# ErgoPulse impulse tools – fast, reliable and operator friendly

*The speed, reliability, and accuracy of ErgoPulse hydraulic impulse nutrunners, combined with the fact that they are comfortable to operate, make them suitable for continuous heavy production. Since there is no metal-to-metal impact in a pulse tool, it provides a softer, more controlled pulse with considerably less vibration and noise than an impact wrench.*

### *A COMPLETE RANGE*

ErgoPulse impulse tools are available in straight and pistol grip, shut-off and non shut-off, as well as high- and low pressure versions. The range covers torque from 2–450 Nm.

The ErgoPulse principle – The heart of a pulse tool is the hydraulic pulse unit. Since the pulses are very short, there is almost no reaction force in the handle, only the much lower motor torque is transferred to the operator's hand. In addition, there are less vibrations and noise than with an impact wrench. Combined with good balance and low weight the result is a tool that is very comfortable to operate.

Atlas Copco offer both shut-off and non shut-off tools. The shut-off pulse tools shut off the air supply when the preset torque is been reached. Operator influence is minimized and the result is increased accuracy and faster tightening. The torque is "sensed" by means of a rotatable inertial mass acting against an adjustable spring. The result is a highly accurate and easily adjustable shut-off system. Non shut-off tools are operator dependent and preferred when the goal is to have a process controlled by the operator.

### *ERGOPULSE PTI TOOLS*

Our newest addition in the ErgoPulse shut-off tool range is the PTI. With the redesigned pulse unit technology DuraPulse® up-time of the tool is increased up to five times. It also offers the highest accuracy of all ErgoPulse tools as it's equipped with a more fine tuned shut-off mechanism. There is no need to choose between Trim and Autotrim funtion; the Multitrim function enables the use of both in the same tool, thus reducing meanshift on different types of joints.

With growing demands of increased production rate, the new TorqueBoost® technology creates faster torque build up to reduce time per production unit. As per Atlas Copco standard, this tool is well balanced and created with superior ergonomics for maximum operator comfort in mind. The handle is deigned for conventional use, and for use upside down. Available in a torque range from 8–150 Nm (6–110 ft lb) and in both high - and low pressure versions, the ErgoPulse PTI fills the needs of most applications requiring a pulse tool.

### *ERGOPULSE PTS AND PTX TOOLS*

Pulse mechanism – The pulse mechanism of the shut-off tools (including PTI) has pistons for minimum weight and long service life. The design is based on cam-guided pistons and rollers and the pulse cylinder is oil-filled. The moving parts are thus completely immersed in oil, which ensures a long service life.

Twin chamber vane motor – This is designed to give high torque at low speed, which gives the best characteristics for fast, accurate tightening.

TRIM valve – A patented adjustable valve at the air outlet is used to maximize tool accuracy on one type of joint, which could be hard, medium or soft.

AUTOTRIM valve – PTS/PTX-AT tools are equipped with an automatic two-stage trim valve. The tool runs down the screw with reduced free speed. After 1-2 pulses it shifts automatically to full power thus enabling both hard and soft joints to be tightened with excellent results without any adjustments.

The tools are available in both Trim and AutoTrim versions.

### *ERGOPULSE XS TOOLS*

The XS non shut-off tool is the correct choice when the operator needs to control the process. The tools provide high torque, fast, accurate tightening and long service lifetimes.

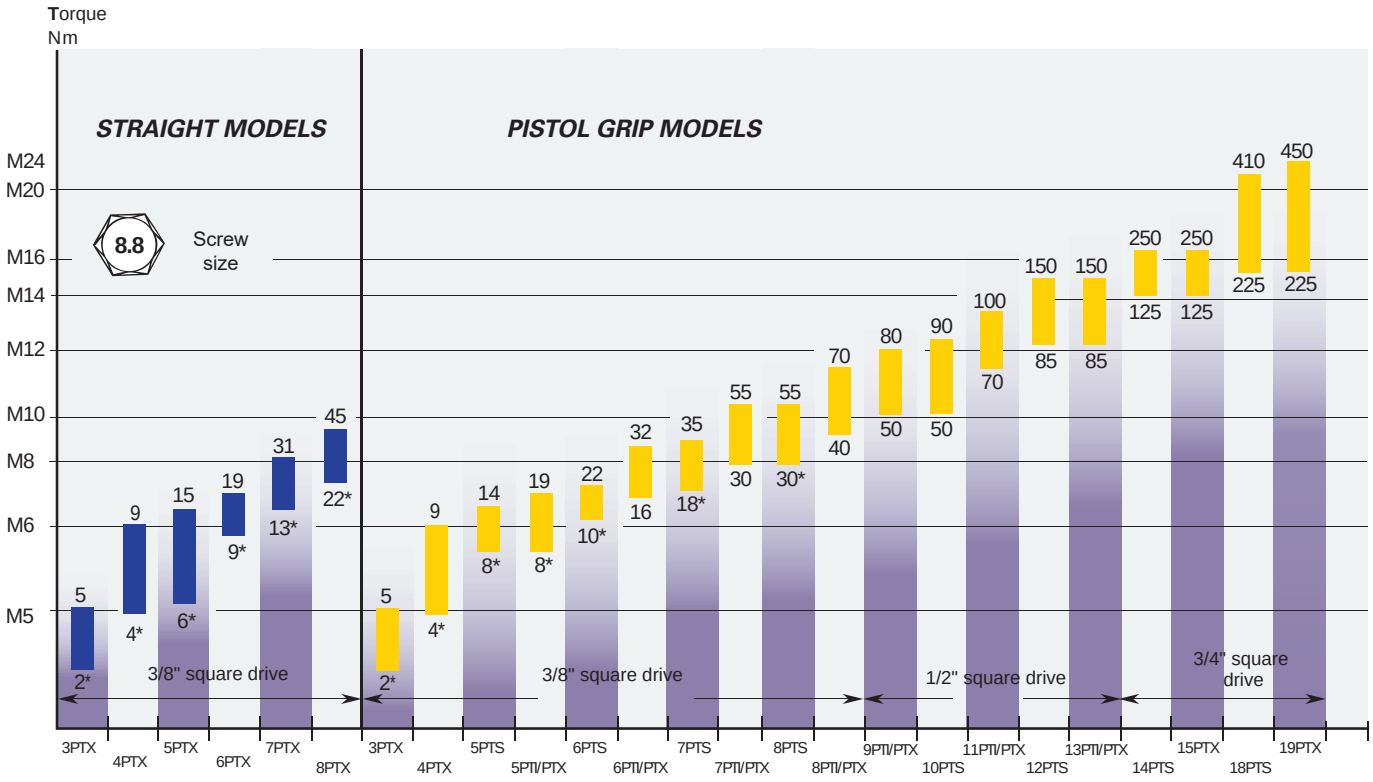
Twin chamber vane motor – This is designed to give high torque at low speed, which provides the best characteristics for fast, reliable and accurate tightening.

