SPITZNAS
CUSTOMIZED POWER SOLUTIONS








# CHAIN SAWS

PNEUMATIC

HYDRAULIC

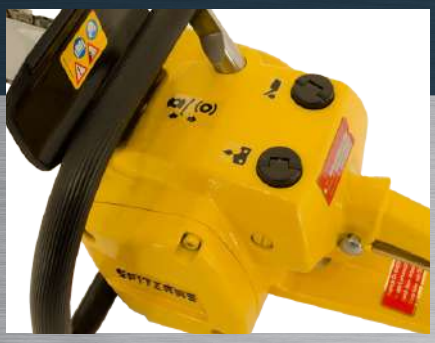
ATEX

CSI srl - Genova
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# SYSTEM CONCEPT




Chain bar with chisel chain



Chain brake



Handle with starting lock

ATEX-Safety class approved







Air and water connection



Chain tensioner



Motor oil and chain lubrication



## PNEUMATIC






The pneumatic chain saw for **ATEX Group I**, category M2 or **ATEX Group II**, category 2G.

* without cutting equipment

**PNEUMATIC** | **OPER. PRESSURE** 6 Bar | **ATEX**

| ORDER NO. | ATEX Specification | Power | Air consumption | Chain brake | Chain bar available | Chain pitch | Noise level LpA | Vibration level | Weight[1)] |
|---|---|---|---|---|---|---|---|---|---|
| | | kW | m³/min | | mm | inch | dB(A) | m/s² | kg |
| **5 1026 0010*** | II2GExhIIBT5Gb | 3.0 | 2.9 | yes | 270, 430, 630, 730, 1.030 | 0.404 | 102.6 | <2.5 | 8.5 |
| **5 1029 0010*** | IM2ExhIMbT5 | 3.0 | 2.9 | yes | 270, 430, 630, 730, 1.030 | 0.404 | 102.6 | <2.5 | 9.5 |

Subject to technical change. [1)]weight without chain bar and chain Performance data at an operating pressure of 6 bar.

## PNEUMATIC






The pneumatic chain saw with additional **water connection.**

* without cutting equipment

**PNEUMATIC** | **OPER. PRESSURE** 6 Bar | **ATEX**

| ORDER NO. | ATEX Specification | Power | Air consumption | Chain brake | Chain bar available | Chain pitch | Noise level LpA | Vibration level | Weight[1)] |
|---|---|---|---|---|---|---|---|---|---|
| | | kW | m³/min | | mm | inch | dB(A) | m/s² | kg |
| **5 1027 0010*** | II2GExhIIBT5Gb | 3.0 | 2.9 | yes | 270, 430, 630, 730, 1.030 | 0.404 | 102.6 | <2.5 | 8.5 |

Subject to technical change. [1)]weight without chain bar and chain Performance data at an operating pressure of 6 bar.

## PNEUMATIC






The pneumatic chain saw **for underwater operation** with additional air exhaust.

* without cutting equipment

**PNEUMATIC** | **OPER. PRESSURE** 6 Bar | **ATEX** | **UNDERWATER OPERATION**

| ORDER NO. | ATEX Specification | Power | Air consumption | Chain brake | Chain bar available | Chain pitch | Noise level LpA | Vibration level | Weight[1)] |
|---|---|---|---|---|---|---|---|---|---|
| | | kW | m³/min | | mm | inch | dB(A) | m/s² | kg |
| **5 1028 0010*** | II2GExhIIBT5Gb | 3.0 | 2.9 | yes | 270, 430, 630, 730, 1.030 | 0.404 | 102.6 | <2.5 | 8.5 |

Subject to technical change. [1)]weight without chain bar and chain Performance data at an operating pressure of 6 bar.

