ErgoPulse impulse tools

Take the fast lane to productivity

Atlas Copco

Effortless power.

Pick up an ErgoPulse tool. You are holding one of the most advanced pulse tools in the world. It feels good in your hand – light and perfectly balanced, with a comfortable grip. Place it on the joint and press the trigger, the teasing valve makes it easy to enter the fastener.

Give it full throttle. There's enormous power.

Rundown is fast, yet you're in full control, and the torque is applied to the joint, not to your wrist.

ErgoPulse PT and PTS, with automatic shut-off, give you short cycle times, precision tightening and a top quality result – every time.

With the new ErgoPulse PTS AutoTrim, you can tighten mixed joints fast and accurately – with low mean-shift. This ensures consistently high joint quality.

ErgoPulse XS non shut-off tools are the ideal solution when you need high speed with manual control over the tightening process. They provide fast, accurate tightening and long service lifetimes. Change to ErgoPulse impulse tools, advanced tightening technology from Atlas Copco.

Take the fast lane to productivity!

Ideal for continuous production Atlas Copco ErgoPulse tools feature rugged pulse units with a long service life. Durability tests have shown no significant signs of wear after more than a million tightenings.

Lubrication-free motors! Lubrication-free tools mean a clean, more effective working environment. No contamination or end-of-line oil starvation. No units to refill and maintain, and faster set-up times.

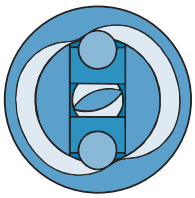
Complete range Choose from our complete range of ErgoPulse nutrunners and screwdrivers, in straight and pistol grip designs covering bolt sizes M5-M20.

On-time, worldwide Atlas Copco's global supply and distribution network guarantees that ErgoPulse tools are supplied on time, when and where needed.

Equipped with automatic shut-off, ErgoPulse PT and PTS tools speed up production by providing fast rundowns and short tightening cycles. The patented ErgoPulse shut-off system automatically provides the high-precision tightening you need to ensure consistently high quality in your plant.

Speed and precision – the keys to productivity.

SHUT-OFF TOOLS



Twin piston mechanism

All the power you need. In ErgoPulse tools Atlas Copco's patented piston design has resulted in the world's most compact, lightweight tool. Yet it has all the power you need.

Guesswork eliminated. ErgoPulse PT and PTS tools automatically shut off the air supply when the preset torque is reached – no guesswork is needed. Minimizing operator influence results in increased accuracy and faster tightening.

The ErgoPulse shut-off system is based on an inertia mass located outside the pulse unit. Since the retardation of the pulse unit is directly proportional to the torque transmitted, the tool will shut off when the preset torque is achieved.

The design of the pulse mechanism ensures that the preset torque is reached rapidly and remains constant – with excellent repeatability.

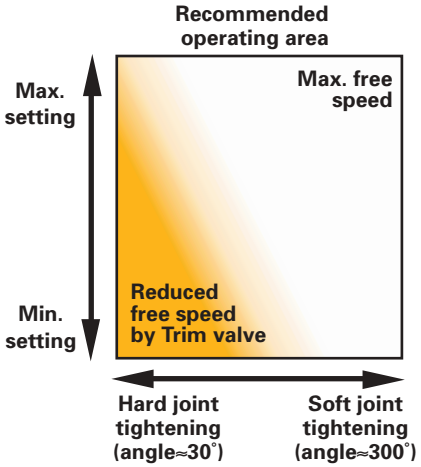
Extra strong PTS series

Need more than 125 Nm? Or do you simply want optimum power-to-weight ratio? Either way, the ErgoPulse PTS series is the obvious choice. The PTS series covers a torque range from 6 to 450 Nm.

The ideal tool for low pressure applications. For added flexibility, PTS tools are designed to give proper function at working pressures from ~ 4 to 7 bar.

Thus, PTS tools are the perfect tightening solution, providing optimum power, even in low pressure applications.

