



### A higher material removal rate in just two steps: **New Bosch “2-step” grinding system for angle grinders** Save considerable time on surface treatment

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- ▶ New ceramic fiber disc for an even higher removal rate on the first step
- ▶ Optimized SCM discs for finer surfaces on the second step
- ▶ Combine the new abrasives for time savings of up to 25 percent

Using the Bosch “2-step” grinding system for angle grinders, professionals can grind mild and stainless steel surfaces smooth in just two steps. The optimized system offers an even higher removal rate than the previous system and ensures time savings of up to 25 percent, compared to conventional grinding with multiple fiber discs of different grit sizes. The system covers all common applications, such as removing coarse to fine weld seams. The process consists of using a fiber disc and a SCM disc (SCM = Surface Conditioning Material), which perfectly match together: First of all, the fiber disc is used to remove the weld seam, then the SCM disc is used to achieve a smooth surface with a fine structure.

#### **Ceramic fiber disc for an even higher removal rate on the first step**

The new fiber disc “Best for Metal + Inox” has a longer lifetime and offers a higher removal rate than previous zirconia fiber discs, thanks to the ceramic grit. The grit is harder, tougher and breaks better than zircon, meaning that it continuously sharpens itself. As a result, less pressure is required for the grinding process. The applied cooling aid minimizes discoloration. The new fiber disc “Best for Metal + Inox” is equally suitable for work on mild as well as stainless steel; Bosch makes it easy for tradespeople to choose the right abrasive.

#### **Optimized SCM discs for smoother surfaces on the second step**

The new generation of the SCM disc also ensures a higher removal rate in comparison to the previous disc, thanks to a higher grit amount. At the same time, it offers a smooth, even surface without visible scratches. Mild steel is therefore optimally prepared for painting or powder coating, and stainless steel for satin finishing. The basis for the good surface quality after grinding is the elasticity of the SCM disc. Attached to the flexible carrier material are equally flexible nylon fibers

combined with fine abrasive grit. These materials act like a spring and prevent the abrasive grit from penetrating deep into the work piece. Moreover, the SCM disc follows the existing surface structure. This means that good grinding results can be achieved even on uneven surfaces.

The ceramic fiber and SCM discs are available in standard sizes for angle grinders, regardless of the brand. Bosch offers a variety of professional tools, including the GWS 19-125 CIE Professional. Thanks to its variable speed, this is particularly suitable for work with the “2-step” grinding system. All prices are recommended retail prices excluding VAT. Subject to change.

### Expertise from Bosch in the abrasive segment

With its abrasives range, Bosch covers the entire spectrum from hand sanding, to sanding with power tools, through to use with stationary tools for different materials. Bosch uses the more than 135 years of experience of *sia Abrasives*, a worldwide leading manufacturer of innovative abrasives which was acquired by Bosch in 2008, for the product development and the manufacturing process.

For the best results when grinding construction steel and stainless steel, Bosch recommends combining the following discs:

<b>Mild steel – Preparation for powder coating</b>	
1) 2 608 621 610 “Best for Metal + Inox” ceramic fiber disc, 125 mm diameter, P36	
2) 2 608 624 137 “Best for Finish” SCM disc, 125 mm diameter, coarse	
<b>Stainless steel – Preparation for satin finishing</b>	
1) 2 608 621 613 “Best for Metal + Inox” ceramic fiber disc, 125 mm diameter, P80	
2) 2 608 624 138 “Best for Finish” SCM disc, 125 mm diameter, medium	

<b>Ceramic fiber disc “Best for Metal + Inox”</b>	<b>Recommended retail price excluding VAT</b>
Diameter 115/125 mm in six different grits: 36/50/60/80/100/120	Between €0.87 (115 mm/grit 120) and €1.46 (125 mm/grit 36) per disc

<b>SCM disc “Best for Finish”</b>	<b>Recommended retail price excluding VAT</b>
Diameter 115/125 mm in four different grits: Extra oarse/coarse/medium/very fine	Between €3.57 (115 mm/very fine) and €5.09 (125 mm/extra coarse) per disc

<b>Backing pads for fiber and SCM fleece discs</b>	<b>Recommended retail price excluding VAT</b>
Diameter 115/125 mm	<ul style="list-style-type: none"> <li>• 115 mm: €11.20</li> <li>• 125 mm: €11.79</li> </ul>

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**Contact person for press inquiries:**

Martin Steinlehner

Phone: +49 711 758-3132

E-mail: [Martin.Steinlehner@de.bosch.com](mailto:Martin.Steinlehner@de.bosch.com)

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*The Bosch Group is a leading global supplier of technology and services. It employs roughly 400,500 associates worldwide (as of December 31, 2017). According to preliminary figures, the company generated sales of 78 billion euros in 2017. 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 440 subsidiaries and regional companies in 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 125 locations across the globe, Bosch employs 62,500 associates in research and development.*

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