

Our pneumatic chain saw with additional connection for the air exhaust. More chain bar lengths on request.



	PNEUMATIC		OPERATING PRESSURE		RATION	3			
ORDER NO.	Chain bar length usable	Power	Air consumption	Length without chainbar	Air inlet	Air outlet	Hose ID	Vibration level	Weight without chain bar/chain
	mm	kW	m³/min	mm			mm	m/s²	kg
5 1028 0010	430	3.0	2.9	400	R3/4"female	R3/4"female	15	<2.5	8.5
									6 - 1

Subject to technical change.

Performance data at an operating pressure of 6 bar.

PISTOL DRILLS

Our handy and universally usable pneumatic pistol drills, type 2 1268 0010 with drill chuck up to 13 mm diameter.

	PNEUMATIC (OPERATING PRESSURE		DERWATER &	**				
ORDER NO.	Drilling capacity in steel	Speed (free)	Power	Air consumption	Length incl. drill chuck	Air inlet	Air outlet	Hose ID	Vibration level	Weight
		rpm	kW	m³/min	mm			mm	m/s²	kg
2 1267 0010	10	1,550	0.5	0.6	235	R1/4"female	R3/8"female	10	<2.5	2.1
2 1268 0010	13	850	0.5	0.6	245	R1/4"female	R3/8"female	10	<2.5	2.3
Subject to tec	hnical change					Parforms	nna data at a	n onera	ting proceur	onf 6 har

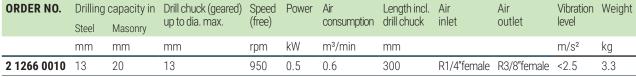
Subject to technical change.

Performance data at an operating pressure of 6 bar.

PISTOL HAMMER DRILL

Our pneumatic pistol hammer drill for multipurpose use. Drilling in concrete, stone, masonry up to 20 mm diameter, iron and steel up to 13 mm diameter. Impact mechanism can be switched on and off.

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	PNEUMATIC)	OPERATING PRESSURE		UNDI OPER	ERWATER RATION	**	\$55
ORDER NO.	Drilling capacity in		(5)	Speed (free)		Air	nn.	Le



Subject to technical change. Performance data at an operating pressure of 6 bar.

HAMMER DRILL SDS-PLUS

Subject to technical change.

Our hydraulic hammer drill with SDS-plus shank for drilling up to 28 mm diameter in concrete.

Impact mechanism can be switched on and off.



Performance data at an operating pressure of 6 bar.

	PNEUMATIC		OPERA PRESS		OPERATI		***					
ORDER NO.	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Air consumption	Dimens Length	sions Height	Width	Air inlet	Air outlet	Vibration level	Weight
	mm	rpm	kW	rpm	m³/min	mm	mm	mm			m/s²	kg
2 2404 0040	28	625	0.5	3,000	0.6	410	240	100	R1/2"female	R3/8"female	4.5	6.3

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HAMMER DRILL SDS-MAX

Our hydraulic hammer drill with SDS-max shank for drilling up to 50 mm diameter in concrete.

Impact mechanism can be switched on and off.

						_		
	PNEUMATIC		OPERA PRESS		6 Bar		UNDERWATER OPERATION	***
ORDER NO.	Drilling capacity	Speed	Power	Blows		Air	Dime	ension

Air Vibration Weight Air outlet in concrete (free) per minute consumption inlet level Length Width Height kW m³/min m/s² kg mm rpm rpm mm mm mm 2 2417 0010 50 250 1.5 2,500 1.5 640 125 275 R3/8"female R1/2"female 9.2 13.3

Subject to technical change.

Performance data at an operating pressure of 6 bar.

CORE DRILL UNITS

Our pneumatic core drill units with three gear stages for all hand-operated drilling up to 82 mm diameter, or with drill rig up to 160 mm diameter in concrete, stone and masonry.

