



**SPITZNAS**  
CUSTOMIZED POWER SOLUTIONS

# UNDERWATER TOOLS

TOOLS FOR THE SPECIALIST

PNEUMATIC



HYDRAULIC



## CHAIN SAW

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



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

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.



ORDER NO.	PNEUMATIC	Speed (free)	Power	OPERATING PRESSURE	6 Bar	Length incl. drill chuck	Air inlet	Air outlet	Hose ID	Vibration level	Weight
	Drilling capacity in steel			Air consumption							
		rpm	kW	m³/min		mm			mm	m/s²	kg
<b>2 1267 0010</b>	10	1,550	0.5	0.6		235	R1/4"female	R3/8"female	10	<2.5	2.1
<b>2 1268 0010</b>	13	850	0.5	0.6		245	R1/4"female	R3/8"female	10	<2.5	2.3

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.



ORDER NO.	PNEUMATIC		Drill chuck (geared) up to dia. max.	Speed (free)	Power	Air consumption	Length incl. drill chuck	Air inlet	Air outlet	Vibration level	Weight
	Steel	Masonry									
	mm	mm	mm	rpm	kW	m³/min	mm			m/s²	kg
<b>2 1266 0010</b>	13	20	13	950	0.5	0.6	300	R1/4"female	R3/8"female	<2.5	3.3

Subject to technical change.

Performance data at an operating pressure of 6 bar.

## HAMMER DRILL SDS-PLUS

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.



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

Subject to technical change.

Performance data at an operating pressure of 6 bar.



## 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.



ORDER NO.	PNEUMATIC		OPERATING PRESSURE 6 Bar		UNDERWATER OPERATION		Dimensions			Air inlet	Air outlet	Vibration level	Weight
	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Air consumption		Length	Height	Width				
	mm	rpm	kW	rpm	m³/min		mm	mm	mm			m/s²	kg
<b>2 2417 0010</b>	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.



ORDER NO.	PNEUMATIC			OPERATING PRESSURE 6 Bar		UNDERWATER OPERATION		Air inlet/ outlet	Hose ID	Vibration level	Weight
	Speed (free)	Power	Air consumption	Length	Drill bit adapter						
	1. Gear	2. Gear	3. Gear	kW	m³/min	mm			mm	m/s²	kg
<b>2 1353 0010</b>	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
<b>2 1355 0010</b>	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

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.



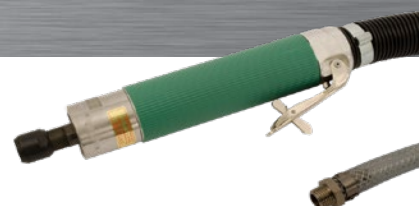
ORDER NO.	PNEUMATIC		OPERATING PRESSURE 6 Bar		UNDERWATER OPERATION		Air inlet	Air outlet	Hose ID	Vibration level	Weight
	Square drive	Max. torque*	For screws up to	Air consumption	Distance centre/ outer edge						
		Nm	mm	m³/min	mm				mm	m/s²	kg
<b>6 1316 0070</b>	<b>3/4"</b>	1,350	M30	1.4	45		R1/2"female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

Our smallest pneumatic axial die grinder for milling cutters and grinding wheels. The exhaust air is discharged separately.



ORDER NO.	PNEUMATIC		OPERATING PRESSURE 6 Bar		UNDERWATER OPERATION		Air inlet	Hose ID	Vibration level	Weight
	Collet*	Speed (free)	Power	Air consumption	Exhaust air guide	Machine length				
	mm	rpm	kW	m³/min		mm		mm	m/s²	kg
<b>1 5077 0010</b>	6	20,000	0.7	0.85	rear	246	R1/4"female	10	<2.5	1.4

Subject to technical change.

\*more types available



Performance data at an operating pressure of 6 bar.

