

Yato | Code YT-820502 | Sku 10820502

MAGNETIC DRILL 1800W



Overview

The YATO magnetic drill YT-820502 is designed for making precise holes with a diameter of up to 50 mm in steel elements, profiles, and large load-bearing structures, particularly during assembly work conducted on-site. The electromagnetic base allows for stable attachment to ferromagnetic surfaces, enabling operation in horizontal, vertical, and inverted positions. The manual feed guide ensures accurate tool guidance and repeatability of machining, while the Morse MT2 chuck with a Weldon adapter allows for compatibility with both core drills and twist drills. The design of the device is tailored for assembly, construction, locksmithing, and workshop applications that require mobility and high drilling precision. Key features and specifications: motor power: 1800 W; rotational speed: 0-550 rpm; tool holder: Morse MT2; MT2–Weldon adapter for core drills; maximum diameter of twist drill: 13 mm; maximum diameter of core drills: 50 mm; maximum drilling depth: 50 mm; working stroke: 180 mm; electromagnet holding force: 13800 N; maximum recommended continuous operation time: up to 3 hours; device weight: 20.4 kg. Design and functionality: electromagnetic base providing stable attachment to ferromagnetic surfaces; ability to work in horizontal, vertical, and inverted positions; vertical guide with manual feed enabling precise tool guidance; adjustable pressure of the guiding carriage to the vertical guide; smooth adjustment of rotational speed in the range of 0-550 rpm; direction switch helpful for unblocking a jammed tool; ability to mount tools directly in the Morse MT2 taper or using the Weldon adapter; ability to thread holes; coolant tank with fluid supply to the cutting zone; cooling through the spindle when using the Weldon adapter; ability to use cutting paste or spray during vertical and inverted work; minimum recommended substrate thickness: 12 mm; minimum thickness for adhesion: 10 mm of continuous ferromagnetic steel; ergonomic manual feed lever for the spindle ensuring control over the drilling process; separate control of the motor and electromagnet increasing safety and work control. Operational parameters: acoustic pressure level L_{pA} : 86.0 ± 3.0 dB (A); acoustic power level L_{wA} : 99.0 ± 3.0 dB(A); vibration level: 6.5 ± 1.5 m/s². To achieve full effectiveness of attachment, the working surface should be cleaned of rust, paint, oil, and metal shavings. The

YT-820502 model is used for drilling in steel structures, profiles, and load-bearing elements, as well as during assembly, installation, and workshop work requiring stable attachment and high machining accuracy.

Key Technical Specifications

Brand	Yato
Symbol	YT-820502
Producer code	5906083126437

Key Points

- motor power: 1800 W
- rotational speed: 0-550 rpm
- tool holder: Morse MT2
- MT2–Weldon adapter for core drills
- maximum diameter of twist drill: 13 mm
- maximum diameter of core drills: 50 mm
- maximum drilling depth: 50 mm
- working stroke: 180 mm
- electromagnet holding force: 13800 N
- maximum recommended continuous operation time: up to 3 hours
- device weight: 20.4 kg
- electromagnetic base providing stable attachment to ferromagnetic surfaces
- ability to work in horizontal, vertical, and inverted positions
- vertical guide with manual feed enabling precise tool guidance
- adjustable pressure of the guiding carriage to the vertical guide
- smooth adjustment of rotational speed in the range of 0-550 rpm
- direction switch helpful for unblocking a jammed tool
- ability to mount tools directly in the Morse MT2 taper or using the Weldon adapter
- ability to thread holes
- coolant tank with fluid supply to the cutting zone
- cooling through the spindle when using the Weldon adapter
- ability to use cutting paste or spray during vertical and inverted work
- minimum recommended substrate thickness: 12 mm
- minimum thickness for adhesion: 10 mm of continuous ferromagnetic steel
- ergonomic manual feed lever for the spindle ensuring control over the drilling process
- separate control of the motor and electromagnet increasing safety and work control
- acoustic pressure level L_{pA} : 86.0 ± 3.0 dB (A)
- acoustic power level L_{wA} : 99.0 ± 3.0 dB(A)
- vibration level: 6.5 ± 1.5 m/s²

Warnings

- To achieve full effectiveness of attachment, clean the working surface of rust, paint, oil, and metal shavings.
- Minimum recommended substrate thickness: 12 mm.
- Minimum thickness for adhesion: 10 mm of continuous ferromagnetic steel.
- Maximum recommended continuous operation time: up to 3 hours.