	PNEU	MATIC	\bigoplus		RATING 6 SURE Bar		DERWATER ERATION		Town or the same of the same o		
ORDER NO.	Speed	(free)		Power	Air	Length	Drill bit	Air inlet/	Hose	Vibration	Weight
	1. Gear	2. Gear	3. Gear		consumption		adapter	outlet	ID	level	
	rpm	rpm	rpm	kW	m³/min	mm			mm	m/s²	kg
2 1353 0010	400	900	1,600	1.6	2.2	540	1 1/4"UNCmale/R1/2"female	R3/4"male/R1"male	15	<2.5	8.2
2 1355 0010	300	700	1,350	2.8	3.5	594	1 1/4"UNCmale/R1/2"female	R3/4"male/R1"male	15	<2.5	9.2
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Subject to technical change.

Performance data at an operating pressure of 6 bar.

IMPACT WRENCHES

Our powerful pneumatic impact wrenches with slim design.

*The specified max. torque refers to screws of strength class 8.8.



ORDER NO.	Square drive	Max. torque*	For screws up to	Air consumption	Distance centre/ outer edge	Air inlet	Air outlet	Hose ID	Vibration level	Weight
		Nm	mm	m³/min	mm			mm	m/s²	kg
6 1316 0070	3/4"	1,350	M30	1.4	45	R1/2"female	R1/2"male	13	4.5	5.6
6 1316 0060	1"	1,350	M30	1.4	45	R1/2"female	R1/2"male	13	4.5	5.7

Subject to technical change. Performance data at an operating pressure of 6 bar.

AXIAL DIE GRINDER

The exhaust air is discharged seperately.



	PNEUMATIO		PRESSUE		OPERATION					
ORDER NO.	Collet*	Speed (free)	Power	Air consumption	Exhaust air guide	Machine length	Air inlet	Hose ID	Vibration level	Weight
	mm	rpm	kW	m³/min		mm		mm	m/s²	kg
1 5077 0010	6	20,000	0.7	0.85	rear	246	R1/4"female	10	<2.5	1.4
Subject to tecl	hnical change.		*more typ	es available		Pe	erformance dat	a at an opera	ting pressure	e of 6 bar.

ANGLE GRINDER

Our handy angle grinder is particularly usable in tight spaces. The exhaust air is discharged seperately.

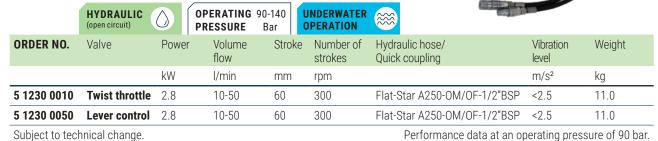


	PNEUMA	тіс 💮	OPERATING 6 PRESSURE Bar		UNDERWAT OPERATION	3						
ORDER NO.	Disc dia. max.	Speed (free)	Power	Air consumption	Tool holder	Dimens Length	sions Height	Width	Air inlet	Hose ID	Vibration level	Weight
	mm	rpm	kW	m³/min	mm	mm	mm	mm		mm	m/s²	kg
1 4311 0050	125	11,600	0.3	1.00	Ø22.2/M14	227	101	223	R1/4"male	10	<2.5	2.5
Subject to tec	hnical chan	ge.					Per	formar	nce data at a	n operat	ing pressure	e of 6 bar.

RECIPROCATING SAWS

Our hydraulic reciprocating saws for use in open circuit with powerful drive, increased cutting speed and safety lever control or twist throttle.

Only usable with a clamp.



SABRE SAW

Our hydraulic sabre saw for use in open circuit with higher driving performance for hardest cutting demands.



	(open ci	ircuit)		PRESSURE	Bar	OPERA	TION	HANNA PLEY	
ORDER NO.	Cutting	g capacity Steel	Power	Volume flow	Stroke	Number of strokes	Hydraulic hose/ Quick coupling	Vibration level chipboard/wooden beam	Weight
	mm	mm	kW	l/min	mm	rpm		m/s²	kg
5 1219 0010	160	19	1.5	22-50	28	1,500	Flat-Star A250-OM/OF-1/2"BSP	15.9/19.3	6.0
Subject to tec	hnical c	hange.					Performance data	at an operating pressure	of 90 bar.

