

TOPEX®

SKU:TXTD118P042

TX042

OWNER'S MANUAL

118PCS TAP AND DIE SET

















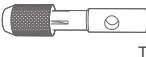

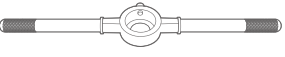

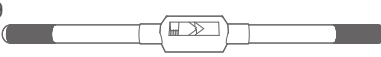




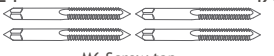
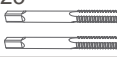
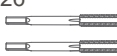
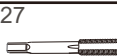
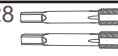
Thank you for buying this **118PCS TAP AND DIE SET!**
Please read this manual carefully before using the product.

WWW.TOPEXTOOLS.COM.AU


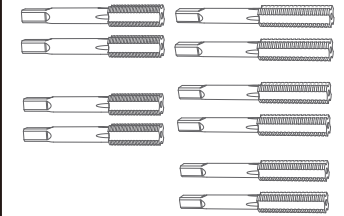
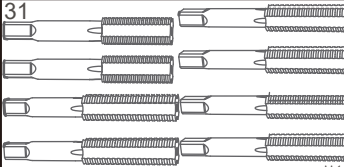
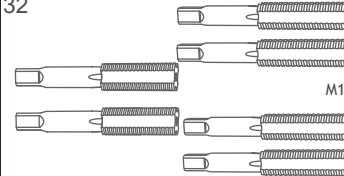
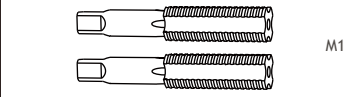




version 20250103

PARTS LIST

1  M2 Threading die	1X	2  M3 Threading die	1X	3  M4 Threading die	1X
4  M5 Threading die	1X	5  M6 Threading die		2X	
6  M7 Threading die		2X			
7  M8 Threading die		3X			
8  M9 Threading die		3X			
9  M10 Threading die		4X			
10  M11 Threading die		4X			
11  M12 Threading die		5X			
12  M18 Threading die	1X	13  M14 Threading die		4X	

14  M16 Threading die		3X			
15  T-Tap wrench		2X			
16  M3-M12 Tap wrench		1X			
17  M2-M11 Die handle		1X			
18  M2-M18 Die handle		1X			
19  M6-M18 Tap wrench		1X			
20  M2 Screw tap	2X	21  M3 Screw tap	2X	22  M4 Screw tap	2X
23  M5 Screw tap	2X	24  M6 Screw tap			4X
25  M7 Screw tap		4X			
26  M8 Screw tap		6X			
27  M9 Screw tap		6X			
28  M10 Screw tap		8X			

PARTS LIST

29		8X
	M11 Screw tap	
30		10X
	M12 Screw tap	
31		8X
	M14 Screw tap	
32		6X
	M16 Screw tap	
33		2X
	M18 Screw tap	
34		4X
	Twist drill	
35		2X
	Brush	
36		1X
	Screwdriver	
37		1X
	Box	

INSTRUCTION

Please read this instruction manual thoroughly before using the product. Familiarize yourself with its functions and basic operation. Service the product as per the instructions to prolong its service life.

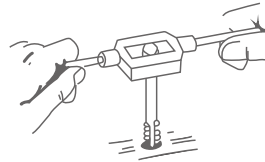


OPERATION

Please read this instruction manual thoroughly before using the product. Familiarize yourself with its functions and basic operation. Service the product as per the instructions to prolong its service life.

TAPS

Taps are used to create INTERNAL threads on the inside surface. Remember to apply appropriate lubricant to the tools as well as the workpiece during the whole process of threading.



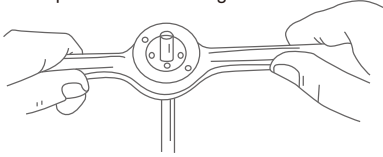
1. Drill a correctly sized hole on the workpiece. An over-sized hole would result in shallow threads, whereas an under-sized hole would overload the tap and cause undue damage. Please refer to the size information indicated on each tap before commencing drilling.
2. Then apply some lubricant to the tip of the tap as well as the workpiece.
3. Rest the tap in the drilled hole and grasp the tap wrench with two hands. Apply moderate pressure and turn the wrench clockwise until the tap begins to bite into the workpiece. Hold the tap perpendicular to the workpiece all the time.
4. Continue turning the wrench until your desired length of threads have been cut.

