

Metabo 603623420

Metabo W 11-125 Quick Angle Grinder Instruction Manual

Model: 603623420

1. PRODUCT OVERVIEW

The Metabo Pro Series Angle Grinder (Model 603623420) is a high-performance power tool engineered and manufactured in Germany. It is designed for demanding applications such as metal grinding and masonry cutting, offering exceptional durability, safety, and productivity. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo angle grinder.



Figure 1: Metabo W 11-125 Quick Angle Grinder, showcasing its compact design and side handle.

2. SAFETY INFORMATION

Always adhere to general power tool safety warnings and instructions provided with the product. Failure to follow these warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this instruction manual for future reference.

- **Personal Protective Equipment:** Always wear appropriate eye protection (safety glasses or face shield), hearing

protection, and heavy-duty gloves when operating the angle grinder. A dust mask is recommended for dusty operations.

- **Work Area Safety:** Ensure the work area is clean, well-lit, and free of clutter. Keep bystanders and children away. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Ensure the power supply matches the voltage specified on the tool. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Tool Handling:** Always maintain a firm grip on the tool. Use the auxiliary handle for maximum control. Ensure the workpiece is securely clamped. Avoid accidental starting; ensure the switch is in the off-position before plugging in.
- **Accessory Safety:** Only use accessories that are rated for the speed of the grinder and are correctly sized. Ensure discs are properly mounted and secured before operation. Inspect discs for damage before each use.
- **Kickback Prevention:** Be aware of potential kickback. The Metabo S-Automatic mechanical safety slip clutch is designed to reduce the likelihood of kickback, but proper technique and awareness are still crucial.

3. PRODUCT FEATURES

The Metabo W 11-125 Quick Angle Grinder incorporates several advanced features for enhanced performance and user safety:

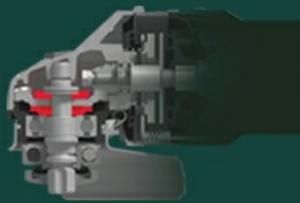
- **Metabo LongLife Motor:** Engineered for extended service life and increased power, featuring patented dust protection, up to 20% higher overload capacity, and 50% more torque for faster material removal.
- **Metabo S-Automatic Mechanical Safety Slip Clutch:** Reduces the risk of kickback by disengaging the drive if the accessory jams, allowing the user to maintain control.
- **Patented M-Quick System:** Enables the fastest tool-free disc change with a large spindle lock button, maximizing productivity.
- **Tool-Free Adjustable Guard:** A burst-proof guard that can be adjusted without tools for convenience and safety during various applications.
- **Auto-Stop Carbon Brushes:** Protects the motor from damage by automatically stopping the tool when brushes are worn.
- **Ergonomic Design:** Features the smallest handle circumference in its class and a rubberized side handle with a 15-degree offset for optimal handling, reduced fatigue, and improved ergonomics.
- **Die-Cast Aluminum Gear Housing:** Designed for efficient heat dissipation, with oversized bearings and heavy-duty gearing. It is also rotatable in 90° steps for left-handed operation or specific cutting positions.

The ultimate angle grinder



LongLife Motor

Up to 50% more torque for quicker material removal, up to 20% higher overload capacity.



Metabo S-automatic

Safety slip clutch helps the user to maintain control if the accessory jams.



Patented

M-Quick System

Maximized productivity with fastest tool-free wheel change.

Figure 2: Key features of the Metabo Angle Grinder, including the LongLife Motor, S-Automatic Safety Slip Clutch, and M-Quick System.

4. INCLUDED COMPONENTS

Your Metabo W 11-125 Quick Angle Grinder package includes the following components:

- Metabo Angle Grinder (Model 603623420)
- Guard (Tool-free adjustable, burst-proof)
- Inner support flange
- M-Quick flange nut
- Side handle

5. SETUP AND ASSEMBLY

5.1 Attaching the Side Handle

The side handle can be screwed into either the left or right side of the gear housing, depending on user preference and application. Ensure it is tightened securely before operation.

5.2 Adjusting the Guard

The guard is tool-free adjustable. Loosen the locking lever, position the guard to provide maximum protection for your application, and then securely tighten the lever. Always ensure the guard is correctly positioned to deflect sparks and debris away from the user.

