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Focusing on the user: **Bosch Power Tools achieves record sales** Innovations as the basis for success

March 28, 2017

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- ▶ New record: Seven percent increase in turnover to 4.5 billion euros
- ▶ Higher quantity: More than 50 million power tools sold in 2016
- ▶ Global growth: Double-digit growth in 33 countries

Leinfelden – Bosch Power Tools achieved record sales of 4.5 billion euros* in 2016. In local currency, that equates to a growth of seven percent; nominally, Power Tools has grown by four percent. “For us, 2016 was the most successful year in the company’s history,” said Henning von Boxberg, President of the Robert Bosch Power Tools GmbH. “We sold more than 50 million power tools and increased sales yet again. Our products are well received by do-it-yourselfers and tradespeople alike.” Power Tools is focusing on the specific needs of the user: More convenience for do-it-yourselfers, more productivity for tradespeople. Cordless tools, such as the Ixo, are still proving very successful. In addition, Power Tools introduced numerous connected power tools in 2016. Von Boxberg commented: “In future, we will continue to focus on innovations that offer added value to the user. We see opportunities for growth online and in emerging markets in particular.”

Growth in all regions

In 2016, Bosch Power Tools increased sales in all continents. In 33 countries, the company achieved a double-digit growth. The division was particularly successful in important Western European markets such as Germany, the Iberian Peninsula and the United Kingdom in 2016. In total, European sales grew by nine percent in local currency; Germany saw a 12 percent increase. In North America, Power Tools achieved a seven percent growth in revenue. Despite lower growth in Brazil and China, Power Tools also increased sales in emerging markets: In Latin America, the company experienced a five percent increase, while the Asia-Paci-

**Due to special effects, the turnover in 2016 is only comparable to an extent with the turnover published in the previous year. The specified growth rates are based on comparable values.*

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fic region saw a growth of two percent. Business performance in India was positive, with a ten percent increase. On the African continent Bosch has grown, too.

Growth segment emerging markets

Bosch Power Tools sees great potential in emerging markets such as Africa. They are home to many first-time users of power tools. These tradespeople first need to be convinced that switching from a traditional hand tool to a power tool brings benefits. “A decisive factor for success in emerging markets is the availability of affordable products and on-site service,” said von Boxberg. Bosch Power Tools plans to introduce 20 new products to Africa in 2017 alone – a whole range of professional products that are affordable as well as durable and easy to maintain. “Our focus is always on the user. We are building up our own sales organizations in Africa and creating a tight network of service centers, in order to meet local needs.”

Success through innovations for the user

An important key to our success is the innovative strength of Bosch Power Tools. In 2016, the division once again generated around one third of its sales from products that had been on the market for less than two years. “This is the DNA of our success; recognizing the needs of our users,” said von Boxberg. In industrial markets, cordless tools continue to be in great demand. “For us, the cordless segment is an important growth segment which we are consistently developing – we are launching innovations which offer added value to the user.” These innovations include the FlexiClick cordless drill/driver system for professionals, now also available as a 12 volt version: With its bit holder with bit locking, drill chuck, offset angle and angle adapters, it is the most versatile system on the market – and the shortest cordless drill/driver in its class. Many do-it-yourselfers are already familiar with interchangeable adapters from Bosch’s smallest cordless driver, the 3.6 volt Ixo. From autumn onwards, a high-performance 18-volt equivalent will be available, with impact drill mode and drill chuck, eccentric and angle screw adapters. All the systems mentioned here offer maximum flexibility to the user and make light work of hard-to-reach areas.

Cordless segment expansion for both do-it-yourselfers and professionals

Bosch Power Tools is consistently expanding the cordless segment – in both DIY and professional tools. In doing so, the division is focusing on flexibility: In the DIY range, all cordless tools in one volt class are compatible, as are those in the professional range. “If you buy a cordless tool from Bosch, you can use it immediately, without worrying about whether it fits,” said Henk Becker, Managing Director of Robert Bosch Power Tools GmbH with responsibility for development, production and quality, as well as measuring tools, professional and DIY tools. In the “Power for All” range for do-it-yourselfers, Bosch is now introducing a cord-

less angle grinder and a random orbit grinder. The professional range includes three new cordless angle grinders with power equal to that of a 1 000 watts mains-powered tool. This is thanks to a brushless motor and the new, high-performance EneRacer battery. “We are using a new cell technology, improved power connectors and a new manufacturing procedure – which means that higher currents can be drawn from the battery pack over a longer time. This results in increased power that can be used while also having the most compact battery size and the lowest weight compared to other high-performance batteries in the 18 volt class,” said Henk Becker.

In DIY tools, an optimum coordination of key components such as the motor and the gearbox, combined with an intelligent electronic system called the “Syneon Chip”, gives do-it-yourselfers the optimum power and maximum runtime for every project.

Intelligent and connected products, even higher ease-of-use

Occupational health and safety also drive innovation. Bosch sensors are used in impact drills and rotary hammers for both do-it-yourselfers and tradespeople to reduce the risk of injury caused by kickback. The new professional angle grinders are also equipped with this “KickBack Control”. Additional benefits include a new user interface, which enables the user to see and control the most important information and settings, and the connectivity function. By connecting the angle grinder to a smartphone, the user can customize tool settings and receive troubleshooting tips in the event of the motor, electronics or battery pack overheating, in addition to tool information. Bosch currently offers 14 professional tools that can be connected – from a worklight through to a remote-controlled combi laser. Henk Becker: “Our long-term goal is to connect all of Bosch’s professional power tools and thus to offer users an even higher level of convenience – and to increase their productivity.”

Do-it-yourselfers can also rely on connected products from Bosch, for example, the new Indego 400 Connect robotic lawnmower, or various laser measures. An inspection camera is due to be released in the DIY range shortly. This allows the user to easily inspect dark and difficult-to-see areas around the home, and document the results as an image.

Bosch Power Tools is one of the world’s leading providers for power tools, power tool accessories and measuring tools. It has a workforce of some 20,000 associates at 34 locations in 17 countries around the world.

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The Robert Bosch Power Tools GmbH, a division of the Bosch Group, is one of the world's leading providers for power tools, power tool accessories and measuring tools. In 2016, its roughly 20,000 associates generated sales of 4.5 billion euros, about 85 percent of which outside of Germany. With brands such as Bosch and Dremel, the division stands for customer focus and great engineering progress. The core success factors are innovative strength and pace of innovation. The division generated about one third of its sales in 2016 with products that have been on the market for less than two years. In 2017, Bosch Power Tools will again launch more than 100 new products onto the German market in its four business segments power tools, accessories, measuring tools and garden tools.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 390,000 associates worldwide (as of December 31, 2016). According to preliminary figures, the company generated sales of 73.1 billion euros in 2016. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected industry. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to create solutions for a connected life, and to improve quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 450 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 120 locations across the globe, Bosch employs 59,000 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.



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**Focusing on the user:
'User Experience' at Bosch Power Tools**

**Simply ingenious:
Bosch innovations for ingeniously simple DIY**

Speech by Henning von Boxberg,
President of the Robert Bosch Power Tools GmbH

**Bosch innovations for greater productivity
in your day-to-day work**

Speech by Henk Becker,
Managing Director of the Robert Bosch Power Tools GmbH

on the occasion of the press conference
in Leinfelden on March 28, 2017

Check against delivery.

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Ladies and gentlemen,

In the introduction to 'User Experience', you have learned how we systematically research the needs and desires of our users, and focus on these when developing products and services. In the development process, we check time and again whether the user finds our product useful, can operate it easily, enjoys using it and whether the product meets the aesthetic requirements. Finding the answers to these questions forms the basis of our innovative strength and is the DNA for our success.

Furthering our innovative strength: Working in cross-functional teams

Of course, this applies not only to the 'User Experience' team, but also to each individual at Bosch Power Tools. Our thoughts and actions are always focused on the user and their needs. This focus also directs our organizational structure and cooperation. For example, we increasingly use cross-functional teams, where colleagues from varying fields, such as development, marketing or logistics, work collectively as one team. Together, they devote themselves to individual projects, products or product groups.

The advantages are obvious: The various perspectives and specialist knowledge complement each other, allowing the team to quickly develop solutions for the user. Individual teams led the way, and now, we have transferred this set-up to the entire Home & Garden product area. Alongside the cross-functional teams, so-called 'Purpose' teams, there are 'Excellence' teams which, like conventional departments, are experts in particular fields. In this way, we pool our specialist expertise.

Inspiring working conditions foster creativity and cooperation

To promote creativity and cross-functional cooperation, we are dedicated to providing a modern working environment. This includes flexible working hours, appropriate technical equipment for mobile working and rooms that not only allow concentrated individual work but also, and in particular, enable feedback, exchange and communication – giving our staff the freedom to choose, based on their current need or the task at hand. This is what we

mean by ‘inspiring working conditions’. The working environment facilitates the task at hand, increasingly promotes exchange and teamwork – and thereby boosts our innovative strength.

Bosch innovations for ingeniously simple DIY

With our ‘User Experience’ approach, we serve all user groups from DIY enthusiasts on the one hand, to professionals in industrialized and emerging markets on the other. The requirements of these target groups are very different. For the DIY enthusiast, the simpler the job, the more enjoyable it is. We offer innovations for ingeniously simple DIY.

What tools could better meet this demand than cordless tools? With our product portfolio, 90 percent of all applications, ranging from screwdriving, drilling and hammering, through sawing and grinding, to tacking, are already covered by cordless tools. We focus on small and handy 12 volt tools as well as 18 volt tools for full power. Our ‘Power for All’ system, which includes DIY and garden tools, is available for both voltage classes: With a single 12 volt or 18 volt battery, you can currently operate 14 or 20 power tools respectively – from screwdrivers to hedgecutters. You only need one battery and one charger per volt class. This is what we call ‘combining with a system’.

Maximum runtime, thanks to the ‘Syneon Chip’

Another advantage of our cordless tools: They enable up to 85 percent more applications than comparable competitor models. Their superior performance is based on optimum coordination of key components such as the motor and gearbox combined with an intelligent electronic system called the ‘Syneon Chip’. This offers DIY enthusiasts the maximum runtime for each project. For example, the PSR 18 LI-2 cordless drill/driver allows you to drive up to 60 percent more screws per battery charge and drill up to 85 percent more holes than with comparable competitor tools. This has been confirmed by an independent testing institute. Furthermore, our tools maintain full power until the battery is empty. This allows DIY enthusiasts to continue screwing, drilling, sawing, grinding or even vacuuming at full capacity until the end.

Interchangeable adapters offer maximum flexibility: Combi drill system

The cordless segment is an important growth segment, which we are consistently developing – with innovations that offer added value to the user. The benefits include maximum flexibility through interchangeable adapters. Many DIY enthusiasts are already familiar with these adapters from Bosch's smallest cordless screwdriver, the 3.6 volt Ixo. Our 18 volt equivalent, the new AdvancedImpact 18 QuickSnap with impact drill function, as well as drill chuck, eccentric and angle screw adapters, offers the user maximum power. Its range of applications reaches from conventional screwdriving and drilling in wood and metal, to impact drilling in masonry – and with the QuickSnap adapters, the range is expanded even further. For example, the eccentric adapter allows you to drive in screws at the edges of cupboards, while the angle screw adapter allows you to drive screws and drill holes in tight spaces. This makes our impact drill/driver system a problem solver for hard-to-reach areas.

The simplest toolholder on the market – now also for cordless tools

With Bosch multifunction tools, DIY enthusiasts can complete a wide variety of tasks with ease. We are now expanding the range of these all-rounders with the introduction of an 18 volt cordless variant: The AdvancedMulti 18. In addition to the benefits offered by a cordless tool, this device is also equipped with the convenient 'Starlock' accessory interface and the Bosch 'AutoClic' mounting system. The 'Starlock' interface, jointly developed by Bosch and Fein, ensures optimal power transfer from the tool to the accessory, resulting in higher performance, faster work progress and more precise results. The 'AutoClic' mounting system enables accessories to be changed in a matter of seconds, without the need for tools: Like a ski boot being inserted into a binding, the accessory is fixed into the attachment with just one click. It is just as simple to release it again.

The broad 'Starlock' range means that DIY enthusiasts will always find the right accessory for the job, whether it is cutting, sawing, routing or grinding.