## ANGLE GRINDER

PNEUMATIC

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



ORDER NO.	PNEUMATIC 		OPERATING PRESSURE 6 Bar		UNDERWATER OPERATION 		Dimensions			Air inlet	Hose ID	Vibration level	Weight
	Disc dia. max.	Speed (free)	Power	Air consumption	Tool holder		Length	Height	Width				
	mm	rpm	kW	m³/min	mm		mm	mm	mm		mm	m/s²	kg
<b>1 4311 0050</b>	125	11,600	0.3	1.00	Ø22.2/M14		227	101	223	R1/4"male	10	<2.5	2.5

Subject to technical change.

Performance data at an operating pressure of 6 bar.



## RECIPROCATING SAWS

HYDRAULIC

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.



ORDER NO.	Valve	HYDRAULIC (open circuit) 		OPERATING PRESSURE 90-140 Bar		UNDERWATER OPERATION 		Hydraulic hose/ Quick coupling	Vibration level	Weight
		Power	Volume flow	Stroke	Number of strokes					
		kW	l/min	mm	rpm				m/s²	kg
<b>5 1230 0010</b>	<b>Twist throttle</b>	2.8	10-50	60	300			Flat-Star A250-OM/OF-1/2"BSP	<2.5	11.0
<b>5 1230 0050</b>	<b>Lever control</b>	2.8	10-50	60	300			Flat-Star A250-OM/OF-1/2"BSP	<2.5	11.0

Subject to technical change.



Performance data at an operating pressure of 90 bar.

## SABRE SAW

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit) 		OPERATING PRESSURE 90-140 Bar		UNDERWATER OPERATION 		Hydraulic hose/ Quick coupling	Vibration level chipboard/wooden beam	Weight
	Cutting capacity Wood	Steel	Power	Volume flow	Stroke	Number of strokes			
	mm	mm	kW	l/min	mm	rpm		m/s²	kg
<b>5 1219 0010</b>	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 technical change.



Performance data at an operating pressure of 90 bar.

## CHAIN SAW

HYDRAULIC

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 separately available.



ORDER NO.	HYDRAULIC (open circuit) 		OPERATING PRESSURE 140-200 Bar		UNDERWATER OPERATION 		Hydraulic hose/ Quick coupling	Vibration level	Weight without bar/chain
	Power	Speed (free)	Max. chain speed	Volume flow	Length without chain bar				
	kW	rpm	m/s	l/min	mm			m/s²	kg
<b>5 1030 0010*</b>	7.7	5.000	13.2	40-50	530		Flat-Star A250-OM/OF-1/2"BSP	3.6	10.5

Subject to technical change.

Performance data at an operating pressure of 140 bar.

## DRILLS

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)	OPERATING PRESSURE 140 Bar		UNDERWATER OPERATION		Volume flow	Hydraulic hose/ Quick coupling	Vibration level	Weight
	Drill chuck up to (geared chuck)	Drilling capacity in steel, max. dia.	Drilling capacity in wood, max. dia.	Speed (free)	Power				
	mm	mm	mm	rpm	kW	l/min		m/s <sup>2</sup>	kg
<b>2 1360 0010</b>	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 technical change.

Performance data at an operating pressure of 140 bar.

## DRILLS

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)	OPERATING PRESSURE 140 Bar		UNDERWATER OPERATION		Volume flow	Hydraulic hose/ Quick coupling	Vibration level	Weight
	Drill chuck up to (geared chuck)	Drilling capacity in steel, max. dia.	Drilling capacity in wood, max. dia.	Speed (free)	Power				
	mm	mm	mm	rpm	kW	l/min		m/s <sup>2</sup>	kg
<b>2 1361 0010</b>	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 technical change.

Performance data at an operating pressure of 140 bar

## HAMMER DRILLS SDS-PLUS

HYDRAULIC

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.