Double or triple bladed pulse mechanisms – The tools are equipped with pulse units with two or three blades. They employ the Atlas Copco patented cam-guided design to push out the blades, giving very high reliability. The pulse units have a high power-to-weight ratio, making the tools very powerful for their size. Torque is adjusted by regulating an artificial leak in the hydraulic circuit.

# Selection Guide

### *EP PTI/PTS/PTX SHUT-OFF MODELS*

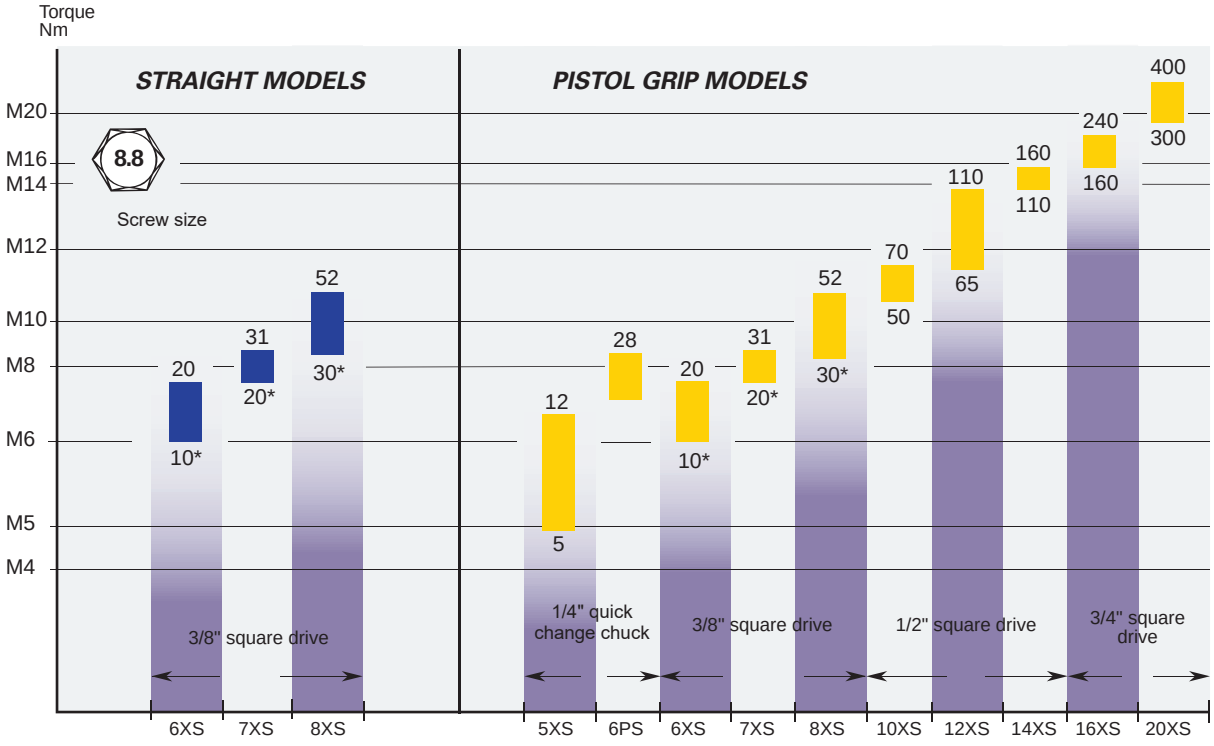
The ErgoPulse PTI, PTS and PTX tools can be adjusted within a wide torque range by simply setting the spring force that counteracts the inertia body. Torque should preferably be checked with a hand torque wrench. Electronic monitoring with an in-line transducer is possible but should be verified with a manual hand torque wrench to avoid measuring errors due to the extremely short pulse sequence.




* *For tools with quick change chuck, see technical data.*

### *EP XS/PS NON SHUT-OFF MODELS*

The size of tool is determined on the basis of torque and/or bolt dimension. Torque should preferably be checked with a hand torque wrench. Electronic monitoring with an in-line transducer is possible but should be verified with a manual hand torque wrench to avoid measuring errors due to the extremely short pulse sequence.




* *For tools with quick change chuck, see technical data.*

### *EP PTI MODELS*

The unique design of the ErgoPulse PTI shut-off hydraulic impulse tools brings pulse tool performance up to a level never experienced before.

PTI is our new generation of pulse tools offering superior uptime, ergonomics and productivity.

- TorqueBoost® for faster tightenings.
- MultiTrim® function integrated in tool.
- DuraPulse® technology allows for up to 5 times longer use before maintenance is required.
- Separate RE-port integrated in all tool models.
- High level of durability.
- Well balanced with superior ergonomics.
- New handle shape enabling tool use upside down.
- High speed, short cycle times.
- High power-to-weight ratio.
- No reaction forces.
- Low noise levels.
- Lubrication free.

**EP8PTI HR13-MT**



| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed [b] r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **High pressure models** [c] | | | | | | | | | | | | | | |
| EP5PTI19 HR10-MT | M6 | 3/8 | 8-19 | 6-14 | 7300 | 0.9 | 2 | 168 | 23 | 6.5 | 14 | 8 | 1/4 | 8431 0381 30 |
| EP6PTI32 HR10-MT | M6-M8 | 3/8 | 16-32 | 12-23 | 8700 | 0.9 | 2 | 168 | 23 | 6 | 13 | 8 | 1/4 | 8431 0381 40 |
| EP7PTI55 HR10-MT | M8-M10 | 3/8 | 30-55 | 22-40 | 6500 | 1.2 | 2.5 | 179 | 27 | 10 | 21 | 10 | 1/4 | 8431 0381 50 |
| EP8PTI70 HR10-MT | M10 | 3/8 | 40-70 | 29-51 | 6500 | 1.3 | 2.8 | 179 | 27 | 10 | 21 | 10 | 1/4 | 8431 0381 55 |
| EP9PTI80 HR13-MT | M10 | 1/2 | 50-80 | 37-59 | 5200 | 1.5 | 3.3 | 191 | 31 | 13 | 28 | 10 | 1/4 | 8431 0381 60 |
| EP11PTI100 HR13-MT | M12 | 1/2 | 70-100 | 52-74 | 4200 | 1.7 | 3.7 | 201 | 31 | 14 | 30 | 10 | 1/4 | 8431 0381 65 |
| EP13PTI150 HR13-MT | M12-M14 | 1/2 | 85-150 | 63-110 | 4500 | 2.3 | 5 | 201 | 36 | 15 | 32 | 13 | 3/8 | 8431 0381 70 |
| **Low pressure models** [d] | | | | | | | | | | | | | | |
| EP5PTI15 HR10-MT-L | M5 | 3/8 | 7-15 | 5-11 | 6900 | 0.9 | 2 | 168 | 23 | 6.3 | 13 | 8 | 1/4 | 8431 0382 30 |
| EP6PTI25 HR10-MT-L | M6 | 3/8 | 13-25 | 9-18 | 7400 | 0.9 | 2 | 168 | 23 | 6 | 13 | 8 | 1/4 | 8431 0382 40 |
| EP7PTI35 HR10-MT-L | M6 | 3/8 | 23-35 | 17-26 | 5600 | 1.2 | 2.5 | 179 | 27 | 9 | 19 | 10 | 1/4 | 8431 0382 50 |
| EP8PTI45 HR10-MT-L | M6-M8 | 3/8 | 33-45 | 24-33 | 5700 | 1.3 | 2.8 | 179 | 27 | 8 | 17 | 10 | 1/4 | 8431 0382 55 |
| EP9PTI65 HR13-MT-L | M10 | 1/2 | 43-65 | 32-48 | 4500 | 1.5 | 3.3 | 191 | 31 | 9.5 | 20 | 10 | 1/4 | 8431 0382 60 |
| EP11PTI80 HR13-MT-L | M10-M12 | 1/2 | 50-80 | 37-59 | 3600 | 1.7 | 3.7 | 201 | 31 | 13 | 28 | 10 | 1/4 | 8431 0382 65 |
| EP13PTI110 HR13-MT-L | M12-M14 | 1/2 | 63-110 | 46-81 | 3600 | 2.3 | 5 | 201 | 36 | 16 | 34 | 13 | 3/8 | 8431 0382 70 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.
[b] In full speed mode.
[c] Air pressure 6.3 bar / 91 psi.
[d] Air pressure 4 bar / 58 psi.

