Nes - Thread Repair tools for Large Diameter Threads

Thread measurements is not needed – Nes. Easily find the right thread diameter & Pitch

Nes applies to all thread standards - Inch, Metric, Whitworth, LH, RH, Coarse, Fine & pipes

Specially strengthen
Manufacturing design to stand the force when repairing larger threads
Who are we?
Nes is a worldwide industry leader in the manufacturing of thread repair tools headquartered in Jerusalem, Israel. Established in 1986, Nes has always used cutting edge technology and the best equipment to produce its high quality tools. Nes is an ISO 9001 certified company and all of our production lines are closely monitored, enabling us to ensure that each and every tool produced matches our top quality standards. The high quality of our tools, paired with their unique innovations, continue to drive Nes’s success in today’s marketplace.

Nes thread repair tools are specially designed to repair any defective thread, both internal and external.

The Nes Mission
At Nes, we have always strived to keep close relationships with our customers. We maintain close contact with the end users of our tools, learning about their ongoing technical assignments and how we can assist them in completing these tasks more effectively. We strive to help our customers by supplying them with tools that enable them to achieve the best results both quickly and professionally. Interaction with end users has provided us with valuable knowledge about the realities of repairing damaged threads. Our Research and Development department works closely with our Marketing department to bring better solutions to our customers.

We serve our customers through a global marketing network of partners and distributors that covers a wide variety of markets, including: Industry Maintenance - MRO, Automotive, Marine & Offshore, Oil & Gas industries, Petrochemicals, Mining, HVAC, Welding, Agricultural Machinery, Construction and DIY users. Our complete line of Universal Thread Repair Tools offers simple, unique solutions to a common problem that frequently troubles tradesmen of all sorts. Our primary objective is to provide our customers with the most innovative, high quality thread repair tools on the market in combination with the best customer service around. Our job is to make your job easier & faster!

Our tools are extremely easy to use. Universal in both diameter and pitch, they provide the user with a quick, easy solution to any thread defect – all for a great price. Nes products appeal to anyone who has experienced problematic, defective threads and have long sought a simple, cost effective solution to repair them. Our internal and external thread restorers have proven to be the ideal tools for a multitude of different jobs, from Industrial maintenance use to automotive repair, Mining to Oil & Gas equipment restore, Agriculture machinery to plumbing users and many more. Over the past three decades, Nes has set a new standard in thread repair tools.

Nes - Thread Repair tools for Large Diameter Threads

The maintenance of large diameter threads can be quite complicated and rather costly. Due to their larger size and weight, it is often difficult to work on the damaged threads at a workbench or on a table. The repairs have to be conducted on the spot. Furthermore, the larger diameters result in larger tools which require larger clearance to complete the repair. Traditionally, one would dismantle the entire part, bring it to the workshop and rethread it there. Oftentimes this may not be feasible to do by hand, subsequently requiring expensive power tools. Alternatively, one could use a thread file and quite a bit of elbow grease. Both of these methods are aggravatingly arduous and time consuming.

Luckily, Nes has an easy and cost effective solution to the problem of repairing large diameter threads. Our internal and external thread repair tools slide into the thread and adjust to its diameter and pitch automatically. A couple rotations and boom, fixed with barely any effort! Nes thread repair tools don’t only reduces the time and effort put into the job, they also save you some serious money. You no longer any need to spend large quantities on taps, dies or power tools as the Nes internal and external thread repair tools can do it all with perfect results every time!

- Automatically adjust to the thread diameter and pitch- no prior measurement of the thread needed
- Can be used on left-hand or right-hand threads
- Both inch and metric, coarse and fine
- Able to do what taps and dies cannot, such as repairing a component that is damaged at the end of the thread
- Internal and External thread restorers have the capability to enter BELOW the damaged area and work outwards to complete the repair
- High quality cutting tool steel Blades (internal Nes blades – HSS, external Nes blades - O1) guided by the undamaged section of thread in order to re-groove the damaged section

Nes Internal Instructions

1. Turn knurled knob (K) to fully retract the blade (B) into the housing (H). Insert Nes tool into the threaded hole or bore to the repaired.
2. Turn knob (K) to extend blade (B) into a thread groove on an undamaged section and tighten – by hand only.
3. Rotate Nes by the cross-rod, as shown, in the desired direction.

Nes External Instructions

1. Open
   - Turn handle (H) to raise blades (A+B). Place Nes over bolt to be repaired.
2. Close
   - Turn handle (H) to lower blades (A+B) into grooves of thread and tighten.
3. Rotate
   - Rotate Nes3 in direction of the arrow only.
**INTERNAL TOOLS**

**Nes 25** cat # 07251  
Repair diameter Range 1¼”-2¼” M32- M54

<table>
<thead>
<tr>
<th>Nes 25</th>
<th>ID Range</th>
<th>Pipes</th>
<th>L</th>
<th>B</th>
<th>H</th>
<th>ROD</th>
<th>Ør</th>
<th>ØR</th>
<th>Package Size</th>
<th>Weight</th>
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<tr>
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<td>1¼-2¼</td>
<td>¼-½</td>
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<td>3½</td>
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<td>mm</td>
<td>32-54</td>
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<td>190</td>
<td>35</td>
<td>62</td>
<td>208</td>
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**Nes 26** cat # 07263 (the tool includes Nes 25)  
Repair diameter Range 1¼”-2½” M32- M68