5.3 Changing Grinding/Cutting Discs (M-Quick System)

1. Ensure the grinder is unplugged from the power source.
2. Press and hold the large red spindle lock button located on the gear housing.
3. Rotate the disc by hand until the spindle lock engages and the disc stops rotating.

4. Unscrew the M-Quick flange nut by hand in a counter-clockwise direction.
5. Remove the old disc and place the new disc onto the inner support flange, ensuring it is centered.
6. Screw the M-Quick flange nut back on by hand in a clockwise direction until it is finger-tight. The M-Quick system ensures secure clamping without the need for a spanner.

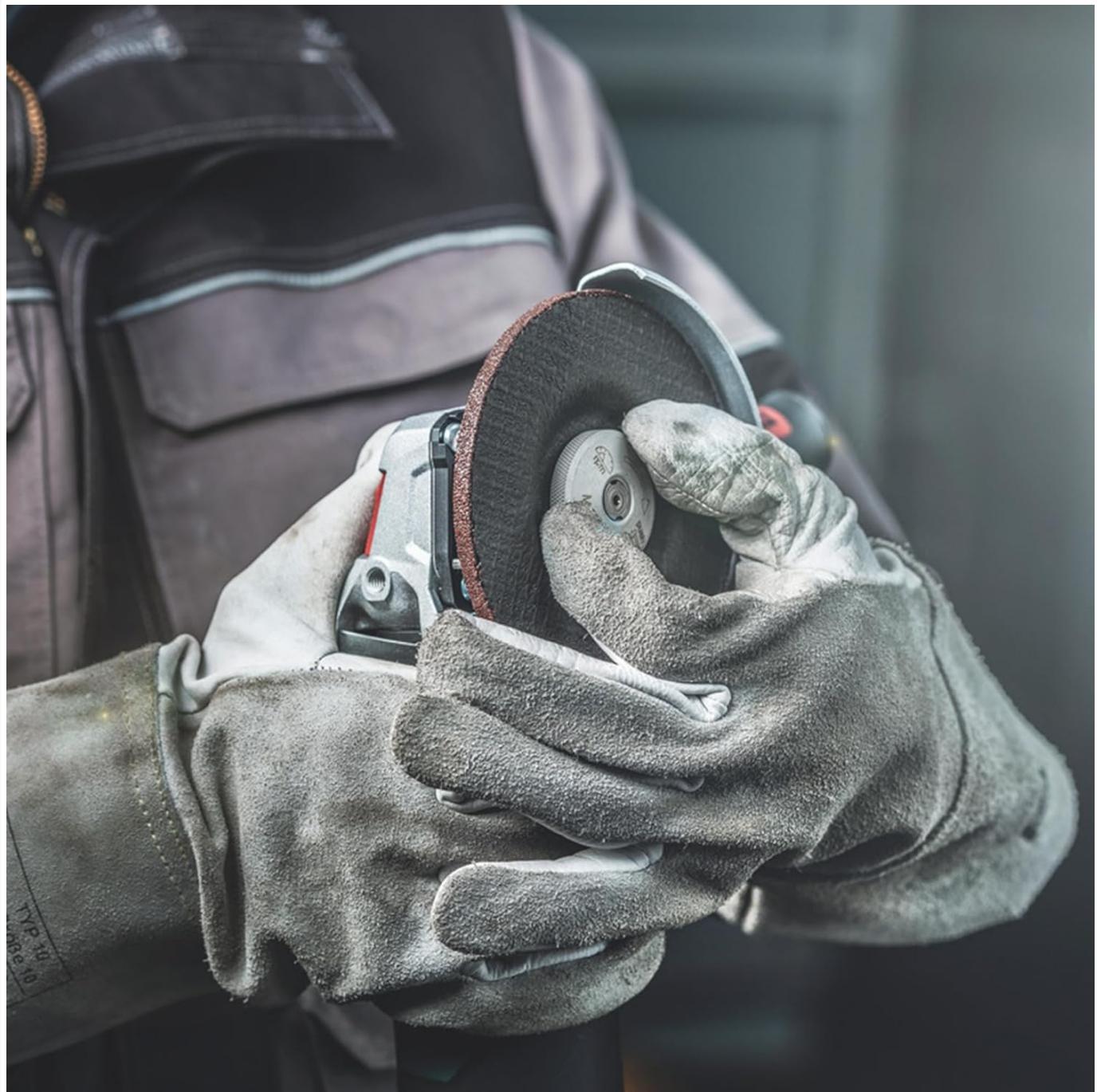


Figure 3: Demonstrating the tool-free disc change using the M-Quick system.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off (Slide Switch)