**NOTE:** Protective cover is included for every tool.

### *EP PTX MODELS*

In ErgoPulse shut-off tools the air supply is shut off as soon as the pre-set torque has been reached, minimizing operator influence. The result is increased accuracy and faster tightening.

- High reliability.
- Consistent torque over time, low mean-shift.
- High level of durability.
- High speed, short cycle times.
- One-handed operation.
- High power-to-weight ratio.
- No springs to wear out.
- No wear on key parts.
- No reaction forces.
- Light, well-balanced tools.
- Low noise levels.
- Lubrication free.




| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIM-RE** | | | | | | | | | | | | | | |
| EP3PTX5 HR42-RE | M4-M5 | 1/4 [b] | 2-5 | 1.6-4 | 5000 [c] | 0.8 | 1.7 | 154 | 21 | 4 | 9 | 8 | 1/4 | 8431 0375 51 |
| EP4PTX9 HR10-RE | M5 | 3/8 | 4-9 | 3-7 | 3400 [c] | 0.9 | 1.9 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0375 54 |
| EP4PTX9 HR42-RE | M5 | 1/4 [b] | 4-9 | 3-7 | 3400 [c] | 0.9 | 1.9 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0375 50 |
| EP5PTX17 HR42-RE | M6 | 1/4 [b] | 7-17 | 5-13 | 7000 [c] | 0.9 | 1.9 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 00 |
| EP5PTX19 HR10-RE | M6 | 3/8 | 8-19 | 6-14 | 7000 [c] | 0.9 | 1.9 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 04 |
| EP6PTX28 HR42-RE | M6-M8 | 1/4 [b] | 15-28 | 11-18 | 8500 [c] | 0.9 | 1.9 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 10 |
| EP6PTX32 HR10-RE | M6-M8 | 3/8 | 16-32 | 12-23 | 8500 [c] | 0.9 | 1.9 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 20 |
| EP7PTX55 HR10-RE | M8-M10 | 3/8 | 30-55 | 22-40 | 7200 [c] | 1.2 | 2.5 | 176 | 25 | 9 | 19 | 10 | 1/4 | 8431 0375 30 |
| EP8PTX70 HR10-RE | M10 | 3/8 | 40-70 | 29-51 | 6900 [c] | 1.2 | 2.5 | 176 | 25 | 9 | 19 | 10 | 1/4 | 8431 0375 60 |
| EP9PTX80 HR13-RE | M10 | 1/2 | 50-80 | 37-59 | 5200 [c] | 1.5 | 3.3 | 188 | 29 | 11 | 23 | 10 | 1/4 | 8431 0375 40 |
| EP11PTX110 HR13-RE | M12 | 1/2 | 70-110 | 51-81 | 5100 [c] | 1.7 | 3.8 | 196 | 29 | 12 | 25 | 10 | 1/4 | 8431 0376 50 |
| EP13PTX150 HR13-RE | M12-M14 | 1/2 | 85-150 | 63-110 | 5300 [c] | 2.3 | 5.1 | 197 | 33.5 | 15 | 32 | 13 | 3/8 | 8431 0376 60 |
| EP15PTX250 HR20-RE | M12-M16 | 3/4 | 125-250 | 92-184 | 4300 [c] | 3.1 | 6.8 | 216 | 36.5 | 21 | 45 | 13 | 3/8 | 8431 0376 70 |
| EP19PTX450 HR20-RE | M16-M20 | 3/4 | 225-450 | 166-332 | 3300 [c] | 4.2 | 9.2 | 221 | 44 | 23 | 49 | 13 | 3/8 | 8431 0376 80 |
| **Trim-RE Low pressure models** [d] | | | | | | | | | | | | | | |
| EP5PTX HR10-RE-L | M5 | 3/8 | 7-15 | 5-11 | 5900 | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0379 04 |
| EP5PTX HR42-RE-L | M4-M5 | 1/4 [b] | 6-13 | 4-10 | 5900 | 0.8 | 1.8 | 154 | 21 | 4 | 9 | 8 | 1/4 | 8431 0379 00 |
| EP6PTX HR10-RE-L | M6 | 3/8 | 13-25 | 9-18 | 7900 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0379 20 |
| EP6PTX HR42-RE-L | M5 | 1/4 [b] | 11-22 | 8-16 | 7900 | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0379 10 |
| EP7PTX HR10-RE-L | M6 | 3/8 | 23-35 | 17-26 | 6200 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 10 | 1/4 | 8431 0379 30 |
| EP8PTX HR10-RE-L | M6-M8 | 3/8 | 33-45 | 24-33 | 6300 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 10 | 1/4 | 8431 0379 60 |
| **AutoTrim** | | | | | | | | | | | | | | |
| EP3PTX5 HR42-AT | M4-M5 | 1/4 [b] | 2-5 | 1.6-4 | 4500 [c] | 0.8 | 1.8 | 154 | 21 | 4 | 9 | 8 | 1/4 | 8431 0375 53 |
| EP4PTX9 HR10-AT | M5 | 3/8 | 4-9 | 3-7 | 3300 [c] | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0375 56 |
| EP4PTX9 HR42-AT | M5 | 1/4 [b] | 4-9 | 3-7 | 3300 [c] | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0375 52 |
| EP5PTX17 HR42-AT | M6 | 1/4 [b] | 7-17 | 5-13 | 5400 [c] | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 02 |
| EP5PTX19 HR10-AT | M6 | 3/8 | 8-19 | 6-14 | 5400 [c] | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 06 |
| EP6PTX28 HR42-AT | M6-M8 | 1/4 [b] | 15-28 | 11-18 | 8500 [c] | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 12 |
| EP6PTX32 HR10-AT | M6-M8 | 3/8 | 16-32 | 12-23 | 8500 [c] | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0375 22 |
| EP7PTX55 HR10-AT | M8-M10 | 3/8 | 30-55 | 22-40 | 6900 [c] | 1.2 | 2.5 | 176 | 25 | 9 | 19 | 10 | 1/4 | 8431 0375 32 |
| EP8PTX70 HR10-AT | M10 | 3/8 | 40-70 | 29-51 | 6900 [c] | 1.2 | 2.5 | 176 | 25 | 9 | 19 | 10 | 1/4 | 8431 0375 62 |
| EP9PTX80 HR13-AT | M10 | 1/2 | 50-80 | 37-59 | 5100 [c] | 1.5 | 3.4 | 188 | 29 | 11 | 23 | 10 | 1/4 | 8431 0375 42 |
| EP11PTX110 HR13-AT | M12 | 1/2 | 70-110 | 51-81 | 5100 [c] | 1.7 | 3.8 | 196 | 29 | 12 | 25 | 10 | 1/4 | 8431 0376 52 |
| EP13PTX150 HR13-AT | M12-M14 | 1/2 | 85-150 | 63-110 | 5300 [c] | 2.3 | 5.0 | 197 | 33.5 | 15 | 32 | 13 | 3/8 | 8431 0376 62 |
| EP15PTX250 HR20-AT | M12-M16 | 3/4 | 125-250 | 92-184 | 4200 [c] | 3.1 | 6.8 | 216 | 36.5 | 21 | 45 | 13 | 3/8 | 8431 0376 72 |
| EP19PTX450 HR20-AT | M16-M20 | 3/4 | 225-450 | 166-332 | 3300 [c] | 4.2 | 9.2 | 221 | 44 | 23 | 49 | 13 | 3/8 | 8431 0376 82 |
| **AutoTrim Low pressure models** [d] | | | | | | | | | | | | | | |
| EP5PTX HR10-AT-L | M5 | 3/8 | 7-15 | 5-11 | 5900 | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0379 06 |
| EP5PTX HR42-AT-L | M4-M5 | 1/4 [b] | 6-13 | 4-10 | 5900 | 0.8 | 1.8 | 154 | 21 | 4 | 9 | 8 | 1/4 | 8431 0379 02 |
| EP6PTX HR10-AT-L | M6 | 3/8 | 13-25 | 9-18 | 7900 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 8 | 1/4 | 8431 0379 22 |
| EP6PTX HR42-AT-L | M5 | 1/4 [b] | 11-22 | 8-16 | 7900 | 0.9 | 2.0 | 164 | 22 | 4 | 9 | 8 | 1/4 | 8431 0379 12 |
| EP7PTX HR10-AT-L | M6 | 3/8 | 23-35 | 17-26 | 6200 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 10 | 1/4 | 8431 0379 32 |
| EP8PTX HR10-AT-L | M6-M8 | 3/8 | 33-45 | 24-33 | 6300 | 0.9 | 2.0 | 164 | 22 | 7 | 15 | 10 | 1/4 | 8431 0379 62 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.
[b] Female hexagon drive. Quick change chuck.
[c] In full speed mode.
[d] Air pressure 4 bar / 58 psi.