ORDER NO.	HYDRAULIC (open circuit)	OPERATING PRESSURE 80 <sup>1)</sup> -140 <sup>2)</sup> Bar			UNDERWATER OPERATION			Hydraulic hose/ Quick coupling	Vibration level	Weight
	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Volume flow	Dimensions Length	Height	Width		
	mm	rpm	KW	rpm	l/min	mm	mm	mm	m/s <sup>2</sup>	kg
<b>2 2406 0010<sup>1)</sup></b>	28	500	1.2	3,400	<b>15-45</b>	460	260	102	Flat-Star A250-OM/OF-1/2"BSP	4.5
<b>2 2426 0010<sup>2)</sup></b>	28	500	1.2	3,400	<b>15-25</b>	460	260	102	Flat-Star A250-OM/OF-1/2"BSP	4.5

Subject to technical change.

<sup>2)</sup>with integrated pressure relief valve

Performance data at an operating pressure of 80 bar.

## HAMMER DRILL SDS-MAX

HYDRAULIC

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.



ORDER NO.	HYDRAULIC (open circuit)	OPERATING PRESSURE 80 Bar			UNDERWATER OPERATION			Hydraulic hose/ Quick coupling	Vibration level	Weight
	Drilling capacity in concrete	Speed (free)	Power	Blows per minute	Volume flow	Dimensions Length	Height	Width		
	mm	rpm	KW	rpm	l/min	mm	mm	mm	m/s <sup>2</sup>	kg
<b>2 2418 0010</b>	50	270	1.2	2,700	15-45	640	125	298	Flat-Star A250-OM/OF-1/2"BSP	9.0

Subject to technical change.

Performance data at an operating pressure of 80 bar.



## MAGNETIC CORE DRILLS

HYDRAULIC

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



ORDER NO.	Tool holder	Speed infinitely adjustable	Power	Volume flow	Drilling capacity	Diameter max.				Stroke	Magnetic force at 10 mm material thickness	Vibration level	Weight
						Drill core	Spiral drill	Taper	Reamer				
		rpm	kW	l/min	mm	mm	mm	mm	mm	mm	kg	m/s <sup>2</sup>	kg
<b>2 1345 0010</b>	MT3	40-250	2.5	20-23	100	31.75	M30	31	50	300	<b>850</b>	<2.5	<b>22.5</b>
<b>2 1345 0020</b>	MT3	40-250	2.5	20-23	100	31.75	M30	31	50	300	<b>1,500</b>	<2.5	<b>27.5</b>

Subject to technical change.

Performance data at an operating pressure of 140 bar.

## CORE DRILL UNIT

HYDRAULIC

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 masonry.



ORDER NO.	Speed(free)			Power	Volume flow	Hydraulic hose/ Quick coupling	Drill bit adapter	Vibration level	Weight
	1. Gear	2. Gear	3. Gear						
	rpm	rpm	rpm	kW	l/min			m/s <sup>2</sup>	kg
<b>2 1317 0030</b>	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 technical change.

Performance data at an operating pressure of 90 bar.

## DRILLS

HYDRAULIC

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



ORDER NO.	Tool holder	Speed (free)	Torque	Power	Volume flow	Hydraulic hose/ Quick coupling	Weight
		rpm	Nm	kW	l/min		kg
<b>2 3055 0010</b>	MT3	280	60	1.6	10-45	Flat-Star A250-OM/OF-1/2"BSP	8.5
<b>2 3060 0010*</b>	MT3	280	60	1.6	10-45	Flat-Star A250-OM/OF-1/2"BSP	8.5

Subject to technical change.

\*reversible

Performance data at an operating pressure of 90 bar.

## IMPACT WRENCHES

HYDRAULIC

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

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

<sup>1)</sup>adjustable



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/s <sup>2</sup>	kg
<b>6 1515 0010</b>	<b>3/4"</b>	1,700	M30	20-40	45	Flat-Star A250-OM/OF-1/2"BSP	3.8	7.3
<b>6 1514 0010</b>	<b>1"</b>	1,700	M30	20-40	45	Flat-Star A250-OM/OF-1/2"BSP	3.8	7.3

Subject to technical change.

Performance data at an operating pressure of 140 bar.