It comprises 32 accessories, including a sanding finger for working in very tight spaces.

Bosch's first cordless angle grinder for DIY enthusiasts

For the first time, we are offering DIY enthusiasts the convenience of a cordless tool for cutting, grinding and metal brushing work: The AdvancedGrind 18 cordless angle grinder combines flexibility with a high level of user protection. It is equipped with restart protection which ensures that the angle grinder does not accidentally run on after a power failure. Additionally, it stands out among comparable competitor models thanks to its speed pre-selection for material-specific working, its soft-start function for a smooth start, and an integrated brake function which stops the disk within two seconds after the tool is switched off. This gives DIY enthusiasts complete control of this all-round angle grinder for every application.

Do you remember the 'Syneon Chip'? The optimum combination of motor and gearbox, coupled with this intelligent electronic system, is the reason why the AdvancedGrind 18 is quicker and more powerful than other models. For example, it can cut through twelve millimeter reinforcing steel in just five seconds – up to 50 percent faster than any comparable competitor tool.

The most handy 18 volt random orbit sander: AdvancedOrbit 18

Even in the grinding segment, users can now find a powerful 18 volt Bosch tool: The AdvancedOrbit 18 random orbit sander. It represents effortless sanding and polishing in any position. This comfort is due to the ergonomic design of the tool. The design features a well balanced elongated handle and is similar to that of current corded tools, it stands apart from comparable battery-powered competitor models, which have the common tower-shaped design. DIY enthusiasts can easily use the tool with both hands and in any direction – both overhead and close to the ground – for example, when working on a door frame. The variable speed setting gives DIY enthusiasts flexibility in use: They can sand wood and chipboard and also polish plastic and varnished surfaces.

The AdvancedOrbit 18 also benefits from the 'Syneon Chip' technology: The cordless tool is able to sand an area up to one and a half times larger in size than comparable competitor models. The AdvancedOrbit 18 provides nearly comparable working progress as a corded tool.

'Power for All': One 18 volt battery for more than 20 products

With these innovations, we are expanding our 18 volt 'Power for All' battery system to more than 20 DIY and garden tools. The range now covers all common applications from impact drilling, through cutting and grinding, to lawn trimming and hedge cutting. Users can 'combine with the system' and therefore do away with unnecessary batteries and chargers, saving money, too.

12 volt multifunction tool for small improvements

The 12 volt 'Power for All' system is designed for lighter tasks or more delicate work. The UniversalMulti 12 multifunction tool is a new addition to the range. It offers the same benefits as the 18 volt tool – 'Starlock' with 32 accessories, plus 'AutoClic' for changing accessories in seconds – but is more compact and demonstrates its advantages when making small, occasional improvements and modifications, such as shortening door frames or replacing broken tiles.

Our multifunction tools are also always designed with the user and their needs in mind. We focus on providing the right tool for everyone – from beginners to passionate users with high requirements. Cutting pipes to length, working on tiles, removing carpet remnants, sanding window frames – the Bosch multifunction tools can handle all this and much more, enabling a wider range of applications than ever before.

12 volt cordless vacuum cleaner for quick in-between cleaning

Another lightweight, 12 volt unit is the EasyVac 12 hand-held vacuum cleaner, can also be used as a floor vacuum cleaner thanks to an extension tube. The tool is ideal for quick in-between cleaning; it is small, compact, quiet and

versatile. With the crevice nozzle, the EasyVac 12 sucks dirt from the gaps between car seats or the keyboard of your PC. Together with the brush nozzle, it can be used to clean furniture carefully. It also has a floor nozzle for use on floors. The EasyVac 12 is characterized by its long runtime – the key word here again being ‘Syneon Chip’.

Both tools tie in with the 12 volt ‘Power for All’ system, which currently comprises 14 DIY and garden tools – ranging from the hand-held circular saw to the grass trimmer. This means that in the 12 volt class, too, DIY enthusiasts can do away with unnecessary batteries and chargers, saving money, too. All 10.8 and 12 volt Bosch tools and batteries are compatible.

Handy dry vacuum cleaner for the workshop

The EasyVac 12 is just one of four new vacuum cleaners that we are now introducing for DIY enthusiasts. Also new to the range is the EasyVac 3, a handy dry vacuum cleaner for workshops. It offers 700 watts of power, is equipped with a start/stop function, has a container volume of 2.1 liters and can be conveniently placed on any work bench. To make it especially handy when combined with a power tool, its dust box is as large as necessary and as compact as possible. For example, DIY enthusiasts can saw more than 13 meters with a hand-held circular saw, or use a random orbit sander for up to 180 minutes, depending on the type of sandpaper – and only then does the dust box need emptying.

Handy, flexible to use wet/dry vacuum cleaners

The powerful UniversalVac 15 and AdvancedVac 20 wet/dry vacuum cleaners are extremely versatile: The UniversalVac 15 is designed to take in 8.5 liters of liquid and has a volume of 15 liters. The AdvancedVac 20 holds up to 13.5 liters of liquid and has a volume of 20 liters. With 1,200 watts, it is the most powerful of the four new vacuum cleaners and can take up large volumes of water – for example, if your washing machine has flooded. It also has a valve for easily draining off liquid that has been taken up.

Here, too, we offer DIY enthusiasts the right vacuum cleaner for every application – from the flexible 12 volt tool right through to the powerful 1,200 watts wet/dry vacuum cleaner. All tools are easy to transport and take up little space when stowed away – the required accessories are always to hand. In addition, the scope of delivery of the EasyVac 3, UniversalVac 15 and AdvancedVac 20 includes a universal adapter, which enables connection to every Bosch power tool in the current DIY range. This allows DIY enthusiasts to extract dust as it is produced during sanding, sawing and routing.

UniversalInspect for easy check and documentation all around the home

When it comes to measuring tools, we again have the right tool to suit each of your applications and needs – whether you are detecting, measuring or leveling. We are expanding our product portfolio with the introduction of the UniversalInspect, an easy-to-use inspection camera. This tool allows you to easily inspect dark and hard-to-reach areas all around your home or car yourself, and then document the results as an image. The camera head, measuring just eight millimeters, at the end of the 95 centimeter cable offers flexibility in use. For example, it allows DIY enthusiasts to easily detect blockages in drains, pipes and downpipes, inspect the inside of household appliances like washing machines for defects, or take a look around in cavities such as drywalls or suspended ceilings. The UniversalInspect takes a good picture when inspecting cars, too: Rust spots or faulty cables are easy to find. The UniversalInspect is easy to understand and handle for all users. Six buttons allow all the functions to be selected easily; for example, you can adjust the brightness or rotate the image by 180 degrees in order to better see the object under inspection. The person who finds the fault simply takes a picture – and then deals with the repair.

Dremel 3D printer for all

The Dremel 3D40 Idea Builder signifies even more possibilities in 3D printing. It offers both beginners and experienced users a great deal of freedom for individual creativity. Its bigger printing plate makes it suitable for larger-scale projects and means it can print objects up to 25.4 x 15.2 x 17.1 centimeters in

size. In fact, the print volume it can output is 35 percent higher than that offered by its predecessor, the 3D20 Idea Builder. Data transfer options are flexible too, with the ability to use a USB stick, USB cable, WLAN or LAN connection. Precise printing results are achieved by a semi-automatic two-point leveling system that is able to calibrate the print bed quickly and accurately. The integrated, intuitive software and color touch screen quickly and simply convert your idea into a printed object and allow you to check the print status at any time. During the printing process, paper-thin layers of 100 to 300 microns are stacked on top of each other. This allows the Dremel 3D40 Idea Builder to achieve high surface quality. It opens up brand new possibilities for users to transform their ideas into colors and shapes: Toy figures, decorative objects, jewelry and much more – it prints whatever you want in 3D.

First Dremel multitool with quick-change multi chuck

‘Dremeling’ has become a synonym for working with our small, powerful multitools, which master almost any task. The new Dremel 4300 is the most powerful Dremel and also the first to be fitted with a quick-change multi chuck: Accessories can be changed in seconds, without the need for tools. The multi chuck is suitable for the entire range of Dremel accessories and can also be used on all other Dremel multitools. Another advantage is the LED light, which can be continuously adjusted to rotate around the tool head. This means that demanding DIY enthusiasts and hobbyists always have an optimum line of sight for their project – whether this involves grinding, routing, polishing or engraving – and can therefore work in a particularly controlled manner with a high level of precision.

Bosch innovations for ingeniously simple DIY

As we draw to a close, let me sum up the most important points once again:

- We create innovations for ingeniously simple DIY.
- We focus on cordless tools that offer added value – for example, ‘Power for All’ with an interchangeable battery for many different DIY and garden tools.

- We continue to develop not only existing segments, but also enter new segments – always keeping our focus on the user.

I have introduced you to a selection of products, however they represent just a small section of our portfolio. There are, of course, countless further examples, be it products from our current range, or products that are still being released on the market. All of our new products are innovations designed for the user – they are tailored to their needs. They represent ingeniously simple DIY with Bosch power tools.

Thank you for your attention! Henk Becker will now present the innovations for professionals.

Ladies and gentlemen,

Tradespeople have different needs from those of the DIY enthusiast. Their device is, literally, their tool for delivering high quality under extremely tight deadlines. At the same time, occupational health and safety plays an increasingly important role. Our aim is to provide professionals with tools that are easy to use and will increase productivity in their day-to-day work.

One solution is powerful cordless tools. They offer high mobility on construction sites without long set-up times – tradespeople can start work immediately. Take our 18 volt class, for example: We promoted lithium-ion technology from the start, with a high rate of innovation, continuously increasing capacity since 2007. Compact batteries, characterized by their low weight, have increased in capacity from 1.3 to 2.0 Ah; XL batteries, characterized by a long runtime, have increased from 2.6 to 6.0 Ah. However, we have by no means exhausted the possibilities offered by lithium-ion technology.

EneRacer: The most compact high-performance battery on the market

Our newest innovation is the high-performance EneRacer battery. In the EneRacer battery, improved power connectors and a new manufacturing procedure – laser welding – ensure lower resistance, which means that higher currents can be drawn from the battery pack over a longer time. This results in increased power that can be used while also having the most compact battery size and the lowest weight compared to other high-performance batteries in the 18 volt class – the EneRacer is, on average, 24 percent lighter and 35 percent smaller. Furthermore, thanks to its improved CoolPack technology, it also offers a 135 percent longer lifetime when compared to a conventional battery pack. Additionally, tradespeople who buy a battery from Bosch can use it immediately without having to worry about whether it is compatible: Our ‘Flexible Power System’ guarantees compatibility with all existing professional power tools and chargers within a volt class – for increased productivity in day-to-day work.

As powerful as corded tools: Angle grinders with high-performance battery

We have equipped our new cordless angle grinders with this EneRacer battery. This results in up to 35 percent more power and a battery runtime that is up to 100 percent longer than previous 18 volt model with 5.0 Ah battery. The combination of a brushless motor and high-performance battery gives these tools power that is similar to that of a 1,000 watts mains-powered tool. It also enables extremely power-intensive cutting or grinding applications to be carried out. And, for the first time, we are also offering a cordless angle grinder with a 150 millimeter disk for even greater cutting depth.

World's first: Connectivity angle grinder with intuitive operating concept

And that's not all: Our new angle grinders – the GWS 18V-115 and -125 C Professional, as well as the GWS 18V-115, -125 and -150 SC Professional – are the first in the world to have a connectivity function: By connecting the angle grinder to their smartphone, the user can customize tool settings and receive troubleshooting tips in the event of the motor, electronics or battery pack overheating, as well as tool information. Furthermore, three out of our five new models come with a multi-functional user interface for the first time. This informs users, on the tool, about the tool status, the charging state of the battery and any overheating. In addition, a professional can also easily adjust the speed via this user interface at the push of a button. Connectivity combined with a user interface therefore significantly increases ease of use.

The angle grinders with connectivity are five out of a total of 11 connected products that we are launching to the market this year alone. The new tools include two 18 volt drill/driver and combi drills along with a worklight and combi laser. All tools offer the user added value through the ability to be controlled via an app. In some cases, the app also functions as a remote control, enabling tradespeople to save time and walking. Our long-term goal is to connect all of Bosch's professional power tools and thus to offer users an even higher level of convenience – and to increase their productivity.