CHAIN SAW

Our powerful hydraulic chain saw with brake for use in open circuit and integrated pressure relief valve.

*Order number without cutting equipment, chains and chain bars are seperately available.

HYDRAULIC OPERATING 90-140 UNDERWATER CONTROL



	HYDRA (open circu			NG 140-200 RE Bar	UNDERWATER OPERATION			
ORDER NO.	Power	Speed (free)	Max. chain speed	Volume flow	Length without chain bar	Hydraulic hose/ Quick coupling	Vibration level	Weight without bar/chain
	kW	rpm	m/s	l/min	mm		m/s²	kg
5 1030 0010*	7.7	5.000	13.2	40-50	530	Flat-Star A250-OM/OF-1/2"BSP	3.6	10.5
Subject to tech	nical cha	inge.				Performance data at an o	perating pre	essure of 140 bar.

The hydraulic drill with **pistol handle** is easy to handle and for universal use, with geared chuck up to dia. 13 mm, **reversable**,

as well usable in explosive areas and for underwater operation.



	HYDRAULIC (open circuit)	OPERAT PRESSI		NDERWA PERATIO	\sim	**		ST. ST.	P
ORDER NO.	Drill chuck up to (geared chuck)	Drilling capacity in steel, max. dia.	Drilling capacity in wood, max. dia.	Speed (free)	Power	Volume flow	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	mm	mm	rpm	kW	l/min		m/s²	kg
2 1360 0010	13.0	13.0	30.0	1,120	2.0	15-30	Flat-Star A250-OM/OF-1/2"BSP	<2.5	8.1
Subject to tech	nnical change.					Perfo	rmance data at an operating	nressure o	f 140 bar

DRILLS

The hydraulic drill with **D-handle** is easy to handle and for universal use, with geared chuck up to dia. 13 mm, **reversable**, as well usable in explosive areas and for underwater operation.

	HYDRAULIC (open circuit)	OPERAT PRESSI		NDERWA PERATIO	\sim	≋	The second second	Acres de la constante	
ORDER NO.	Drill chuck up to (geared chuck)	Drilling capacity in steel, max. dia.	Drilling capacity in wood, max. dia.	Speed (free)	Power	Volume flow	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	mm	mm	rpm	kW	l/min		m/s²	kg
2 1361 0010	13.0	13.0	30.0	1,120	2.0	15-30	Flat-Star A250-OM/OF-1/2"BSP	<2.5	7.3
Subject to tecl	hnical change.					Perfo	ormance data at an operating	pressure o	of 140 bar

HAMMER DRILLS SDS-PLUS

Our hydraulic hammer drills with SDS-max shank for use in open circuit for drilling up to 28 mm diameter in concrete. Type 2 2426 0010 with integrated pressure relief valve. Impact mechanism can be switched on and off.

	HYDRAULIC (open circuit)	A	OPERAT PRESSU	ING 80 ¹⁾ -140 ²⁾ RE Bar		UNDERWATER OPERATION					
ORDER NO.	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Volume flow	Dimens Length	sions Height	Width	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	rpm	KW	rpm	l/min	mm	mm	mm		m/s²	kg
2 2406 0010 ¹⁾	28	500	1.2	3,400	15-45	460	260	102	Flat-Star A250-OM/OF-1/2"BSP	4.5	8.2
2 2426 0010 ²⁾	28	500	1.2	3,400	15-25	460	260	102	Flat-Star A250-OM/OF-1/2"BSP	4.5	8.2
Subject to tech	grated pressure relief valve				Performance data at an operating pressure of 80 ba			of 80 bar.			

HAMMER DRILL SDS-MAX

Our hydraulic hammer drill for use in open circuit for drilling up to 50 mm diameter in concrete. Impact mechanism can be switched on and off.

