



Heavy Metal – Top performance in metalworking

Range for 2009/2010:

Professional blue power tools for metalworking
for professionals from professionals



BOSCH

Invented for life

For professionals from professionals

Bosch is your reliable partner for trade and industry. Since you are important to us, we also want to ensure that you are always kept up-to-date in future by providing you with information about our new professional blue products and special services. To enable us to do this, all you have to do is fill out this contact form and send it to the address stated on the back of this brochure.

Company _____

Mr _____
First name, Surname

Ms _____

Street, No. _____

Postal code, City _____

Telephone _____ Fax _____

e-Mail _____

MR 11/09 GB

Yes, I would also like to receive information from Bosch by e-mail in future.

Position Owner/Manager Responsible for purchasing power tools Other position

How many power tools do you have at your company?

1 – 19 20 – 49 50 – 99 ≥ 100

Which sector does your company work in?

<input type="checkbox"/> Roofer/Carpenter	<input type="checkbox"/> Structural engineering
<input type="checkbox"/> Joiner/Cabinet maker	<input type="checkbox"/> Underground engineering
<input type="checkbox"/> Furniture manufacture/Furniture industry	<input type="checkbox"/> Other building trade
<input type="checkbox"/> Other woodworking	<input type="checkbox"/> Automobile trade/repair
<input type="checkbox"/> Painter/Decorator	<input type="checkbox"/> Automotive industry
<input type="checkbox"/> Floor fitter (tiles)	<input type="checkbox"/> Other vehicle construction
<input type="checkbox"/> Floor fitter (wood)	<input type="checkbox"/> Machine construction
<input type="checkbox"/> Electrical installation	<input type="checkbox"/> Locksmith
<input type="checkbox"/> Plumber	<input type="checkbox"/> Steelworking/Metalworking
<input type="checkbox"/> Heating/ventilation installation	<input type="checkbox"/> Other _____

Yes, I would like to receive information from Bosch in future.

I agree that the data collected by Robert Bosch GmbH and its sales organisation in Germany shall be saved and used to inform me about products and services. I can obtain information about the data stored about me from Robert Bosch GmbH, Power Tools, 71518 Backnang, Germany. This consent can be revoked from Robert Bosch GmbH at the above-mentioned address at any time.

Yes, I agree that selected, local Bosch specialist retailers shall inform me about products and services and that my data shall be passed on for this purpose.

Date/Signature _____

Accessories for Bosch Angle Grinders

Cutting discs	Application	Diameter	Bore diameter	Thickness	Part number	Shape	
	Metal	115 mm	22.23 mm	2.5 mm	2 608 600 005	Depressed centre	
		125 mm	22.23 mm	2.5 mm	2 608 600 221	Depressed centre	
		180 mm	22.23 mm	3.0 mm	2 608 600 316	Depressed centre	
		230 mm	22.23 mm	2.5 mm	2 608 600 225	Depressed centre	
		230 mm	22.23 mm	3.0 mm	2 608 600 226	Depressed centre	
		115 mm	22.23 mm	1.6 mm	2 608 600 214	Straight	
		115 mm	22.23 mm	2.5 mm	2 608 600 318	Straight	
		125 mm	22.23 mm	1.6 mm	2 608 600 219	Straight	
		125 mm	22.23 mm	2.5 mm	2 608 600 394	Straight	
		150 mm	22.23 mm	2.5 mm	2 608 600 382	Straight	
		180 mm	22.23 mm	3.0 mm	2 608 600 321	Straight	
		230 mm	22.23 mm	3.0 mm	2 608 600 324	Straight	
		300 mm	25.40 mm	2.8 mm	2 608 600 542	Straight	
		350 mm	25.40 mm	2.8 mm	2 608 600 543	Straight	
		400 mm	25.40 mm	3.2 mm	2 608 600 544	Straight	
		Inox	115 mm	22.23 mm	1.0 mm	2 608 602 220	Straight
	115 mm		22.23 mm	1.6 mm	2 608 600 215	Straight	
	115 mm		22.23 mm	2.0 mm	2 608 600 093	Straight	
	115 mm		22.23 mm	2.5 mm	2 608 600 319	Straight	
	125 mm		22.23 mm	1.0 mm	2 608 602 221	Straight	
	125 mm		22.23 mm	1.6 mm	2 608 600 220	Straight	
	125 mm		22.23 mm	2.0 mm	2 608 600 094	Straight	
	180 mm		22.23 mm	2.0 mm	2 608 600 095	Straight	
	180 mm		22.23 mm	3.0 mm	2 608 600 322	Straight	
	230 mm		22.23 mm	2.0 mm	2 608 600 096	Straight	
	230 mm		22.23 mm	3.0 mm	2 608 600 325	Straight	
	180 mm		22.23 mm	1.6 mm	2 608 600 710	Depressed centre	
	230 mm		22.23 mm	1.9 mm	2 608 600 711	Depressed centre	
	Cast iron	230 mm	22.23 mm	3.0 mm	2 608 600 546	Straight	
	Grinding discs	Metal	115 mm	22.23 mm	4.8 mm	2 608 600 537	Depressed centre
			115 mm	22.23 mm	6.0 mm	2 608 600 218	Depressed centre
			125 mm	22.23 mm	6.0 mm	2 608 600 223	Depressed centre
			150 mm	22.23 mm	6.0 mm	2 608 600 389	Depressed centre
180 mm			22.23 mm	6.0 mm	2 608 600 315	Depressed centre	
180 mm			22.23 mm	8.0 mm	2 608 600 379	Depressed centre	
230 mm			22.23 mm	8.0 mm	2 608 600 386	Depressed centre	
Inox			115 mm	22.23 mm	6.0 mm	2 608 600 539	Depressed centre
		125 mm	22.23 mm	6.0 mm	2 608 602 488	Depressed centre	
		180 mm	22.23 mm	6.0 mm	2 608 600 540	Depressed centre	
		230 mm	22.23 mm	6.0 mm	2 608 600 541	Depressed centre	