Connectivity provides better results: Combi laser with app control

Let me introduce you to another connected tool in detail – our new combi laser, available with red or green laser lines. They are the first combi lasers worldwide which can be controlled via app and Bluetooth interface. Tradespeople can, for example, switch the vertical and horizontal laser lines and the plumb points on and off individually and change the brightness. Operating via the app ensures that settings are not accidentally altered when handling the device. The motorized mini tripod also provides significant added value here. It aligns the combi laser to the nearest millimeter. This is especially helpful if users are working at a distance from the device or on a ladder, as it allows them to control precision adjustments remotely.

The combi lasers differ in the color of the laser lines they project: The GCL 2-50 C Professional produces red laser lines, whereas the GCL 2-50 CG Professional uses a true green laser diode to project lines. The green laser lines are four times more visible, which is a real advantage when working in bright environments. In addition, the green laser diode is more powerful in comparison with devices that use color conversion from red diodes into green light. It also has a longer lifetime thanks to its lower operating temperature and is more compact. We are already using this technology, with more tools set to follow. Watch this space!

Both combi lasers are powered by an interchangeable 12 volt rechargeable battery which, thanks to the 'Flexible Power System', is compatible with all existing 10.8 and 12 volt professional power tools and chargers.

18 volt rotary hammers: Power coupled with high user protection

We want to offer powerful tools with added value particularly to professionals who work with our products every day. Another example of these is our new GBH 18V-26 and GBH 18V-26 F Professional cordless rotary hammers. They offer power coupled with high user protection, generating an impact force of 2.6 joules – 50 percent more than the current strongest 18 volt rotary hammer. This power is comparable to that of a corded tool.

At the same time, we focus on a high level of occupational health and safety. We have redesigned the shape of the tools and optimized them for ergonomic work – the handle is now in line with the drill axis, for example. This L shape reduces the effort and fatigue involved in working with the tool. In addition, both rotary hammers feature efficient vibration damping. A damping element uncouples the main handle from the hammer drive, reducing vibrations actively. We also use Bosch sensors to reduce the risk of injury caused by kickback. We call this ‘KickBack Control’.

And that's not all: These hammers are our first to feature an active integrated dust extractor. It can easily be attached to the rotary hammer if required – the extraction system has its own motor which is also supplied with power by the rotary hammer battery and extracts dust precisely where it is generated. This makes working healthier, less tiring and gives more precise results.

Efficient, dust-free working on the move: Powerful 18 volt extractors

From our analyses, we know that tradespeople today only spend 30 percent of their working hours performing actual construction activities. The rest of the time is dedicated to preliminary or follow-up tasks such as preparing the vehicle or cleaning the area of application. One solution that we therefore offer professionals is our powerful 18 volt extractors: The GAS 18V-10 L Professional wet/dry extractor for dust class L and the GAS 18V-1 Professional dry extractor. Both provide effective dust extraction with an unusual air flow: A whirl is generated inside the extractor, so that the dust is deposited on the filter more slowly. This preserves the filter and maintains maximum suction power for longer. This saves time. Furthermore, both tools are distinguished by a long runtime. Tradespeople can use, for example, the wet/dry extractor and a fully charged 6.0 Ah battery to extract dust for up to 24 minutes – that would usually serve a kitchen fitter for up to three installations. That is what we call productivity in day-to-day work.

FlexiClick now as a 12 volt version: 5-in-1 cordless drill/driver system

We are also creating added value for the user with the next innovation:

The tried-and-tested FlexiClick system is now also available as a 12 volt version. With its bit holder with bit locking, drill chuck, off-set angle and angle adapters, it is the most versatile system on the market – and the shortest cordless drill/driver in its class. We are also offering the only system whose angle adapter can be combined and used with any of the three other adapters. This means that tradespeople such as carpenters, kitchen installers, furniture makers and exhibition stand builders, who often have to work in very tight spaces, can be more flexible. Furthermore, it is even easier to complete typical tasks using the compact 12 volt system than it is with the more powerful tools in the 14.4 or 18 volt classes. This includes, for example, to loosen or drive screws in areas close to edges on cabinets or drill holes in tight gaps. Even with the 12 volt system, the off-set angle and the angle adapter can be adjusted directly on the tool.

Carbide technology creates new application possibilities

For rapid work progress and high productivity, efficient accessories combined with high-performance power tools are indispensable. We provide both from a single source. Take our accessories with carbide technology: They can be used in circumstances where conventional accessories reach their limits. Our 'Endurance for VehicleRescue' saber saw blades are a good example of this. Available in two different lengths, these were specially developed in order to meet the requirements of life-saving services by the fire department, rescue workers and the Federal Agency for Technical Relief (Technisches Hilfswerk). For example, the saber saw blades cut quickly and safely through A, B and C pillars made from high-alloy steel, car roofs made from metal sheeting, door hinges, as well as windshields made from coated glass. Their special blade geometry has several additional benefits: Thanks to the V-shaped tip, the saber saw blade is easier to guide and does not get stuck in the material. The first tooth on the blade is also designed so that the saw blade can plunge directly into the material to be cut without the need for any time-consuming pre-drilling. The saw blade also has a conical shape. As it is

narrower at the front than at the rear, it enables access to tight spaces that can often not be reached using hydraulic rescue equipment.

The professional selects the saw blade and the most suitable saber saw depending on their individual requirements: For overhead work, for example, the 225 millimeter long 'Endurance for Vehicle Rescue' combined with the powerful GSA 18V-32 Professional, and for extremely tight spots or cuts in glass, the more compact GSA 18V-LI C Professional with 150 millimeter blade. That's what we call systematic problem solving – made by Bosch.

New range of applications – including for jigsaws

Our jigsaw blades with carbide technology also provide solutions for specific application areas. They saw the hardest materials – such as high-strength and high-alloy steels – as well as abrasive materials reliably and with low wear, covering applications which common bi-metal blades cannot deal with. Every blade has a special geometry and a carbide tip which is optimized for the relevant application. The 'Progressor for Wood+Metal' blade, for example, has individually welded carbide teeth and a progressively increasing tooth pitch. As a result, it saws particularly quickly through wood/metal composite materials – typically are metal clad and metal reinforced wooden boards that have screws or hardened nails embedded in them. Using the 'Clean for HPL' jigsaw blade, professionals can make particularly clean cuts in materials such as high-pressure laminates, façade panels or laminate, whereas the 'Clean for Plastic Composites' blade is designed for adjusting cuts in abrasive materials. This includes wood/plastic composite materials, such as terrace panels or fence systems, as well as mineral-organic composites. Our carbide technology therefore makes it possible to handle certain applications with jigsaws for the first time – and these jigsaw blades have a lifetime up to 20 times longer than common bi-metal saw blades. In brief: Faster work results, longer lifetimes, fewer accessory changes – that is how we are increasing productivity in day-to-day work.

Carbide circular saw blades: New sizes for each machine type

Our circular saw blades from the 'Expert for' range also provide a high cutting performance thanks to carbide technology. In the future, we will be able to offer tradespeople an even wider range of applications in this area: We will introduce dimensions for additional machine applications in five series – 'Expert for Wood', 'Expert for ConstructWood', 'Expert for HighPressureLaminate', 'Expert for FiberCement' and 'Expert for SandwichPanel'. The new range will then cover all common models for hand-held or table saws, miter saws, plunge saws or metal dry cutters. This means even more flexibility for numerous trades – for joiners, metalworkers, installers of electrical, sanitary and heating systems, as well as for carpenters, roofers, and formwork, concrete and façade builders.

For every work step: The new diamond range for tilers

Our focus is always on the user and their needs. This, of course, also applies to tilers. Preparing the substrate, cutting-to-size and laying tiles, routing or cutting recesses – for precise results in every work step, we provide tilers with a broad range of tools and accessories from a single source. With the 'Best for Ceramic' diamond milling cutter, the 'Best for Ceramic Dry Speed Set' core drill bit set and the 'Best for Hard Ceramic' diamond cutting disk, we are now expanding our range of products for adapting and cutting tiles to size.

Our diamond milling cutter stands out from comparable competing products thanks to its concave shape. This allows tilers to guide the diamond milling cutter precisely and stably along the workpiece – preventing any slipping. Pre-drilled holes can conveniently be expanded to any shape. A finely tuned diamond grit size ensures rapid work progress and very clean milling at the same time. A further advantage of the Bosch diamond milling cutter is its flat head, as this allows you to work on tiles which have already been laid on the wall.

With the 'Best for Ceramic Dry Speed Set', tradespeople always have the right core drill bit to hand for drilling recesses for water pipes, heating pipes, sockets or water drains. The practical set contains a total of four core drill bits and the diamond milling cutter.

And for precise, tear-free cutting of fine stoneware, we have introduced the new 'Best for Hard Ceramic' diamond cutting disk. Thanks to its consistent segment design and the special diamond structure, it minimizes chipping and scorch marks. The diamond cutting disk is available in four different diameters and fits all common angle grinders. For example, with the 85-millimeter diameter version, tilers can execute square cut-outs measuring 60 by 60 millimeters for sockets even faster.

Bosch innovations for greater productivity in your day-to-day work

To conclude my speech, let me summarize once again the points to take away from this presentation:

- We create innovations for greater productivity in your day-to-day work.
- We focus on cordless tools which provide added value – such as connectivity angle grinders with a user interface and the power of a mains-powered tool.
- We provide power tools and accessories from a single source. We always have the users and their needs in mind.

Thank you for your attention!

Press photos: #959051, #959052

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BOSCH

March 28, 2017
RF 9600-e PT MS

**Focusing on the user:
Bosch Power Tools achieves record sales in 2016**

Speech by Henning von Boxberg,
President of the Robert Bosch Power Tools GmbH
on the occasion of the press conference
in Leinfelden on March 28, 2017

Check against delivery.

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Ladies and gentlemen,

Today, we have offered you a peek behind the scenes. You have seen for yourself how Bosch Power Tools focuses on “User Experience”. We design our products to meet the needs of the user: For the DIY enthusiast, we make things ingeniously simple, for the tradesperson, we offer better productivity. Our focus is on what the user needs and wants – what will make their work as easy as possible. This strategy has proved successful for us and lays the foundation for further growth.

Strategic growth segments: Innovation, online, emerging markets

In the future too, we will capitalize on innovation as a strategic growth segment for Bosch Power Tools. In the areas of batteries, sensors and connectivity of power tools in particular, we are using technical developments for new products and, thereby, creating added value for the user. For example, our “NanoBlade” saw blade technology allows the DIY enthusiast to experience for the first time virtually vibration-free and therefore effortless and precise sawing. For tradespeople, we are offering systems such as “Wireless Charging” for contactless charging of batteries – for increased productivity.

Online has played a significant role for us for a number of years – and its importance continues to grow. Firstly, because we are increasingly connecting our tools. Secondly, because more and more users are going online to find information about the products and to purchase them. We are continuing to invest in the digital area – and have even created a separate unit specifically for this purpose. We are pooling the digital skills of our employees, in order to best serve the needs of the user today, tomorrow and in the future.

We also continue to see great potential for the future in the emerging markets such as Africa. They are home to many first-time users of power tools. These tradespeople, first, need to be convinced that switching from a traditional hand tool to a power tool brings benefits. We are convinced that a crucial factor for success in the emerging markets is the availability of affordable products and on-site service. We therefore plan to introduce 20 new products

in Africa in 2017 alone – a whole range of professional products that are affordable, durable and easy to maintain. We are also building our own sales organizations in Africa and creating a tight network of service centers in order to meet local needs.

The key to success: Innovative strength

One important key to our success is our innovative strength. In 2016, we achieved around one-third of our turnover from products that are less than two years old. It is innovations such as our “Wireless Charging” System for inductive charging of batteries, our multifunction tools with accessories that can be changed in just three seconds and our rotary hammers with sensors that reduce kick-back and can therefore minimize the risk of injury that make us stand out in the market.

Our consistent focus on the needs of the user is paying off: In 2016, we sold more than 50 million power tools. Every second, somebody, somewhere in the world, buys a Bosch power tool. Statistically, it even amounts to 1.5 power tools per second. One product guaranteeing our success now and in the future is the Ixo. Since its market launch in 2003, we have sold more than 16 million of these little cordless screwdrivers. The tool, which has earned itself a cult status, is now able to offer much more than simply driving screws: Opening wine bottles, seasoning dishes, lighting barbecues, drilling, cutting through various materials – the Ixo can do all this and more!

