

TOTAL

One-Stop Tools Station

TOTAL

MINI GRINDER

TG501032, UTG501032, TG501032-4



EN Mini Grinder

ES mini taladro



130W

Safety Instructions

To ensure safe operation when using your Rotary Tool, make sure you follow basic safety principles to reduce risk of personal injury, electric shock, and fire.

Please read the following instructions prior to operating this product and keep for future use.

1. **Beware Children**
Do not let children handle the tool. All onlookers should be away from your work area.
2. **Guard Against Electric Shock**
Keep the tool clear of the cable while working. Do not work on or near "live" equipment or services.
3. **Work Environment**
Do not use the tool in damp or wet areas. Do not use near flammable gases or liquids.
4. **Personal Safety**
For your own safety, wear safety glasses or goggles. Tie back long hair. Use ear protectors especially in confined areas. Keep fingers, etc. clear of the moving parts whilst in use.
5. **Clothing**
Avoid wearing loose clothing or jewellery to prevent these being caught in moving parts.
6. **Do not force the tool**
It will do a better job and safer at the rate for which it was intended.
7. **Look after the tool**
When not in use store in a dry, high place or keep locked up out of children's reach. Use the tool only for its intended purposes.
8. **Protect the Cable**
Do not carry the tool by the cable or pull the cable to remove the plug from the mains socket. Protect the cable from sharp objects, heat and oil; have it replaced if damaged.
9. **Check Before Use**
Always ensure that the tool and cable are not damaged.
10. **Maintain tools with care**
Inspect tool cord and extension leads periodically for damage, if damaged have repair carried out by an authorised dealer.
11. **Disconnect Tools**
When not in use or changing the tools always disconnect from mains supply.
12. **Avoid unintentional starting**
Ensure switch on tool is off before plugging in.


13. Do not use tool when tired.
14. Check that tool is not damaged.
Before use check there is no damage to tool, if in doubt have tool checked over by an authorised dealer.
15. **Repairs**
Always have repairs carried out by a qualified person for your safety.

Important notes



Remove the mains plug from socket before carrying out any adjustment or servicing.

Important additional safety notes for your rotary tool.

16. Do not use damaged/worn or unshaped tools.
17. Do not use tools with bent shafts.
18. The tool is designed for light and intricate work do not use for heavy work as you may damage the tool.
19. Check the collet nut frequently for tightness, especially if using the tool at very high speed.
20. Use only the accessories supplied or recommended by your dealer, other accessories may risk personal injury.
21. Use correct speed, see page 6.
22. Clean ventilation slots after use.
23. Do not run the tool with any part of the casing missing or damaged.
24.  Always wear eye protection with this tool.



Warning: Harmful/toxic dusts will arise from sanding e.g. Lead painted surfaces, woods and metals. Contact with or inhalation of these dusts can endanger the health of operator and bystanders.

Safety Instructions

24. Keep work area clean.

Cluttered areas and benches invite injuries.

25. Remove adjusting keys and wrenches.

Form the habit of checking to see that wrenches are removed from the tool before turning it on.

26. Ensure that the abrasive product is correctly mounted and tightened before use and run the tool at no-load for 30 s in a safe position, stop immediately if there is considerable vibration or if other defects are detected. If this condition occurs, check the machine to determine the cause;

27. Check that the work piece is properly supported;

28. The wheel continues to rotate after the tool is switched off.

29. Inspect the grinding wheel before use, do not use chipped, cracked or otherwise defective products;

SYMBOLS



Read the manual



Warning



Wear eye protection



Wear dust mask



Wear ear protection



Wear gloves



WEEE marking



Parts List & Specification

Parts List

- | | | | |
|---|---------------------|---|----------------|
| 1 | Collet Nut | 4 | Speed Selector |
| 2 | Spindle Lock Button | 5 | Power Cable |
| 3 | Carbon Brush Holder | 6 | On/Off Switch |

Accessories

- 1 with 100pcs Accessories
- 2 with 1pcs Flexible Shaft
- 3 with 1set carbon brushes



Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Specifications & Operation Instructions

Technical Specifications

Model No.	TG501032	UTG501032	TG501032-4(IRAM Plug)
Rated power input	130W	130W	130W
Rated voltage	220-240V~50Hz/60Hz	110-120V~50/60Hz	220-240V~50Hz/60Hz
No-load speed	10000-32000/min	10000-32000/min	10000-32000/min
Max.collet diameter	3.2mm	1/8"	3.2mm

OPERATION INSTRUCTIONS

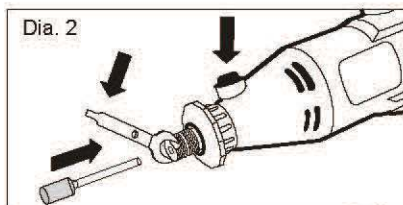
Your rotary tool has been designed for Drilling, Cutting, Sanding, Grinding, Routing and Polishing of Wood, Metal, Plastic and Stone. The tool is designed for light work, such as engraving, model making, hobby work etc. The tool should not be used for 'heavy' work otherwise damage may result.