# SYSTEM CONCEPT




Chain bar with chisel chain

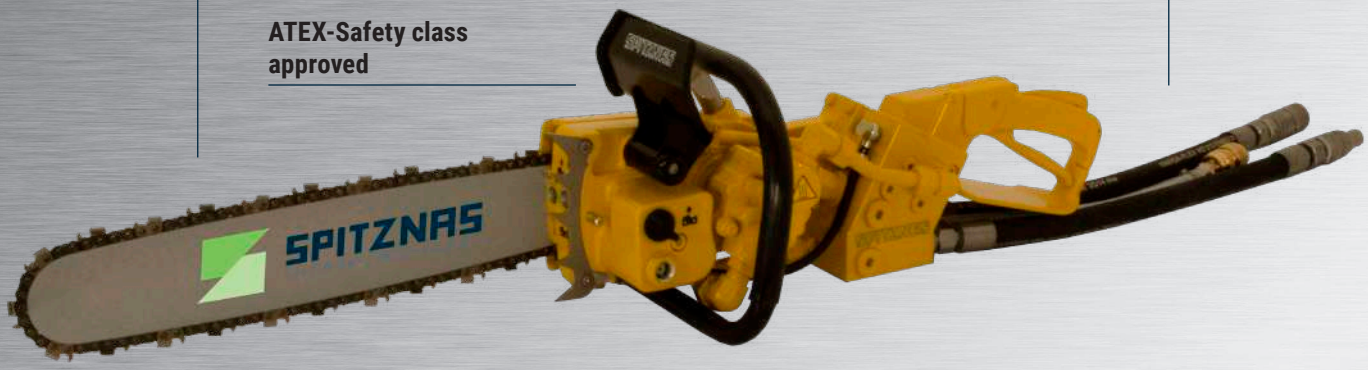


Chain brake



Handle with starting lock

ATEX-Safety class approved






Splash guard (optional)



Integrated pressure control valve



Water hose and hydraulic hose connection



## HYDRAULIC

**The hydraulic chain saw with chain brake** in compliance with appendix IV of Directive 2006/42/EC.




*without cutting equipment, including hydraulic hoses and water connection hose

HYDRAULIC | OPER. PRESSURE 140-200 bar | ATEX | UNDERWATER OPERATION

| ORDER NO. | ATEX Specification | Power | Volume flow | Chain brake | Chain bars available | Chain pitch | Noise level LpA | Vibration level | Weight[1)] |
|---|---|---|---|---|---|---|---|---|---|
| | | kW | l/min | | mm | inch | dB(A) | m/s² | kg |
| **5 1030 0010*** | II2GExhIIBT5Gb | 7.7 | 40-50 | yes | 270, 430, 630, 730, 1,030 | 0.404 | 86.8 | 3.6 | 10.5 |

Subject to technical change. [1)]weight without chain bar and chain Performance data at an operating pressure of 140 bar.

## SPLASH GUARD




| ORDER NO. | Description | For type |
|---|---|---|
| **5 1030 9100** | Splash guard | 5 1030 |

## CARRYING CASE

Water and dust resistant carrying case with two robust double-lightweight-rollers and expandable transport handle.

Application picture:





1) Carrying case with inlays



2) Carrying boxes



3) Plastic canister 2 liter



| ORDER NO. | Description |
|---|---|
| **5 1030 9000** | Carrying case complete with accessories |

Scope of delivery: 1) 1 x Carrying case with inserts, 2) 4 x carrying boxes, 3) 1 x plastic canister 2 liter

# SYSTEM ACCESSORIES

Application area:
●○○○ - good ●●○○ - better
●●●○ - very good ●●●● - excellent

## CHISEL CHAINS



The chisel chain for use on wood, plastic or GRP (without sand mixture).