### *EP PTS MODELS*

ErgoPulse PTS is the reliable and powerful workhorse and offers the same shut-off mechanism as the peak performer PTI. All PTS models can also be used as lubrication free, just like other ErgoPulse tools.


EP10PTS


EP12PTS



| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIM-RE** | | | | | | | | | | | | | | |
| EP5PTS12 HR42-RE | M5-M6 | 1/4 [b] | 6-12 | 4-9 | 5400 [c] | 1.0 | 2.2 | 196 | 21 | 6.5 | 14 | 8 | 1/4 | 8431 0374 05 |
| EP5PTS14 HR10-RE | M5-M6 | 3/8 | 8-14 | 6-10 | 5400 [c] | 1.0 | 2.2 | 191 | 21 | 6.5 | 14 | 8 | 1/4 | 8431 0374 00 |
| EP6PTS22 HR10-RE | M6 | 3/8 | 10-22 | 7-16 | 7300 [c] | 1.0 | 2.2 | 191 | 21 | 7 | 15 | 8 | 1/4 | 8431 0374 20 |
| EP6PTS20 HR42-RE | M6 | 1/4 [b] | 8-20 | 6-15 | 7300 [c] | 1.0 | 2.2 | 196 | 21 | 7 | 15 | 8 | 1/4 | 8431 0374 15 |
| **TRIM-RE with balanced grip** | | | | | | | | | | | | | | |
| EP7PTS30 HR42-RE | M8 | 1/4 [b] | 16-31 | 12-23 | 5700 [c] | 1.4 | 3.0 | 175 | 26 | 8 | 17 | 10 | 1/4 | 8431 0374 35 |
| EP7PTS35 HR10-RE | M8 | 3/8 | 18-35 | 13-26 | 5700 [c] | 1.4 | 3.0 | 176 | 26 | 8 | 17 | 10 | 1/4 | 8431 0374 40 |
| EP8PTS40 HR42-RE | M8 | 1/4 [b] | 22-40 | 16-29 | 7300 [c] | 1.4 | 3.0 | 175 | 26 | 9 | 19 | 10 | 1/4 | 8431 0374 55 |
| EP8PTS55 HR10-RE | M8-M10 | 3/8 | 30-55 | 22-40 | 7300 [c] | 1.4 | 3.0 | 176 | 26 | 9 | 19 | 10 | 1/4 | 8431 0374 60 |
| EP10PTS90 HR13-RE | M10-M12 | 1/2 | 50-90 | 37-66 | 5200 [c] | 1.8 | 4.0 | 193 | 29 | 11 | 23 | 10 | 1/4 | 8431 0374 80 |
| EP12PTS150 HR13-RE | M12-M14 | 1/2 | 85-150 | 63-110 | 4200 [c] | 2.5 | 5.5 | 201 | 34 | 13 | 27 | 13 | 3/8 | 8431 0374 90 |
| EP14PTS250 HR20-RE | M12-M16 | 3/4 | 125-250 | 92-185 | 4000 [c] | 3.3 | 7.2 | 216 | 37 | 20 | 42 | 13 | 3/8 | 8431 0374 95 |
| EP18PTS410 HR20-RE | M16-M20 | 3/4 | 225-410 | 166-302 | 3000 [c] | 4.3 | 9.5 | 202 | 42 | 22 | 46 | 13 | 3/8 | 8431 0374 98 |
| **AutoTrim** | | | | | | | | | | | | | | |
| EP6PTS20 HR42-AT | M6 | 1/4 [b] | 8-20 | 6-15 | 6300 [d] | 1.0 | 2.2 | 196 | 21 | 7 | 15 | 8 | 1/4 | 8431 0374 16 |
| EP6PTS22 HR10-AT | M6 | 3/8 | 10-22 | 7-16 | 6300 [d] | 1.0 | 2.2 | 191 | 21 | 7 | 15 | 8 | 1/4 | 8431 0374 21 |
| **AutoTrim with balanced grip** | | | | | | | | | | | | | | |
| EP7PTS30 HR42-AT | M8 | 1/4 [b] | 16-31 | 12-23 | 5400 [d] | 1.4 | 3.0 | 175 | 26 | 8 | 17 | 10 | 1/4 | 8431 0374 37 |
| EP7PTS35 HR10-AT | M8 | 3/8 | 18-35 | 13-26 | 5400 [d] | 1.4 | 3.0 | 176 | 26 | 8 | 17 | 10 | 1/4 | 8431 0374 42 |
| EP8PTS40 HR42-AT | M8 | 1/4 [b] | 22-40 | 16-29 | 6900 [d] | 1.4 | 3.0 | 175 | 26 | 9 | 19 | 10 | 1/4 | 8431 0374 57 |
| EP8PTS55 HR10-AT | M8-10 | 3/8 | 30-55 | 22-40 | 6900 [d] | 1.4 | 3.0 | 176 | 26 | 9 | 19 | 10 | 1/4 | 8431 0374 62 |
| EP10PTS90 HR13-AT | M10-12 | 1/2 | 50-90 | 37-66 | 4900 [d] | 1.8 | 4.0 | 193 | 29 | 11 | 23 | 10 | 1/4 | 8431 0374 82 |
| EP12PTS150 HR13-AT | M12-14 | 1/2 | 85-150 | 63-110 | 4100 [d] | 2.5 | 5.5 | 201 | 34 | 13 | 27 | 13 | 3/8 | 8431 0374 92 |
| EP14PTS250 HR20-AT | M12-16 | 3/4 | 125-250 | 92-185 | 3900 [d] | 3.3 | 7.2 | 216 | 37 | 20 | 42 | 13 | 3/8 | 8431 0374 97 |
| EP18PTS410 HR20-AT | M16-20 | 3/4 | 225-410 | 166-332 | 2900 [d] | 4.3 | 9.5 | 202 | 42 | 22 | 46 | 13 | 3/8 | 8431 0374 99 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.
[b] Female hexagon drive. Quick change chuck.
[c] With TRIM valve fully open.
[d] In full speed mode.