ALWAYS UNPLUG THE TOOL BEFORE FITTING/CHANGING ACCESSORY OR REPLACING THE COLLET

Fitting an accessory (See dia 2 &3)

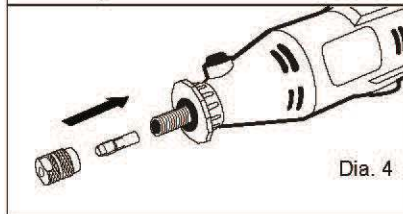
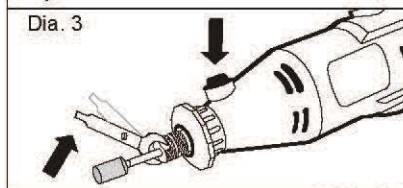
- Keep the spindle lock button depressed.
- Use the spanner to slacken the collet nut.
- Insert the shaft of the accessory into the collet nut.
- Use the spanner to lightly tighten the collet nut (do not over tighten), see dia 3.



Replacing the collet (See dia 4)

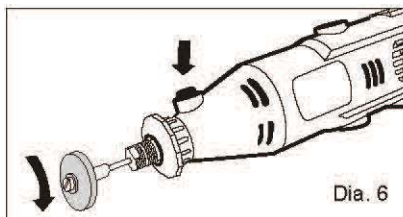
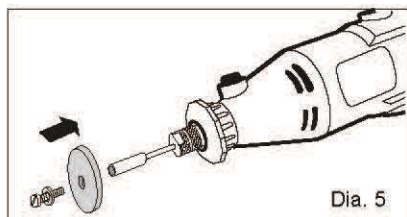
When using an accessory with a smaller or larger shaft, i.e: drills, you will need to change the collet as detailed below:

- Keep the spindle lock button depressed.
- Use the spanner to slacken the collet nut.
- Remove the collet nut and old collet.
- Locate the new collet.
- Restore the collet nut.
- Release the spindle lock button.



Fitting a cutting/sanding disc.

- Use the disc holder (part 12, dia 1).
- Locate mandrel as detailed earlier.
- Unscrew small screw on top of holder.
- Insert screw through disc and screw into mandrel, do not over tighten, otherwise the disc may crack, see dia 5 & 6.

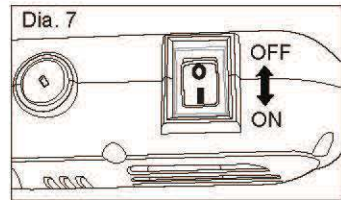


Operation Instructions & Maintenance

Switching On and Off

Caution : Set to slowest speed before switching on.

- To switch the tool on, set on/off switch to position 'I', see dia7.
- To switch the tool off, set on/off switch to position 'O'.

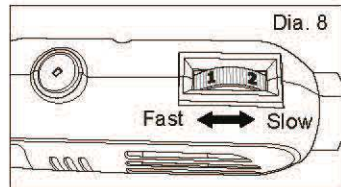


Setting the speed

The tool has a variable speed control for precise speed adjustment. High performance is achieved by correct speed setting and not high pressure. Set the speed selector to the required speed, see dia 8.

Note: Choose a low speed when working with wood, plastics and polishing.

Generally speaking, use the small tools at high speed and the larger tools at slower speed.



Holding the tool

For milling or engraving hold the tool like a pen, take care not to cover the ventilation slots.

Note: The tool gets warm during normal operation.

Observe the rated operating time.

MAINTENANCE

Warning! Ensure the rotary tool is disconnected from the mains power before attempting any maintenance.

Replacing the carbon brushes

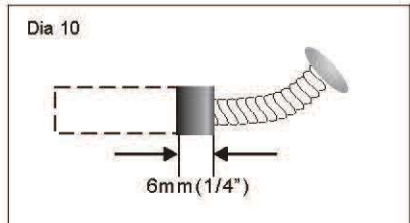
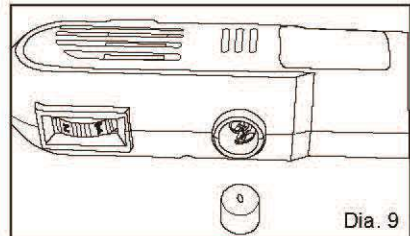
The carbon brushes must be checked on a regular basis. There are two brushes on the tool, (see Dia 9), and they must be replaced in pairs.

Remove the carbon brush holders, using a small flat blade screwdriver and check the brushes.

If the length of brush less than 6mm, replace both brushes, let the machine run at no load for 15 minutes. (See Dia 10)

Use only the correct type of carbon brushes.