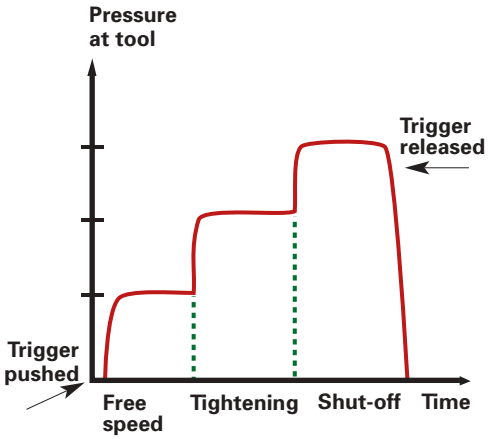
TRIM valve for hard joints and low torque levels. PT and PTS-RE shut-off tools incorporate a patented adjustable valve at the air outlet. This feature enhances the tool's performance on hard joints and at low torque levels.



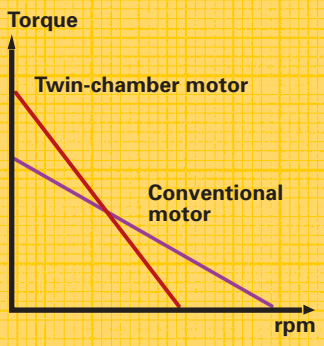
Reporting tools for process control. ErgoPulse PTS tools give you a process control option. They supply an air signal that can be connected to a monitoring instrument to count the number of tightenings and detect premature shut-off and re-hits.

Atlas Copco RE-Controller for cost-effective quality control. The Atlas Copco RE-Controller helps the operator to control the assembly process when using an ErgoPulse PTS. The RE-Controller counts all correct tightenings in a batch and detects premature shut-off, re-hits, stripped threads, wrong screw length and pressure fluctuations.

For more information please contact Atlas Copco.

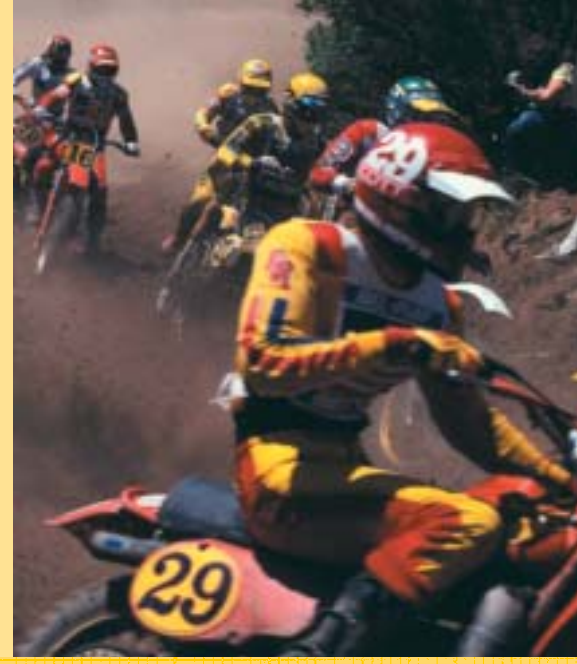


By measuring the pneumatic signal from an ErgoPulse PTS tool, and time, you can, via a controller, count the number of tightenings and detect premature shut-off and re-hits.



1. **Twin-chamber air motor for high torque and fast tightening (see graph).**
2. **Pulse unit with cam-guided pistons and rollers gives high torque and low weight.**
3. **Patented shut-off system with inertia body provides high accuracy.**
4. **Built-in oil compensation volume for maximum durability and consistent torque on PTS.**
5. **Two-stage trigger and low trigger force ensure easy joint entering and operator comfort.**
6. **Rubber grip insulates the hands from cold and ensures operator comfort.**
7. **Silencer with TRIM valve for excellent performance on all types of joint.**
8. **Reporting signal for process control is standard on all PTS tools.**

Simply set the desired torque and start tightening. No further adjustments are required. ErgoPulse PTS AutoTrim offers built-in tightening flexibility and unbeatable performance. This ingenious, patented concept enables you to tighten mixed hard and soft joints fast, with excellent results, using the same tool.