Another potential record holder is our Zamo range of measuring devices. Since its market launch about three years ago, we have sold more than three million of these easy-to-operate, affordable laser measures. What is the secret to its success? The Zamo meets the DIY enthusiast's desire for convenience and simple operation: The user cannot go wrong – simply press the button and the device delivers precise results. This eliminates the need for folding rules or even a second person to help measure longer distances. With the Zamo range, we have created a new market for easy-to-operate, affordable laser measures.

Connectivity with added value

Online is very important to us. We are focusing on connected products. In 2017 alone, we will introduce seven connectable professional tools to the market – ranging from the cordless screwdriver, to a worklight, through to the remote controlled combi laser. Our long-term goal is to connect all of Bosch's professional power tools and thus to offer users an even higher level of convenience – and to increase their productivity.

DIY enthusiasts can also rely on connected products from Bosch, such as the new Indego 400 Connect robotic lawnmower, or various laser measures.

Growth with a focus on the user

Our products are so well received because they are based on "User Experience". Just like the team led by Marc Jost-Benz, whom you met today, we all consistently focus on the user. Any knowledge gained – from product development through to the point of sale – we feed back in. We support the user throughout: Our goal is to provide them with all the necessary information and services and to make working with Bosch power tools as easy as possible for them.

This strategy paid off again in 2016: We increased our sales to a record 4.5 billion euros. In local currency, this represents an increase of seven percent; nominally it equates to four percent. This growth is driven by all regions: In Europe, sales increased by nine percent in local currency, driven primarily by important western European markets, such as Germany, the Iberian Peninsula and the United Kingdom. North America saw a seven percent rise in revenue. Despite lower growth in Brazil and China, Power Tools also recorded an increase in turnover in emerging markets: In Latin America, the company experienced a five percent increase, while the Asia-Pacific region saw a growth of two percent. Our business performed well in India, generating a ten percent increase. On the African continent, Bosch achieved a three percent

growth in revenue. In total, around 85 percent of our turnover in 2016 was generated outside Germany.

With a rise of seven percent in local currency, we have grown much faster than the market – the comparable market growth is just four percent. A similar result is reflected in the German market: We have increased sales by 12 percent. The German market has also grown, with a rise of seven percent, although this is significantly weaker than Bosch Power Tools. Evidently users like to reach for innovative tools from the Bosch brand.

This is a result of our strategy of keeping our focus on the user – in the development of our products and services as well as in sales. We are increasingly seeing a merger of the traditional sales channels. Tradespeople no longer restrict themselves to specialist retail outlets and DIY enthusiasts no longer buy exclusively from hardware stores. And besides, on the Internet, our products for both target groups have been available, side by side, for a long time. What does this mean for us? Since our users are no longer separated by individual channels, we too no longer strictly divide our product range according to those channels. Our sales depend much more on making the right offer to the customer, regardless of the sales channel.

Thus, for example, since the fall of 2016, we have been selling our professional power tools not only at specialist retail outlets, but also at hardware stores. And with success: The demand is high and the users' feedback has been very positive. In the Germany, Austria, Switzerland sales region alone, our professional power tools are now available in more than 1,000 hardware stores. In doing this, we aim to appeal to the professional user who has purchased tools from the hardware store before. So you can see that even here, the user was a crucial factor in our decision – we offer our products wherever the user searches and buys them. Of course, this means that the specialist retailer continues to be the most important sales channel for Bosch professional power tools.

Focusing on the user – even in communication

In order to properly address the respective target group, our new brand communication focuses even more strongly on the DIY enthusiast and the tradesperson together with their needs.

In this globalized, over-stimulated world, the individual home is becoming increasingly important. It is no longer about repairing things; it is about creating an individual home, idea by idea, project by project – based on your own ideas, desires and imaginings. And above all, to do it with your own hands. We put ourselves in the shoes of the DIY enthusiast, inspire and motivate them – through construction manuals, for example, or tips and dialogue in social media. We offer our help – and, of course, the right tool for the "Home made by you".

The new communication for professionals is also focused on the user and their needs. "It's in your hands". What do we mean by this? The professional has the expertise – we provide them with the right products and services to optimally use this expertise and, thus, to perform their tasks as efficiently as possible. We consider ourselves to be a partner to trade and industry. For us, "User Experience" means that we combine our skills with those of the professionals, working together to achieve one goal: Optimum results and maximum productivity.

Forecast: Further growth by focusing on the user

In 2017, we want to grow further by having this close communication with the users. In Germany, we will again launch more than 100 new products onto the market – focused on the needs of the user.

To conclude this talk, I would like to briefly recap the most important points:

- Bosch Power Tools achieved record sales in 2016.
- We sold more than 50 million power tools.
- Our growth is driven by all of the regions.
- We are growing faster than our competitors.

- We see this as a reinforcement of our strategic growth segments: Innovation, online and emerging markets.
- The DNA of our success is our consistent focus on the user and their needs.

Thank you for listening!

Press photo: #959051

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Interchangeable adapters offer maximum flexibility: **Bosch AdvancedImpact 18 QuickSnap** New cordless combi drill system for DIY enthusiasts

March 28, 2017

PI 9601 PT MS

- ▶ 18 volt combi drill with three different adapters
- ▶ The QuickSnap interface makes changing adapters particularly easy
- ▶ Maximum flexibility and precision use in hard-to-reach areas
- ▶ Expansion of the “Power for All” battery system

A powerful 18 volt cordless combi drill which uses different adapters to master virtually any task: With the AdvancedImpact 18 and three matching adapters Bosch offers for the first time a cordless combi drill system for DIYers. Its field of application ranges from conventional screwdriving to drilling into wood and metal as well as impact drilling into masonry – and the QuickSnap adapters make the tool even more versatile. If they wish, DIYers can combine the AdvancedImpact 18 QuickSnap with a drill chuck, an eccentric or an angle screw adapter, allowing them to work precisely even in hard-to-reach areas. This includes, for example, loosening screws and screwing close to edges of cabinets or drilling in tight spaces.

QuickSnap: Simply click into place and you're good to go!

To fit an adapter using the AdvancedImpact 18 QuickSnap, DIYers only need to push it into the QuickSnap interface on the combi drill. It then automatically clicks into place and is ready to use right away. A ring, marked in red, helps to change the adapter just as quick: It simply needs to be pulled forward to release the adapter.

A cordless combi drill system for virtually any task

The AdvancedImpact 18 QuickSnap has a magnetic bit holder and can be used for screwdriving, even without any adapters. Torques of up to 19 newton meters for screwing in wood and 38 newton meters for screwing in metal ensure a fast work progress. Anyone who wants to drill holes, can turn to the drill chuck adapter. It can be used for round-shank drill bits of up to 10 mm in diameter and enables DIYers to powerfully drill holes into masonry thanks to the AdvancedImpact



18 QuickSnap's impact function. For any application that does not require the use of an impact drill, such as drilling into wood or metal, the drill chuck adapter can also be combined with the angle screw adapter. This allows DIYers to screw and drill holes around corners, and it can be locked in eight different positions. When using the AdvancedImpact 18 QuickSnap with the eccentric adapter, DIYers can screw precisely as close as 10 mm from the edge. Like the angle screw adapter, the eccentric adapter can also be locked in eight different positions and has a hex socket as well as a magnetic bit holder.

A smart combination: "Power for All" from Bosch

The AdvancedImpact 18 QuickSnap is part of the "Power for All" battery system, which comprises DIY and garden tools. Twenty different power tools, from grass trimmers to rotary hammers, can currently be operated using the same 18 volt lithium-ion battery. This eliminates redundant batteries and chargers and saves DIYers money, too. A "Power for All" logo on the packaging indicates which tools belong to the system.

The AdvancedImpact 18 QuickSnap will be available from autumn 2017 onwards. All prices are recommended retail prices including VAT. Subject to change.

| Specifications | AdvancedImpact 18 QuickSnap |
|---|---|
| Battery voltage/capacity | 18 V/1.5 Ah |
| Combi drill dimensions (length x height x width) | <ul style="list-style-type: none">• 160 x 217 x 81 mm (excluding adapter, including battery)• 160 x 190 x 57 mm (excluding adapter, excluding battery) |
| Max. torque (soft/hard) | 19/38 Nm |
| No load speed (1st gear/2nd gear) | 400/1350 rpm |
| Torque settings | 20 + 2 |
| Max. impact rate | 21,700 rpm |
| Bit holder | Hex socket |
| Max. drilling diameter in wood/steel/masonry | 30/10/10 mm |
| Max. screw diameter | 8 mm |
| Weight including battery | 1.14 kg |
| QuickSnap adapters | <ul style="list-style-type: none">• Drill chuck adapter• Angle screw adapter• Eccentric adapter |
| Scope of delivery/ recommended retail price including VAT | <ul style="list-style-type: none">• Set 1: Three adapters, one 1.5-Ah battery and a quick charger: €239.99• Set 2: Three adapters, two 1.5-Ah batteries and a quick charger: €259.99 |

Press photos: #959054, #959055, #959056, #959057

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Flexible all-rounders in the 18 and 12 volt classes: **Bosch cordless multifunction tools for DIYers** “Starlock” accessory interface for a range of applications

March 28, 2017

PI 9602 PT MS

- ▶ Models in different volt classes: AdvancedMulti 18 and UniversalMulti 12
- ▶ Convenient, tool-free accessory change within seconds thanks to “AutoClic”
- ▶ Expansion of the “Power for All” battery system

Bosch is expanding its range of multifunction tools with the addition of two versatile cordless versions in the 18 volt and 12 volt classes: The AdvancedMulti 18 and UniversalMulti 12 are the first cordless DIY tools to feature both a “Starlock” accessory interface and the Bosch “AutoClic” mounting system. They are also part of Bosch’s “Power for All” battery system. This enables DIYers to use existing batteries and chargers from the same volt class for the new tools as well.

The “Starlock” interface jointly developed by Bosch and Fein, two leading suppliers of oscillating power tools, ensures optimal power transfer from the tool to the accessory, resulting in higher performance, faster work progress and more precise results. The “AutoClic” mounting system enables accessories to be changed in a matter of seconds, without the need for tools: Like a ski boot being inserted into a binding, the accessory is fixed into the attachment with just one click. To release the accessory, the user can simply turn the lever on the tool head.

All-rounders for a variety of projects

Whether sawing, cutting, scraping or sanding – the new cordless multifunction tools can complete all tasks quickly and conveniently. If projects such as laying parquet are planned, DIYers can rely on the powerful AdvancedMulti 18. With its additional anti-vibration handle, it can be guided extremely simply and precisely, for example along walls. Thanks to a 180 degree LED light band, even dark working areas are well-illuminated at all times.

The UniversalMulti 12 is ideal for small, occasional repair or adjustment tasks such as shortening a door frame or replacing a broken tile. It is more compact than the 18-volt model and can be equipped with an anti-vibration handle as an



option. An integrated LED light provides good visibility when working in dark areas.

Both cordless multifunction tools feature Constant Electronic, keeping the power at the same level, even under high load. Their depth stop attachment with four settings enables precise cuts with a defined depth. The continuously adjustable speed wheel makes it possible to adjust the oscillation to a wide variety of materials. A dust extraction system can be connected by means of an adapter.

Accessories for any application, one battery for multiple tools

When it comes to accessories, DIY enthusiasts can choose from the wide “Starlock” range, which includes unique components such as a sanding finger for working in extremely confined spaces. A simple color guide system helps to choose the appropriate “Starlock” accessory out of the 32 that are currently available: A color marking on the accessory indicates the appropriate material, for instance gray for wood and blue for metal.

The AdvancedMulti 18 and UniversalMulti 12 are part of Bosch’s “Power for All” system, which includes DIY and garden tools. This means that the same 18 volt lithium-ion battery can be used to operate a current total of 20 power tools in the 18-volt family while the 12-volt battery is compatible with all 14 tools from the 12-volt range currently available. This eliminates redundant batteries and chargers and saves DIYers money, too. The “12” in the UniversalMulti 12 indicates the maximum battery voltage of 12 volts. It has replaced the previous nomenclature of 10.8 volts, the average battery voltage specification. All 10.8 and 12-volt DIY power tools and batteries from Bosch are intercompatible.