### *EP XS MODELS*

In ErgoPulse non shut-off tools the tool produces pulses until the operator releases the trigger. Preferred in applications where it is an advantage for the operator to be able to control the process by shutting off the tool manually.

- High reliability and durability.
- High speed, short cycle times.
- One-handed operation.
- High power-to-weight ratio.
- No springs to wear out.
- High precision components.
- No reaction forces.
- Light, well-balanced tools.
- Low noise levels.
- Lubrication free.


| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP6PS HR10 | M8 | 3/8 | [c]-30 | [c]-22 | 8000 | 0.8 | 1.8 | 150 | 21 | 9 | 19 | 10 | 1/4 | 8431 0368 21 |
| EP6PS HR42 | M8 | 1/4 [b] | [c]-28 | [c]-21 | 8000 | 0.8 | 1.8 | 148 | 21 | 9 | 19 | 10 | 1/4 | 8431 0368 22 |
| EP8PS HR10 | M8-M10 | 3/8 | [c]-65 | [c]-48 | 8000 | 1.0 | 2.2 | 158 | 23 | 9 | 19 | 10 | 1/4 | 8431 0368 24 |
| EP5XS HR42 | M5-M6 | 1/4 [b] | 5-12 | 4-9 | 8500 | 0.8 | 1.8 | 165 | 21 | 9 | 19 | 8 | 1/4 | 8431 0372 30 |
| EP6XS HR42 | M6 | 1/4 [b] | 9-19 | 6-14 | 8000 | 0.8 | 1.8 | 150 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 23 |
| EP6XS HR10 | M6 | 3/8 | 10-20 | 7-15 | 8000 | 0.8 | 1.8 | 152 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 20 |
| EP7XS HR42 | M8 | 1/4 [b] | 17-28 | 13-21 | 9000 | 0.8 | 1.8 | 150 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 10 |
| EP7XS HR10 | M8 | 3/8 | 20-31 | 15-23 | 9000 | 0.8 | 1.8 | 152 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 00 |
| EP8XS HRX42 | M8 | 1/4 [b] | 22-40 | 16-29 | 7000 | 1.0 | 2.2 | 172 | 23 | 9 | 19 | 10 | 1/4 | 8431 0369 16 |
| EP8XS HRX10 | M8-M10 | 3/8 | 30-52 | 22-38 | 7000 | 1.0 | 2.2 | 174 | 23 | 9 | 19 | 10 | 1/4 | 8431 0369 09 |
| EP10XS HR13 | M10 | 1/2 | 50-70 | 37-52 | 6000 | 1.3 | 2.9 | 168 | 26 | 11 | 23 | 10 | 1/4 | 8431 0369 40 |
| EP12XS HR13 | M12 | 1/2 | 65-110 | 48-81 | 4500 | 1.6 | 3.5 | 178 | 29 | 12 | 25 | 10 | 1/4 | 8431 0371 00 |
| EP14XS HR13 | M14 | 1/2 | 110-160 | 81-118 | 3500 | 2.4 | 5.3 | 188 | 34 | 14 | 30 | 13 | 3/8 | 8431 0371 50 |
| EP16XS HR20 | M16 | 3/4 | 160-240 | 118-177 | 2800 | 3.3 | 7.3 | 205 | 37 | 15 | 32 | 13 | 3/8 | 8431 0371 55 |
| EP20XS HR20 | M20 | 3/4 | 300-400 | 221-295 | 3700 | 5.1 | 11.2 | 240 | 43 | 16 | 34 | 13 | 3/8 | 8431 0371 60 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.

[b] Female hexagon drive. Quick change chuck.

[c] Torque is adjusted by regulating the air pressure.

### *EP PTX MODELS*

In ErgoPulse shut-off tools the air supply is shut off as soon as the pre-set torque has been reached, minimizing operator influence. The result is increased accuracy and faster tightening.

- High reliability.
- Consistent torque over time.
- High level of durability.
- High speed, short cycle times.
- One-handed operation.
- High power-to-weight ratio.
- No springs to wear out.
- High precision components.
- No reaction forces.
- Low noise levels.
- Lubrication free.