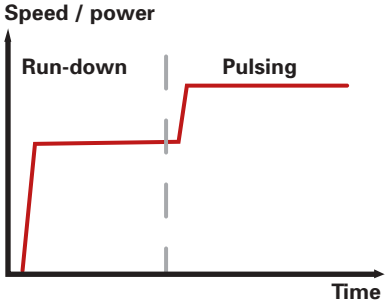
NEW!

AutoTrim – unbeatable performance in all conditions.

The revolutionary AutoTrim valve.

ErgoPulse PTS AutoTrim tools are based on the successful ErgoPulse PTS-RE range, with two new additions. This new, parallel series of shut-off tools will speed up your production and put you in the fast lane to higher productivity!

What does AutoTrim do? Speed is reduced during rundown. When resistance is detected, AutoTrim automatically causes the ErgoPulse



tool to shift to full power for the impulse phase of the tightening cycle, shutting off at precisely the correct torque.

The AutoTrim function is fully automatic. Set the desired torque and AutoTrim will take care of the rest, whether the joint is hard or soft.

ErgoPulse PTS AutoTrim or ErgoPulse PTS-RE? If you are going to tighten mixed hard and soft joints using the same tool, ErgoPulse PTS AutoTrim tools give the best results.

ErgoPulse PTS-RE tools are recommended where fasteners with a similar joint rate are to be tightened.

AutoTrim valves for ErgoPulse PTS-RE. Existing ErgoPulse PTS-RE tools can easily be converted into AutoTrim versions by replacing the Trim valve with the AutoTrim valve.

AutoTrim valves

For model	Ordering No.
EP5/6PTS	4250 1878 90
EP7/8PTS	4250 1878 91
EP10PTS	4250 1878 92
EP12PTS	4250 1878 93
EP14PTS	4250 1878 94
EP18PTS	4250 1878 95

NEW!

Air-on-Top – no annoying hose hook!

The new ErgoPulse PTS-HRF versions give you full flexibility. Either use the air inlet on top to avoid the annoying hose hook, or use the convenient air inlet at the base of the handle. The Air-on-Top option is particularly suitable for workstations.

NEW!

Powerful ErgoPulse 5 and 6 PTS HRX

Comfort, speed and accuracy. The ErgoPulse PTS range includes two new tools, the ErgoPulse 5 and 6 PTS HRX. The new designs ensure maximum operator comfort, short tightening cycles and high tightening accuracy, a truly unbeatable combination.

28 Nm from a one kilo tool? Unbelievable, but true! Weighing less than one kilo, ErgoPulse 6 PTS HRX gives you 28 Nm of pure muscle. Ideal for M8 applications, this new member of the winning ErgoPulse team offers levels of power that will amaze you.

A pleasure to work with. Even more important, the ErgoPulse 5 and 6 PTS HRX are specifically designed to eliminate operator fatigue. The perfectly balanced design of the tools is complemented by slim handles with rubber insulated grips, making them a pleasure to work with.

AutoTrim

Trim

Where speed is important and it is an advantage for the operator to control the process, Atlas Copco ErgoPulse XS non shut-off tools are the best solution available. The powerful XS tools are optimized to provide high torque, fast, accurate tightening and extremely long service life.

Designed to perform, built to last.

NON SHUT-OFF TOOLS

Pure harmony! In ErgoPulse XS tools, the impulse unit is optimized to make every single pulse as efficient as possible. Since almost 100% of the energy is transmitted to the joint, very little is released in the form of vibrations.

Reaches the pre-set torque faster. The motor transfers the correct power to the impulse unit, neither too much, nor too little. Due to the optimization of the motor power with the efficiency of the impulse unit, the tool reaches the pre-set torque extremely fast.

Low noise and vibration. ErgoPulse XS tools offer low noise and vibration levels, plus durability that ensures long service lifetimes.

High-powered performance. Our more recent, high-powered models include the twin-bladed ErgoPulse 6-8XS and the triple-bladed ErgoPulse 10-20XS.

These tools feature a patented cam-guided blade design. Since there are no springs, the risk of breakage or other malfunction is eliminated.

NEW!