*For all professional blue power tools when registered within 4 weeks of purchase at www.bosch-professional.com/warranty

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 Tel: 0844 736 0107



BOSCH
 Invented for life

Developed for professionals, tested by professionals

As a metalworking professional, a lot is expected of you: top performance, speed, reliability and competence. In short: excellent results. So isn't it only fair to demand the same from your power tools?

Our professional blue power tools for metalworking are developed for the toughest demands, and stand for performance and robustness. With innovations like Bosch Vibration Control or KickBack Stop, they also guarantee the user maximum protection in his day-to-day work. They therefore give you everything you need to achieve excellent, professional work results.

When developing new blue power tools, Bosch works very closely with real professionals who use power tools as part of their everyday work and who also test Bosch tools in extreme conditions, such as in foundries and in the shipbuilding industry. This means that you, the metalworking professional, can always count on this absolutely reliable technology.

Professional blue power tools for metalworking –

Convincing solutions for professionals from professionals.





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All weight specifications on the following pages comply with EPTA Procedure 01/2003.

Explanations of all the symbols used can be found on Page 30.





“A lot of edges have to be rounded off when making the bodies of safes. The GWS 7 Professional is ideal for these continuous operations. It sits comfortably in your hand thanks to its slim design, and the small grip circumference gives you good control over the tool.”

Peter Bertl,
Master craftsman in metal

Maximum performance for maximum efficiency

The metalworking trade sets high requirements. The small angle grinders from Bosch meet these requirements with ultimate performance and optimum ergonomics. They impress in day-to-day use with their high power and comfortable handling. An example of this is the new GWS 7 Professional. It has a powerful 720 watts and the smallest grip circumference in its class – for more comfortable working and the best work progress. In short: these are small angle grinders for maximum efficiency.

Small Angle Grinders 720 W–1500 W

- ▶ GWS 7 Professional P. 6
- ▶ GWS 8 Professional P. 7
- ▶ GWS 10-125 Professional P. 7
- ▶ GWS 11-125 Professional P. 8
- ▶ GWS 14-125 Professional P. 8
- ▶ GWS 14-125 Inox Professional P. 9
- ▶ GWS 15-125 Professional P. 9

Small angle grinders impress wherever work needs to be done over long periods of time. For example, the new GWS 7 Professional: its low weight and its impressive ergonomics with a grip circumference of only 176 mm make light work of even lengthy applications.



No more disc changes – the new 3-in-1 disc

Three applications, one disc: whether cutting, grinding or finishing, this innovative Bosch grinding disc guarantees maximum efficiency in all application ranges – even in hard-to-reach areas with its disc thickness of only 2.5 mm. Its triple-layer reinforcement prevents the disc from breaking, therefore offering the greatest protection during work.

3 in 1
Cut • Grind • Finish

Manufactured in accordance with OSA guideline.
Meets EN 12413.



The smallest grip circumference
in its wattage class: only 176 mm

NEW! Angle Grinder GWS 7 Professional

Smallest grip circumference and powerful 720 watts

- ▶ Smallest grip circumference (176 mm) compared to other angle grinders in its wattage class for particularly comfortable working
- ▶ Powerful 720-watt motor and weight of only 1.9 kg for continuous use
- ▶ Flat gear head for convenient working, even in tight spaces

Protection on small angle grinders

As with all Bosch power tools, the angle grinders also meet the highest possible demands and standards with regard to protection. All of the tools have anti-rotation protective guards and a double protective switch to prevent inadvertent activation.