	HYDRAULIC (open circuit)	/ 3 = 1	OPERAT		UNDER OPERA	RWATER ATION	***				
ORDER NO.	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Volume flow	Dimens Length		Width	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	rpm	KW	rpm	l/min	mm	mm	mm		m/s²	kg
2 2418 0010	50	270	1.2	2,700	15-45	640	125	298	Flat-Star A250-OM/OF-1/2"BSP	9.0	14.0
Subject to tec	hnical change.							Perfor	mance data at an operating p	oressure o	f 80 bar.

Our powerful hydraulic magnetic core drills for use in open circuit for drilling up to diameter 100 mm.



	HYDRA (open cir			ERATING ESSURE	140-180 Bar		ERWAT RATION	\sim					4 0
ORDER NO.	Tool holder	Speed infinitely adjustable	Power	Volume flow	Drilling Drill core	g capaci Spiral drill	ty diam Taper	eter max. Reamer	Spot facer	Stroke	Magnetic force at 10 mm material thickness	Vibration level	Weight
		rpm	kW	l/min	mm	mm	mm	mm	mm	mm	kg	m/s²	kg
2 1345 0010	MT3	40-250	2.5	20-23	100	31.75	M30	31	50	300	850	<2.5	22.5
2 1345 0020	MT3	40-250	2.5	20-23	100	31.75	M30	31	50	300	1,500	<2.5	27.5
Subject to technical change. Performance data at an operating pressure of 140 bar.													

CORE DRILL UNIT

Our hydraulic core drill unit for use in open circuit for hand-operated drilling up to 82 mm diameter or with drill rig up to 160 mm diameter in concrete, stone and

	HYDRA (open circ		, v = 1	OPERATIN PRESSURI		UNDERWATER OPERATION			
ORDER NO.	Speed(fr 1. Gear	ree) 2. Gear	3. Gear	Power	Volume flow	Hydraulic hose/ Quick coupling	Drill bit adapter	Vibration level	Weight
	rpm	rpm	rpm	kW	l/min			m/s²	kg
2 1317 0030	380	900	1,800	2.8	22-45	Flat-Star A250-OM/OF-1/2"BSP	1 1/4"UNCmale / R1/2"female	<2.5	8.5
Subject to tec	hnical ch	ange.				Pei	rformance data at an operatin	g pressure (of 90 bar.

DRILLS

Our hydraulic drills for use in open circuit is safely operated with both hands. Type 2 3060 0010 is reversible for drilling in wood.

	HYDRAULIC (open circuit)	/ A -	ERATING 90-140 ESSURE Bar	UNDERWATER OPERATION	**	•	
ORDER NO.	Tool holder	Speed (free)	Torque	Power	Volume flow	Hydraulic hose/ Quick coupling	Weight
		rpm	Nm	kW	l/min		kg
2 3055 0010	MT3	280	60	1.6	10-45	Flat-Star A250-OM/OF-1/2"BSP	8.5
2 3060 0010*	MT3	280	60	1.6	10-45	Flat-Star A250-OM/OF-1/2"BSP	8.5
Subject to tech	nnical change.		*rev	ersible	Perf	ormance data at an operating pressu	re of 90 bar.

IMPACT WRENCHES

Our universally usable hydraulic impact wrenches for use in open circuit.

*The specified max. torque refers to screws of strength class 8.8.

1)adjustable

aujustable								W
	HYDRAU (open circui		OPERATING T		UNDERWATER SECOND		60 C	
ORDER NO.	Square drive	Max. torque*	For screws up to	Volume flow	Distance centre/ outer edge	Hydraulic hose/ Quick coupling	Vibration level	Weight
		Nm	mm	l/min	mm		m/s²	kg
6 1515 0010	3/4"	1,700	M30	20-40	45	Flat-Star A250-OM/OF-1/2"BSP	3.8	7.3
6 1514 0010	1"	1,700	M30	20-40	45	Flat-Star A250-OM/OF-1/2"BSP	3.8	7.3
Subject to tec	hnical chai	nge.				Performance data at an operation	ng pressure	of 140 bar.