<table>
<thead>
<tr>
<th>Nes 26</th>
<th>ID Range</th>
<th>Pipes</th>
<th>L</th>
<th>B</th>
<th>H</th>
<th>ROD</th>
<th>Ør</th>
<th>ØR</th>
<th>Package Size</th>
<th>Weight</th>
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<tbody>
<tr>
<td>inch</td>
<td>1¼-2½</td>
<td>½-2</td>
<td>6½</td>
<td>1½</td>
<td>3½</td>
<td>7½</td>
<td>2½</td>
<td>8½</td>
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<td>2.4</td>
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<tr>
<td>mm</td>
<td>32-68</td>
<td>163</td>
<td>50</td>
<td>92</td>
<td>192</td>
<td>41</td>
<td>70</td>
<td>208</td>
<td>2.27</td>
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**Available accessories:**

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<th>Range</th>
<th>Remark</th>
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<tbody>
<tr>
<td>Attachable sleeve 25</td>
<td>1¼” (32mm) (44mm)</td>
<td>Included</td>
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</table>

**Replacement Blades**

**Recommended for -**
- Large internal threads in:  
  - Oil & Gas production & pipelines  
  - Mining Industry  
  - Large Truck & heavy soil moving equipment  
  - Large production machinery
**Nes 3** cat # 03000

**Repair diameter Range**

1\(\frac{3}{4}\)" - 6" M35 - M152

- Nes 3 reduces time and efforts in ongoing maintenance job, Nes 3 repair threads a lot faster than any other tool & method.
- Nes 3 replace hundreds of very expensive large Dies
- Self adjusting to any pitch and measurement within large diameter range 1\(\frac{3}{4}\)" - 6" 35mm – 152mm
- Apply to all thread standards - Inch, Metric, Whit worth, LH, RH, Coarse, Fine & pipes

- In cases of stepped shaft where the thread diameter is smaller than the shaft, Nes 3 can fix up to the last 2mm from thread end.

- The combination with multi-teeth cutting blade and/or Keyway Skip Accessory makes your repairing out come easy and perfect even on threads with keyway.

### Keyway Skip accessory cat # 03101

Keyway Skip accessory present a perfect solution for repairing threads with Keyway, slots, grooves & channels. It enables a smooth glide over these obstacles and yet repairs any damage in the thread itself. Choosing the appropriate MULTI THEETH blade will provide an easy & simple to use repairing process.

**Table of sizes**

<table>
<thead>
<tr>
<th>NES 3</th>
<th>DD Range</th>
<th>Pipes</th>
<th>L</th>
<th>W</th>
<th>H</th>
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<th>Weight</th>
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<tr>
<td>inch</td>
<td>(\frac{1}{4}) - 1(\frac{3}{4})</td>
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<td>1(\frac{1}{4})</td>
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<td>mm</td>
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**Replacement Blades**

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<thead>
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<th>Cat. no#</th>
<th>Part Name</th>
<th>Part no#</th>
<th>Description</th>
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<td></td>
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<tr>
<td></td>
<td>03010</td>
<td>RX 360°C</td>
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<td>Fitted as standard</td>
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<td>RX 360°F</td>
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<td>03012</td>
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<td></td>
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<td>RX 350°C</td>
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<td>Comply to British standard threads</td>
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<td>03021</td>
<td>RX 350°C</td>
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<td>03022</td>
<td>RX 350°C</td>
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<td>For threads finer than 14 TPI or 1.75mm</td>
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**Multi-teeth cutting blade**

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<th>Part Name</th>
<th>Part no#</th>
<th>Description</th>
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<td></td>
<td>03032</td>
<td>RX 360°</td>
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<td>Pitch 1.0mm</td>
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<td></td>
<td>03033</td>
<td>RX 360°</td>
<td></td>
<td>Pitch 1.5mm</td>
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<td></td>
<td>03034</td>
<td>RX 360°</td>
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<td>Pitch 1.75mm</td>
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<td>03034</td>
<td>RX 360°</td>
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<td>Pitch 2.4 TPI</td>
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<td>03035</td>
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<td>Pitch 4 TPI</td>
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</table>

**Recommended for -**

- Large external threads in:
  - Mining Industry
  - Oil & Gas production & pipelines
  - Large production machinery
  - Large Truck & Busses
  - Heavy soil moving equipment

**More Nes Thread repair tools**

**External**

- Nes 1A
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M4 - M18
  - cat # 06001
- Nes 21
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M8 - M11
  - cat # 07210
- Nes 22
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M12 - M16
  - cat # 07220
- Nes 23
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M16 - M20
  - cat # 07230
- Nes 24
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M22 - M32
  - cat # 07240

**Internal**

- Nes 1B
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M4 - M18
  - cat # 06010
- Nes 12
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M8 - M11
  - cat # 07210
- Nes 13
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M12 - M16
  - cat # 07220
- Nes 14
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M16 - M20
  - cat # 07230
- Nes 15
  - \(\frac{3}{4}\)"-\(\frac{3}{8}\)" M22 - M32
  - cat # 07240

*All blades are available in 50° - request your dealer for special needs.*
Combination sets

1015

1017

1025

Internal sets

1007

1008

1036

External sets

1000

1300

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