Angle Grinder GWS 8-115 Professional

The handy tool with additional protection

- ▶ Powerful 800 W Champion motor
- ▶ Anti-rotation protective guard – quickly and easily adjustable, provides reliable protection
- ▶ Good handling thanks to slim housing

Angle Grinder GWS 10-125 Professional

The compact tool with additional protection

- ▶ Extra-powerful 1000 W Champion motor
- ▶ Anti-rotation protective guard – quickly and easily adjustable, provides reliable protection
- ▶ Good handling thanks to slim housing



	NEW! GWS 7-100 Professional	NEW! GWS 7-115 Professional	GWS 8-115 Professional	GWS 8-115 AVH Professional	GWS 10-125 Professional
Rated power input (W)	720	720	800	800	800
No-load speed (rpm)	11,000	11,000	11,000	11,000	11,000
Grinding/cutting disc (mm)	110	115	115	115	125
Weight (kg)	1.9	1.9	1.9	1.9	2.1
Part numbers 110 V	0 601 388 160	0 601 388 161	0 601 820 060	0 601 820 060	0 601 821 060
Part numbers 240 V	0 601 388 170	0 601 388 171	0 601 820 070	0 601 820 070	0 601 821 070

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified



Angle Grinder GWS 11-125 CI Professional

The powerful tool with KickBack Stop

- ▶ KickBack Stop: detects when the disc is jammed and shuts down the tool immediately
- ▶ Powerful 1100 W Champion motor with restart protection
- ▶ Twist-proof protective guard – quickly and easily adjustable, provides reliable protection

Protection in fractions of a second

The KickBack Stop function on the GWS 11 acts like ABS in a car, detecting if the disc suddenly jams and reacting by instantly shutting down the motor. This gives you full control at all times and more protection against injury.



	GWS 11-125 CI Professional
Rated power input (W)	1100
No-load speed (rpm)	11,000
Grinding/cutting disc (mm)	125
Weight (kg)	2.0
Part numbers 110 V*	0 601 822 760
Part numbers 240 V	0 601 822 770

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified



NEW! Angle Grinder GWS 14-125 Inox Professional

For a perfect finish on stainless steel

- ▶ Low speeds ensure gentle working on stainless steel
- ▶ Extremely powerful 1400 W Champion motor with 50% higher torque for fast, powerful working
- ▶ Direct cooling for high overload capability and long lifetime

Angle Grinder GWS 15-125 CIEH Professional

Ultimate power with perfect handling

- ▶ Good handling due to ergonomic handle with softgrip – ideal for continuous use and overhead work
- ▶ The most powerful 1500 W Champion motor with restart protection
- ▶ KickBack Stop: detects when the disc is jammed and shuts down the tool immediately

New accessories for the best surface treatment

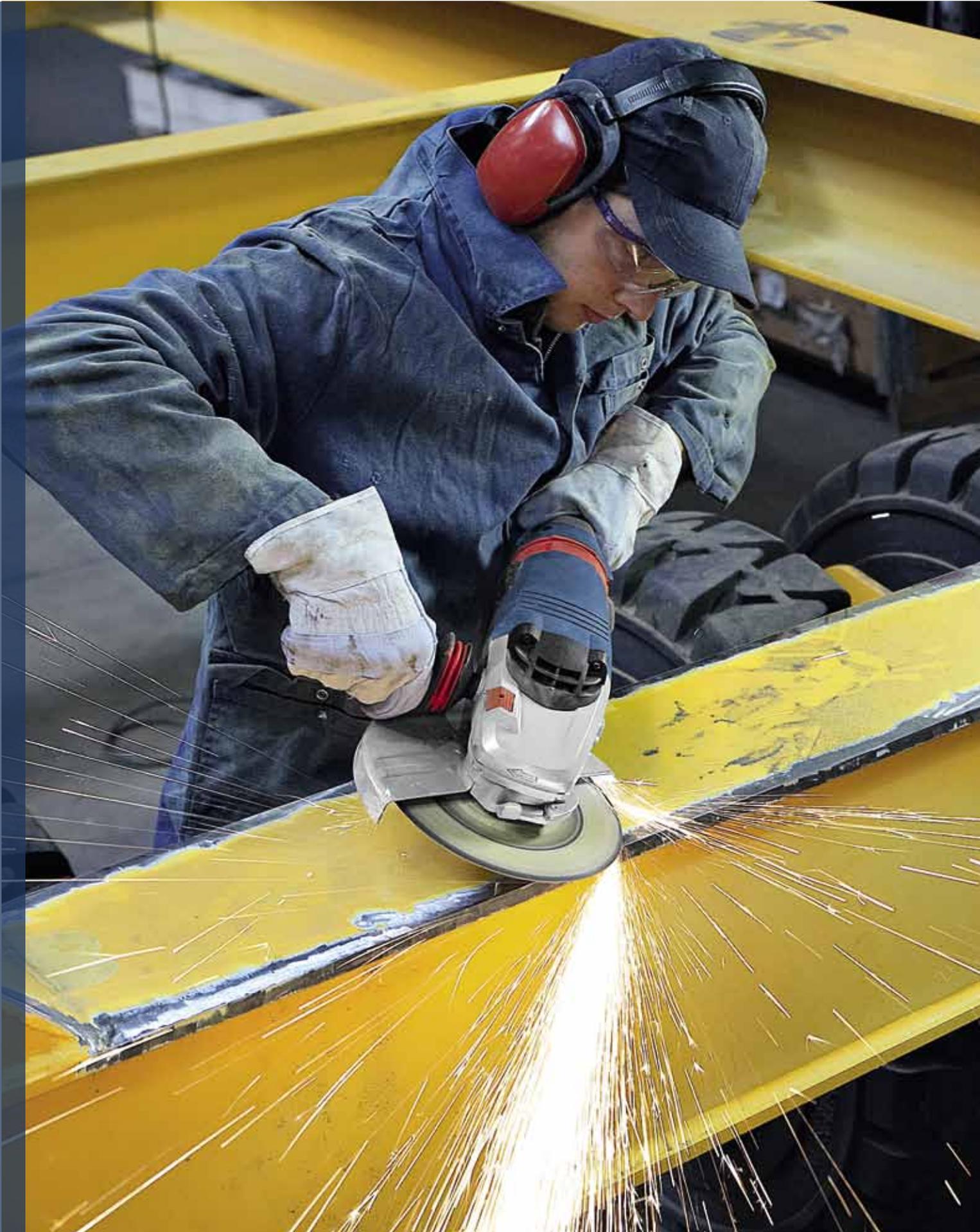
The new “Best for Inox” abrasives have been specially developed for the high requirements of working on stainless steel. Whether coarse grinding, smoothing, cleaning, deburring or finishing, the comprehensive “Best for Inox” accessories deliver optimum results with a higher material removal rate than conventional abrasives. This means that you can quickly and easily remove surface coatings without damaging the base material.