**EP4/5/6PTX SR-AT**

| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TRIM** | | | | | | | | | | | | | | |
| EP3PTX5 SR42 | M4-M5 | 1/4 [b] | 2-5 | 1.6-4 | 4500 [d] | 0.7 | 1.6 | 202 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 01 |
| EP4PTX9 SR10 | M5 | 3/8 | 4-9 | 3-7 | 3400 [d] | 0.9 | 2.0 | 207 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 04 |
| EP4PTX9 SR42 | M5 | 1/4 [b] | 4-9 | 3-7 | 3400 [d] | 0.9 | 2.0 | 207 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 00 |
| EP5PTX14 SR42 | M6 | 1/4 [b] | 7-14 | 5-10 | 5300 [d] | 0.9 | 2.0 | 207 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 10 |
| EP5PTX15 SR10 | M6 | 3/8 | 9-15 | 7-11 | 5300 [d] | 0.9 | 2.0 | 207 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 14 |
| EP6PTX18 SR42 | M6 | 1/4 [b] | 9-18 | 7-13 | 6800 [d] | 0.9 | 2.0 | 207 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 20 |
| EP6PTX19 SR10 | M6 | 3/8 | 10-19 | 7-14 | 6800 [d] | 0.9 | 2.0 | 207 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 24 |
| EP7PTX28 SR42 | M6-M8 | 1/4 [b] | 17-28 | 13-18 | 4300 [d] | 1.2 | 2.5 | 235 | 25 | 8 | 17 | 10 | 1/4 | 8431 0376 30 |
| EP7PTX31 SR10 | M6-M8 | 3/8 | 18-31 | 13-23 | 4300 [d] | 1.2 | 2.5 | 235 | 25 | 8 | 17 | 10 | 1/4 | 8431 0376 34 |
| EP8PTX45 SR10 | M8 | 3/8 | 24-45 | 18-33 | 5500 [d] | 1.2 | 2.5 | 235 | 25 | 9 | 19 | 10 | 1/4 | 8431 0376 40 |
| EP8PTX38 SR42 | M8 | 1/4 [b] | 22-38 | 16-28 | 5500 [d] | 1.2 | 2.5 | 235 | 25 | 9 | 19 | 10 | 1/4 | 8431 0376 44 |
| **AutoTrim** | | | | | | | | | | | | | | |
| EP3PTX5 SR42-AT | M4-M5 | 1/4 [b] | 2-5 | 1.6-4 | 4500 [c] | 0.8 | 1.7 | 262 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 03 |
| EP4PTX9 SR10-AT | M5 | 3/8 | 4-9 | 3-7 | 3300 [c] | 0.9 | 2.0 | 267 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 06 |
| EP4PTX9 SR42-AT | M5 | 1/4 [b] | 4-9 | 3-7 | 3300 [c] | 0.9 | 2.0 | 267 | 21 | 4 | 9 | 8 | 1/4 | 8431 0376 02 |
| EP5PTX15 SR10-AT | M6 | 3/8 | 9-15 | 7-11 | 4800 [c] | 0.9 | 2.0 | 267 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 16 |
| EP5PTX14 SR42-AT | M6 | 1/4 [b] | 7-14 | 5-10 | 4800 [c] | 0.9 | 2.0 | 267 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 12 |
| EP6PTX18 SR42-AT | M6 | 1/4 [b] | 9-18 | 7-13 | 6700 [c] | 0.9 | 2.0 | 267 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 22 |
| EP6PTX19 SR10-AT | M6 | 3/8 | 10-19 | 7-14 | 6700 [c] | 0.9 | 2.0 | 267 | 21 | 7 | 15 | 8 | 1/4 | 8431 0376 26 |
| EP7PTX28 SR42-AT | M6-M8 | 1/4 [b] | 17-28 | 13-18 | 4300 [c] | 1.2 | 2.5 | 295 | 25 | 7 | 15 | 10 | 1/4 | 8431 0376 32 |
| EP7PTX31 SR10-AT | M6-M8 | 3/8 | 18-31 | 13-23 | 4300 [c] | 1.2 | 2.5 | 295 | 25 | 7 | 15 | 10 | 1/4 | 8431 0376 36 |
| EP8PTX38 SR42-AT | M8 | 1/4 [b] | 22-38 | 16-28 | 5900 [c] | 1.2 | 2.5 | 295 | 25 | 9 | 19 | 10 | 1/4 | 8431 0376 46 |
| EP8PTX45 SR10-AT | M8 | 3/8 | 24-45 | 18-33 | 5900 [c] | 1.2 | 2.5 | 295 | 25 | 9 | 19 | 10 | 1/4 | 8431 0376 42 |
| **AutoTrim Low pressure models** [e] | | | | | | | | | | | | | | |
| EP5PTX SR10-AT-L | M5 | 3/8 | 8-13 | 6-10 | 4800 | 0.9 | 2.0 | 267 | 21 | 4 | 9 | 8 | 1/4 | 8431 0368 01 |
| EP5PTX SR42-AT-L | M4-M5 | 1/4 [b] | 7-12 | 5-9 | 4800 | 0.7 | 1.6 | 267 | 21 | 4 | 9 | 8 | 1/4 | 8431 0368 03 |
| EP6PTX SR10-AT-L | M6 | 3/8 | 10-17 | 7-13 | 6300 | 0.9 | 2.0 | 267 | 21 | 7 | 15 | 8 | 1/4 | 8431 0368 09 |
| EP6PTX SR42-AT-L | M5 | 1/4 [b] | 9-16 | 6-12 | 6300 | 0.9 | 2.0 | 267 | 21 | 4 | 9 | 8 | 1/4 | 8431 0368 15 |
| EP7PTX SR10-AT-L | M6 | 3/8 | 16-22 | 12-16 | 4000 | 0.9 | 2.0 | 295 | 21 | 7 | 15 | 8 | 1/4 | 8431 0368 35 |
| EP7PTX SR42-AT-L | M6 | 1/4 [b] | 15-21 | 11-15 | 4000 | 0.9 | 2.0 | 295 | 21 | 7 | 15 | 8 | 1/4 | 8431 0368 46 |
| EP8PTX SR10-AT-L | M6-M8 | 3/8 | 21-32 | 15-24 | 5300 | 1.2 | 2.5 | 295 | 25 | 8 | 17 | 10 | 1/4 | 8431 0367 83 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.

[b] Female hexagon drive. Quick change chuck.

[c] In full speed mode.

[d] With TRIM valve fully open.

[e] Air pressure 4 bar / 58 psi.

### *XS MODELS*

In ErgoPulse non shut-off tools the tool produces pulses until the operator releases the trigger. Preferred in applications where it is an advantage for the operator to be able to control the process by shutting off the tool manually.

- High reliability and durability.
- High speed, short cycle times.
- One-handed operation.
- High power-to-weight ratio.
- No springs to wear out.
- No wear on key parts.
- High precision components.
- No reaction forces.
- Light, well-balanced tools.
- Low noise levels.
- Lubrication free.