Note: No spare brush with this tool, if need call Help line.



Cleaning

Regularly clean the ventilation slots.

Use only mild soap and a damp cloth to clean the tool.

Many household cleansers contain chemicals that could seriously damage the plastic. Do Not use petrol, turpentine, lacquer, paint thinners or similar product on any part of the tool.



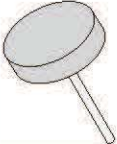


Do Not get any liquid inside the tool and never immerse any part of the tool into liquid.

Using Accessories

The chart below lists the description, use speed and scope for some of the small articles supplied together with the tool by category. To achieve best performance of the tool, it is strongly recommended that you read it prior to operation, failure to adhere to this may cause accessories to fail.

NOTE!

ALWAYS: Wear eye protection
 Insert the shaft FULLY into the collet
 Use ONLY up to the speeds stated below

TOOL	DESCRIPTION	SPEED	FOR USE ON:
	Grinding Stones Various head styles, on shafts	Full speed 30,000 rpm	Metal Mild steel
	Diamond Bits Various head styles	Full speed 30,000 rpm	Wood Zinc Plastic Nickel Copper Mild steel Aluminium Metal
	Polishing Wheel Mounted to polishing wheel holder (item 14, dia 1)	Half speed 15,000 rpm	Metal Mild steel
	Sanding/Cutting Discs Mounted to tool holder (item 12, dia1) Note: DO NOT over tighten screw	Half speed 15,000 rpm	Metal Mild steel Wood
	Sanding Drum Mounted on drum holder	Full speed 30,000 rpm	Metal Mild steel
	Note: To fit the drum, firstly loosen the small screw on top of the drum holder this will allow the rubber to relax. Slide the sanding drum onto the holder. To secure, simply tighten the screw and the rubber drum will swell, gripping the sanding drum.		

Lista de partes

- | | |
|--------------------------------|-----------------------------------|
| 1 Tuerca collet | 4 Selector de velocidad |
| 2 Boton de pare de giro | 5 Cable de poder |
| 3 Soporte de brocha de carbono | 6 Interruptor encendido / apagado |

Accesorios

- 1 con 100pcs Accesorios (TG501032,UTG501032)
- 2 con 1pcs Eje flexible
- 3 con 1 set Juego de carbones



Proteccion medioambiental



Recicle los materiales indeseados en vez de disponer de ellos como basura. Todas las herramientas y el empaquetado se deben clasificar, llevar al centro de reciclaje local y disponer de una manera ambientalmente segura

Especificaciones técnicas

Model No.	TG501032	UTG501032	TG501032(IRAM Plug)
Wattage	130W	130W	130W
Voltage	220-240V~50Hz/60Hz	110-120V~50/60Hz	220-240V~50Hz/60Hz
Velocidad sin carga	10000-32000/min	10000-32000/min	10000-32000/min
Tamaño máximo collet	3.2mm	1/8"	3.2mm

INSTRUCCIONES DE OPERACION

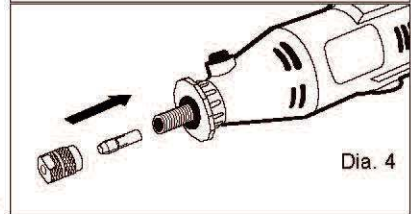
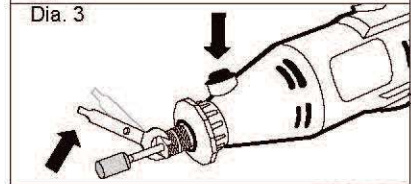
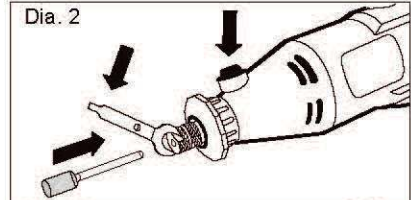
Su herramienta de rotación ha sido diseñada para la perforación, corte, lijado, trituración, enrutamiento y pulido de madera, metal, plástico y piedra. La herramienta está diseñada para los trabajos ligeros, como el grabado, modelo, etc pasatiempo. La herramienta no debe utilizarse para trabajo pesado de otro modo puede resultar dañada.