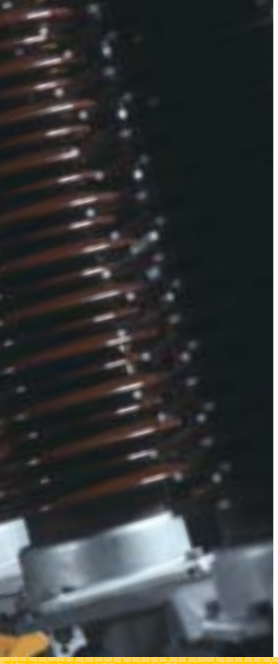
Twin piston success continues. The ErgoPulse 6PS, a new, non shut-off impulse tool with a balanced handle is ideal for M8 applications.

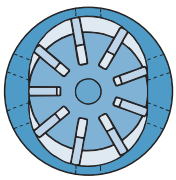
We combined the patented twin-piston, impulse unit from the ErgoPulse PTS series with a twin-chamber motor in a tool with no shut-off function. A new handle with a compact, comfortable grip completed the design.

Maximum power in reverse. The ErgoPulse 6PS is the ideal tool for fast tightening of self-tapping screws, and when maximum power in reverse is needed.

Model	Screw size mm	Square drive size in	Maximum torque Nm	ft lb	Free speed r/min	Weight kg	lb	Length mm	Distance centre to side mm	Air consumption under load l/s	cfm	Ordering No.
EP6PS-HR42	M8	1/4[a]	28	21	8 000	0.8	1.8	150	21	9	19	8431 0368 22
EP6PS-HR10	M8	3/8	30	22	8 000	0.8	1.8	150	21	9	19	8431 0368 21

Air inlet thread 1/4". Recommended hose size, minimum 10 mm / 3/8".
[a] Female hexagon drive. Quick change chuck.





Twin chamber motor

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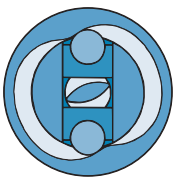