**EP6XS SR**

| Model | Bolt size mm | Square drive in | Torque range [a] Nm | Torque range [a] ft lb | Free speed r/min | Weight kg | Weight lb | Length mm | CS distance mm | Air consumption under load l/s | Air consumption under load cfm | Rec. hose size mm | Air inlet thread in | Ordering No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EP6XS SR10 | M6 | 3/8 | 10-20 | 7-15 | 8000 | 0.7 | 1.5 | 221 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 25 |
| EP6XS SR42 | M6 | 1/4 [b] | 9-19 | 6-14 | 8000 | 0.7 | 1.5 | 219 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 27 |
| EP7XS SR10 | M8 | 3/8 | 20-31 | 15-23 | 10000 | 0.7 | 1.5 | 221 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 05 |
| EP7XS SR42 | M8 | 1/4 [b] | 17-28 | 13-21 | 10000 | 0.7 | 1.5 | 219 | 22 | 8 | 17 | 8 | 1/4 | 8431 0372 15 |
| EP8XS SR10 | M8-M10 | 3/8 | 30-52 | 22-38 | 8000 | 0.9 | 2.0 | 244 | 24 | 9 | 19 | 8 | 1/4 | 8431 0369 20 |
| EP8XS SR42 | M8 | 1/4 [b] | 22-40 | 16-29 | 8000 | 0.9 | 2.0 | 242 | 24 | 9 | 19 | 8 | 1/4 | 8431 0369 30 |

[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.

[b] Female hexagon drive. Quick change chuck.

## *Productivity Kits*

| Model | Max air flow | Hose, 5 m | Coupling | Lubrication | Ordering No. |
|---|---|---|---|---|---|
| **For small impacts and pulse tools with 1/4" BSP air inlet** | | | | | |
| MIDI Optimizer F/RD EP EQ08-C08 | 9 l/s | Cablair 8 mm | ErgoQIC 08 | Yes | 8202 0850 35 |
| **For 1/2" impact wrenches and pulse tools with 3/8" BSP air inlet** | | | | | |
| MIDI Optimizer F/RD EQ08-C10 | 16 l/s | Cablair 10 mm | ErgoQIC 08 | Yes | 8202 0850 36 |
| **For 1/2" impact wrenches and pulse tools with 1/4" BSP air inlet** | | | | | |
| MIDI Optimizer F/RD EQ08-C10 | 16 l/s | Cablair 10 mm | ErgoQIC 08 | Yes | 8202 0850 37 |
| MIDI Optimizer F/RD EQ10-R10 | 16 l/s | Rubber 10 mm | ErgoQIC 10 | Yes | 8202 0850 38 |
| **For impact wrenches and pulse tools with 3/8" BSP air inlet** | | | | | |
| MIDI Optimizer F/RD EQ10-C13 | 23 l/s | Cablair 13 mm | ErgoQIC 10 | Yes | 8202 0850 39 |
| **For impact wrenches and pulse tools with 1/2" BSP air inlet** | | | | | |
| MIDI Optimizer F/RD EQ10-T13 | 35 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 41 |

# Optional Accessories

## GUIDED EXTENSIONS

| Available for | Square drive in | Dia. of outgoing spindle mm | Length mm | Marking | Ordering No. |
|---|---|---|---|---|---|
| 6-8XS, | 3/8 | 13 | 75 | 10-13-75 | 4023 3600 02 |
| 4-8PTI/PTS/PTX | 3/8 | 13 | 100 | 10-13-100 | 4023 3600 01 |
| | 3/8 | 13 | 150 | 10-13-150 | 4023 3601 01 |
| | 3/8 | 13 | 200 | 10-13-200 | 4023 3611 01 |
| | 3/8 | 13 | 250 | 10-13-250 | 4023 3612 01 |
| | 3/8 | 13 | 300 | 10-13-300 | 4023 3613 01 |
| 10C, 10-12XS | 1/2 | 16 | 75 | 13-16-75 | 4023 3602 02 |
| | 1/2 | 16 | 100 | 13-16-100 | 4023 3602 01 |
| | 1/2 | 16 | 150 | 13-16-150 | 4023 3603 01 |
| | 1/2 | 16 | 200 | 13-16-200 | 4023 3604 01 |
| | 1/2 | 16 | 250 | 13-16-250 | 4023 3614 01 |
| | 1/2 | 16 | 300 | 13-16-300 | 4023 3615 01 |
| 14XS, 9-13PTI/PTX, | 1/2 | 18 | 75 | 13-18-75 | 4023 3605 02 |
| 10-12PT/PTS | 1/2 | 18 | 100 | 13-18-100 | 4023 3605 01 |
| | 1/2 | 18 | 150 | 13-18-150 | 4023 3606 01 |
| | 1/2 | 18 | 200 | 13-18-200 | 4023 3607 01 |
| | 1/2 | 18 | 250 | 13-18-250 | 4023 3616 01 |
| | 1/2 | 18 | 300 | 13-18-300 | 4023 3617 01 |
| 16XS/20XS, | 3/4 | 25 | 100 | 20-25-100 | 4023 3608 01 |
| 14PTS/18PTS, | 3/4 | 25 | 150 | 20-25-150 | 4023 3609 01 |
| 15PTX/19PTX | 3/4 | 25 | 200 | 20-25-200 | 4023 3610 01 |
| | 3/4 | 25 | 250 | 20-25-250 | 4023 3618 01 |
| | 3/4 | 25 | 300 | 20-25-300 | 4023 3619 01 |

*Guided extensions*

## GUIDED SOCKETS

| Available for | Square in | Width across mm/in | Diameter of outgoing mm | Marking | Ordering No. |
|---|---|---|---|---|---|
| **Metric sockets** | | | | | |
| 6-8XS, | 3/8 | 10 | 13 | 10-13 | 4026 4210 00 |
| 4-8PTI/PTS/PTX | 3/8 | 13 | 13 | 13-13 | 4026 4213 00 |
| | 3/8 | 16 | 13 | 16-13 | 4026 4216 00 |
| | 3/8 | 17 | 13 | 17-13 | 4026 4217 00 |
| | 3/8 | 18 | 13 | 18-13 | 4026 4218 00 |
| | 3/8 | 19 | 13 | 19-13 | 4026 4219 00 |
| 14XS, 9-13PTI/PTX, | 1/2 | 13 | 18 | 13-18 | 4026 4313 00 |
| 10-12PT/PTS | 1/2 | 16 | 18 | 16-18 | 4026 4316 00 |
| | 1/2 | 17 | 18 | 17-18 | 4026 4317 00 |
| | 1/2 | 18 | 18 | 18-18 | 4026 4318 00 |
| | 1/2 | 19 | 18 | 19-18 | 4026 4319 00 |
| | 1/2 | 24 | 18 | 24-18 | 4026 4324 00 |
| 16XS/20XS, | 3/4 | 18 | 25 | 18-25 | 4026 4418 00 |
| 14PTS/18PTS, | 3/4 | 24 | 25 | 24-25 | 4026 4424 00 |
| 15PTX/19PTX | 3/4 | 30 | 25 | 30-25 | 4026 4430 00 |
| **UNC/UNF-sockets** | | | | | |
| 6-8XS, | 3/8 | 1/2 | 13 | 1/2-13 | 4026 4212 00 |
| 5-8PTI/PTS/PTX | 3/8 | 9/16 | 13 | 9/16-13 | 4026 4214 00 |
| | 3/8 | 3/4 | 13 | 3/4-13 | 4026 4219 00 |
| 14XS, 9-13PTI/PTX, | 1/2 | 1/2 | 18 | 1/2-18 | 4026 4312 00 |
| 10-12PT/PTS | 1/2 | 9/16 | 18 | 9/16-18 | 4026 4314 00 |
| | 1/2 | 3/4 | 18 | 3/4-18 | 4026 4319 00 |
| | 1/2 | 15/16 | 18 | 15/16-18 | 4026 4323 00 |
| 16XS/20XS, | 3/4 | 3/4 | 25 | 3/4-25 | 4026 4419 00 |
| 14PTS/18PTS, | 3/4 | 15/16 | 25 | 15/16-25 | 4026 4423 00 |
| 15PTX/19PTX | 3/4 | 11/8 | 25 | 11/8-25 | 4026 4429 00 |

