

Impact Wrenches, Rock Drill, Chain Saw

ATEX

Explosive Environment Air Tools

Impact Wrenches – Model SMP 026-1/2" ZEX, SMP 068-3/4" ZEX, SMP 140-3/4" XEX, SMS 210-1" XEX

Rock Drill – Model DP 220-011 BXOEX

Chain Saw – Model SH 150-180BX

Impact Wrenches

- ATEX
- High power output
- Safe operation
- Easy control
- Simple to operate and maintain



Pistol Grip / Lever Start
Torque Capability 260 - 2100 Nm
For screws M 10 - M 36

CE IM2c X II 2 GD c II C T6 (80°C) X

UNIVERSAL APPLICATIONS

This air-operated impact wrench (Air-Wrench in short) model no. **SMP/SMS**, is used for any manual tightening and loosening of screws, nuts and bolts. This tool confirms to the relevant regulation and standards of the Machine Guidelines, Version 98/37/EC, 94/9/EC (ATEX) and the Federal Regulation of the Czech Republic.

UNIVERSAL APPLICATIONS

The air - drills of the model no. **DP 220-011 BXOEX** are well-suited for the manual drillings in accordance with the guidelines (Czech technical governmental standard) SN 22 1930, SN 22 1931 and SN 22 1960, when equipped with core drill-inserts (optional equipment). The drills can be used for drillings into soft- and semi-solid coal, shale or other soft rocks. The maximum drill-insert diameter is 42 mm (we recommend drill bits measuring between 38 mm to 42 mm). To reduce the formation of dust during fabrication, the drill is equipped with an integrated central water-cooling feature.

CE IM2c X II 2 GD c II C T6 (80°C) X

Speed (no load): **1 100 min⁻¹** Max. power output: **2,2 kW**

For the manual drilling with drill-bit, which is equipped with a drill-crown.



Rock Drill
Model DP 220-011 BXOEX

UNIVERSAL APPLICATIONS

The air chainsaw model no. **SH 150-180BX** is solely used for the cutting of wood. It is not to be used in the forestry for the felling of trees or the removal of branches. They are only to be used in accordance with the stated suitability per the supplied technical documentation and instructions per the attached serial number tag.

Advantages:

- High power output + high cutting speed = short working time
- The machine construction is fully made from metal.
There is no ignition danger through contact of the light-metal with corrosive steel surfaces.
- Automatic chain brake
- Automatic chain lubrication

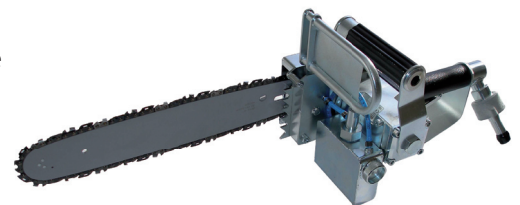
Speed (no load): **18 000 min⁻¹**

Max. power output: **1,5 kW**

Max. length of chain bar **350 mm**

Max. cutting diameter - **340 mm (one side) / 690 mm (both sides)**

Automatic chain lubrication



Air Chain
Model SH 150-180BX

CE IM2c X II 2 G c II B T4 (130°C) X

Max. air pressure for Ex-area:

Max air pressure for NON EX-area:

Ambient temperature for standard operation:

Ambient temperature in the EX-area:

4 bar

6,3 bar

-20°C to +60°C

-20°C to +40°C

Impact Wrenches

Due to its construction, this tool fulfills the guidelines of the European Parliament and Rates 98/37/EC, 94/9EC (ATEX) and the Federal Regulation of the Czech Republic No. 24/2003 Sb. in validity. This tool is constructed for the Tool Group I (Mining) Category M2 and Tool Group II (Above Ground Operations) Category 2 GD according to the guidelines of the European Parliament and Rates 98/37/EC, 94/9/EC (ATEX) and Federal Regulation of the Czech Republic No. 23/2003 Sb. in validity. It corresponds to the requirements of the Norm EN 13463-1, 13463-5 and fulfills the requirements for the usage in areas with „dangerous atmospheric conditions 2“ according to Norm EN 1127-2 with a limit of 1,5% CH4 and “Zone 1” according to EN 1127-1.