NOTE

During the whole process, chips are formed. Do reverse the wrench after every $\frac{1}{4}$ to $\frac{1}{2}$ turn, depending on the hardness of the material, to help break off and clear the chips away from the threading area. When creating a thread in a blind hole, leave a certain clearance at the bottom for chips and use the same instructions as above.

DIES

Dies are used to create EXTERNAL threads on the outside surface. Remember to apply appropriate lubricant to the tools as well as the workpiece during the whole process of threading.



1. Bevel one end of the workpiece that is to be threaded in order to make an easier start.
2. Then apply some lubricant to the die as well as the workpiece.
3. Place the die onto the chamfered end of the workpiece. Apply moderate pressure and turn the handle clockwise until the die begins to bite into the workpiece. Hold the die perpendicular to the workpiece all the time.
4. Continue turning the handle until your desired length of threads have been cut.

DIES

Handle after every $\frac{1}{4}$ to $\frac{1}{2}$ turn, depending on the hardness of the material, to help break off and clear the chips away from the holes.

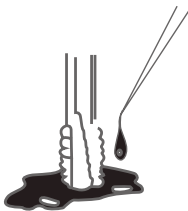
MAINTENANCE

LUBRICATION

Using the appropriate lubricant will help you with a smoother, cleaner and more accurate threading experience and extend the service life of your tool as well.

Please familiarize yourself with the below information of lubrication.

Steel	Cutting oil, lard oil
Cast Iron	Dry or air blast
Aluminium	Kerosene or Kerosene lightly mixed with lard oil
Brass, Magnesium, Zinc	Kerosene
Bakelite	Dry
Hard Rubber	Dry
Bronze	Kerosene or Kerosene mixed with lard oil
Stainless Steel	Kerosene mixed with lard oil



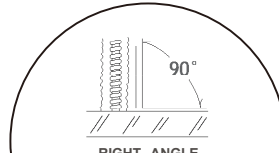
THREAD RENEWING

Damaged or rusty threads can be renewed easily by using the taps and dies in this set. Make sure that you have selected the correct tap or die.

While renewing threads, pay special attention to the original threads to avoid cross-threading. Meanwhile make sure that the above instructions are followed and that care is taken.

WARNING

KEEP CHILDREN AWAY FROM THE WORKING AREA.



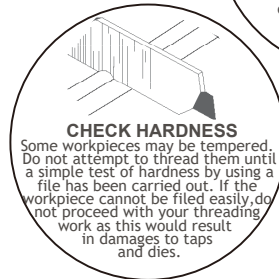
RIGHT ANGLE

While threading, the tap or die shall be held perpendicularly to the workpiece all the time, to ensure that straight and accurate threads have been processed.



SAFETY GLASSES

Always wear safety glasses or other approved types of protective eyewear while using the product.



CHECK HARDNESS

Some workpieces may be tempered. Do not attempt to thread them until a simple test of hardness by using a file has been carried out. If the workpiece cannot be filed easily, do not proceed with your threading work as this would result in damages to taps and dies.

CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

WARRANTY POLICY

12-Month Standard Warranty

We are committed to ensuring the quality and reliability of our products. All TOPEX items come with a standard 12-month warranty from the date of purchase, covering defects in materials and workmanship.



What Our Warranty Covers

- Material and manufacturing defects under normal use
- Repair or replacement of defective products at our discretion

Exclusions

- Normal wear and tear
- Damage caused by misuse or unauthorized modifications
- Incidental or consequential damages

How to Claim

To make a warranty claim, please scan the QR code below and complete the online form with your proof of purchase and a description of the issue. We may require the product to be returned for inspection.



Warranty Extension

For added peace of mind, you can extend your warranty by an additional year by joining the TOPEX community (batteries and chargers do not apply).

JOIN US