



RAT TAIL ANGLE GRINDERS

Half the weight, maximum productivity and maximum safety: the new Rat Tail Angle Grinder for heavy steelwork, from Metabo

Metabo's new Rat Tail Angle Grinder range provides a winning combination of low weight, excellent user safety, and long service life for the productive strain-free grinding of welded joints.

Metabo is expanding its range of angle grinders with a series of powerful rat tail design machines. In applications where, until now, only large heavy angle grinders weighing up to six kilograms were used, the new Metabo tools are in a class of their own at less than three kilograms. With their sleek handle, the rat tail angle grinders are especially ergonomic to use – ideal for sustained grinding work even above head height. Professionals, particularly those working on heavy steelwork, the construction of special vehicles, or in shipyards or the construction of pipework, can work efficiently and safely with the rat tail grinders. Weighing in at just 2.9 kilograms, the WEPBA 19-180 Quick RT is one of the lightest 180-millimetre angle grinders in the market, and it is ideal for grinding welded joints especially those encountered in long shift period industrial grinding operations. The reduced strain on the user reduces break periods generated by fatigue. Thanks to its improved cooling system, the tried-and-trusted Metabo marathon motor produces 1,900 watts of power. In addition, a specially optimised carbon brush system doubles the service life.

Comprehensive user safety

Metabo helps its customers to work accident-free 365 days a year. According to accident statistics produced by the statutory accident insurer, Deutsche Gesetzliche Unfallversicherung, almost 20 percent of all accidents involving angle grinders are due to a loss of control. Metabo therefore incorporates numerous preventative safety functions. During lengthy grinding and rough-machining work the integrated auto-balancer and the Metabo VibraTech side handle reduce vibration to ensure strain-free working and a firm grip. The proven Metabo S-automatic safety clutch automatically isolates the motor if the disc gets jammed during cutting, thereby protecting the user from recoil. Thanks to an electronic soft start the machine starts up smoothly, which minimises the risk of losing control when switching the angle grinder on. Metabo provides a multi-position handle so that professionals can use the machine safely with both hands even in cramped conditions such as pipework or container construction. It is widely adjustable so it can be attached in almost any position.

In order to minimise the risk of injury being caused by the rotating discs in the event of a loss of control, Metabo has fitted the new angle grinder with a deadman's switch and the fastest mechanical braking system – patented by Metabo. With this combination the machine switches off immediately once the user releases the switch. The advantage of this is that the disc stops within two seconds – even in the event of a power failure. This comprehensive user safety is also provided by Metabo on the WEPBA 17-150 Quick RT and WEPBA 17-125 Quick RT 1,700 watt models with a disc diameter of 150 and 125 millimetres respectively. The sleek handle means that the machines can always be held safely, especially with welding gloves.

The right equipment for any task

The new rat tail range consists of angle grinders with a disc diameter of 125 to a maximum of 180 millimetres. Metabo therefore offers a rat tail angle grinder with the right equipment for different types of work: for long-term grinding applications users in the heavy steelwork field rely on the WEA 19-180 Quick RT, a handy machine with a 180 millimetre disc and low vibration levels for strain-free working. The WEV 17-125 Quick Inox RT with a power level of 1,700 watts, high torque levels, and adjustable speed is ideal for use with ceramic fibre sanding discs on rust-free steel. For cutting and grinding work and the use of steel-wire wheel brushes for removing rust and weld slag Metabo recommends the WEV 17-125 Quick RT, a powerful all-rounder that weighs just 2.5 kilograms. On this model too, the motor speed can be adapted to the application. The WE 17-150 Quick RT and WE 17-125 Quick RT are light, convenient basic models with an S-automatic safety clutch. On all the new rat tail angle grinders users can change their discs without tools at the touch of a button using the Metabo Quick System.

Ceramic fibre sanding discs for 30 percent improved performance

In the case of extreme grinding work on difficult steelwork the new Metabo fibre sanding discs with self-sharpening ceramic grain are the ideal combination for the new rat tail angle grinder. Compared to their predecessor, the new fibre sanding discs remove 30 percent more material in less time and have a longer working life. Compared to an aluminium oxide disc the improved ceramic disc can remove three times as much, i.e. up to three kilograms per disc, making it ideal for the quick processing of high-alloy, rust-free steel. Metabo passes this improved productivity on to its customers at no extra charge. The ceramic sanding discs also provide significantly better material removal when used on structural steel. In order to protect the motor from fibres and material residue, the Metabo range includes an easy-clean dust protection filter which fits all the new rat tail angle grinders and significantly increases their service life.

In addition, the Nürtingen-based company offers a further comprehensive range of accessories for all the angle grinders: from the highly aggressive M-Calibur ceramic grinding discs and special discs for fillet welds to an additional four quality levels for cutting and grinding discs. Metabo therefore offers optimum accessories for every angle grinder application which are produced to the highest quality and safety standards.



The WEV 19-180 Quick RT weighing less than three kilograms is the lightest and safest 180 millimetre angle grinder on the market.



Comprehensive user safety in the 1,700 watt category as well: user benefits of the new angle grinders include an electronic safety shut down, a deadman's switch, a disc brake and a built-in auto-balancer for extremely safe and strain-free working. Shown in this photo: the WEV 17-150 Quick RT.



Perfect processing of stainless steel in the 1,700 watt category: the WEV 17-125 Quick Inox RT's adjustable operating speed and high torque of up to five newton metres prevent heat build-up and discolouration of stainless steel.



Efficient companion in industrial stainless steel working: the WEV 17-125 Quick Inox RT combined with the new Metabo fibre sanding discs. Compared to their predecessor, the new fibre sanding discs remove 30 percent more material in less time and have a longer working life.



Handy, light-weight basic models with 1,700 watts of power: the WE 17-150 Quick RT and WE 17-125 Quick RT with a disc diameter of 150 and 125 millimetres respectively.



In order to protect the motor from fibres and material residue, the Metabo range includes an easy-clean dust protection filter which fits all the new rat tail angle grinders.



Ideal accessories for safe, comfortable working in cramped conditions: Metabo's multi-position handle is virtually infinitely adjustable so it can be attached in almost any desired position.