	NEW! GWS 14-125 Inox Professional	GWS 15-125 CIEH Professional	GWS 15-125/150 CIH Professional	GWS 15-125 CITH Professional
Rated power input (W)	1400	1500	1500	1500
No-load speed (rpm)	2,200–7,500	2,800–11,000	11,000/9,300	2,800–9,300
Grinding/cutting disc (mm)	125	125	125/150	125
Weight (kg)	2.2	2.3	2.3/2.4	2.3
Part numbers 240 V	0 601 829 J00	0 601 830 302	0 601 830 202	0 601 830 403

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* Applies to GWS 14-125 Inox Professional. Only available as 240 V Euro versions



“Your arms don’t get tired as quickly with the GWS 24 LVI Professional from Bosch, even when used for lengthy periods of time. And the power is great – it’s very quick at dressing welded seams.”

Jerry Janssens,
Metalworker in container construction

Powerful tools for the toughest jobs

For the highest work progress at the highest requirements: the large angle grinders from Bosch – with powerful motors and, at the same time, reduced weight. The Bosch Angle Grinder GWS 24-230 LVI Professional with its 2400 watts is extremely powerful and it also impresses with the lowest weight in its class. This ensures longer and more comfortable working.

Large Angle Grinders 2200 W–2600 W

- ▶ GWS 22-230 LVI Professional P. 12
- ▶ GWS 24-230 LVI Professional P. 15
- ▶ GWS 22-180 H Professional P. 16
- ▶ GWS 24-230 H Professional P. 16
- ▶ GWS 24-230 JBX Professional P. 17
- ▶ GWS 26-230 JH Professional P. 18
- ▶ GWS 26-230 JBV Professional P. 18

Cut-off Grinders

- ▶ GWS 24-300 J Professional P. 19
- ▶ GCO 14-1 Professional P. 19

Large angle grinders combine maximum power with optimum handling – therefore making work as comfortable and efficient as possible, even in extreme conditions. A good example of this is the innovative GWS 24-230 LVI Professional: it offers the lowest weight in its class without any compromises in performance.



reddot design award
winner 2009



Angle Grinder GWS 22-230 LVI Professional

Powerful with low weight

- ▶ Powerful 2200-watt Champion motor
- ▶ Low weight for optimum handling
- ▶ KickBack Stop: detects when the disc is jammed and shuts down the tool immediately



	GWS 22-230 LVI Professional
Rated power input (W)	2200
No-load speed (rpm)	6,500
Grinding/cutting disc (mm)	230
Weight (kg)	5.4
Part numbers 110 V*	0 601 891 C60
Part numbers 240 V	0 601 891 C70

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Top performance made easy

To make good angle grinders better, you can increase the power, reduce the weight or improve protection during work. The **GWS 24-230 LVI Professional** from Bosch offers all of these in one tool – for more professional power and more professional protection.



High power, low weight

Low-fatigue working and fast work progress are no problem with the Bosch GWS 24-230 LVI Professional. It weighs up to 20% less than other tools in its class – but still offers 100% power.



Longer, low-fatigue working due to Bosch Vibration Control: the maximum vibration exposure threshold of 5 m/s^2 in an 8-hour working day is not exceeded thanks to the Bosch vibration damping at the main and auxiliary handles. This means that the use of this tool is non-critical according to 2002/44/EC.



Optimum protection against dangerous kickback: the KickBack Stop function acts like ABS in a car, shutting the tool down in fractions of a second when the disc jams.

**KICK
BACK
STOP**



Reliable protection

The anti-rotation protective guard protects you against flying fragments of broken disc and loose parts of the workpiece. It therefore meets the latest standards (EN, IEC 60745-2-3). This gives you optimum protection even in extreme applications.



