

**Circular Letter No. 1 dated January 20th, 2015**

**Address:** All International Offices  
**Pages:** 3

**SUBJECT:** **NEW PRODUCTS**

*Dear DEPRAG INDUSTRIAL Associate,*

we would like to inform you about new products that were added to our product line. Technical information with pictures, as well as a PDF-catalog can be found on our web-site [www.deprag.cz](http://www.deprag.cz).

Content:

- **Air Impact Wrenches for Use in Potentially Explosive Environments, fully ATEX-compliant**  
– Model SMP 085-1/2”ZEX, SMP 110-3/4”ZEX, SMP 110-1”ZEX, SMS 265-1”ZEX

**Air Impact Wrenches**

**for Use in Potentially Explosive Environments, ATEX-compliant**

**Model SMP 085-1/2”ZAEX, SMP 110-3/4”ZAEX, SMP 110-1”ZAEX, SMS 265-1”ZAEX**

**For Screws M10 - M45**

**Max. torque capability 850 - 2650 Nm**

We are proud to introduce our new air impact wrenches model SMP 085-1/2”ZAEX, SMP 110-3/4”ZAEX, SMP 110-1”ZAEX, SMS 265-1”ZAEX – in Inline- and Pistol-Grip design with ATEX certification.

These tools are well-suited for the effective tightening of fasteners in potentially explosive environments, which demand high performance, utmost reliability and an extreme operational efficiency. Compared to our impact tools without ATEX-certification, the only change to the technical data is the tool’s weight (non-sparkling, zinc-alloy housing).

Model	Part Number
SMP 085-1/2”ZAEX	6061149C
SMP 110-3/4”ZAEX	6061210B
SMP 110-1”ZAEX	6061210D
SMS 265-1”ZAEX	6061222B

**Description:**

Our new impact tools are designed to allow a fast, but low torque-reaction tightening of fasteners sizes M10 to M45. The design assures that the operation is fatigue-free, no matter if a fastener is tightened or loosened. Our impact tools have been designed to operate in potentially explosive environments (oil-refining industry, mining industry, production, manufacturing industry etc.). These new tools are economical, efficient and easy for an operator to use.

**Application Areas:**

- Underground mines, open-cast mining
- Oil refinery industry
- Gas pipeline, oil pipeline
- Chemical industry



## **Advantages:**

- **For Use in Potentially Explosive Environments.**

**ATEX-conformity code (IM2cXII2GDcIIBT5(100°C)X).**

- **High power output**

Twin-Hammer impact mechanism - revolutionary motor design: The special design of the air impact wrenches allows high speeds at simultaneously high torques. These air tools are designed to reduce your production efforts by greatly reducing cycle times.

- **3-step torque adjustment**

Our DEPRAG INDUSTRIAL impact tools are equipped with a 3-step power limiter. During power regulation the air pressure is limited resulting in lower air consumption + increased economical operation.

***3-step torque adjustment:** The 3-level power limiter functions as follows: the first setting is the max. torque, the second setting reduces the torque to 50% and the third setting corresponds to 30% of the max. torque.*

- **Robust, highly durable**

The special robust construction of our impact tools assures a high longevity and a reliable operation in industrial application areas requiring 24/7 operations.

- **Simple operation**

Ergonomic handling and simple operation for different applications and different tightening processes are fulfilled by the great effectiveness of these tools. The required torque is selected by the size of the impact tool and the number of impacts. The new grip was made to assure a balanced handling, which guarantees a fatigue-free operation. The reverse slide is simple to operate and easy to reach.