| ORDER NO. | Description | Chain pitch [inch] | Chain [pieces] | Drive link size [mm] | Chain bar length usable [mm] | Application area | | | For type |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Wood | Plastic | GRP (without sand mixture) | |
| **5 1007 9960** | Chisel chain | 0.404 | 46 | 1.6 | 270 | ●●●○ | ●●●○ | ●●○○ | 5 1026 up to 5 1030 |
| **5 1026 9930** | Chisel chain | 0.404 | 62 | 1.6 | 430 | ●●●○ | ●●●○ | ●●○○ | |
| **5 1007 9940** | Chisel chain | 0.404 | 80 | 1.6 | 630 | ●●●○ | ●●●○ | ●●○○ | |
| **5 1007 9970** | Chisel chain | 0.404 | 93 | 1.6 | 730 | ●●●○ | ●●●○ | ●●○○ | |
| **5 1007 9990** | Chisel chain | 0.404 | 122 | 1.6 | 1,030 | ●●●○ | ●●●○ | ●●○○ | 5 1030 |

## CHISEL CHAINS CARBIDE-TIPPED



The chisel chain carbide-tipped for use on wood, plastic or GRP (without sand mixture) and increased service life.

| ORDER NO. | Description | Chain pitch [inch] | Chain [pieces] | Drive link size [mm] | Chain bar length usable [mm] | Application area | | | For type |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Wood | Plastic | GRP (without sand mixture) | |
| **5 1021 9960** | Chisel chain carbide-tipped | 0.404 | 46 | 1.6 | 270 | ●●●● | ●●●● | ●●●○ | 5 1026 up to 5 1030 |
| **5 1026 9950** | Chisel chain carbide-tipped | 0.404 | 62 | 1.6 | 430 | ●●●● | ●●●● | ●●●○ | |
| **5 1021 9940** | Chisel chain carbide-tipped | 0.404 | 80 | 1.6 | 630 | ●●●● | ●●●● | ●●●○ | |
| **5 1005 9970** | Chisel chain carbide-tipped | 0.404 | 93 | 1.6 | 730 | ●●●● | ●●●● | ●●●○ | |
| **5 1005 9990** | Chisel chain carbide-tipped | 0.404 | 122 | 1.6 | 1,030 | ●●●● | ●●●● | ●●●○ | 5 1030 |

## DIAMOND-TIPPED CHAINS



The diamond saw chains for use on stone, concrete, cast iron and high-density polyethylene, can only be used for hydraulic chain saw type 5 1030 0010.

| ORDER NO. | Description | Chain pitch [inch] | Bar length usable [mm] | Application area | | | | | For type |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Soft Natural stone | Medium-hard concrete/light reinforcement | Hard concrete/ heavy reinforcement | Ductile cast iron/ cast iron asbestos/ clay pipes/PVC | High density polyethylene (HDPE) | |
| **5 1030 9510** | Sägekette (Universal) | 0,444 | 430 | ●●○○ | ●●●○ | ●○○○ | | | 5 1030 |
| **5 1030 9520** | Sägekette (Premium L) | 0,444 | 430 | ●○○○ | ●●○○ | ●●●○ | | | |
| **5 1030 9530** | Sägekette (Premium S) | 0,444 | 430 | ●○○○ | ●●○○ | ●●●○ | | | |
| **5 1030 9710** | Sägekette (Power Grit) | 3/8" | 430 | | | | ●●●○ | | |
| **5 1030 9720** | Sägekette (Universal) | 3/8" | 430 | | | | ●●●● | ●●●○ | |

Please remember the required sprocket.