Angle Grinder GWS 24-230 LVI Professional

Extremely powerful with the lowest weight

- ▶ Powerful 2400-watt Champion motor
- ▶ Lowest weight in its class
- ▶ KickBack Stop: detects when the disc is jammed and shuts down the tool immediately



	GWS 24-230 LVI Professional
Rated power input (W)	2400
No-load speed (rpm)	6,500
Grinding/cutting disc (mm)	230
Weight (kg)	5.5
Part numbers 110 V*	0 601 893 H64
Part numbers 240 V	0 601 893 H74

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified



Restart protection

The restart protection prevents the tool from starting up on its own after a power cut. This meets the latest standards (EN, IEC 60745-2-3) – for more user protection.*



NEW! Angle Grinder **GWS 22-230 H Professional**

Compact, powerful tool for the toughest jobs

- ▶ Powerful 2200 W Champion motor for fast work progress
- ▶ Low weight for optimum handling
- ▶ Anti-rotation protective guard – reliably protects the user if the grinding disc breaks



	NEW! GWS 22-180 H Professional	NEW! GWS 22-230 H Professional*
Rated power input (W)	2200	2200
No-load speed (rpm)	8,500	6,500
Grinding/cutting disc (mm)	180	230
Weight (kg)	5.0	5.2
Part numbers 110 V**	0 601 881 L63	0 601 882 M03
Part numbers 240 V	0 601 881 L73	

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* applies to the GWS22-230LVI Professional and the GWS24-230LVI Professional ** 110 V wattage may vary from those specified

Quickly stopped

The patented run-out brake completely stops the disc in only 2.5 seconds – enabling you to put the tool down quickly and safely.



NEW! Angle Grinder GWS 24-230 JBX + SDS Professional

The powerful tool with the best brake system in its class

- ▶ Powerful 2400 W Champion motor for fast work progress
- ▶ The patented run-out brake brings the disc to a standstill in 2.5 seconds, enabling you to put the tool down quickly and safely
- ▶ Bosch SDS quick-locking nut and spindle lock ensure rapid, tool-free disc changes



NEW! GWS 24-230 JBX + SDS Professional	
Rated power input (W)	2400
No-load speed (rpm)	6,500
Grinding/cutting disc (mm)	230
Weight (kg)	6.6
Part number 240 V	0 601 864 T04



Full power for the toughest jobs:

Powerful Champion motors ensure that the large angle grinders never let you down, even in these toughest applications.

NEW! Angle Grinder GWS 26-230 JH Professional

Top performance for the toughest jobs

- ▶ Powerful 2600-watt Champion motor for the fastest work progress
- ▶ Anti-rotation protective guard – reliably protects the user if the grinding disc breaks
- ▶ Restart protection prevents the tool from automatically restarting after a power cut

NEW! Angle Grinder GWS 26-230 JBV Professional

Top performance with double Vibration Control

- ▶ Powerful 2600-watt Champion motor for the fastest work progress
- ▶ Vibration reduced by up to 50% thanks to Vibration Control at the main and auxiliary handles, for more comfortable working
- ▶ Anti-rotation protective guard – reliably protects the user if the grinding disc breaks



	NEW! GWS 26-180 JH Professional	NEW! GWS 26-230 JH Professional	NEW! GWS 26-180 JBV Professional	NEW! GWS 26-230 JBV Professional
Rated power input (W)	2600	2600	2600	2600
No-load speed (rpm)	8,500	6,500	8,500	6,500
Grinding/cutting disc (mm)	180	230	180	230
Weight (kg)	5.9	6.0	6.2	6.4
Part numbers 240 V	0 601 855 M00	0 601 856 M00	0 601 855 U00	0 601 856 U00

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

*Applies to GWS 26-180 JBV Professional and GWS 26-230 JBV Professional.

Only available as 240 V Euro version

Bosch cut-off grinders are particularly suitable for extremely deep cuts in stone and metal, and for cutting heavily profiled metals. They are the ideal tools for efficient working on stone and metal in shipbuilding, bridge-building, and construction above and below ground.

The right disc for every application

Whether you are cutting metal, stone or Inox workpieces, Bosch's comprehensive range of cutting discs will impress you with their top quality for the fastest work progress. Bosch high-performance grinding discs are economical accessories for all application ranges – from metal to stone.



Cut-off Grinder GWS 24-300 J + SDS Professional

The specialist tool for extremely deep cuts

- ▶ Up to 95 mm cutting depth – for working in steel and stone
- ▶ Sturdy cutting guide for exact cutting supplied as standard
- ▶ Bow handle at the machine's centre of gravity ensures consistent weight distribution



	GWS 24-300 J + SDS Professional	GCO 14-1 Professional
Rated power input (W)	2400	2400
No-load speed (rpm)	5,000	3,900
Grinding/cutting disc (mm)	300	355
Weight (kg)	10,3	18,0
Part numbers 110 V**	0 601 364 041	0 601 B10 041
Part numbers 240 V	0 601 364 042	0 601 B10 042



Metal Cut-off Grinder GCO 14-1 Professional

The powerful tool with immense bite

- ▶ Powerful 2400-watt metal cut-off grinder
- ▶ Cuts pipes up to 125 mm in diameter
- ▶ Performs angle cuts up to 45°

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* Applies to GWS 24-300 J and SDS Professional. ** 110 V wattage may vary from those specified



“The new Cordless Shear GSC 10,8 V-LI Professional has enormous power, but it’s small in size and low in weight. It can even be used to make cutouts on installed ventilation systems without any problems. I also work much faster with it than with conventional tin snips.”