DESCONECTE SIEMPRE LA HERRAMIENTA ANTES DE INSTALACIÓN / CAMBIO ACCESORIO O SUSTITUCIÓN DE LOS COLLET

Colocando un accesorio (ver dia 2 &3)

Mantenga el botón de bloqueo de husillo.
Usar la llave para aflojar la tuerca Collet.
Insertar el eje del accesorio en la tuerca Collet.
Usar la llave para apretar ligeramente el tuerca Collet (no apriete en exceso), véase el dia 3'v



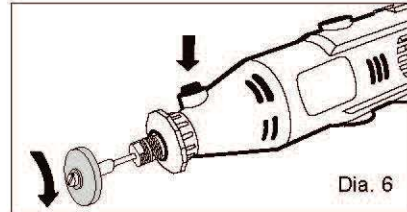
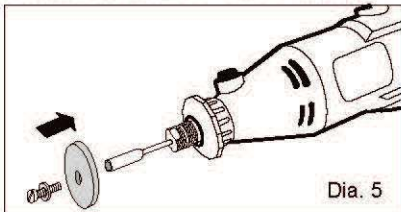
Reemplazando la collet (ver dia 4)

Al usar un accesorio con un eje más pequeño o un eje más grande, es decir: los taladros, usted necesitará cambiar el collar según lo detallado abajo:

- Mantenga el botón de bloqueo de uso.
- Usar la llave para aflojar la tuerca Collet.
- Retire la tuerca y el Collet viejo
- Busque el nuevo collet.
- Restaurar el collar tuerca.
- Suelte el botón de bloqueo de uso.

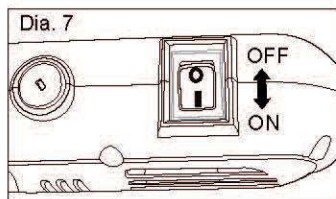
Colocando disco de corte / lijado

- Utilice el sostenedor/titular de disco (parte 12, dia 1).
- Busque mandril como se detalla anteriormente.
- Desenrosque el pequeño tornillo en la parte superior del titular.
- Inserte el tornillo a través de disco y tornillo en mandril, no apriete en exceso, de lo contrario el disco puede quebrarse, véase el dia 5 y 6.



Cambiando de encendido a apagado.

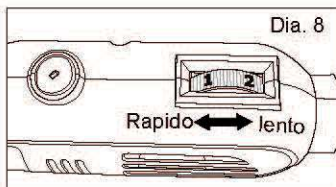
Precaución: Ajuste a la velocidad más lenta, antes de prenderla. Para poner la herramienta en encendido poner en 'I', véase dia7. Para cambiar la herramienta a apagado, marcalo en posición «O»



Ajustando la velocidad

La herramienta tiene un control de velocidad variable para una velocidad precisa de ajuste. El alto rendimiento es alcanzado por una correcta configuración de velocidad y no de alta presión. Ajuste el selector de velocidad a la necesaria velocidad, véase el dia 8.

Nota: Elija a baja velocidad cuando se trabaja con madera, plásticos y el pulido. En términos generales, el uso de herramientas pequeñas con alto velocidad y las grandes herramientas a velocidad lenta.



Cogiendo la herramienta

Para moler o grabar el asimiento, sostener la herramienta como un lapicero, tome el cuidado para no cubrir las ranuras de la ventilación..

Nota: La herramienta se calienta durante el funcionamiento normal.

Observe el tiempo de funcionamiento nominal

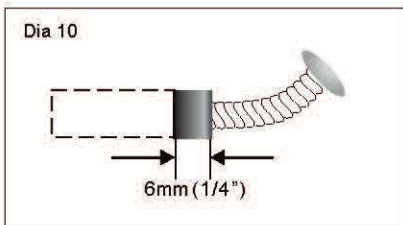
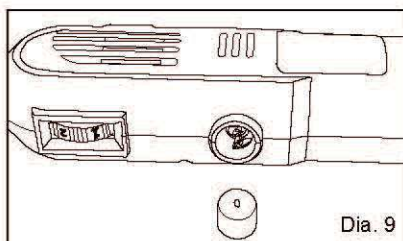
MANTENIMIENTO

¡Advertencia! Asegúrese de que la herramienta se encuentra desconectada de la red eléctrica antes de intentar cualquier mantenimiento.

Sustitución de los cepillos de carbono

Los cepillos de carbono debe ser verificados en una base regular. Hay dos pinceles sobre la herramienta, (véase el Dia 9), que deberían ser reemplazados en pares. Retire el cepillo de los titulares de carbono, utilizando un pequeño destornillador de hoja plana y comprobar los cepillos. Si la longitud de cepillo es menor de 6 mm, sustituir escobillas, deje que la máquina ejecute en vacío durante 15 minutos. (Ver Día 10) Use sólo el tipo de cepillos de carbono.

Nota: No escatimar con la herramienta pincel, si es necesario visitar un proveedor calificado



Limpieza

Limpiar regularmente las ranuras de ventilación. Utilice únicamente jabón suave y un paño húmedo para limpiar la herramienta. Muchos hogares de limpieza contienen productos químicos que podrían dañar seriamente el plástico. No utilice gasolina, trementina, laca, pintura o producto similar en cualquier parte de la herramienta. No derramar ningún líquido en el interior de la herramienta y nunca sumerja ninguna parte de la herramienta.