## CHAIN BARS




| ORDER NO. | Description | Used for | Groove width [mm] | Bar length usable [mm] | For type |
|---|---|---|---|---|---|
| **5 1005 7160** | Chain bar | Chisel chain/carbide tipped | 1.6 | 270 | 5 1026 up to 5 1030 |
| **5 1005 7120** | Chain bar | Chisel chain/carbide tipped | 1.6 | 430 | |
| **5 1005 7140** | Chain bar | Chisel chain/carbide tipped | 1.6 | 630 | |
| **5 1005 7170** | Chain bar | Chisel chain/carbide tipped | 1.6 | 730 | |
| **5 1005 7190** | Chain bar | Chisel chain/carbide tipped | 1.6 | 1030 | 5 1030 |

## CHAIN PROTECTIONS




## CHAIN WHEEL FOR DIAMOND-TIPPED CHAINS



| ORDER NO. | Description | Chain speed [m/s] | For type |
|---|---|---|---|
| **5 1030 7500** | Chain wheel complete, 0,444-8 teeth | 13.2 | 5 1030 |
| **5 1030 7600** | Chain wheel complete, 3/8"-11 teeth | 16.2 | |

## CHAIN WHEEL FOR CHISEL CHAINS



| ORDER NO. | Description | Chain speed [m/s] | For type |
|---|---|---|---|
| **5 1030 7970** | Chain wheel complete, 3/8"-8 teeth | 13.2 | 5 1030 |
| **5 1030 7980** | Chain wheel complete, 3/8"-11 teeth | 16.2 | |
| **5 1030 7950** | Chain wheel complete, 0,404-8 teeth | 13.2 | |
| **5 1030 7960** | Chain wheel complete, 0,404-10 teeth | 16.2 | |
| **5 1026 7970** | Chain wheel complete, 0,404-8 teeth | 21.0 | 5 1026-29 |
| **5 1026 7200** | Chain wheel complete, 0,404-10 teeth | 31.0 | |

## CLAMP FOR PIPES

Clamp for pipes for rectangular cuts up to dia. 450 mm (extendable up to dia. 700 mm).
Needed chain bar length = outer pipe diameter + 150 mm.

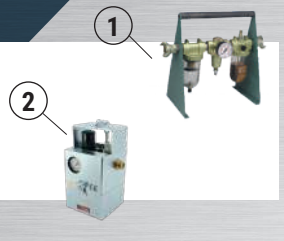



| ORDER NO. | Description | For pipes up to dia. [mm] | For type |
|---|---|---|---|
| **5 1027 9100** | Clamp for pipes | 450 | 5 1026 up to 5 1029 |
| **5 1030 9300** | Clamp for pipes | 450 | 5 1030 |

# SYSTEM ACCESSORIES

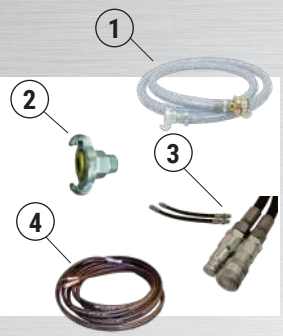
## SERVICE UNITS

| ORDER NO. | Pos. | Description |
|---|---|---|
| **9 2406 0260** | 1 | Portable service unit with pressure regulator 3/4“ |
| **9 2406 0650** | 2 | Portable service unit with protection housing and pressure regulator 3/4“ |




## HOSES AND MORE

| ORDER NO. | Pos. | Description |
|---|---|---|
| **9 3610 0430** | 1 | Pneumatic pressure hose ID 19 mm, 2.5 m length, with screw-on claw coupling |
| **9 2102 0020** | 2 | Claw coupling, metal sealing, 3/4” ID |
| **5 1030 9200** | 3 | Hydraulic hose set for type 5 1030 |
| **9 3601 0410** | 4 | Hydraulic double hose set, 1/2”, 10 m length, with Flatstar size 2 couplings |




## HYDRAULIC POWER PACK UNIT

| ORDER NO. | Description |
|---|---|
| **9 9915 0010** | Hydraulic Power Pack Unit, 20-30-40 l/min, 140 bar, electric drive 3x400V/35A/50Hz |



## MISC. ACCESSORIES

| ORDER NO. | Pos. | Description |
|---|---|---|
| **9 9902 0120** | 1 | Multi oil for cleaning and protection |
| **5 8002 9100** | 2 | Water tank complete, 10 liter |

**More accessories on request.**







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