The AdvancedMulti 18 and UniversalMulti 12 cordless multifunction tools will be available from July 2017. The prices are recommended retail prices including VAT. Subject to change.

| Specifications | AdvancedMulti 18 | UniversalMulti 12 (replaces PMF 10.8 LI) |
|--|--|--|
| Max. battery voltage | 18 V | 12 V |
| Battery capacity | 2.5 Ah | 2.5 Ah |
| Oscillation | 10,000 – 20,000 opm | 10,000 – 20,000 opm |
| Oscillation angle | 2.8° | 2.8° |
| Weight | 1.4 kg | 1.1 kg |
| Scope of delivery and recommended retail price | <ul style="list-style-type: none"> As a set with a 2.5 Ah battery and fast charger: €199.99 Without battery and charger: €129.99 | <ul style="list-style-type: none"> As a set with a 2.5 Ah battery and fast charger: €159.99 Without battery and charger: €109.99 |



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Press photos: #959058, #959059, #959060

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The Robert Bosch Power Tools GmbH, a division of the Bosch Group, is one of the world's leading providers for power tools, power tool accessories and measuring tools. In 2016, its roughly 20,000 associates generated sales of 4.5 billion euros, about 85 percent of which outside of Germany. With brands such as Bosch and Dremel, the division stands for customer focus and great engineering progress. The core success factors are innovative strength and pace of innovation. The division generated about one third of its sales in 2016 with products that have been on the market for less than two years. In 2017, Bosch Power Tools will again launch more than 100 new products onto the German market in its four business segments power tools, accessories, measuring tools and garden tools.

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Flexibility with maximum control and high user protection: **AdvancedGrind 18 from Bosch for do-it-yourselfers** 18-volt angle grinder for versatile applications

March 28, 2017

PI 9603 PT MS

- ▶ Restart protection, soft start and braking function for controlled working
- ▶ Speed pre-selection for various materials
- ▶ Optimum power and maximum runtime thanks to the “Syneon Chip”
- ▶ Expansion of the “Power for All” battery system

The AdvancedGrind 18 is the first cordless angle grinder from Bosch for do-it-yourselfers. This powerful 18-volt tool offers flexibility combined with a high level of user protection: An integrated restart protection ensures that the angle grinder does not accidentally run on after a power failure. Additionally, it stands out among comparable competitor models thanks to its speed pre-selection for material-specific working, its soft-start function for a smooth start, and an integrated brake function which stops the disk within two seconds after the tool is switched off. This gives do-it-yourselfers complete control of this all-round angle grinder for every application.

One tool for many applications: Comfortable cutting, grinding and brushing

The variable speed pre-selection makes the AdvancedGrind 18 especially versatile. It enables do-it-yourselfers to cut, grind and brush a variety of materials from steel and aluminum to stainless steel. Users benefit from a range of further features designed to make work easier, such as a switch lock, a protective guard that can be adjusted without use of tools, and a spindle that can be fixed at the touch of a button, allowing the accessories to be removed and reattached quickly and easily. In addition, the angle grinder’s ergonomic shape with a slim handle and softgrip coating, as well as its low weight of just two kilograms – including the 2.5 Ah battery – guarantee comfortable handling.

Optimum power and maximum runtime thanks to the “Syneon Chip”

The AdvancedGrind 18 is faster and more powerful than comparable competitor tools. For example, it can cut through a twelve millimeter rebar in just five seconds – up to 50 percent faster than equivalent competitor tools. The basis for



this superior performance is the optimum coordination of key components such as the motor and the gearbox, combined with an intelligent electronic system called the “Syneon Chip”. This gives do-it-yourselfers optimum power and maximum runtime at all times for every project. What's more, the AdvancedGrind 18 runs on full power until the battery is empty – right up to the last second of cutting or grinding.

A smart combination: “Power for All” from Bosch

The AdvancedGrind 18 is part of the “Power for All” battery system which comprises DIY and garden tools. Twenty different power tools, from grass trimmers to rotary hammers, can currently be operated using the same 18-volt lithium-ion battery. This eliminates redundant batteries and chargers and saves DIYers money, too. A “Power for All” logo on the packaging indicates which tools belong to the system.

The AdvancedGrind 18 cordless angle grinder will be available from autumn 2017 onwards. All prices are recommended retail prices including VAT. Subject to change.

| Specifications | AdvancedGrind 18 |
|--|---|
| Battery voltage | 18 V |
| No-load speed | 2800 – 10,000 rpm |
| Disc diameter | 125 mm |
| Spindle | M14 |
| Dimensions without battery (length x width x height) | 345 x 136 x 120 mm |
| Weight without battery | 1.7 kg |
| Scope of delivery/recommended retail price including VAT | Tool without battery and charger: €139.99 |

Press photos: #959061, #959062, #959063

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18 volt random orbit sander with ergonomic design: **AdvancedOrbit 18 from Bosch for do-it-yourselfers** Convenient sanding and polishing

March 28, 2017

PI 9604 PT MS

- ▶ Comfortable working thanks to ergonomic design with additional front handle
- ▶ Speed pre-selection for various materials and delicate surfaces
- ▶ Optimum power and maximum runtime thanks to the “Syneon Chip”
- ▶ Expansion of the “Power for All” battery system

Sand and polish effortlessly in any position, even for large projects: With the AdvancedOrbit 18, Bosch is expanding its 18 volt system for do-it-yourselfers with the addition of an especially handy cordless random orbit sander. Thanks to its design, which features a well balanced elongated handle and is similar to that of current corded tools, it stands apart from comparable battery-powered competitor models, which have the common tower-shaped design. The AdvancedOrbit 18 is additionally equipped with a softgrip covering, as well as an adjustable and removable front handle. This enables the do-it-yourselfer to comfortably hold and maneuver it from any direction with both hands – both overhead and close to the ground – for example, when sanding doors. With its variable speed setting, the AdvancedOrbit 18 is well suited to a variety of applications: from sanding wood and chipboard to polishing plastic and varnished surfaces.

Optimum power and maximum runtime for large projects

The new cordless random orbit sander enables even large surfaces to be sanded and polished, achieving rapid work progress. Compared to similar competitor models with an equivalent battery and the same ampere hours, the AdvancedOrbit 18 allows users to sand an area up to one and a half times larger in size. The basis for this superior performance is the optimum coordination of key components such as the motor and the gearbox, combined with an intelligent electronic system called the “Syneon Chip”. This gives do-it-yourselfers optimum power and maximum endurance at all times for every project. It provides nearly comparable working progress as the corded PEX 300 AE tool. What’s more, the Advanced Orbit 18 runs on full power until the battery is empty – right up to the last second

of sanding. Three integrated LEDs keep the user informed of the battery charge status at all times.

A smart combination: “Power for All” from Bosch

The AdvancedOrbit 18 is part of the “Power for All” battery system which comprises DIY and garden tools. Twenty different power tools, from grass trimmers to rotary hammers, can currently be operated using the same 18 volt lithium-ion battery. This eliminates redundant batteries and chargers and saves DIYers money, too. A “Power for All” logo on the packaging indicates which tools belong to the system.

The AdvancedOrbit 18 cordless random orbit sander is available now. It comes with an integrated dust extraction system with a micro-filter and a transparent dust box which allows the user to see how full it is at any time. Do-it-yourselfers can choose from a wide range of accessories for a variety of projects. Subject to change.

| Specifications | AdvancedOrbit 18 |
|--|--|
| Battery voltage | 18 V |
| No-load speed | 3,000 - 12,000 rpm |
| Sanding pad diameter | 125 mm |
| Dimensions (length x height x width) | 285 x 150 x 125 mm |
| Weight without battery | 1.4 kg |
| Scope of delivery/recommended retail price including VAT | Tool without battery and charger: €89.99 |

Press photos: #959064, #959065

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Small, compact and handy: **New generation of Bosch vacuum cleaners for DIYers** The right tool for every application

March 28, 2017

PI 9605 PT MS

- ▶ Expanded product range: Three corded tools and one 12 volt vacuum cleaner
- ▶ Convenience: Easy to transport, space-saving storage of accessories
- ▶ Health protection: Universal adapter for dust-free work with power tools

Four for all use cases: By expanding its current range of vacuum cleaners, Bosch is offering DIYers the perfect tool for every application – from the high-performance wet/dry vacuum cleaner with 1200 watts through to the versatile 12 volt tool. What the corded AdvancedVac 20, UniversalVac 15, EasyVac 3 and the cordless EasyVac 12 have in common: They are small and compact and therefore very handy. All four models can be used without a dust bag. Moreover, the corded tools are provided with elastic bands, which can be used to secure the hose easily and conveniently, and an integrated accessory holder. They can be transported particularly easily and stored away without taking up much space – the required accessories are always to hand. In addition, their scope of delivery includes a universal adapter, which enables connection to every Bosch power tool in the current DIY range. This allows DIYers to extract dust as it is produced during sanding, sawing and routing.

AdvancedVac 20: Powerful wet/dry vacuum cleaner with large container

With 1200 watts, the AdvancedVac 20 is the most powerful of the four new vacuum cleaners. As a wet/dry vacuum cleaner, it is extremely versatile and can also take up large volumes of water – if the washing machine has leaked, for example. Its shock-resistant and non-corrosive container holds up to 13.5 liters of liquid and has a volume of 20 liters. It also has a valve for easily draining off liquid that has been taken up, rollers for convenient transport and stands out from the competition with an anti-static hose. The air flow can be switched from vacuuming to blowing in order to clean hard-to-reach areas. The AdvancedVac 20 also has an automated start/stop mechanism for use in combination with a power tool: The vacuum cleaner starts and stops automatically as soon as the power tool is switched on or off.

**UniversalVac 15: Compact and versatile wet/dry vacuum cleaner**

The UniversalVac 15 is designed for taking up 8.5 liters of liquid – and with a volume of 15 liters, it is more compact than the AdvancedVac 20. Thanks to rollers and its smaller dimensions, it is particularly easy to transport for use in the garage or on the patio, for example. The wet/dry vacuum cleaner also extracts coarse dirt, while having a shock-resistant and non-corrosive container, as well as a blowing function for cleaning hard-to-reach areas.

EasyVac 3: Dry vacuum cleaner for the workshop

As a dry vacuum cleaner with 700 watts, a container volume of 2.1 liters and an automated start/stop mechanism, the EasyVac 3 is particularly suitable for use in the workshop. It sits conveniently on your workbench. To make it especially handy when combined with a power tool, its dust box is as large as necessary and as compact as possible. DIYers can saw more than 13 meters with a hand-held circular saw or depending on the type of sanding paper, they can work with a random orbit sander for up to 180 minutes before having to empty the dust box in a few easy movements. The dust box itself is transparent so that DIYers can always see how full it is.

EasyVac 12: The 2-in-1 vacuum cleaner that gets everywhere

The EasyVac 12 cordless hand-held vacuum cleaner is recommended for quick in-between cleaning and can also be used as a floor vacuum cleaner thanks to an extension tube. It is bagless, extremely compact and, weighing just one kilogram including the 12 volt battery, it is also very light. The EasyVac 12 is quiet and versatile: Its crevice nozzle enables users to clean the gaps between car seats or the keyboard of your PC. Together with the brush nozzle, it can be used to clean furniture carefully. It also has a floor nozzle for use on floors. The EasyVac 12 stands out with a long runtime of 22 minutes per battery charge. The basis for this superior performance is the optimum coordination of key components such as the motor and the gearbox, combined with an intelligent electronic system called the "Syneon Chip". This gives DIYers optimum power and maximum runtime for every project and full power until the battery is empty. Other benefits of the EasyVac 12 include a transparent dust box, which can be emptied and replaced in just a few movements, as well as three integrated LEDs, which indicate the battery charge at all times.

The EasyVac 12 is part of the "Power for All" battery system for DIY and garden tools. Fourteen power tools can currently be operated using the same 12 volt lithium-ion battery. This eliminates redundant batteries and chargers and saves DIYers money, too. A "Power for All" logo on the packaging indicates which tools belong to the system. All 10.8 and 12 volt tools and batteries are compatible.