Steffen Schulze, Chief fitter for heating, ventilation and air conditioning technology

A full range for metalworking

Whether working on metal parts, polishing surfaces, cutting sheet metal or drilling rows of holes: professional Bosch power tools deliver top performance. An example is the new Cordless Shear GSC 10,8 V-LI Professional, which cuts metal 4 times faster than conventional tin snips.

Straight Grinders

- ▶ GGS 27 Professional P. 22
- ▶ GGS 27 LC Professional P. 22

Random Orbit Sander

- ▶ GEX 150 Turbo Professional P. 23

Polisher

- ▶ GPO 12 E Professional P. 23

Shears

- ▶ GSC 10,8 V-LI Professional P. 24
- ▶ GSC 160 Professional P. 24
- ▶ GSC 2,8 Professional P. 24

Nibblers

- ▶ GNA 16 Professional P. 25
- ▶ GNA 2,0 Professional P. 25

Drills

- ▶ GBM 6 RE Professional P. 26
- ▶ GBM 10 RE Professional P. 26
- ▶ GBM 13-2 RE Professional P. 26

Impact Wrench

- ▶ GDS 18 E Professional P. 27

Cordless Impact Drivers / Wrenches

- ▶ GDR/GDS 14,4/18 V-LI Professional P. 27

Bosch straight grinders are precise and versatile for applications requiring high accuracy, e.g. in precision mechanics or professional model-making. Together with the comprehensive range of accessories, the Bosch range of straight grinders always offers the perfect solution for every job.

Straight Grinder GGS 27 Professional

The handy, universal tool

- ▶ Particularly handy, short design, also suitable for left-handers
- ▶ Protected position of the switch prevents inadvertent activation

Straight Grinder GGS 27 L Professional

The accurate tool for maximum precision

- ▶ Grinding spindle with particularly accurate bearing for precise grinding work
- ▶ Suitable for extremely fine work, even in hard-to-reach areas



	GGG 6 Professional	GGG 7 Professional	GGG 16 Professional	GGG 27 Professional	GGG 27 L Professional
Rated power input (W)	1150	600	900	500	600
No-load speed (rpm)	6,800	3,100–7,000	16,000	27,000	12,000–27,000
Toolholder	20 mm diameter/ Spindle M 14	Collets up to 8 mm diameter	Collets up to 10 mm diameter	Collets up to 8 mm diameter	Collets up to 8 mm diameter
Weight (kg)	3.9	1.7	3.0	1.3	1.4
Part numbers 110 V*	0 601 214 041	0 601 212 041	0 601 209 141	0 601 210 041	0 601 215 041
Part numbers 240 V	0 601 214 042	0 601 212 042	0 601 209 142	0 601 210 042	0 601 215 042

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Bosch random orbit sanders and polishers deliver perfect results on surfaces and are ideal for efficient work in car workshops, boatbuilding and aircraft construction.

The versatile GEX 150 Turbo Professional

From fine to coarse sanding or polishing with a click. The turbo operation in coarse sanding also ensures 5 times more material removal. This time-saving means the tool pays for itself after only a few hours of work.



Random Orbit Sander GEX 150 Turbo Professional

Three tools in one

- ▶ Just one click: switch from fine sanding to coarse sanding or polishing
- ▶ 5 times more material removal in turbo operation (coarse sanding)
- ▶ Longest lifetime thanks to perfect bearing seal, overload protection and robust turbo switch

	GEX 150 Turbo Professional
Rated power input (W)	600
Sanding pad diameter (mm)	150
Oscillating circuit diameter (mm)	4.5
No-load speed (rpm)	3,100–6,650
Part numbers 110 V*	0 601 250 782
Part numbers 240 V	0 601 250 783

Polisher GPO 12 E Professional

The powerful tool with Constant Electronic

- ▶ Powerful motor with a massive 1200 watts
- ▶ Control Electronic for optimum adaptation of the speed to all applications
- ▶ Low weight of only 3.5 kg

	GPO 12 E Professional
Rated power input (W)	1200
Rubber backing pad diameter (mm)	180
Polishing sponge diameter (mm)	160
Cup wheel diameter (mm)	150
No-load speed (rpm)	750–3,000
Weight (kg)	3.5
Part numbers 110 V*	0 601 366 741
Part numbers 240 V	0 601 366 742



More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Bosch shears provide power for cutting, precision for curve cuts, and a low weight. The new Cordless Shear GSC 10,8 V-LI Professional, for example, completes powerful cutting work with maximum performance 4 times faster than conventional tin snips.



