

Concrete cutters, cut-off machines and earth augers





“The view’s great from up high.”

Olli particularly likes cutting on the balcony facade. There’s a fantastic view over the city from the balconies. “The people who live here are very lucky.” After finishing his cutting duties, he starts his next job with the cut-off machine straight away. Olli doesn’t need a break yet though. “The anti-vibration system does that. It provides some softening.”



Holes for construction fences are drilled to secure the construction site.



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Technology

- 1 Long-life air filter system**
The long-life air filter system with HD2 filter and additional filter even keeps fine dust away from the engine – for a particularly long service life. Thanks to special material, the filter can be washed, for example with STIHL Varioclean and warm water.
- 2 STIHL 2-MIX engine**
The two-stroke engine with STIHL 2-MIX technology saves up to 20% of fuel and reduces emissions by up to 70 % compared to STIHL 2-stroke engines of the same performance class without 2-MIX technology.
- 3 Diamond concrete cutter chains**
The STIHL concrete cutter chains for wet cutting of stone are equipped with LowStretch technology. The diamond segments are pre-sharpened and perform perfectly from the very first cut. The structure of the chain, with humped drive links, ensures quiet, low-vibration operation.
- 4 Guide bars with water supply**
The guide bars are fitted with water channels that wash and cool the chain, the groove in the guide bar and the sprocket nose. This ensures the long service life of the bar and chain, while also minimising the production of dust.

Comfort

- 5 Side-mounted chain tensioning**
Side-mounted chain tensioning makes it easy to tension the chain safely.
- 6 Water connection with dosing tap**
With the quick-release coupling, the device can easily be connected to the water supply. Using the dosing tap, you can conveniently set the water quantity for suppressing dust as well as for cooling and cleaning the chain.



This symbol stands for LowStretch technology. A special hard coating protects the rivets and drive links from wear. This reduces chain elongation.



This symbol stands for wet cutting and marks the use of water while cutting. The water suppresses the creation of dust and helps to cool and lubricate the tool.



Please note that not all products are equipped with the features listed here. Only the most important features are described on this page. For further explanations and information, see page 240 onwards or online at www.stihl.com.au.



Concrete cutter and accessories

- For professional construction workers
- For wet cutting concrete, stone and masonry
- For cutting pipes
- Ideal for cutting out corners in wall openings
- Perfectly complements the cut-off machine

GS 461



76.5 cm³, 4.3 kW/5.8 hp, 7.6 kg^①. Handles like a chainsaw, with the power of a cut-off machine. Side-mounted chain tensioning, STIHL anti-vibration system, water connection, decompression valve, STIHL ElastoStart, wear-resistant starter cord, HD2 filter, tank with bayonet fuel cap for upright refuelling, 2-MIX engine.

Bar length ^②	Order No.
40 cm / 16"	4252 200 0002



STIHL professional tip:

The concrete cutter perfectly complements the classic cut-off machine. It's ideal for precisely cutting corners, for example. First, the corners are pre-cut (pierced) using the concrete cutter and then the long, straight cuts are carried out using the cut-off machine. When using both tools, even larger openings can be cut efficiently and precisely. The resulting cut-outs can be incredibly heavy, so they should first be measured and, if required, divided into several pieces.

For suitable fuels and lubricants, see page 188 onwards.

① Weight excluding fuel, guide bar and diamond concrete cutter chain
 ② The actual bar length is shorter than the stated bar length

36 GBE diamond concrete cutter chain^①



Entry-level chain for quick, quiet and low-vibration wet cutting. Especially suitable for abrasive building material such as brick and lime sand brick, pre-sharpened diamond segments, with LowStretch technology.

Bar length ^②	Order No.
30 cm / 12"	3211 000 0054
40 cm / 16"	3211 000 0064

Rollomatic G guide bar



With water channels in guide bar and sprocket nose. Especially developed for the GS 461, the bar has two holes for extending the tensioning range, hardened chain track.

Bar length ^②	Order No.
30 cm / 12"	3006 000 1205
40 cm / 16"	3006 000 1213

36 GBM diamond concrete cutter chain^①



For quick, smooth and low-vibration wet cutting through concrete and hard stone. Limited suitability for cutting brick and ductile cast iron pipes. Pre-sharpened diamond segments, with LowStretch technology.

Bar length ^②	Order No.
30 cm / 12"	3210 000 0054
40 cm / 16"	3210 050 0064

Guide claw



Guide and support when cutting through concrete and brickwork. Made of hardened, galvanized steel, for GS 461.