- **To Turn On:** Push the slide switch forward until it locks into the ON position.
- **To Turn Off:** Push the rear part of the slide switch down to release it, and it will return to the OFF position.

6.2 Grinding and Cutting Techniques

Always allow the grinder to reach full speed before making contact with the workpiece. Apply moderate pressure;

excessive force can overload the motor and reduce disc life. Maintain a consistent angle for optimal material removal and finish.

- **Grinding:** Use the edge of the grinding disc at an angle of approximately 15-30 degrees to the workpiece. Move the grinder smoothly across the surface.
- **Cutting:** Use a thin cutting disc. Hold the grinder perpendicular to the workpiece (90-degree angle). Make straight, controlled cuts. Avoid twisting or bending the disc during cutting.



Figure 4: Proper technique for grinding, showing sparks being safely directed.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Metabo angle grinder. Always unplug the tool before performing any maintenance.

- **Cleaning:** Regularly clean the ventilation slots to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air. Do not use water or solvents.

- Carbon Brushes:** The tool is equipped with auto-stop carbon brushes. When the brushes are worn, the tool will automatically stop. Replace both carbon brushes simultaneously with genuine Metabo replacement parts. Refer to a qualified service technician for brush replacement if unsure.
- Cord Inspection:** Periodically inspect the power cord for damage. Do not use the tool if the cord is damaged.
- General Inspection:** Check all screws and fasteners for tightness. Ensure the guard and side handle are securely attached.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Grinder does not start.	No power supply; Worn carbon brushes; Faulty switch.	Check power connection; Replace carbon brushes; Contact service center.
Tool stops during operation.	Overload; Worn carbon brushes; Accessory jam (S-Automatic clutch activated).	Reduce pressure; Replace carbon brushes; Clear jam and restart.
Excessive vibration.	Damaged or unbalanced disc; Loose flange nut.	Replace disc; Tighten flange nut.
Motor overheating.	Blocked ventilation slots; Continuous heavy load.	Clean ventilation slots; Allow tool to cool down.

9. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Metabo
Model Number	603623420
Style	Slide Switch
Power Source	Corded Electric
Voltage	120 Volts
Wattage	1100 watts
Maximum Rotational Speed	11000 RPM
Item Weight	5 Pounds
Product Dimensions	15.21" L x 5.07" W x 4.68" H
Material	Aluminum
Color	Green
Special Features	Compact
Included Components	Angle Grinder, Guard, Inner support flange, M-Quick flange nut, Side handle

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This Metabo Angle Grinder comes with a **3-Year Limited Warranty**. This warranty covers defects in material and

workmanship under normal use and service. For full details regarding warranty coverage, limitations, and claims procedures, please refer to the official Metabo warranty documentation or contact Metabo customer service.

10.2 Customer Support

For technical assistance, spare parts, or warranty claims, please contact Metabo customer support. You can find contact information on the official Metabo website or through your authorized dealer.

Visit the official Metabo Store for more information:[Metabo Store on Amazon](#)

© 2023 Metabo. All rights reserved. Information subject to change without notice.

Related Documents

	<p>Metabo Dust Extraction Systems and Concrete/Masonry Tools</p> <p>Explore Metabo's comprehensive range of dust extraction systems and power tools designed for efficient and safe concrete and masonry cutting, grinding, and drilling. Featuring H-class vacuums, angle grinders, rotary hammers, and chipping hammers, Metabo provides solutions for dust-free construction sites and improved health protection.</p>
	<p>Metabo DW 125 & DW 10-125 Quick Air Angle Grinder Operating Instructions</p> <p>Comprehensive operating instructions and safety guide for Metabo DW 125 and DW 10-125 Quick compressed air angle grinders. Covers specifications, usage, maintenance, and safety precautions.</p>
	<p>Metabo Angle Grinder Manual - W, WP, WEV, WQ, WEQ Series</p> <p>Comprehensive operating instructions and technical specifications for Metabo angle grinders, including models W 750, W 850, W 1100, WP 850, WP 1100, WEV 850, WQ 1100, and WEQ 1400. Covers safety guidelines, usage instructions, maintenance, and troubleshooting.</p>