Rock Drill

This tool fulfills die constructive requirements, which are determined by the guidelines of the European Parliaments and Rates 98/37/EC, 94/9EC (ATEX) and the Czech government’s validated ordinance No. 24/2003 Sb. and No. 23/2003 Sb. This tool is designed for the tool-group I (mining) category M2 and tool-group II (aboveground mining) category 2 GD, in accordance with the requirements of the European parliament and Rates 98/37/EC, 94/9/EC (ATEX) and the Czech government’s validated ordinance No. 23/2003 Sb. and Nr. 24/2003 Sb. This tool corresponds with the requirements of the “atmospheric hazardous areas 2” according to the Norm EN 1127-2 with limitation to 1,5% CH4 and “Zone 1” according to the Norm EN 1127-1.

Chain Saw

This tool fulfills die constructive requirements, which are determined by the guidelines of the European Parliaments and Standards 2006/42/EC, 94/9EC (ATEX) and the Czech government’s validated ordinance No. 23/2003 Sb. in validity. This tool is designed for the tool-group I (mining) category M2 and tool-group II (aboveground mining) category 2 GD, in accordance with the requirements of the European parliament and Rates 94/9/EC (ATEX) and the Czech government’s validated ordinance No. 23/2003 Sb. This tool corresponds with the requirements of the “atmospheric hazardous areas 2” according to the Norm EN 1127-2 with limitation to 1,5% CH4 and “Zone 1” according to the Norm EN 1127-1.

Impact Wrenches / Rock Drill

Safety and Warning Symbols

CE  IM2c X II 2 GD c II C T6 (80°C) X

CE Communauté Européenne = European Community CE sign is a declaration of the manufacturer that the EC-guidelines of the EC-Conformity Declaration have been observed and fulfilled.

 DEPRAG – Air-Wrenches are suited for the designated use in explosivehazardous environments.

IM2 Tool Group: Tools of this category are allowed to be used in underground operations, such as in mines and also in above-ground operations where methane or flammable dust may occur. If an explosive atmosphere occurs, turn the air-wrench off.

II 2 Tool Group: Tools of this category are allowed to be used in operations, where explosive atmospheres occur, such as gases, steam, mists containing flammable liquids or dust/air combinations. (Zone 1 and Zone 21)

G This tool is suited for the use in explosive-hazardous environments, which include flammable gases, steam or mist.

D This tool is suited for the use in explosive-hazardous environments, which include explosive dust/air combinations.

c Ignition protection: constructive protection „c“.

IIC Explosion group: This tool is suited for all the requirements per Explosion Group IIC. This also includes the requirements for the explosion groups IIB and IIA.

T6 Temperature Class: T6 = 85°C surface temperature for tools of the Group II category 2 A tool of the temperature class T6 may in no case exceed the maximum allowable temperature of 85°C. There is a safety margin of 5 °K. The tool itself may not have a tested temperature of more than 80°C.

X Attention special Conditions Marked in the Operating Instruction Booklet by the symbol.

Chain Saw

Safety and Warning Symbols

CE  IM2c X II 2 G c II B T4 (130°C) X

CE Communauté Européenne = European Community CE sign is a declaration of the manufacturer that the EC-guidelines of the EC-Conformity Declaration have been observed and fulfilled.

 DEPRAG – Chain Saw is suited for the designated use in explosivehazardous environments.

IM2 Tool Group: tools of this category are suited for the use in below-ground- and above-ground mining, where methane-gas or flammable dust may occur. If an explosive atmosphere occurs, turn this tool off.

II 2 Tool Group: tools of this category are suited for the use in explosion hazardous areas, which are caused by combustible gases, steams, fumes or dust or any combination thereof. (zones 1 and 2)

G This tool is suited for the use in explosion-hazardous areas, which are caused by flammable gases, steam or dust.

c Ignition protection: structural protection “c”

IIB Explosion Group: This tool may be used for applications per Explosion Group IIB. It also fulfills the requirements of the Explosion Group IIA.

T4 Temperature Class: T4 = 135°C surface temperature for tools of the Group II category 2. A tool with the temperature class T4 may not exceed a maximum surface temperature of 135°C; there is a safety margin of 5°C. Therefore, the operating temperature of the chain saw should not exceed 130°C.

X Attention special Conditions Marked in the Operating Instruction Booklet by the symbol.

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