 | 0.5625" | 9.9 | 25/64 | 3597-3816K | 15 | 3598-3816K | 3 | 3597-3816X562P | 10 |
| **UNC7/16**-14 | 0.6563" | 11.6 | 29/64 | 3597-71614K | 10 | 3598-71614K | 3 | 3597-71614X656P | 10 |
| **UNC1/2**-13 | 0.7500" | 13.0 | 33/64 | 3597-1213K | 10 | 3598-1213K | 3 | 3597-1213X750P | 10 |
| **UNC9/16**-12 | 0.8438" | 15.0 | 19/32 | 3597-91612K | 10 | – | – | 3597-91612X844P | 5 |
| **UNC5/8**-11 | 0.9375" | 16.5 | 21/32 | 3597-5811K | 10 | – | – | 3597-5811X937P | 5 |
| **UNC3/4**-10 | 1.1250" | 19.8 | 25/32 | 3597-3410K | 5 | – | – | 3597-3410X1.125P | 5 |
| **UNF10**-32 | 0.2850" | 5.1 | 13/64 | 3597-1032K | 20 | 3598-1032K | 3 | 3597-1032X285P | 10 |
| **UNF1/4**-28 | 0.3750" | 6.6 | 17/64 | 3597-1428K | 20 | 3598-1428K | 3 | 3597-1428X375P | 10 |
| **UNF5/16**-24 | 0.4688" | 8.2 | 21/64 | 3597-51624K | 20 | 3598-51624K | 3 | 3597-51624X469P | 10 |
| **UNF3/8**-24 | 0.5625" | 9.8 | 25/64 | 3597-3824K | 15 | 3598-3824K | 3 | 3597-3824X562P | 10 |
| **UNF7/16**-20 | 0.6563" | 11.5 | 29/64 | 3597-71620K | 10 | 3598-71620K | 3 | 3597-71620X656P | 10 |
| **UNF1/2**-20 | 0.7500" | 13.0 | 33/64 | 3597-1220K | 10 | 3598-1220K | 3 | 3597-1220X750P | 10 |
| **UNF9/16**-18 | 0.8438" | 14.7 | 37/64 | 3597-91618K | 10 | – | – | 3597-91618X844P | 5 |
| **UNF5/8**-18 | 0.9375" | 16.3 | 41/64 | 3597-5818K | 10 | – | – | 3597-5818X937P | 5 |
| **UNF3/4**-16 | 1.1250" | 19.5 | 49/64 | 3597-3416K | 5 | – | – | 3597-3416X1.125P | 5 |
| **SPARK PLUG** | | | | | | | | | |
| **M10**-1 Spark Plug | 0.5000" | not required | not required | 3597-101K | 5 | – | – | 3597-101X1/2P | 10 |
| | 0.339" | | | | 5 | | | 3597-101X3399 | 10 |
| **M12**-1.25 Spark Plug | 0.5000" | not required | not required | 3597-12125K | 5 | 3598-12125K | 2 | 3597-12125X1/2P | 10 |
| | 0.7500" | | | | 5 | | 2 | 3597-12125X3/4P | 10 |
| **M14**-1.25 Spark Plug | 0.3750" | not required | not required | 3597-14125K | 5 | 3598-14125K | 2 | 3597-14125X3/8P | 10 |
| | 0.5000" | | | | 5 | | 2 | 3597-14125X1/2P | 10 |
| | 0.7500" | | | | 5 | | 2 | 3597-14125X3/4P | 10 |
| **PLUG FIX** – SOLID INSERTS | | | | | | | | | |
| **M14**-1.25 Plug Fix | 0.3750" | not required | not required | – | – | 3599-14125K | 2 | 3599-14125CP | 2 |
| | 0.5000" | | | | | | 2 | | 2 |
| | 0.7500" | | | | | | 2 | | 2 |

**The ProThread product range includes a double sided counter top merchandiser which can be converted to hang on slat wall or peg board.**

- Heavy duty powder coated steel construction with movable pegs.
- Full colour double sided backing card.
- Can be customised to hold any combination of kit boxes, kit clam shells and replacement insert clam shell packs.
- Packs flat for ease of transport.

**The ProThread kit program also incorporates a clam shell kit range.**

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# pro THREAD

## PLUG FIX SOLID INSERTS

ProThread Plug Fix solid inserts are a quick and cost effective way to repair damaged taper and gasket seat spark plug ports.

Plug Fix kits are supplied with 3 lengths of solid insert to suit most common spark plug reaches.

**ProThread Plug Fix repair kits contain all the necessary tools to repair stripped, worn, or damaged spark plug ports in a wide range of equipment. Every kit contains premium quality tools and inserts and utilises a high quality carbon steel pilot nose tap to ensure consistent performance even in multi-repair applications.**

**Plug Fix solid inserts are designed for taper and gasket seat spark plug repair. Each Plug Fix repair kit includes 3 lengths of inserts to suit most common spark plug reaches.**

**Plug Fix is ideal for use by garages, workshops, motor vehicle restorers, car enthusiasts and the DIY handyman. The inclusion of a pilot nose tap means there is no need for drilling. Simply tap the hole, wind the insert in and lock it in place using the swaging tool supplied.**

**Additionally the complete ProThread range also includes a wide selection of clam shell and kit box thread repair kits for most popular austomotive aftermarket thread forms and sizes.**

### FEATURES AND BENEFITS

- No drill required
- Solid inserts in 3 lengths to suit most common spark plug reaches
- Suitable for aluminium and cast iron
- Simple, easy to use permanent repair

### APPLICATIONS

- Taper and gasket seat spark plug ports

### IMPORTANT NOTE

It is important that no foreign material enters the combustion chamber. We recommend the head be removed from the engine prior to repair.

**Full part number listings and merchandising options overleaf**

| diameter / pitch | mm / inch | mm | inch | repair kit box | # inserts | repair kit clam shell | # inserts | replacement inserts | # inserts |
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| | 0.339" | | | | 5 | | | 3597-101X3399 | 10 |
| **M12**-1.25 Spark Plug | 0.5000" | not required | not required | 3597-12125K | 5 | 3598-12125K | 2 | 3597-12125X1/2P | 10 |
| | 0.7500" | | | | 5 | | 2 | 3597-12125X3/4P | 10 |
| **M14**-1.25 Spark Plug | 0.3750" | not required | not required | 3597-14125K | 5 | 3598-14125K | 2 | 3597-14125X3/8P | 10 |
| | 0.5000" | | | | 5 | | 2 | 3597-14125X1/2P | 10 |
| | 0.7500" | | | | 5 | | 2 | 3597-14125X3/4P | 10 |
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| | 0.5000" | | | | | | 2 | | 2 |
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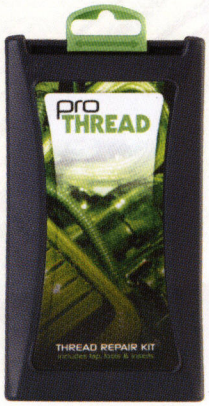
**The ProThread kit program also includes a kit box range.**

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