NEW! Cordless Shear GSC 10,8 V-LI Professional
Cuts through metal 4 times faster – with zero effort

- ▶ Makes straight and curve cuts up to 4 times faster than conventional tin snips
- ▶ Extremely powerful: effortlessly makes cuts up to 1.3 mm in metal
- ▶ Unbeatably light (only 1.4 kg) and extremely compact design for comfortable and low-fatigue working



Shear GSC 2,8 Professional
The slim tool with reversible blade

- ▶ Slim design with planetary gears
- ▶ Reversible blade for particularly high economic efficiency
- ▶ Knob grip for comfortable and safe guidance



	NEW! GSC 10,8 V-LI Professional	GSC 2,8 Professional
Battery capacity (Ah)	1.3 Compact	–
Weight (kg)	1.4	2.7
Battery voltage (V)	10,8	–
Rated power input (W)	–	500
Steel up to 400 N/mm ²	1.3 mm	2.8 mm
Steel up to 600 N/mm ²	0.8 mm	2.2 mm
Steel up to 800 N/mm ²	0.6 mm	1.9 mm
Part numbers 110 V*		0 601 506 141
Part numbers 240 V	0 601 926 171	0 601 506 142

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Bosch nibblers are suitable for a wide range of applications, and show their strengths with fast and precise working both in tight curve cuts and in cut-outs – and they do so without distorting the workpiece.



Nibbler GNA 2.0 Professional

The handy tool for cutouts of all kinds

- ▶ Slim, narrow design for optimum handling
- ▶ Swivel-mounted die plate for better manoeuvrability in corners
- ▶ Easy-to-change cutting tools



	GNA 2,0 Professional
Rated power input (W)	500
Steel up to 400 N/mm ²	2.0 mm
Steel up to 600 N/mm ²	1.4 mm
Steel up to 800 N/mm ²	1.0 mm
Aluminium up to 200 N/mm ²	2.5 mm
Weight (kg)	2.0
Part numbers 110 V*	0 601 530 141
Part numbers 240 V	0 601 530 142

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* 110 V wattage may vary from those specified

Bosch drills have been specially developed to perfectly meet the requirements of metalworking. They impress with their high power, high torque and compact design.

NEW! Drill **GBM 6 RE Professional**

The fast and precise tool

- ▶ Very high speed for small drilling diameters
- ▶ Drill spindle fixed in bearing for high precision
- ▶ Compact design and low weight for easier handling when drilling rows of holes

2-Speed Drill
GBM 13-2 RE Professional

The powerful and precise tool with 2 gears

- ▶ Powerful motor for drilling up to a diameter of 13 mm in steel
- ▶ 2-speed gearbox: for demanding work
- ▶ Metal keyless chuck for high precision and long lifetime



	NEW! GBM 6 RE Professional	GBM 13-2 RE Professional
Rated power input (W)	350	550
No-load speed (rpm)	0-4,000	1,000/1,900
Drilling dia. range in aluminium (mm)	8	20/12
Drilling dia. range in wood (mm)	15	32/20
Drilling dia. range in steel (mm)	6,5	13/8
Weight (kg)	1.2	1.9
Part numbers 110 V*, Keyless		0 601 169 564
Part numbers 240 V	0 601 472 670	0 601 169 565

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Bosch impact drivers and wrenches impress with their high impact force. Combined with their very low recoil torque and long lifetime, they are reliable and indispensable partners for metalworking.

Impact Wrench GDS 18 E Professional

The versatile tool for the workshop

- ▶ For wheel fitting in car workshops, scaffolding and shelf construction, in the workshop and in service centres
- ▶ Favourable centre of gravity thanks to centre grip enables low-fatigue one-handed operation
- ▶ High impact performance with low weight



NEW! Cordless Impact Drivers / Wrenches GDR/GDS 14,4/ 18 V-LI Professional

The first impact drivers and wrenches with flexible battery system

- ▶ Bosch “Flexible Power System”: Unique choice in each voltage class between “Premium” (longer battery runtime) and “Compact” (less weight for even more comfortable working) batteries
- ▶ High torque and high impact rate (3,200 bpm) for fast work progress when driving screws in metal (up to M 16) and wood
- ▶ Very short design for perfect handling, even in the tightest spaces and overhead



	GDS 18 E Professional	NEW! GDS 14,4 V-LI Professional	NEW! GDS 18 V-LI Professional	NEW! GDR 14,4 V-LI Professional	NEW! GDR 18 V-LI Professional
Rated power input (W)	500	–	–	–	–
Battery capacity (Ah)	–	3.0 Premium 1.3 Compact	3.0 Premium 1.3 Compact	3.0 Premium 1.3 Compact	3.0 Premium 1.3 Compact
Battery voltage (V)	–	14.4	18	14.4	18
Toolholder	1/2", external square	1/2", external square	1/2", external square	1/4", external square	1/4", external square
Max. torque (Nm)	250	170	180	150	160
Rated impact rate (bpm)	–	0–3.200	0–3.200	0–3.200	0–3.200
Max. screw diameter (mm)	M6–M18	M6–M16	M6–M16	M6–M14	M6–M14
Number of batteries supplied	not applicable	x2	x2	x2	x2
Weight (kg)	3.2	Premium 1.6 Compact 1.4	Premium 1.7 Compact 1.5	Premium 1.6 Compact 1.4	Premium 1.7 Compact 1.5
Part numbers 110 V*	0 601 436 841	Premium 0 601 9A1 T70	Premium 0 601 9A1 S70	Premium 0 601 9A1 470	Premium 0 601 9A1 370
Part numbers 240 V	0 601 436 842	Compact 0 601 9A1 T71	Compact 0 601 9A1 S71	Compact 0 601 9A1 471	Compact 0 601 9A1 371

More information about the professional blue power tools and accessories can be found at www.bosch-professional.com.