W 850-100
W 850-115
W 850-125
WP 850-115
WP 850-125
W 1100-115
W 1100-125
WQ 1100-125
WEQ 1400-125

W 1100-125 Quick (063623420) Angle Grinder
Cardboard box
Order no. 603623420
EAN 4061792176294

TMbY PROFESSIONAL TRADE YOUR EQUIPMENT

Metabo Winkelschleifer: Bedienungsanleitung

Detaillierte Bedienungsanleitung und wesentliche Sicherheitshinweise für Metabo Winkelschleifer, einschließlich der Modelle W 850-100, W 850-115, W 850-125, WP 850-115, WP 850-125, WEV 850-125, W 1100-115, W 1100-125, WP 1100-115, WQ 1100-125 und WEQ 1400-125.

Documents - Metabo – 603623420



metabo
PROFESSIONAL TRADE YOUR EQUIPMENT

W 11-125 Quick (063623420) Angle Grinder
Cardboard box
Order no. 603623420
EAN 4061792176294

[\[pdf\] Datasheet](#)

INTERNET DATA SHEET for item number 603623420 Metabo W 11 125 Quick 4 5 Angle Grinder w Lock On Baker s Gas Welding Supplies Inc Englisch US v 1667308330 cdn shopify files 1 0252 1176 4789 ||| W 11-125 Quick **603623420** Angle Grinder Cardboard box Order no. **603623420** EAN 4061792176294 Representative picture Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics Longer service life, more drive: the Metabo LongLife Motor with patented dust guard, up to 20% more high overload capacity and 20% more torque Longer service life, more drive: the Metabo LongLife Motor with patented dust guard, up to 20% more high overload capacity and 20% more torque Tool-free adjustable guard, twice proof Tool-free fast disc change at the push of a button without tools, with the Metabo M-Quick System Metabo S automatic Torque Limiter clutch minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting Auto-stop carbon brush to protect the motor Suitable for 120 Volt direct current (DC)

lang:en score:30 filesize: 76.38 K page_count: 2 document date: 2022-11-01



metabo
PROFESSIONAL TRADE YOUR EQUIPMENT

W 11-125 Quick (063623420) Angle grinder
Cardboard box
Order no. 603623420
EAN 4061792176294

[\[pdf\] Specifications Datasheet](#)

INTERNET DATA SHEET for item number 603623420 W 11 125 Quick Angle grinder Metabo Cardboard box Order no EAN 4061792176294 Low fatigue as never before compact angle with smallest handle circumference in its class perfect ergonomics Englisch US metabo us index lang 23 cl details aid 8 anid fnc outputSpecSheet am 1 cnid 22644 listtype list actcontrol oxwarticledetails stoken ||| W 11-125 Quick **603623420** Angle grinder Cardboard box Order no. **603623420** EAN 4061792176294 Representative picture Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics Longer service life, more drive: the Metabo LongLife Motor wit...

lang:en score:29 filesize: 76.21 K page_count: 2 document date: 2022-02-20



metabo
PROFESSIONAL TRADE YOUR EQUIPMENT

W 11-125 Quick (063623420) Angle Grinder
110-120 V / AC/DC 0/50/60 Hz
Order no. 603623420
EAN 4061792176294

[\[pdf\] Datasheet](#)

INTERNET DATA SHEET for Article Number 603623420 MET603623420 srstid AfmBOorPVg0w 6FqGKFGMJsg nvk t5lMhJWgDX0f w0oyjLVDDaNLPO josefgases product ref spec sheets ||| W 11-125 Quick **603623420** Angle Grinder 110-120 V / AC/DC 0/50/60 Hz ; Cardboard box Order no. **603623420** EAN 4061792176294 Product may differ from Image Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics Longer service life, mo... lang:en score:29 filesize: 76.77 K page_count: 2 document date: 2020-09-29