The cordless EasyVac 12 vacuum cleaner is available from now onwards, the corded AdvancedVac 20, UniversalVac 15 and EasyVac 3 vacuum cleaners are available from April 2017 onwards. All prices are recommended retail prices including VAT. Subject to change.

| Specifications | AdvancedVac 20 | UniversalVac 15 | EasyVac 3 |
|--|---|---|--|
| Rated power input | 1200 W | 1000 W | 700 W |
| Tool type | Wet/dry vacuum cleaner | Wet/dry vacuum cleaner | Dry vacuum cleaner |
| Container volume/liquid capacity | 20/13,5 l | 15/8,5 l | 2.1/ - l |
| Max. vacuum pressure | 260 mbar | 240 mbar | 240 mbar |
| Max. air flow | 70 l/s | 65 l/s | 35 l/s |
| Filter | Cartridge filter | Cartridge filter | Flat-fold filter |
| Hose length | 2,2 m | 2,2 m | 2,2 m |
| Dimensions (length x height x width) | 360 x 499 x 365 mm | 360 x 431 x 365 mm | 432 x 254 x 229 mm |
| Weight | 7.6 kg | 6.9 kg | 4.3 kg |
| Scope of delivery/recommended retail price including VAT | Suction tubes, floor nozzle with two interchangeable inserts (wet with two rubber lips, dry with two brush strips), crevice nozzle, universal adapter, anti-static hose, handle, dust bag, pre-filter and filter: €149.99 | Suction tubes, floor nozzle with wet/dry inserts (one rubber lip, one brush strip), crevice nozzle, universal adapter, hose, handle, dust bag, pre-filter and filter: €109.99 | Floor nozzle, crevice nozzle, universal adapter, hose, dust bag, flat-fold filter and pre-filter: €99.99 |

| Specifications | EasyVac 12 |
|--|---|
| Battery voltage/capacity | 12 V/2.5 Ah |
| Runtime with 2.5 Ah battery pack | 22 mins |
| Container volume | 380 ml |
| Max. vacuum pressure | 53 mbar |
| Max. air flow | 20 l/s |
| Filter | Flat-fold filter |
| Dimensions (length x height x width) | 419 x 125 x 80 mm |
| Weight including battery | 1.0 kg |
| Scope of delivery/recommended retail price including VAT | <ul style="list-style-type: none"> A set with a 2.5 Ah battery and quick charger, two suction tubes, crevice nozzle, floor nozzle, brush nozzle and nozzle holder: €109.99 Tool with two suction tubes, crevice nozzle, floor nozzle, brush nozzle and nozzle holder, without battery and quick charger: €59.99 |

Press photos: #959066, #959067, #959068, #959069, #959070

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Easy check and documentation: **UniversallInspect inspection camera from Bosch** New product in the detection range for DIY enthusiasts

March 28, 2017

PI 9606 PT MS

- ▶ Quick check of dark, hard-to-reach areas all around the home
- ▶ Many possible applications, simple documentation
- ▶ Self-explanatory operation for everyone

For the first time, Bosch is launching an inspection camera for DIY enthusiasts: With the UniversallInspect, you can easily inspect dark and hard-to-reach areas all around your home or car yourself, and then document the results as an image. The camera is equipped with a camera head that is just eight millimeters in size, meaning that it can access even very small openings. The possible applications are almost unlimited: Using the UniversallInspect, DIY enthusiasts can, for example, detect blockages in drains, pipes, gutters and downpipes or inspect the inside of household appliances, such as washing machines or dryers, for defects. Above all, the UniversallInspect offers valuable assistance when renovating old building stock. It enables you to look into cavities, such as raised or intermediate floors, drywalls or suspended ceilings – for example, in order to locate cable and pipe routes before carrying out renovation work. The inspection camera is also a useful aid in everyday life: A look behind the cupboard or under the sofa will show you whether the item you have lost is hiding there. Even when inspecting a car, the UniversallInspect takes a good picture: Rust spots or faulty hoses are easy to find.

Self-explanatory operation for everyone – simple documentation

Handling the UniversallInspect is self-explanatory. All of the functions can be easily selected using just six buttons. In addition to the on/off switch, the device has a button to set the brightness or select the black-and-white mode, which offers optimum contrast for highly reflective surfaces. The inspection camera has an up to 2x digital zoom, two luminous intensities and the option to rotate the image by 180 degrees so that you have a better view of the object that you are inspecting. Another button allows the user to trigger the image capture and view the photos in gallery mode again. The internal memory offers space for up to

eight images. All results can be clearly viewed on the 2.31 inch color display with a resolution of 320 x 240 pixels. If you want to save more images and further edit the results on a PC – for example, to forward them to a tradesman – you can use a MicroSD card as an option.

Thanks to its ergonomic shape and its light weight of just 390 grams, the device sits nicely in your hand. You can operate it with one-hand without any problems, while using your second hand to guide the camera cable. After use, you can wind this cable around the device and store it in the supplied carry bag along with the inspection camera.

The UniversalInspect is available from August 2017 onwards. The scope of delivery includes a wide range of accessories, which further expand the possible applications of the UniversalInspect: DIY enthusiasts can use a mirror to look around corners and explore difficult-to-see bends. You can use a hook to loosen small, lightweight and loose objects or remove them with a mini-magnet. Subject to change.

| Specifications | UniversalInspect |
|---|---|
| Display size | 2,31" |
| Display resolution | 320 x 240 px |
| Camera head diameter | 8 mm |
| Length of the camera cable | 95 cm |
| Protection class against water and dust for the camera head and cable (without housing) | IP 67 |
| Magnification | Two-stage: 1.5 and 2-times zoom |
| LED lighting | Three-stage: 0/50/100% |
| Power supply | 4 x 1.5 V LR6 (AA) batteries |
| Running time with full batteries | Approx. 4 hours |
| Weight including batteries | 390 g |
| MicroSD card that can be inserted | Device supports cards from 4 to 32 GB in the Fat32 format |
| Scope of delivery/recommended retail price including VAT | 4 x 1.5 V LR6 (AA) batteries, protective carry case, hook, mirror, magnet, two brackets: €99.99 |

Press photos: #959071, #959072, #959073

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Particularly versatile and precise: **Dremel 4300 multitool** Multi chuck attachment to change accessories easily

March 28, 2017

PI 9607 PT MS

- ▶ Work with precision: Continuously adjustable rotating LED light in the tool head
- ▶ Exceptionally comfortable: Softgrip and redesigned airflow system
- ▶ For any job: High-performance motor, constant electronics and speed pre-selection

One tool for diverse projects with a high level of precision: Dremel is extending its existing range of multitools with a tool that is extremely versatile – the Dremel 4300. For the first time, the new multitool features a multi chuck, which enables the accessories – regardless of their size and shaft – to be changed in a matter of seconds without the need for any tools. The drill chuck accepts accessories with a diameter of 0.4 to 3.4 mm and is therefore suitable for the entire range of Dremel accessories. It can also be used on all other Dremel multitools. In addition, the Dremel 4300 comes with an LED light which can be continuously adjusted to rotate around the tool head. This means that demanding DIY enthusiasts and hobbyists always have an optimum line of sight for their project – whether this involves grinding, cutting, polishing or engraving – and can therefore work in a particularly controlled manner with a high level of precision.

Easy to handle and comfortable

Compared to its predecessor model, the Dremel 4300 has been redesigned to make the tool easy to control and particularly comfortable to use. The softgrip features and airflow system have been optimized. The multifunction tool is particularly easy to handle and quiet when in use. The tool therefore offers a high level of comfort even when used for demanding jobs.

Always the right output for demanding jobs

Carving, engraving, cutting, grinding, sharpening, polishing or cleaning – the Dremel 4300 always provides the right output for every job and every material. With a powerful high-performance motor of 175 watts, it can master even the most demanding tasks such as cutting and separating work in hardwood, metal

and aluminum. Under load, its constant electronics automatically supply additional power and the tool provides the desired power for working with both soft and hard materials. The speed can be continuously adjusted from 5000 to 35,000 revolutions per minute using a precision control to adapt it to the material you are working on.

The Dremel 4300 will be available at retail outlets from September 2017 onwards. Dremel offers a comprehensive range of accessories for its multi-tools. Subject to change.

| | |
|--|---|
| Specifications | Dremel 4300 (replaces Dremel 4200) |
| Rated power input | 175 W |
| Speed range | 5000 – 35,000 rpm |
| Weight | 0.66 kg |
| Scope of delivery/recommended retail price including VAT | Carry case including tool holder, line and circle cutter, multi-purpose cutting and protective guard attachment and 45 accessory parts for €159 |

Press photos: #959074, #959075, #959076

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Dremel is one of the leading providers of precision power tools for do-it-yourself experts and hobbyists. The brand aims to combine innovative tool solutions, functionality and sophisticated design. Dremel was founded by Albert J. Dremel in Wisconsin, USA, in 1932. Today, the company is part of the global Bosch Group. The company's products are available in more than 90 countries. Dremel's European head office is located in Breda, in the Netherlands.

Their product range includes compact tool systems (e.g. compact saws and glue guns), benchtop tool systems (e.g. scroll saws) and rotary tool systems (multitools). A wide range of accessories and attachments can be ordered to further enhance the versatility of the tools. The innovative 3D technology used in the Dremel 3D Idea Builders is another valuable addition to the product range.

For more information, please visit www.dremel.com or www.dremel3D.com.



Increased efficiency and ease of use for professionals: **World's first connectivity angle grinders from Bosch** Cordless tools as powerful as mains-powered tools

March 28, 2017

PI 9608 PT MS

- ▶ User interface and integrable Bluetooth module for even greater ease of use
- ▶ 35 percent more power and double runtime thanks to EC motor and high-performance battery
- ▶ Efficient cutting and grinding with increased occupational health and safety

Tradespeople who rely on efficiency and ease of use can, in future, turn to the new generation of professional cordless angle grinders from Bosch: The GWS 18V-115 and -125 C Professional, as well as the GWS 18V-115, -125 and -150 SC Professional. These are the world's first angle grinders to have a connectivity function: Thanks to an integrable Bluetooth module and the "MyTools" function in the Bosch Toolbox app, users can connect the new cordless angle grinders to their smartphone. This enables professionals to personalize their tool, configure it individually, and to call up all of the available tool information, such as the serial number and production date. Users also receive information regarding the status of their tools as well as tips for troubleshooting, for instance if one of their tools shuts down due to overheating, directly on their smartphone. Furthermore, the GWS 18V-115, -125 and -150 SC Professional angle grinders come with a multi-functional user interface for the first time, which means that professionals always have an overview of their tool's status.

Everything under control thanks to the user interface

On the tool, the user interface informs users about the tool status, the charging status and if the tool is overheating. Furthermore, it offers an easily adjustable three-stage speed preselection. The speed is easily adjusted at the touch of a button to suit the material and accessories in order to achieve optimum work results. The LED light is also helpful as it makes it easier to work in dark areas.

EC motor and high-performance battery for increased power and runtime

The new generation of cordless angle grinders offers up to 35 percent more power and a battery runtime that is up to 100 percent longer than previous 18 volt models, which had a 5.0 Ah battery. The basis for this is its brushless EC motor and the new high-performance GBA 18 V 6.3 Ah EneRacer Professional

battery. When combined, they give the tools power that is similar to that of a 1 000 W mains-powered tool. This means that the cordless angle grinders can now also be used for extremely power-intensive applications, such as longer cutting or grinding applications – and, for the first time, the range includes a cordless angle grinder with a 150 millimeter disk for a greater cutting depth.

In the EneRacer battery, improved power connectors and a new manufacturing procedure – laser welding – ensure lower resistance, which means that higher currents can be drawn from the battery pack over a longer time. This results in increased power that can be used while also having the most compact battery size and the lowest weight compared to other high-performance batteries in the 18 volt class. Thanks to the improved CoolPack technology, the GBA 18 V 6.3 Ah EneRacer Professional also offers a 135 percent longer lifetime when compared to a conventional battery pack. Furthermore, if you buy a battery from Bosch, you can use it immediately without having to worry about whether it is compatible: the Flexible Power System from Bosch guarantees compatibility with all existing professional power tools and chargers within a volt class.