Twin piston mechanism

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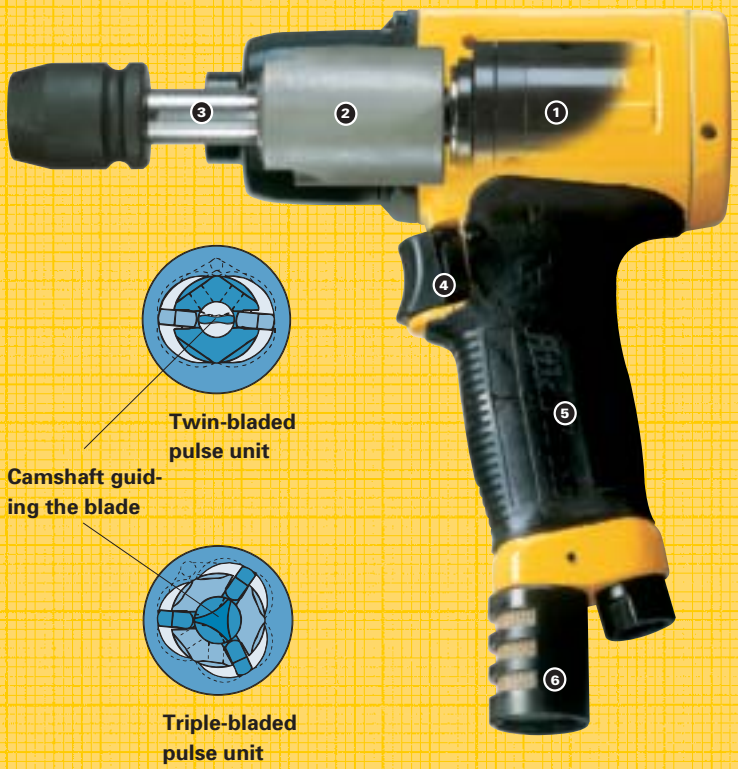
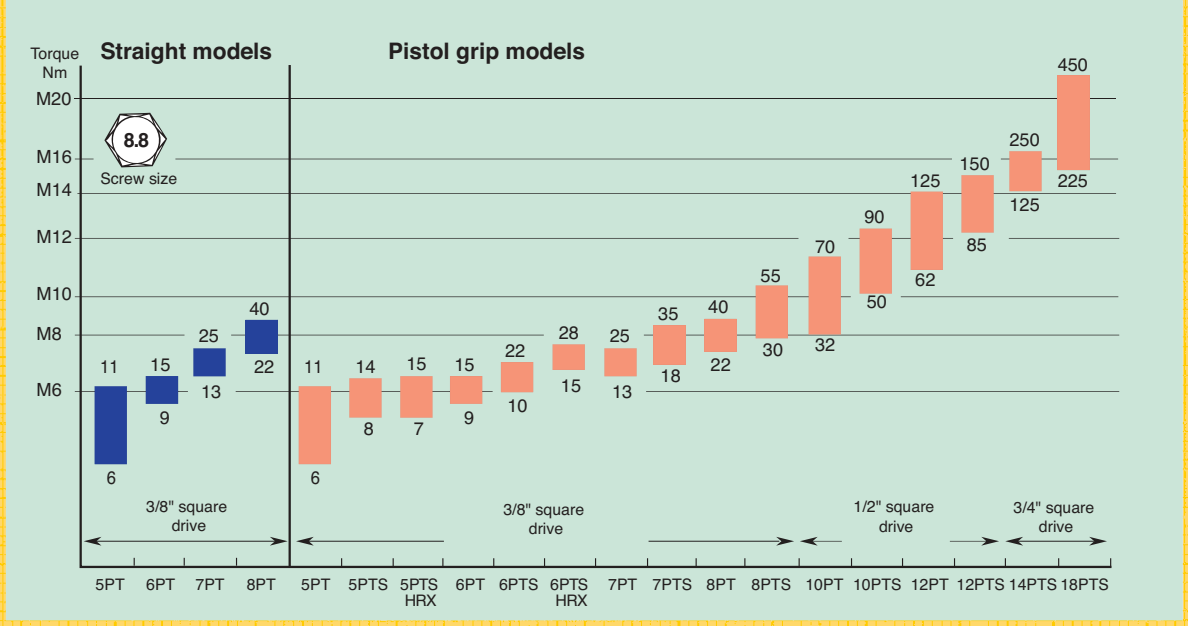
EP6PS



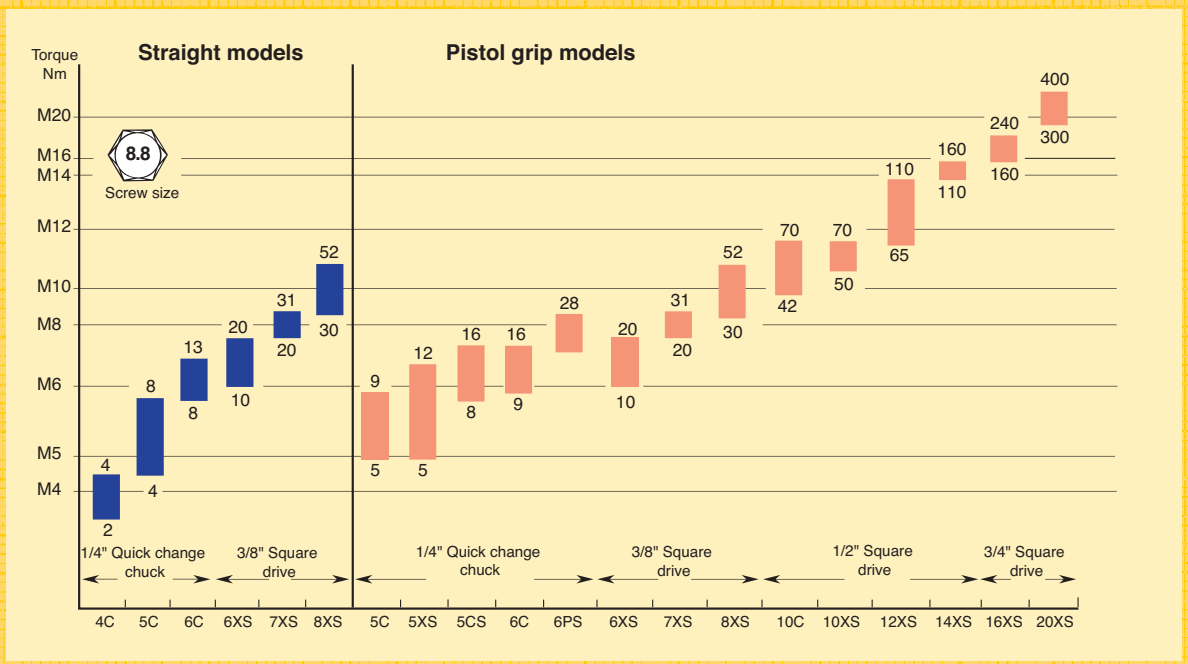
1. Dual chamber air motor for high torque and fast tightening.
2. Patented oil compensation volume for maximum durability and consistent torque.
3. Pulse unit with twin or triple blades for high torque and low weight.
4. Two-stage trigger and low trigger force ensure easy entering and operator comfort.
5. Rubber grip insulates the hands from cold and ensures operator comfort.
6. Silencer can be rotated to direct the exhaust.