Order No. 4252 660 0900

Order number	Rollomatic G guide bar (bar length, cm ^②)	Displacement (cm ³)	Power output (kW/hp)	Weight (kg) ^③	Sound pressure level ^④ (dB(A))	Sound power level ^④ (dB(A))	Vibration level, left/right ^⑤ (m/s ²)	STIHL engine (2-MIX / 4-MIX ^⑥)	Saw chain pitch	STIHL diamond concrete cutter chain	Side-mounted chain tensioning	Decompression valve	STIHL anti-vibration system	STIHL ElastoStart	HD2 filter	Tool-free fuel cap	Water connection	Wear-resistant starter cord
GS 461	4252 200 0002	40	76.5	4.3 / 5.8	7.6	105	115	4.5/4.0	2-MIX	3/8"	GBM	●	●	●	●	●	●	●

● As standard

③ Weight excluding fuel, guide bar or diamond concrete cutter chain
 ④ K factor according to Dir. 2006/42/EC = 2.5 dB(A)

⑤ K factor according to Dir. 2006/42/EC = 2 m/s²



Technology

- 1 STIHL Injection (i)**
The electronically controlled fuel injection ensures smooth-running at all times and reduces fuel consumption in comparison to tools without injection technology.


- 2 Electronic water control**
The water supply switches on and off automatically. Easy use of water supply metering via simple buttons.
- 3 Long-life air filter system with cyclone air routing**
The filter has a service life of up to one year (depending on the operating conditions) and requires no regular cleaning.

i Please note that not all products are equipped with the features listed here. Only the most important features are described on this page. For further explanations and information, see page 240 onwards or online at www.stihl.com.au.

Comfort

- 4 STIHL anti-vibration system**
Buffer and spring elements reduce the transmission of engine vibrations to the operator's arms and hands, making the tool comfortable to use.
- 5 Water connection**
The quick-release coupling is easy to attach. The water is routed to the cutting wheel for cleaning and dust suppression during wet cutting.
- 6 Tool-free fuel cap**
Special caps allow you to open and close the tank cap quickly, easily and without tools.
- 7 Magnesium guard**
The cutting wheel guard made of die-cast magnesium is particularly light. The guard and water supply feature an ergonomic design.



9 **Petrol cut-off machines**

- Hand-held tools
- For heavy duty cutting operations on construction sites
- For cutting concrete, stone, asphalt and bricks
- Extremely robust and powerful

TS 420



66.7 cm³, 3.2 kW/4.4 hp, 9.7 kg[Ⓞ]. An all-purpose cut-off machine for above and below ground. With 350 mm cutting wheels to cut up to 125 mm deep. The STIHL anti-vibration system guarantees the cut-off machine cuts well. Long-life air filter system, strength-saving start-up process thanks to the decompression valve, economical 2-MIX engine.

Order No. 4238 011 2814

TS 500i



72.2 cm³, 3.9 kW/5.3 hp, 10.2 kg[Ⓞ]. An all-purpose cut-off machine with STIHL injection. For 350 mm cutting wheels. The electronically controlled fuel injection guarantees perfect running performance. With just one start position, the device is particularly easy to start. Electronic water control for easy water supply metering. Together with the STIHL anti-vibration system, which ensures especially low vibration levels, the tool helps you to achieve a very precise cut. STIHL ElastoStart and the decompression valve make starting the machine notably easier. High torque, with economical 2-MIX engine.

Order No. 4250 011 2813

TS 700



98.5 cm³, 5.0 kW/6.8 hp, 11.7 kg^①. Most powerful cut-off machine for 350 mm cutting wheels. The cut-off machine is perfectly suited to use at full cutting depth and also on the FW 20 cart. Equipped with decompression valve and STIHL ElastoStart for effortless starting and the long-life air filter system. Economical 2-MIX engine.

Order No. 4224 011 2803

TS 800



98.5 cm³, 5.0 kW/6.8 hp, 12.7 kg^①. STIHL cut-off machine for 400, 416, 418 mm cutting wheels. Attains the maximum cutting depth of 145 mm, reduced weight due to magnesium guard. Also perfectly suited for carrying out separating cuts on the FW 20 cart. Equipped with decompression valve and STIHL ElastoStart for effortless starting and the long-life air filter system. Economical 2-MIX engine.

Order No. 4224 011 2823

For suitable cutting wheels, see page 179 onwards.

For suitable fuels and lubricants, see page 188 onwards.

^① Weight excluding fuel and cutting wheel

Illustrations include optional equipment



TSA 230



Easy-to-manoeuvre battery cut-off machine for 230 mm cutting wheels. Suitable for indoor and outdoor use, up to 70 mm cutting depth, water connection with ball valve and hose coupling for wet cutting, spindle lock, maintenance-free belt drive. Weight: 3.9 kg [Ⓣ].