[\[pdf\]](#)

2020Q3 Metabo Promo US 2020 Q3 04 metabo t3 fileadmin us 070 news 01 promos Promotion |||
Offer Valid: July 1 - September 30, 2020 Click to view on www.metabo.com 2 FOR
99.99 2 FOR 124.99 NEW NEW W 750-115 603604420 W 850-125 603608420 WP
850-125 603610420 2 FOR 139.99 NEW NEW W 1100-125 603614420 2 FOR 189.99
NEW NEW WP 1100-125 603612420 W 11-125 Quick **603623420** W...
lang:nl **score:23** filesize: 1017.76 K page_count: 1 document date: 2020-07-01

lang:nl score:23 filesize: 1017.76 K page_count: 1 document date: 2020-07-01



[pdf] Catalog

Volante Digital METABO 2023 indd CaprisMETABO SXE 450 TURBOTEC LIJADORA EXCENTRICA
DISCO 150MM 6 350W 110V 60HZ CALADORA 65 MM W 110 V 60 HZ 1F 601030420 Cód 105127
METABO CATALOGO EQUPOS METABOcapris cr media Omnipro product attachment CATALOGO |||
TODOS LOS PRECIOS TIENEN IMPUESTOS DE VENTAS INCLUIDO. CATLOGO
DE PRODUCTOS HERRAMIENTA METALMECN ... Cd.: 100907 METABO W 11-
125 QUICK ESMERILADORA ANGULAR 125MM 4-1/2 5 7500RPM 1100W
110V/60HZ/1F **603623420** Cd.: 101040 Cd.: 101151 METABO W 13-125 QUICK
ESMERILADORA ANGULAR 125MM 5 8000RPM 1...

lang:i-klingon score:19 filesize: 9.81 M page count: 16 document date: 2023-11-08



[\[pdf\]](#) Borchure Catalog

Angle Grinders Metabo 24 nov 2020 — Switch Type Lock on slide Non locking paddle Motor Heavy Duty LongLife AC DC capability Catalog2020 21 1020 p40 59 metabo t3 fileadmin us 070 news 02 brochures logos Catalog 2021 III

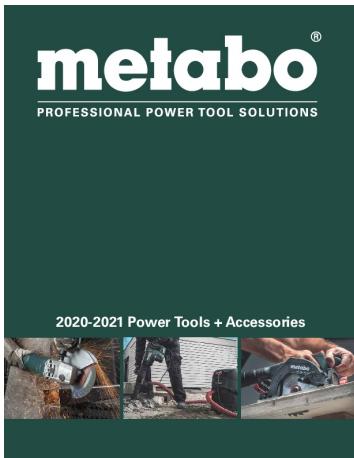
40 02 Angle Grinders Patented mechanical safety slip clutch reduces the risk of grinder kickback a ... der with Brake Model 5.5Ah Kit: ASC30-36 Chgr 2 LiHD 5.5 Ah Batteries Bare Tool: W 11-125 Quick **603623420** WP 11-125 Quick WP 13-125 Quick 603624420 603629420 Key Features Maximum wheel diamete...

lang:en score:18 filesize: 8.54 M page count: 20 document date: 2020-11-09

Metabo HPT Qualifying Products | List

Comprehensive list of Metabo HPT qualifying power tools, including MultiVolt cordless tools, saws, drills, grinders, nailers, and more, with model numbers and detailed product descriptions.

lang:en score:17 filesize: 453.6 K page count: 11 document date: 2024-12-20

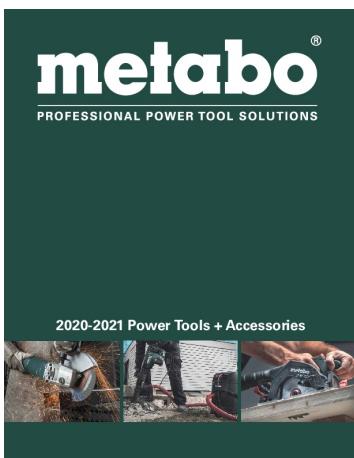


[\[pdf\] Accessories Catalog](#)