* 110 V wattage may vary from those specified

Professional user protection –

Less vibration, greater protection, more productivity

Bosch can tell you everything you need to know about vibration

The legal EU directive 2002/44/EC has been in force across Europe since 2002 to protect professional tradesmen against avoidable health risks caused by vibration. Employers have to estimate the daily exposure to vibration of their employees and to reduce it if it exceeds a certain limit. **This directive is intended to protect employees** and sets two vibration exposure thresholds.

1. Action value: If a **power tool has a vibration level of 2.5 m/s²** or more, measures must be taken to reduce vibration if the power tool is used continuously for longer than eight hours.

2. Limit value: If a power tool exceeds the **vibration level of 5 m/s²**, the trigger time of the employee with this power tool must be reduced accordingly from eight hours per day. Working above this limit value is not permitted.



What is Bosch doing to protect the operator?

Bosch is a pioneer in the field of vibration reduction in power tools and was the first manufacturer to introduce Vibration Control in hammers and angle grinders as early as 2001 – for additional health protection and more convenient, more comfortable working.

An optimum double Vibration Control with vibration-damping main and auxiliary handles effectively reduces vibration on large Bosch angle grinders by up to 50%* – at no load and during operation. This increases the maximum possible working time by up to 60%**. The small Bosch angle grinders have the Vibration Control auxiliary handle, which reduces vibration by up to 40%*.

What are the advantages of Bosch Vibration Control?

- ▶ Increased health protection
- ▶ No annoying and unpleasant sensations during work
- ▶ Less symptoms of fatigue
- ▶ Longer periods of work

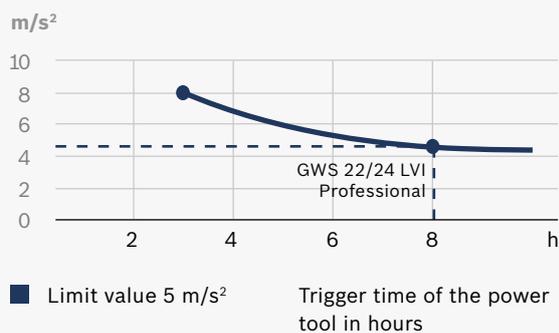
How long can I work per day with Bosch angle grinders?

Small Angle Grinder GWS 8-14 CIE Professional with Vibration Control	Max. number of applications per day until limit value*	Large Angle Grinders GWS 22/24 LVI Professional with Vibration Control	Max. number of applications per day until limit value*
Removing rust on metal plates, 40 cm x 20 cm	1,850	Removing rust on metal plates, 40 cm x 20 cm	1,837
Grinding welded seams, 10 cm x 1 cm	2,130	Grinding welded seams, 10 cm x 1 cm	781
Cutting steel reinforcement, 10 mm in diameter	4,200	Cutting steel reinforcement, 10 mm in diameter	4,114
Cutting concrete, 2 cm x 25 cm	1,540	Cutting concrete, 5 cm x 25 cm	> 5,500
Cutting sheet metal, 2 mm x 35 cm	3,600	Cutting sheet metal, 2 mm x 35 cm	> 5,500
Cutting bricks, 3 cm x 24 cm	3,600	Cutting bricks, 5 cm x 24 cm	> 5,000

A complete overview of Bosch Vibration Control in professional blue power tools from Bosch can be found at www.bosch-vibration-control.com.

Maximum permitted operating time per day with the GWS 22/24 LVI Professional

Vibration of the power tool in m/s^2



Less is more: the reduction of vibration with Bosch Vibration Control allows for a long operating time of the power tools. For example, the GWS 22 LVI Professional and GWS 24 LVI Professional: due to Bosch Vibration Control at the main and auxiliary handles, the maximum vibration exposure threshold of 5 m/s^2 in an 8-hour working day is not exceeded – for longer and more comfortable working. This means that the use of this tool is non-critical according to 2002/44/EC.

*Measured with Bosch accessories.

Professional blue angle grinders from Bosch: Full power, full protection



Bosch sees user protection as its main priority. Many of our professional angle grinders offer the following protection functions in addition to Bosch Vibration Control:



KickBack Stop

More protection: the tool shuts down when the disc is jammed.



Bullet Proof Guard

Stands firm, even if the disc breaks.



Starting current limitation

For a safe start.



Bosch Vibration Control

Patented vibration damping system.



Restart protection

Prevents the tool from automatically starting up after a power cut.



Brake system

The brake reduces the run-out time of the disc by up to 80%.



Double protective switch

Ensures that the tool is only switched on intentionally.

Other symbols and their meaning:



Inox

For a perfect finish on stainless steel.



Electronic

Speed preselection for adjusting to suit any application.



Direct cooling and additional air inlets

For high overload capability.



Bosch SDS System

Fast, tool-free changing of accessories.



Constant Electronic

Power booster for heavy loads. Constant speed, even under load.