TSA 230 excluding battery and charger

Order No. 4864 011 6600

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Battery cut-off machines

- For builders, roofers, fitters as well as gardening and landscaping professionals
- For cutting reinforcement steel mesh, stone and pipes
- Can be used indoors and outdoors without limitations
- Dust suppressing through use of water

For suitable lithium-ion batteries and other accessories, see page 8 onwards.

For suitable cutting wheels, see page 179 onwards.

[Ⓣ] Weight excluding battery and cutting wheel
Illustration includes optional equipment

For retail pricing visit www.stihl.com.au



Accessories for cut-off machines

- For carrying out a broad range of tasks and making the cut-off machine even easier to use
- Cart for precise cuts and longer cutting distances
- Simple, tool-free assembly and disassembly of the cut-off machine on the cart

FW 20 cart with attachment kit



For exact edges over long cuts, with depths accurate to the millimetre. Suitable for all hand-held STIHL cut-off machines, an attachment kit with a quick-mounting system is included.

For TS 400
Order No. 7004 872 8400

For TS 420, TS 500i
Order No. 7004 872 8500

For TS 700, TS 800
Order No. 7004 872 8800

Attachment set for water tank



13 l. For the FW 20 cart. With coupling sleeve.

Low profile.
Order No. 4224 007 1018

Upright with water cut-off valve.
Order No. 4224 007 1005

Cutting direction indicator



For the FW 20 cart.

Order No. 4205 007 1009

Quick-mounting system conversion kit



For the FW 20 cart.

For TS 400
Order No. 4223 790 0702

For TS 420, TS 500i
Order No. 4250 790 0700

For TS 700, TS 800
Order No. 4224 790 0705



STIHL professional tip:

The FW 20 cart can be folded together and stored easily. One person can transport it effortlessly. Even the quick-release device boasts many advantages making the cut-off machine multi-talented. That's how you benefit from having two tools in one – cut-off machine and compact cart-mounted cut-off machine.

Depth stop



The depth stop with vacuum support enables dust-free cutting of mineral construction materials on flat surfaces. Exact and continuously adjustable cutting depth possible for TSA 230.

Order No. 4864 690 0801

Wheel kit



Attachment kit for the front foot. The cut-off machine is supported on flat surfaces, smooth-running wheels facilitate moving the tool, for TS 420 and 420 A, TS 500i, TS 700 and TS 800.

Order No. 4224 007 1014

Pressurised water container



10 l. For mobile water supply to cut-off machines on construction sites with no water connections. Not recommended for the GS 461.

Order No. 0000 670 6000

Shaft sleeve (not pictured)

Adapter for diamond cut-off saw cutting wheels. 1" hole made of brass, for all cut-off machines with 20 mm shaft.

Order No. 0000 708 4200

Construction helmet



Lightweight polyethylene construction helmet with ventilation openings on both sides in the top part of the helmet crest. Moisture is absorbed by an adjustable sweatband on the inside, with rain gutter to channel off water, compliant with AS/NZS 1801.

Orange

Order No. 7004 884 0100

VISION safety glasses



Very light glasses with a sporty design. Large lenses with 100 % UV protection, scratch-resistant exterior and interior. AS/NZS 1337.1

Clear

Order No. 7004 884 0300

Mirrored

Order No. 7004 884 0301

Smoked

Order No. 7004 884 0302

More protective equipment is listed from page 218 onwards.

Order number	Displacement (cm³)	Power output (kW/hp)	Rated voltage (V)	Weight (kg)	Sound pressure level ^① (dB(A))	Sound power level ^② (dB(A))	Vibration level left/right ^③ (m/s²)	STIHL engine (2-MIX/4-MIX ^④)	Total length (cm)	Cutting wheel (mm)	Max. cutting depth (mm)	Decompression valve	STIHL anti-vibration system	STIHL ElastoStart	Water connection	Wear-resistant starter cord	Magnesium guard	Electronic water control	Semi-automatic belt tensioning	Cyclone air routing	STIHL Injection (i)
Petrol cut-off machine^⑤																					
TS 420	4238 011 2814	66.7	3.2/4.4	–	9.7 ^④	98 ^⑥	109 ^⑥	3.9/3.9	2-MIX	72.5	350	125	●	●	○	●	●	–	●	●	–
TS 500i	4250 011 2813	72.2	3.9/5.3	–	10.2 ^④	98 ^④	112 ^④	2.4/2.0	2-MIX	73.0	350	125	●	●	●	●	●	●	●	●	●
TS 700	4224 011 2803	98.5	5.0/6.8	–	11.7 ^④	101 ^⑥	113 ^⑥	6.6/4.5	2-MIX	85.0	350	125	●	●	●	○	●	–	●	●	–
TS 800	4224 011 2823	98.5	5.0/6.8	–	12.7 ^④	101 ^⑥	113 ^⑥	6.5/3.9	2-MIX	89.0	400, 416, 418	145	●	●	●	○	●	–	●	●	–
Battery cut-off machine^⑤																					
TSA 230	4864 011 6600	–	–	36	3.9 ^⑥	103 ^⑦	114 ^⑦	3.5/3.5	–	55.0	230	70	–	–	–	●	–	●	–	–	–