Catalog2020 21 metabo t3 fileadmin us 070 news 01 promos |||

2020-2021 Power Tools Accessories BOOST PERFORMANCE THE METABO SYSTEM FOR HIGHEST PERFORMANCE ... der with Brake Model 5.5Ah Kit: ASC30-36 Chgr 2 LiHD 5.5 Ah Batteries Bare Tool: W 11-125 Quick **603623420** WP 11-125 Quick WP 13-125 Quick 603624420 603629420 Key Features Maximum wheel diamete...

lang:en **score:14** filesize: 42.02 M page_count: 148 document date: 2021-02-17

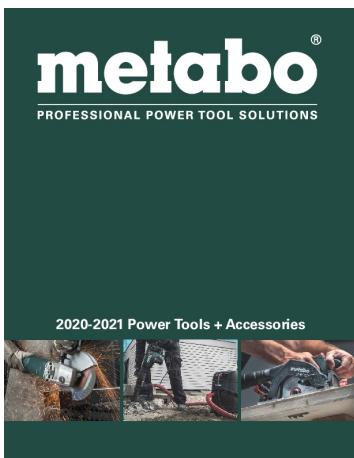


[\[pdf\] Accessories Catalog](#)

2020 2021 Power Tools Accessories Metabo 24 ott — Since 1924 continues to engineer and manufacture innovative tools accessories for professional users in our Nürtingen Germany plant Catalog 21 102320 metabo t3 fileadmin us 070 news 06 |||

2020-2021 Power Tools Accessories BOOST PERFORMANCE THE METABO SYSTEM FOR HIGHEST PERFORMANCE, ... der with Brake Model 5.5Ah Kit: ASC30-36 Chgr 2 LiHD 5.5 Ah Batteries Bare Tool: W 11-125 Quick **603623420** WP 11-125 Quick WP 13-125 Quick 603624420 603629420 Key Features Maximum wheel diamete...

lang:en **score:14** filesize: 46.87 M page_count: 147 document date: 2020-10-23

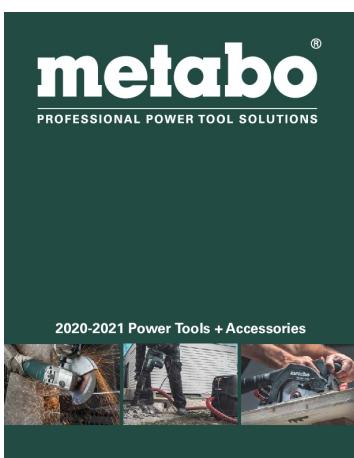


[\[pdf\] Accessories Borchure Catalog](#)

2020 2021 Power Tools Accessories Metabo 24 nov — Since 1924 continues to engineer and manufacture innovative tools accessories for professional users in our Nürtingen Germany plant Catalog2020 21 102320 metabo t3 fileadmin us 070 news 02 brochures logos Catalog |||

2020-2021 Power Tools Accessories BOOST PERFORMANCE THE METABO SYSTEM FOR HIGHEST PERFORMANCE ... der with Brake Model 5.5Ah Kit: ASC30-36 Chgr 2 LiHD 5.5 Ah Batteries Bare Tool: W 11-125 Quick **603623420** WP 11-125 Quick WP 13-125 Quick 603624420 603629420 Key Features Maximum wheel diamete...

lang:en **score:13** filesize: 46.88 M page_count: 148 document date: 2020-11-10



[\[pdf\] Accessories Borchure Catalog](#)

2020 2021 Power Tools Accessories 31 ago — In every Metabo tool there is traditional German engineering ingenuity Since 1924 we have been developing innovative ideas in our Nürtingen plant and have Catalog 051420 update metabo t3 fileadmin us 070 news 02 brochures logos 2019 |||

2020-2021 Power Tools Accessories WHAT YOU EXPECT FROM PROFESSIONAL POWER TOOLS: METABO DELIVERS ... der with Brake Model 5.5Ah Kit: ASC30-36 Chgr 2 LiHD 5.5 Ah Batteries Bare Tool: W 11-125 Quick **603623420** WP 11-125 Quick WP 13-125 Quick 603624420 603629420 Key Features Maximum wheel diamete...

lang:en **score:13** filesize: 37.14 M page_count: 148 document date: 2020-05-14

