

Wire-Wrap Tool 14YB3



Description:

The Wire-Wrap Tool 14YB3 is equipped with a security insulation and is powered by 230V mains power. The universal motor has a ball bearing on both sides. The carbon brushes are replaceable. The tool yields an interference suppression of 12 dB below EMI class N; thus it is suitable for application with telecommunication devices. The index angle can be adjusted without tools in steps of 45° after loosening the adjustment nut, allowing for adaptation to the handling of the wires and their outgoing direction. The wrap bits and sleeves can also be exchanged without tools. While model 29315AA3 has a rigid shaft drive, model 29317AA8 is equipped with a spring-suspended shaft drive where the wrap pawl is displaced axially against the spring pressure during the wrap process. Wrap bits and sleeves are available for all current wires and wrap pawls. Wires from AWG 30 to AWG 22 can be processed with CSW bits (for combined cutting and stripping). The wrap bits and sleeves are not included in standard delivery and have to be ordered separately.

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| Power supply: | 230V, 50-60 Hz |
| Power consumption: | 30 W |
| Intermittent operation: | 2 sec. On / 18 sec. Off |
| Wrapping range: | AWG 30 to AWG 18 |
| Fuse: | 315 mA slow |
| EMI suppression: | 12 dB below class N |

Operation:

For the installation of the wrap bit and the sleeve, the nut has to be loosened. First insert the wrap bit into the collet, then the sleeve. The sleeve has to

- electric tool or the cable. Other people should not be standing in the work area.
- Ensure that electrical tools are always safely stored. Electric tools that are not being used must be stored in a dry, high place, well out of reach of children or in a locked place.
- Do not overload the electric tool. Always work within the specified performance range.
- Always use the correct electric tool. The wire-wrap tool should only be used to produce wire-wrap connections within the specified application range.
- Wear suitable work clothes.
- Never use cables for purposes for which they were not intended. Never carry electric tools by their cable. Never pull the cable to disconnect the plug from the mains socket. Protect the cable from heat, oil and sharp edges.
- Avoid abnormal positions of the body. Ensure that you have a firm stand and that you can keep your balance at all times.
- Maintain electric tools with the utmost care. Replace spent wrap bits and wrap sleeves. Observe the safety instructions and warnings when changing tools. Check the cable of the electric tool regularly and have it immediately replaced by an authorized specialist if it is found to be damaged. Extension cables must also be regularly inspected for damage. Handles must always be kept dry and free of oil and grease.
- Always disconnect the plug from the mains socket when the electric tool is not being used and prior to maintenance work or tool changing.
- Prevent accidental starting. Electric tools that are connected to the power supply must never be carried with the finger on the switch.
- Using extension cables outdoors: Only use extension cables that have been specifically approved for outdoor use and are identified accordingly.
- Always concentrate on your work and pay attention to what you are doing. Do not allow yourself to be distracted. Adopt a common sense approach to your work. Never use the electric tool if you cannot concentrate.
- Carefully examine the electric tool for possible damage. Check the perfect and proper performance of the electric tool prior to its use. Damaged parts and switches must be replaced by an authorized servicing workshop. Never use an electric tool that cannot be properly turned on and off by its switch.

locked into the retention pin. Then fasten the nut manually while the tool is operating. If you want to change the index angle, loosen the adjustment nut and rotate the whole collet assembly into the desired position.

Maintenance:

Disconnect mains power plug before carrying out any maintenance work. The assembly of the tool has to be performed as shown in the exploded view. When mounting it is important to align motor and gearing carefully. The planetary gearing and the slip friction clutch have to be lubricated after each dismantling with grease type ESSO BACON 2. For replacing the carbon brushes lift the spring clips, replace the used brushes by new ones and put the spring back into place.

Safety notice:

WARNING! The following *basic* safety rules and measures must be observed to prevent electrical shocks, injury and fire hazards when working with electrical tools. Please read these safety instructions carefully *before* you use this electric tool. Keep these safety instructions in a convenient place for immediate reference.

Safe work:

- Keep your work place tidy. Untidy work areas increase the risk of accidents.
- Take environmental factors into account. Do not expose electrical tools to rain. Do not use electrical tools in a moist or damp environment or in the vicinity of flammable liquids and gases.
- Protect yourself against electrical shocks. Avoid body contact with earthed parts such as pipes, radiators, stoves, refrigerators, etc.
- Keep tools well away from children. Do not allow other people to touch the

- Warning! Only use the accessories listed in the operating instructions. The use of other accessories can only result in the risk of injury.
- This electric tool conforms with the requisite safety regulations. Repairs must only be completed by authorized electrical specialists. Only use original spare parts, otherwise the risk of accidents for the user will be greatly increased.

Accessories:

For wrap bits and sleeves refer to the Wire-Wrap Catalogue.

Extent of delivery:

The tool is delivered without accessories.

Exploded view: see page 9.