● As standard
○ Retrofittable (accessory)

A = Electronic water control
i = STIHL Injection

① K factor according to Dir. 2006/42/EC = 2.5 dB(A)
② K factor according to Dir. 2006/42/EC = 2 m/s²
③ With abrasive cutting wheel
④ Weight excluding fuel and cutting wheel

⑤ Weight excluding battery and cutting wheel
⑥ Measurement according to ISO 19432
⑦ Measurement with cutting wheels according to EN 60745-2-22



Cutting wheels

- Abrasive and diamond cutting wheels for cutting natural stone, asphalt, steel and concrete
- Designed to perfectly match STIHL cut-off machines
- Long service life and high cutting performance

Abrasive cutting wheels



Structural steel

For cutting structural steel and metal profiles in construction and in metal processing operations.



Asphalt/ductile cast iron

Cutting wheel for road construction and pipeline engineering, specially for cutting ductile cast iron pipe.



Stone

Cutting wheel for bricks and general use in construction. Also for wet-cutting stone without creating dust clouds.

Abrasive cutting wheels			
		Order number	Diameter (mm / inch)
Structural steel 	K-ME	0835 012 7000	230 / 9
		0835 010 7001	350 / 14
		0835 010 7002	400 / 16
Asphalt/ductile cast iron 	K-DG	0835 030 7001	350 / 14
		0835 030 7002	400 / 16
Stone 	K-BA	0835 020 7001	350 / 14
		0835 020 7002	400 / 16

Diamond cutting wheels



Universal

For a very wide range of materials on construction sites. Also recommended for clean-up work and emergency clearing jobs. The main blade is metallic silver. Available in different versions: Durable and quick-cutting with general building blocks and granite as well as for construction steel up to 10 mm. Or quick and versatile in asphalt, building blocks and concrete.



Concrete (B)

For cutting concrete, clay bricks and exposed aggregate concrete, as well as reinforced concrete and general construction materials. Available in different performance classes, painted grey.



Asphalt (A)

For cutting asphalt, fresh concrete, abrasive concrete and sandstone. Segment height 10 mm with high cutting performance across all performance classes, protection segments, main blade painted black.

Diamond cutting wheels			
	Order number	Diameter (mm / inch)	
Universal 	D-BA80	0835 090 7033	418/16
	D-SB80	0835 090 7008	350/14
	D-X100	0835 092 7000	230/9
Concrete (B) 	D-BA 90	0835 090 7036	350/14
		0835 090 7035	400/16
		0835 090 7033	418/16
	D-B10	0835 090 7034	230/9
		0835 090 7040	350/14
		0835 090 7024	400/16
D-B20	0835 090 7026	350/14	
	0835 090 7027	400/16	
D-B70	0835 090 7021	416/16	
Asphalt (A) 	D-A5	0835 080 7012	350/14
	D-A40	0835 080 7015	400/16

Recommended use ^②		Asphalt	Fresh concrete	Sandstone	Brick	Concrete	Reinforced concrete	Strongly reinforced concrete, old concrete	Granite, hard natural stone	Ductile cast iron	Structural steel	Service life	Cutting performance
													
	D-BA80	○	○	○	○	○	○	-	-	-	-		
	D-BA90	○	○	○	○	○	○	-	-	-	-		
	D-SB80	-	-	-	○	○	○	○	○	ⓐ	ⓑ		
	D-X100	-	-	-	○	○	○	○	○	ⓐ	ⓑ		
	D-B10	-	-	-	○	○	○	-	-	-	-		
	D-B20	-	-	-	○	○	○	-	-	-	-		
	D-B60	-	-	-	○	○	○	○	-	-	-		
	D-B70	○	○	○	○	○	○	-	-	-	-		
	D-A5	○	○	○	-	-	-	-	-	-	-		
	D-A40	○	○	○	-	-	-	-	-	-	-		
	D-A80	○	○	○	-	-	-	-	-	-	-		

○ Suitable
- Not recommended

② When utilising cutting wheels, use in combination with the cut-off machine must be taken into consideration on site

ⓐ Not recommended for long periods of use

ⓑ Up to a profile thickness of 10 mm, not suitable for long periods of use