Improved ergonomics with increased occupational health and safety

The connectivity angle grinders sit comfortably in the hand thanks to a grip circumference of just 156 millimeters and a weight of 2.8 kilograms, including 6.3 Ah battery, and guarantee low-fatigue work. They also stand out thanks to increased user protection: They are the first angle grinders in the world to have “Drop Control”. If the tool falls, this function immediately switches it off as soon as it hits the floor. The new cordless angle grinders also have “KickBack Control”: If the integrated sensor detects a sudden blockage of the angle grinder – for example, if the disk jams – the integrated sensor immediately switches off the motor. The “Intelligent Brake System” ensures that the disk comes to a complete stop within just two seconds. This equipment is rounded off by soft start, start-up protection and an additional handle with vibration damping.

The angle grinders with connectivity and the high-performance GBA 18 V 6.3 Ah EneRacer Professional battery are available now from specialist retail outlets. They are complemented by the comprehensive range of Bosch accessories with cutting, flap, diamond and grinding disks, brushes and dust guards. All prices are recommended retail prices excluding VAT. Subject to change.

| Specifications | GWS 18 V-115 and -125 C Professional | GWS 18 V-115 and -125 SC Professional | GWS 18 V-150 SC Professional |
|--|--|---|-------------------------------------|
| Battery voltage/capacity | 18 V/5.0 Ah | 18 V/6.3 Ah | 18 V |
| Connectivity functions | Yes | Yes | Yes |
| HMI display | No | Yes | Yes |
| Disc diameter | 115/125 mm | 115/125 mm | 150 mm |
| No-load speed | 9,000 rpm | 4,500-9,000 rpm | 4,000-7,500 rpm |
| Cutting depth 115 series/125 series disk | 28/34 mm | 28/34 mm | 46 mm |
| Spindle | M14 | M14 | M14 |
| Dimensions (length x height) | 368 x 260 mm | 368 x 260 mm | 368 x 260 mm |
| Weight | 2.6 kg incl. battery | 2.8 kg incl. battery | 2.0 kg (without battery) |
| Scope of delivery/Recommended retail price excluding VAT | <ul style="list-style-type: none"> In the L-Boxx with 5.0 Ah battery and GAL 1880 CV Professional quick charger: €529 | <ul style="list-style-type: none"> In the L-Boxx with the high-performance GBA 18 V 6.3 Ah EneRacer Professional battery and GAL 1880 CV Professional quick charger: EUR 599 Solo tool "Clic & Go": €259.99 | Solo tool "Clic & Go": €259.99 |

| Specifications | GBA 18 V 6.3 Ah EneRacer Professional |
|--|--|
| Battery voltage/capacity | 18 V/6.3 Ah |
| Charging time with the GAL 1880 CV Professional 80%/100% | 41/55 minutes |
| Dimensions (length x height x width) | 114 x 76 x 64 mm |
| Weight | 0.8 kg |
| Scope of delivery/Recommended retail price excluding VAT | <ul style="list-style-type: none"> Starter set: Two batteries with GAL 1880 CV Professional quick charger: €299 Solo: €189 |

Press photos: #959077, #959078, #959079, #959080

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High precision and easy alignment: **First Bosch combi laser that can be operated via app** Connectivity provides better results

March 28, 2017

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- ▶ Compact and versatile for all long-distance leveling applications
- ▶ Contact-free control of the device and multifunctional mount
- ▶ Dual power supply using lithium-ion rechargeable battery or standard alkaline-battery
- ▶ GCL 2-50 CG Professional: Four times more visible thanks to green laser lines

The GCL 2-50 C Professional and GCL 2-50 CG Professional combi lasers are now available for simple leveling applications at distances of up to 50 m. They are the first combi lasers worldwide which can be controlled via app and Bluetooth interface. With this innovation, Bosch is continuing to expand the possibilities of connected measuring tools and offering tradespeople two new devices which optimize working procedures and increase productivity.

Bluetooth interface for increased precision

For example, the laser lines and plumb points can be switched on and off individually using the new Bosch Leveling Remote App. Each combi laser projects both a vertical and a horizontal laser line onto the wall as well as a centered plumb point on the floor and ceiling. Operating via the app ensures that settings are not accidentally altered when handling the device. Additionally, the combi laser can now also be set up in places which are hard to reach, or where it would be difficult to make precise adjustments to the position of the device. Thereby, work on construction sites is made faster and results are more precise. Moreover, users can adjust the brightness of the lines with the app, for example in order to make them more visible or to preserve battery life. The charge status of the battery and selected mode can also be seen directly in the app. The Bosch Leveling Remote App is available for free in the Google Play Store and in the Apple App Store, and is also part of the Bosch Toolbox App.

Remote-controlled motorized multifunctional mount

Users can work even more flexibly thanks to the RM 3 Professional multifunctional mount, which is motorized and can be controlled via app. Alternatively,

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the RC 2 Professional infrared remote control is also available. Both help tradespeople to align the combi laser with millimeter accuracy at three different speeds clockwise or counterclockwise. This is especially helpful if users are working at a distance from the device or on a ladder, as it allows them to control precision adjustments remotely. The power supply is provided automatically by the combi laser energy source as soon as the laser is inserted into the mount. Both devices are also available with the non-motorized RM 2 Professional mount, which is aligned manually. A variety of attachment options are available for the multifunctional mounts: They can easily be screwed onto drywall or wooden beams, their integrated magnets allow them to be attached to iron girders and other magnetic structural elements, or they can be secured to existing profiles in no time using a clamp.

GCL 2-50 CG Professional with green laser lines

The combi lasers differ in the color of the laser lines they project: The GCL 2-50 C Professional produces red laser lines, whereas the GCL 2-50 CG Professional uses a true green laser diode to project lines. The green laser lines are four times more visible, which is a real advantage when working in bright environments. In addition, the green laser diode is more powerful in comparison with devices that use color conversion from red diodes into green light. It also has a longer lifetime thanks to its lower operating temperature and is more compact.

Tried-and-tested functions such as the dual power supply

Both combi lasers are suitable for a variety of interior work tasks. This includes transferring plumb points for electrical installations or marking reference points, for example in order to place drywalls or for electrical sockets. Proven functions such as the tilt function for diagonal alignment – for installing handrails on staircases, for example – have been retained. The intuitive keypad makes operation easy and the device's leveling accuracy of ± 0.3 millimeters per meter guarantees precise results. Both devices level themselves in less than four seconds and compensate for surface irregularities of up to ± 4 degrees. They are powered either by a replaceable 12 V rechargeable battery from the professional range or with four AA non-rechargeable alkaline batteries together with the AA1 Professional battery adapter. The rechargeable battery is compatible with all 10.8 and 12 V professional tools from Bosch.

The GCL 2-50 C Professional and GCL 2-50 CG Professional combi lasers will be available from April 2017 onwards. All prices are recommended retail prices excluding VAT. Subject to change.

| Specifications | GCL 2-50 C Professional | GCL 2-50 CG Professional |
|--|---|---|
| Laser line/plumb point working range | 20 m (50 m with LR 6 or LR 7 Professional receiver)/10 m | 20 m (50 m with LR 7 Professional receiver)/10 m |
| Laser line/plumb point leveling accuracy | ±0.3/±0.7 mm/m | ±0.3/±0.7 mm/m |
| Leveling time | < 4 s | < 4 s |
| Self-leveling range | ±4° | ±4° |
| Laser diode, laser class Laser lines/plumb points | 630 – 650 nm, < 10 mW/ 630 – 650 nm, < 1 mW | 500 – 540 nm, < 10 mW/ 630 – 650 nm, < 1 mW |
| Laser line/plumb point color | Red/Red | Green/Red |
| Dust and splash protection | IP54 | IP54 |
| Power supply | <ul style="list-style-type: none"> • 12 V lithium-ion battery (rechargeable), • 4 x 1.5 V (AA) batteries (non-rechargeable) | <ul style="list-style-type: none"> • 12 V lithium-ion battery (rechargeable), • 4 x 1.5 V (AA) batteries (non-rechargeable) |
| Dimensions (length x width x height) | 136 x 55 x 122 mm | 136 x 55 x 122 mm |
| Weight with batteries/battery | 0.58/0.62 kg | 0.58/0.62 kg |
| Scope of delivery/Recommended retail price excluding VAT | <ul style="list-style-type: none"> • Device with RM 3 Professional motorized multifunctional mount, clamp, remote control, 12 V rechargeable battery and battery charger: €409 • Device with RM 2 Professional manual multifunctional mount, clamp, AA1 battery adapter and batteries: €309 • Device with RM 2 Professional manual multifunctional mount, AA1 battery adapter, batteries and BT 150 Professional tripod: €269 • Device with RM 2 Professional manual multifunctional mount, AA1 battery adapter and batteries: €239 <p>Bag and laser target plate are included with all versions.</p> | <ul style="list-style-type: none"> • Device with RM 3 Professional motorized multifunctional mount, clamp, remote control, 12 V rechargeable battery and battery charger: €638 • Device with RM 2 Professional manual multifunctional mount, clamp, 12 V rechargeable battery and battery charger: €489 |

Press photos: #959081, #959082, #959083

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Great whirl – little dust:

Powerful 18 volt extractors from Bosch for professionals A long runtime in a very compact design

March 28, 2017

PI 9610 PT MS

- ▶ Longer maximum suction power thanks to filter-preserving rotational air flow
- ▶ Two compact, handy tools with a wide range of accessories
- ▶ GAS 18V-10 L Professional: wet/dry extractor for almost every application
- ▶ GAS 18V-1 Professional: dry extractor for rapid final cleaning

Mini cyclones for mobile use – Bosch is expanding the 18 volt system for professionals with two particularly compact and high-performance cordless extractors: the GAS 18V-10 L Professional wet/dry extractor and the GAS 18V-1 Professional dry extractor. Both provide effective suction with an unusual air flow: Thanks to the special extractor geometry, a whirl is generated inside the extractor, so that the dust is deposited on the filter more slowly. This preserves the filter and maintains maximum suction power for a longer period of time. The GAS 18V-10 L Professional is the only cordless extractor in the power tool market to have this rotational air flow as well as a net volume of 6 liters. The GAS 18V-1 Professional dry extractor is also unique. It generates two whirls and extracts the dust in two stages: The first stage filters coarse dust and collects this in a separate container; the second filters the fine dust. This results in a much cleaner work environment in a shorter period of time. In addition, both tools are distinguished by a long runtime and have transparent dust containers. This means professionals can check the fill level at any time and empty and replace the dust containers quickly and easily.

Wet/dry extractor for almost every application

Tradespeople can use the GAS 18V-10 L Professional and a fully charged 6.0 Ah battery to extract dust for up to 24 minutes – that would usually serve a kitchen fitter for up to three installations. Moreover, the wet/dry extractor is distinguished by an air flow performance of 24 liters per second. Weighing 4.6 kilograms and complete with integrated hose and accessory mount, it is easy to transport and use on the construction site. Tradespeople can use the GAS 18V-10 L Professional as a wet/dry extractor while keeping all the accessories quickly to hand:

From the crevice and brush nozzles through to three extension pipes, you will always have everything you need. Furthermore, the GAS 18V-10 L Professional can also be conveniently connected to a power tool using an adapter to extract dust as it is produced, before it can settle in the surrounding area. The wet/dry extractor is certified for dust class L.

Dry extractor for rapid final cleaning

Mobile, powerful and versatile – the GAS 18V-1 Professional is particularly suitable for rapid final cleaning and for short applications where only a little dust needs removing – for example to clear workpieces and tools of chips, or to remove drilling dust from drill holes. Thanks to its accessories, the compact, lightweight tool is extremely versatile: The extension pipes can be used to transform the extractor into an upright extractor. The floor nozzle included reliably extracts wood, plastic or metal chips. Tradespeople wishing to remove dirt from narrow gaps can use the crevice nozzle, and the flexible tube proves extremely helpful in hard-to-reach places. After use, the tool can simply be set down on the battery or hung up by its handle.