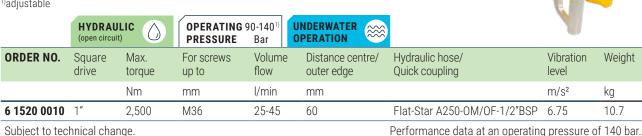


IMPACT WRENCHES

Our most powerful 1" hydraulic impact wrench for use in open circuit.

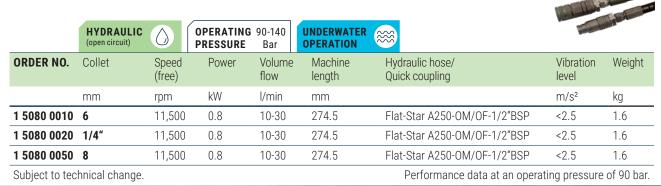
*The specified max. torque refers to screws of strength class 8.8.





AXIAL GRINDERS

Our powerful hydraulic axial grinders for use in open circuit are ideally suited for hard grinding work.



AXIAL GRINDER

Our powerful hydraulic grinder for use in open circuit with high removal rate. The maximum diameter of the grinding wheel is 200 mm.



	(open circuit)	IC 🔘	OPER/ PRESS	ATING 90-14 SURE Bar		7001		
ORDER NO.	Wheel dia.max.	Speed (free)	Power	Volume flow	Tool holder	Hydraulic hose/ Quick coupling	Vibration level	Weight without guard
	mm	rpm	kW	l/min	mm		m/s²	kg
1 1580 0060	200	7,000	1.8	18	dia.20/M12	Flat-Star A250-OM/OF-1/2"BSP	<2.5	8.3
Subject to tecl	hnical chang	je.				Performance data at	an operating p	ressure of 90 bar.

VERTICAL GRINDER

Our powerful hydraulic vertical grinder for use in open circuit is usable for all heavy-duty rough grinding and cutting work.

	HYDRAULI (open circuit)	c 🚫	OPER/ PRESS	ATING 90-1 BURE Ba			,	
ORDER NO.	Disc dia. max.	Speed (free)	Power	Volume flow	Tool holder	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	rpm	kW	l/min	mm		m/s²	kg
1 2060 0010	230	3,600	3.5	20-45	dia.22.2 / 5/8-11UN0	C Flat-Star A250-OM/OF-1/2"BSP	3.0	5.8
Subject to tec	hnical change	e.				Performance data at an opera	ting pressure	of 90 bar.

ANGLE GRINDER

Our hydraulic angle grinder for use in open circuit is extremly powerful. Guarantees maximum cutting and removal rate.

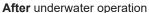


	HYDRAULIC (open circuit)	\bigcirc	OPERATING PRESSURE	90-140 Bar	UNDERWATER OPERATION			
ORDER NO.	Disc dia. max.	Speed (free)	Power	Volume flow	Tool holder	Hydraulic hose/ Quick coupling	Vibration level	Weight
	mm	rpm	kW	l/min	mm		m/s²	kg
1 1585 0010	125	5,500	1.8	20	dia.22.2/M14	Flat-Star A250-OM/OF-1/2"BSP	<2.5	7.6
Subject to tec	hnical change.					Performance data at an ope	rating pressur	e of 90 bar.

OPERATING INSTRUCTION FOR UNDERWATER TOOLS

Before underwater operation

- Check proper hose connection
- Check the machine for leakage
- Check all functions of the machine (drilling, blowing, valves, etc.)



- Clean the machine
- Dry the machine with compressed air
- Spray all moving parts with Multi-Oil-Spray (or similar)

For additional information see the machine-specific operating and maintenance manual.

For long-life operation of the machine we recommend a general overhaul (after 3 months of use)

made by SPITZNAS. For maintenance and cleaning use Multi-Oil-Spray with SPITZNAS order number 9 9902 0120.