## **Specifications:**

### **Impact Tools – Pistol-Grip Design**

<b>Model</b>	<b>SMP 085 – ½”ZAEX</b>
<b>Part No</b>	<b>6061149C</b>
For screw sizes (mm)	M12 –M22
Max. torque capability (Nm)	850
Working torque range (Nm)	200 - 650
Speed, unloaded (min <sup>-1</sup> )	9.900±10%
Impacts per minute (Hz)	23
Air consumption under load (m <sup>3</sup> /min)	0,8±10% (28.25 cfm)
Spindle – male square DIN 3121 (mm)	12,7; (1/2“)
I.D. of air inlet hose (mm)	10 (3/8 in)
Weight (kg)	3,45 (7.61 lbs)
Sound pressure level LpA according to EN ISO 15744 (dB(A))	96,3 ) <sup>1</sup>
Sound power level LwA according to EN ISO 15744 (dB(A))	107,3 ) <sup>1</sup>
Vibrations according to EN ISO 28927-2 (m/s <sup>2</sup> )	8,5 ) <sup>2</sup> ) <sup>3</sup>

<sup>1</sup> Measurement deviation 3 dB

<sup>2</sup> Measurement deviation 1,3 (m/s<sup>2</sup>)

<sup>3</sup> Values based on EN 12096

Specifications at 90 psi (6.3 bar)

Model	SMP 110 – ¾”ZAEX	SMP 110 – 1”ZAEX
Part No	6061210B	6061210D
For screw sizes (mm)	M10 - M30	
Max. torque capability (Nm)	1100	
Working torque range (Nm)	150 - 920	
Speed, unloaded (min <sup>-1</sup> )	6.000±10%	
Impacts per minute (Hz)	15	
Air consumption under load (m <sup>3</sup> /min)	1,1±10% (38.84 cfm)	
Spindle – male square DIN 3121 (mm)	19; (¾”)	25,4; (1”)
I.D. of air inlet hose (mm)	10 (.39 in)	
Weight (kg)	6,6 (14.55 lbs)	6,7 (14.77 lbs)
Sound pressure level LpA according to EN ISO 15744 (dB(A))	95,6 ) <sup>1</sup>	
Sound power level LwA according to EN ISO 15744 (dB(A))	106,6 ) <sup>1</sup>	
Vibrations according to EN ISO 28927-2 (m/s <sup>2</sup> )	10,2 ) <sup>2</sup> ) <sup>3</sup>	

<sup>1</sup> Measurement deviation 3 dB

<sup>2</sup> Measurement deviation 1,3 (m/s<sup>2</sup>)

<sup>3</sup> Values based on EN 12096

Specifications at 90 psi (6.3 bar)

### Impact Tool – Inline Design

Model	SMS 265 – 1”ZAEX
Part No	6061222B
For screws sizes (mm)	M24 - M45
Max. torque capability (Nm)	2650
Working torque range (Nm)	1200 – 2500
Speed, unloaded (min <sup>-1</sup> )	6.000±10%
Impacts per minute (Hz)	13
Air consumption under load (m <sup>3</sup> /min)	1,3±10%
Spindle – male square DIN 3121 (mm)	25,4; (1”)
I.D. of air inlet hose (mm)	16 (.63 in)
Weight (kg)	15,2 (33.51 lbs)
Sound pressure level LpA according to EN ISO 15744 (dB(A))	92,7 ) <sup>1</sup>
Sound power level LwA according to EN ISO 15744 (dB(A))	103,7 ) <sup>1</sup>
Vibrations according to EN ISO 28927-2 (m/s <sup>2</sup> )	14,5 ) <sup>2</sup> ) <sup>3</sup>

<sup>1</sup> Measurement deviation 3 dB

<sup>2</sup> Measurement deviation 1,3 (m/s<sup>2</sup>)

<sup>3</sup> Values based on EN 12096

Specifications at 90 psi (6.3 bar)



SMP 085-1/2”ZAEX



SMP 110-3/4”ZAEX / SMP 110-1”ZAEX



SMS 265-1”ZAEX

The impact wrenches are not off-the-shelf DEPRAG INDUSTRIAL products, they are made to order.  
Official date of sale: February 1<sup>st</sup>, 2015.