Both tools are part of the Flexible Power System and are compatible with Bosch's professional 18 volt system. The tools are available from autumn 2017 onwards. All prices are recommended retail prices excluding VAT. Subject to change.

| Specifications | GAS 18V-10 L Professional | GAS 18V-1 Professional |
|--|--|--|
| Max. battery voltage | 18 V | 18 V |
| Tool type | wet/dry extractor | dry extractor |
| Container volume, gross/net | 10/6 l | 700/650 ml |
| Max. runtime with 6.0 Ah battery | 24 minutes | 42 minutes |
| Max. vacuum pressure | 90 mbar | 70 mbar |
| Max. air flow | 24 l/s | 11 l/s |
| Dust class | L | – |
| Filter | HEPA | HEPA |
| Hose length | 1,6 m | Flexible hose attachment, approx. 0.7 m long |
| Dimensions (length x height x width) | 442 x 364 x 334 mm | 438 x 121 x 184 mm |
| Weight without battery | 4.6 kg | 1.3 kg |
| Scope of delivery/Recommended retail price excluding VAT | Tool without battery and charger: €129 | Tool without battery and charger: €79 |

Press photos: #959084, #959085, #959086

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For an even wider range of applications: **New Bosch jigsaw blades with carbide technology** Particularly robust and durable for toughest applications

March 28, 2017

PI 9611 PT MS

- ▶ New problem solvers for wood/metal and for high-pressure laminate
- ▶ New application range for composite materials with plastic
- ▶ Up to 20 times longer service life compared to common blades

Bosch is adding new problem solvers to its range of jigsaw blades with carbide technology: "Progressor for Wood+Metal" for wood/metal and "Clean for HPL" for high-pressure laminate. Both jigsaw blades are the first on the market to offer carbide technology for these specific ranges of applications. Furthermore, the "Clean for Plastic Composites" jigsaw blade makes it possible to work on composites of wood and plastic.

As with all blades from Bosch's carbide range, the new jigsaw blades offer significant advantages for professionals from a wide range of construction industries, such as floor-layers and tilers, terrace builders, carpenters and installers: Selected carbide ranges and a special welding technology allow for reliable, low-wear sawing – whether you are sawing the hardest of materials, such as high-strength and high-alloy steel, or abrasive materials. Common bi-metal blades are unable to cover these applications. At the same time, the lifetime of Bosch jigsaw blades with carbide technology is up to 20 times longer than common bi-metal saw blades.

Quick cutting for any material thickness: "Progressor for Wood+Metal"

The "Progressor for Wood+Metal" jigsaw blade stands out thanks to the individually welded carbide teeth, which have a progressively increasing tooth pitch. This means that you can quickly cut an extremely wide range of building materials, irrespective of the thickness of the material. The jigsaw blade is particularly suitable for fast, coarse separating cuts in wood/metal composite materials, for example metal clad and metal reinforced wooden boards that have screws or hardened nails embedded in them.

Problem solver for materials that are prone to tearing: "Clean for HPL"

The "Clean for HPL" jigsaw blade is designed for particularly clean cuts in materials like high-pressure laminates, façade panels or laminate. They have a polished carbide tooth strip that consists of two rows of teeth that are arranged at different angles opposite to each other. These blades are therefore perfect for clean cuts in materials that are prone to tearing.

For wood/plastic composite materials: "Clean for Plastic Composites"

The "Clean for Plastic Composites" jigsaw blade is suitable for adjusting cuts in abrasive materials. This includes wood/plastic composites, such as terrace panels or fence systems, as well as mineral-organic composites. Thanks to polished tungsten carbide teeth, it achieves reliably clean cuts even with composite materials that are difficult to work on.

The extensive carbide range from Bosch also comprises jigsaw blades for other special applications, for example for high-alloy steel ("Endurance for Stainless Steel"), drywalling materials such as cement-based fiber boards ("Endurance for Fiber Plaster"), ceramics ("Special for Ceramics") and carbon fiber ("Clean for Carbon Fiber").

The "Progressor for Wood+Metal", "Clean for HPL" and "Clean for Plastic Composites" carbide jigsaw blades are available in specialist retail outlets from April 2017 onwards. These blades fit all jigsaws with a T shank mount. Subject to change.

| | Model | Length | Scope of delivery and price* |
|-------------------------------|--------------|---------------|-------------------------------------|
| "Progressor for Wood+Metal" | T367XHM | 132 mm | 3-pack for €46.07 |
| "Clean for HPL" | T128BHM | 92 mm | 3-pack for €29.52 |
| "Clean for PlasticComposites" | T301CHM | 117 mm | 3-pack for €41.36 |

*All specified prices are recommended retail prices excluding VAT.

Press photos: #959087, #959088

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For additional machine applications:

Bosch “Expert for” circular saw blades for professionals High cutting performance thanks to carbide technology

March 28, 2017

PI 9612 PT MS

- ▶ Further dimensions added to the five series
- ▶ Specialized solutions for miter and table saws
- ▶ “Expert for” range with special carbide and coating technology

The right circular saw blade for almost any machine type: Bosch is expanding the existing “Expert for” range and is introducing dimensions for additional machine applications in five series. This includes the “Expert for Wood”, “Expert for Construct Wood”, “Expert for High Pressure Laminate”, “Expert for Fiber Cement” and “Expert for Sandwich Panel” circular saw blades. With this expansion, Bosch is offering specialized solutions for working on pressure laminates with miter and table saws and on fiber cement with miter saws. Using the “Expert for” range of circular saw blades, tradespeople can therefore rely on an accessory that is optimized for each material and that can be used in almost all hand-held or table saws, miter saws, plunge saws or metal dry cutters. The “Expert for” circular saw blades are therefore perfect for numerous trades – for joiners, metalworkers, installers of electrical, sanitary and heating systems, as well as for carpenters, roofers, and formwork, concrete and façade builders.

“Expert for” range: Carbide technology for high cutting performance

The “Expert for” range offers a special carbide and coating technology for precise cutting performance: The circular saw blades have teeth that are made of “Micro-teQ” carbide. This means that the teeth are manufactured from extra-hard, durable metal grain. The grain size of the carbide is important for the sharpness and wear resistance of the cutting edge, which is why Bosch uses fine to very fine grain sizes to give its circular saw blades high cut quality and a long lifetime. For precision and a long life, the steel body on the circular saw blades is also of an exceptionally high quality and comes with “ProteQtion” coating: This prevents the saw blades from corroding and reduces friction. It also increases the cutting performance. With its “Expert for Fiber Cement”, Bosch offers a special circular saw blade for use in fiber cement panels. Due to the abrasive properties of this

material, Bosch uses polycrystalline diamonds (PCD), which are even harder than carbide, to manufacture the teeth. The result is a considerably longer life-time of the circular saw blade.

The extensive carbide range from Bosch also comprises circular saw blades for further special applications, for example for aluminum (“Expert for Aluminum”), steel (“Expert for Steel”), stainless steel (“Expert for Stainless Steel”), laminated panels (“Expert for Laminated Panel”) and for various materials such as plastic, wood and aluminum (“Expert for Multi-Material”).

The “Expert for” circular saw blades in the additional dimensions are available now from specialist retail outlets. Subject to change.

| “Expert for” | Diameter | Tools | Price per piece* |
|---|---|--|------------------|
| “Wood” (for hard and soft wood) | 120 – 450 mm New: 254 mm | Hand-held and plunge circular saws, miter saws, table saws, sliding saws | €66.68 – €95.00 |
| “Construct Wood” (for construction timber) | 160 – 235 mm New: 230 – 235 mm | Hand-held circular saws | €77.50 – €78.75 |
| “High Pressure Laminate” (for high-pressure laminates) | 140 – 305 mm New: 210 – 305 mm | Miter saws, hand-held circular saws, table saws | €95.00 – €132.50 |
| “Fiber Cement” (for fiber cement) | 140 – 305 mm New: 184 – 305 mm | Miter saws, hand-held circular saws | €91.38 – €189.75 |
| “Sandwich Panel” (for sandwich panels) | 160 – 450 mm New: 160 – 190 mm, 230 mm | Hand-held circular saws | €63.75 – €114.75 |

*Depending on saw type and size of saw blade. All specified prices are recommended retail prices excluding VAT.

Press photos: #959089, #959090, #959091

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The Robert Bosch Power Tools GmbH, a division of the Bosch Group, is one of the world's leading providers for power tools, power tool accessories and measuring tools. In 2016, its roughly 20,000 associates generated sales of 4.5 billion euros, about 85 percent of which outside of Germany. With brands such as Bosch and Dremel, the division stands for customer focus and great engineering progress. The core success factors are innovative strength and pace of innovation. The division generated about one third of its sales in 2016 with products that have been on the market for less than two years. In 2017, Bosch Power Tools will again launch more than 100 new products onto the German market in its four business segments power tools, accessories, measuring tools and garden tools.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 390,000 associates worldwide (as of December 31, 2016). According to preliminary figures, the company generated sales of 73.1 billion euros in 2016. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected industry. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to create solutions for a connected life, and to improve quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 450 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 120 locations across the globe, Bosch employs 59,000 associates in research and development.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.



For precise results in every step of the process: **The new diamond range from Bosch for tilers** Tools and accessories from a single source

March 28, 2017

PI 9613 PT MS

- ▶ Adapt recesses with precision: “Best for Ceramic” diamond milling cutter
- ▶ Handy core drill bit set for on-site applications: “Best for Ceramic Dry Speed Set”
- ▶ Precision cutting of fine stoneware: “Best for Hard Ceramic” diamond cutting disk

Preparing the substrate, cutting-to-size and laying tiles, milling or cutting recesses – for precise results in every work step, Bosch provides tilers with a broad range of tools and accessories from a single source. With the “Best for Ceramic” diamond milling cutter, the “Best for Ceramic Dry Speed Set” core drill bit set and the “Best for Hard Ceramic” diamond cutting disk, Bosch is expanding the existing range of products for adapting and cutting tiles to size. This expansion offers tilers three additional product solutions for precision machining of even the hardest materials, such as fine stoneware.

Adapt recesses with precision: “Best for Ceramic” diamond milling cutter

Tilers can now use the “Best for Ceramic” diamond milling cutter for the precise adaptation of existing recesses. It is Bosch’s first diamond milling cutter and stands out from comparable competing products thanks to its concave shape. This allows tilers to guide the diamond milling cutter precisely and stably along the workpiece – preventing any slipping. Pre-drilled holes can conveniently be expanded to any shape. A finely tuned diamond grit size ensures rapid work progress and very clean milling at the same time. A further advantage of the Bosch diamond milling cutter is its flat head, as this allows you to work on tiles which have already been laid on the wall. The “Best for Ceramic” diamond milling cutter has a diameter of 20 millimeters and an M14 holder and can be used with all common angle grinders. Tools with speed regulation such as the Bosch GWS 7-15 E Professional are particularly suitable.

Small and practical for on-site applications: “Best for Ceramic Dry Speed Set”

Drill recesses for water pipes, heating pipes, sockets or water drains quickly and easily with the “Best for Ceramic Dry Speed Set”. It means tilers always have the



right core drill bit to hand. The practical set contains a total of four core drill bits in diameters of 25, 35, 51 and 68 millimeters and therefore covers all common applications. For individual applications, tilers can use the “Best for Ceramic” diamond milling cutter which is also included in the set. Like the diamond milling cutter, the core drill bits also have an M14 holder and can be used with all common angle grinders.

For fine stoneware: the “Best for Hard Ceramic” diamond cutting disk

Cut fine stoneware with precision and tear-free using the “Best for Hard Ceramic” diamond cutting disk. Thanks to its consistent segment design and the special diamond structure, this cutting disk minimizes the chipping and scorch marks which would otherwise occur when cutting fine stoneware. So that tilers can work even more flexibly when cutting recesses for sockets for example, Bosch is offering this cutting disk with a diameter of 85 millimeters for the first time. Square cut-outs measuring 60 by 60 millimeters can thereby be executed quickly and effortlessly. The diamond cutting disk is available in diameters of 76, 85, 115 and 125 millimeters and suitable for use with common angle grinders, particularly the GWS 12V-76 Professional, the GWS 7-115 E Professional and the GWS 13-125 CIE Professional from Bosch.

The new diamond range is available from May 2017 onwards. Subject to change.

| Name | Recommended retail price excluding VAT |
|--|--|
| “Best for Ceramic” diamond milling cutter | €79 |
| Core drill bit set “Best for Ceramic Dry Speed Set” | Set of four core drill bits Ø 25, 35, 51 and 68 mm plus diamond milling cutter: €299 |
| Diamond cutting disks “Best for Hard Ceramic” | Ø 76, 85, 115 and 125 mm: €17 to €36 |

Press photos: #959092, #959093, #959094, #959095, #959096, #959097

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