*Guided sockets*

## GUIDED QUICK CHANGE CHUCK FOR POWER TOOLS

| Available for | Square drive in | Female hex in | Diameter of outgoing spindle mm | Marking | Ordering No. |
|---|---|---|---|---|---|
| 6-8XS | 3/8 | 1/4 | 13 | 3/8-1/4-13 | 4026 4501 00 |
| 5-8PTI/PTS/PTX | 3/8 | 7/16 | 13 | 3/8-7/16-13 | 4026 4502 00 |
| 14XS, 9-13PTI/PTX, 10-12PT/PTS | 1/2 | 7/16 | 18 | 1/2-7/16-18 | 4026 4503 00 |

*Guided quick change chuck*

## Optional Accessories

### PROTECTIVE COVER AND SUPPORT HANDLE

| Pistol grip models | Protective cover | Support handle |
|---|---|---|
| EP6/7XS HR | 4250 2089 00 | |
| EP8XS HRX | 4250 1895 00 | |
| EP12XS HR | 4250 2459 00 | |
| EP14XS HR | 4250 2160 00 | |
| EP16XS HR | 4250 2282 00 | 4250 2396 91 |
| EP20XS HR | 4250 2288 00 | Included |
| EP4/5/6PTX HR | 4250 2465 00 | |
| EP7/8PTX HR | 4250 2466 00 | |
| EP9PTX HR | 4250 2467 00 | |
| EP11PTX HR | 4250 2551 00 | |
| EP13PTX HR | 4250 2718 00 | 4250 2396 91 |
| EP15PTX HR | 4250 2674 00 | 4250 2396 93 |
| EP19PTX HR | 4250 2719 00 | 4250 2396 92 |
| EP5/6PT/PTS HR | 4250 2393 00 | |
| EP7/8PT/PTS HR | 4250 1784 00 | |
| EP10PT/PTS HR | 4250 1743 00 | |
| EP12PT/PTS HR | 4250 1858 00 | |
| EP14PTS HR | 4250 2228 00 | 4250 2396 91 |
| EP18PTS HR | 4250 2319 00 | |
| EP5/6PTI | 4250 3209 00 | |
| EP7/8PTI | 4250 3206 00 | |
| EP9PTI | 4250 3216 00 | |
| EP11PTI | 4250 3218 00 | |
| EP13PTI | 4250 3214 00 | 4250 2396 91 |

For complete information, go to **servaid.atlascopco.com**

*Support handle*



*Protective cover*

*Protective cover for EP PTI models*

### OIL FILLING KIT AND OIL KIT

| | Ordering No. |
|---|---|
| Oil filling kit for PTI models | 4250 3220 90 |
| Oil kit (150 ml, syringe) | 4081 0121 90 |
| Oil kit (1000 ml, syringe) | 4081 0513 90 |

### RE-REPORTING KIT

| | Ordering No. |
|---|---|
| RE-reporting kit for ErgoPulse PTS/PTX models with AutoTrim or Trim-RE valve | 4250 1854 91 |
| RE-reporting kit for ErgoPulse PTI models | 4250 1854 92 |

## Service Kits

The spare parts included in the service kits cover a normal overhaul of your tool. Always have them available for a fast and economical repair.

Main parts included:

- Vane kit
- Motor bearings
- Gaskets
- O-rings
- Circlips
- Pins etc.

| Model | Pulse unit kit | Service kit | Model | Pulse unit kit | Service kit |
|---|---|---|---|---|---|
| EP5XS | 4210 2532 93 | 4081 0264 90 | EP7PTX HR | 4250 2267 96 | 4081 0410 90 |
| EP6/7XS HR | 4250 2084 90 | 4081 0188 90 | EP8PTX HR | 4250 2267 91 | 4081 0279 90 |
| EP6/7XS SR | 4250 2084 90 | 4081 0189 90 | EP9PTX HR | 4250 2058 90 | 4081 0411 90 |
| EP6PS HR | 4250 2058 91 | 4081 0274 90 | EP11PTX HR | 4250 2267 95 | 4081 0310 90 |
| EP8PS HR | 4250 2059 90 | 4081 0120 90 | EP13PTX HR | 4250 2267 92 | 4081 0226 90 |
| EP8XS HR | 4250 2085 90 | 4081 0119 90 | EP15PTX HR | 4250 2267 93 | 4081 0242 90 |
| EP8XS SR | 4250 2085 90 | 4081 0190 90 | EP19PTX HR | 4250 2267 94 | 4081 0256 90 |
| EP10XS HR | 4250 2086 90 | 4081 0191 90 | EP5/6PTS HR | 4250 2058 90 | 4081 0413 90 |
| EP12XS HR | 4250 2087 90 | 4081 0192 90 | EP7/8PTS HR | 4250 2267 91 | 4081 0225 90 |
| EP14XS HR | 4250 2170 90 | 4081 0200 90 | EP10PTS HR | 4250 2267 90 | 4081 0222 90 |
| EP16XS HR | 4250 2281 90 | 4081 0223 90 | EP12PTS HR | 4250 2267 92 | 4081 0226 90 |
| EP20XS HR | 4250 2281 91 | 4081 0245 90 | EP14PTS HR | 4250 2267 93 | 4081 0242 90 |
| EP4PTX HR | 4250 2058 96 | 4081 0122 90 | EP18PTS HR | 4250 2267 94 | 4081 0256 90 |
| EP5/6PTX HR | 4250 2058 90 | 4081 0122 90 | | | |

For complete information, go to **servaid.atlascopco.com**