## IMPACT WRENCHES

HYDRAULIC

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

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

<sup>1)</sup>adjustable



ORDER NO.	HYDRAULIC (open circuit)		OPERATING PRESSURE		UNDERWATER OPERATION		Vibration level	Weight
	Square drive	Max. torque	For screws up to	Volume flow	Distance centre/ outer edge	Hydraulic hose/ Quick coupling		
		Nm	mm	l/min	mm		m/s <sup>2</sup>	kg
<b>6 1520 0010</b>	1"	2,500	M36	25-45	60	Flat-Star A250-OM/OF-1/2"BSP	6.75	10.7

Subject to technical change.

Performance data at an operating pressure of 140 bar.

## AXIAL GRINDERS

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)		OPERATING PRESSURE		UNDERWATER OPERATION		Vibration level	Weight
	Collet	Speed (free)	Power	Volume flow	Machine length	Hydraulic hose/ Quick coupling		
	mm	rpm	kW	l/min	mm		m/s <sup>2</sup>	kg
<b>1 5080 0010</b>	<b>6</b>	11,500	0.8	10-30	274.5	Flat-Star A250-OM/OF-1/2"BSP	<2.5	1.6
<b>1 5080 0020</b>	<b>1/4"</b>	11,500	0.8	10-30	274.5	Flat-Star A250-OM/OF-1/2"BSP	<2.5	1.6
<b>1 5080 0050</b>	<b>8</b>	11,500	0.8	10-30	274.5	Flat-Star A250-OM/OF-1/2"BSP	<2.5	1.6

Subject to technical change.

Performance data at an operating pressure of 90 bar.

## AXIAL GRINDER

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)		OPERATING PRESSURE		UNDERWATER OPERATION		Vibration level	Weight without guard
	Wheel dia.max.	Speed (free)	Power	Volume flow	Tool holder	Hydraulic hose/ Quick coupling		
	mm	rpm	kW	l/min	mm		m/s <sup>2</sup>	kg
<b>1 1580 0060</b>	200	7,000	1.8	18	dia.20/M12	Flat-Star A250-OM/OF-1/2"BSP	<2.5	8.3

Subject to technical change.

Performance data at an operating pressure of 90 bar.

## VERTICAL GRINDER

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)		OPERATING PRESSURE		UNDERWATER OPERATION		Vibration level	Weight
	Disc dia. max.	Speed (free)	Power	Volume flow	Tool holder	Hydraulic hose/ Quick coupling		
	mm	rpm	kW	l/min	mm		m/s <sup>2</sup>	kg
<b>1 2060 0010</b>	230	3,600	3.5	20-45	dia.22.2 / 5/8-11UNC	Flat-Star A250-OM/OF-1/2"BSP	3.0	5.8

Subject to technical change.

Performance data at an operating pressure of 90 bar.

# SYSTEM ACCESSORIES

## ANGLE GRINDER

HYDRAULIC

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



ORDER NO.	HYDRAULIC (open circuit)	Speed (free) rpm	OPERATING PRESSURE	90-140 Bar	UNDERWATER OPERATION	Hydraulic hose/ Quick coupling	Vibration level m/s <sup>2</sup>	Weight kg
	Disc dia. max. mm		Power kW	Volume flow l/min	Tool holder mm			
<b>1 1585 0010</b>	125	5,500	1.8	20	dia.22.2/M14	Flat-Star A250-OM/OF-1/2"BSP	<2.5	7.6

Subject to technical change.

Performance data at an operating pressure 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.)

### After underwater operation

- 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.

## ACCESSORIES

More accessories on request.

### GRINDING WHEELS AND MILLING CUTTERS



### SAW BLADES



### DRILLS



### CORE BITS



### DRILL RIGS



### SOCKETS, ADAPTERS, ...



### CLAMPS



### SERVICE UNITS



### HYDRAULIC SAFETY BLOCKS



### HYDRAULIC OIL



### HYDRAULIC POWER PACKS



### CARRYING CASES



0921E