ErgoPulse torque range
Select the right tool for your application

SHUT-OFF pulse tools



NON SHUT-OFF pulse tools



ErgoPulse shut-off type

Model	Bolt size mm	Square drive size in	Recommended torque range[a] Nm	ft lb	Free speed r/min	Weight kg	lb	Length mm	Distance centre to side mm	Air consumption under load l/s	cfm	Recommended hose size mm	Air inlet thread in	Sound level dB(A)	Ordering No.
Straight models. ErgoPulse 5-8PT															
EP5PT SR42	M6	1/4[b]	5-10	4-7	5000[c]	0.9	1.9	212	21	6	13	8	1/4	74	8431 0368 02
EP5PT SR10	M6	3/8	6-11	4-8	5000[c]	0.9	1.9	208	21	6	13	8	1/4	74	8431 0368 00
EP6PT SR42	M6	1/4[b]	8-14	6-10	6000[c]	0.9	2.0	212	21	6	13	8	1/4	74	8431 0368 12
EP6PT SR10	M6	3/8	9-15	7-11	6000[c]	0.9	2.0	208	21	6	13	8	1/4	74	8431 0368 08
EP7PT SR42	M8	1/4[b]	12-23	9-17	4500[c]	1.2	2.5	240	25	7	15	8	1/4	78	8431 0368 37
EP7PT SR10	M8	3/8	13-25	10-18	4500[c]	1.2	2.5	236	25	7	15	8	1/4	78	8431 0368 31
EP8PT SR42	M8	1/4[b]	20-35	15-26	6000[c]	1.2	2.6	240	25	8	17	8	1/4	75	8431 0367 90
EP8PT SR10	M8	3/8	22-40	16-29	6000[c]	1.2	2.6	236	25	8	17	8	1/4	75	8431 0367 80
Pistol grip models. ErgoPulse 5-12PT															
EP5PT HR42	M6	1/4[b]	5-10	4-7	5500[c]	0.95	2.1	205	21	6	6	13	1/4	74	8431 0368 05
EP5PT HR10	M6	3/8	6-11	4-8	5500[c]	0.95	2.1	200	21	6	6	13	1/4	74	8431 0368 04
EP6PT HR42	M6	1/4[b]	8-14	6-10	6000[c]	1.0	2.2	205	21	6	6	13	1/4	74	8431 0368 23
EP6PT HR10	M6	3/8	9-15	7-11	6000[c]	1.0	2.2	200	21	6	6	13	1/4	74	8431 0368 16
EP7PT HR42	M8	1/4[b]	12-23	9-17	4500[c]	1.3	2.9	175	26	7	7	15	1/4	77	8431 0368 36
EP7PT HR10	M8	3/8	13-25	10-18	4500[c]	1.3	2.9	177	26	7	7	15	1/4	77	8431 0368 30
EP8PT HR42	M8	1/4[b]	20-35	15-26	6000[c]	1.4	3.0	175	26	8	8	17	1/4	77	8431 0367 94
EP8PT HR10	M8	3/8	22-40	16-29	6000[c]	1.4	3.0	177	26	8	8	17	1/4	77	8431 0367 85
EP10PT HR13	M10	1/2	32-70	24-51	4000[c]	1.8	4.0	192	29	10	10	21	1/4	81	8431 0367 66
EP12PT HR13	M12	1/2	62-125	46-92	3500[c]	2.4	5.3	201	34	12	12	25	1/4	82	8431 0368 40
TRIM-RE															
Pistol grip models. ErgoPulse 5-6PTS[d]															
EP5PTS12 HR42-RE	M5-6	1/4[b]	6-12	4-9	5400[c]	1.0	2.2	196	21	6.5	14	8	1/4	74	8431 0374 05
EP5PTS14 HR10-RE	M5-6	3/8	8-14	6-10	5400[c]	1.0	2.2	191	21	6.5	14	8	1/4	74	8431 0374 00
EP6PTS20 HR42-RE	M6	1/4[b]	8-20	6-15	7300[c]	1.0	2.2	196	21	7	15	8	1/4	74	8431 0374 15
EP6PTS22 HR10-RE	M6	3/8	10-22	7-16	7300[c]	1.0	2.2	191	21	7	15	8	1/4	74	8431 0374 20
Pistol grip models. Balanced grip. ErgoPulse 5-18PTS[d]															
EP5PTS13 HRX42-RE	M6	1/4[b]	6-13	4-10	6500[c]	1.0	2.2	164	21	6	13	8	1/4	74	8431 0374 08
EP5PTS15 HRX10-RE	M6	3/8	7-15	5-11	6500[c]	1.0	2.2	164	21	6	13	8	1/4	74	8431 0374 03
EP6PTS25 HRX42-RE	M6-8	1/4[b]	13-25	10-18	8500[c]	1.0	2.2	164	21	7	15	8	1/4	74	8431 0374 18
EP6PTS28 HRX10-RE	M6-8	3/8	15-28	11-21	8500[c]	1.0	2.2	164	21	7	15	8	1/4	74	8431 0374 24
EP7PTS30 HR42-RE	M8	1/4[b]	16-31	12-23	5700[c]	1.4	3.0	175	26	8	17	10	1/4	77	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	77	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	77	8431 0374 55
EP8PTS55 HR10-RE	M8-10	3/8	30-55	22-40	7300[c]	1.4	3.0	176	26	9	19	10	1/4	77	8431 0374 60
EP10PTS90 HR13-RE	M10-12	1/2	50-90	37-66	5200[c]	1.8	4.0	193	29	11	23	10	1/4	83	8431 0374 80
EP12PTS150 HR13-RE	M12-14	1/2	85-150	63-110	4200[c]	2.5	5.5	201	34	13	27	13	3/8	83	8431 0374 90
EP14PTS250 HR20-RE	M12-16	3/4	125-250	92-185	4000[c]	3.3	7.2	216	37	20	42	13	3/8	82	8431 0374 95
EP18PTS450 HR20-RE	M16-20	3/4	225-450	166-332	3000[c]	4.3	9.5	202	42	22	46	13	3/8	85	8431 0374 98
Pistol grip Air-on-Top models. ErgoPulse 7-10PTS[d]															
EP7PTS35 HRF10-RE	M8	3/8	18-35	13-26	5700[c]	1.4	3.0	176	31	8	17	10	1/4	77	8431 0374 41
EP8PTS55 HRF10-RE	M8-10	3/8	30-55	22-40	7300[c]	1.4	3.0	176	31	9	19	10	1/4	77	8431 0374 61
EP10PTS90 HRF13-RE	M10-12	1/2	50-90	37-66	5200[c]	1.8	4.0	193	34	11	23	10	1/4	83	8431 0374 81
AUTOTRIM															
Pistol grip models. ErgoPulse 6PTS[d]															
EP6PTS20 HR42-AT	M6	1/4[b]	8-20	6-15	3500[e]	1.0	2.2	196	21	7	15	8	1/4	74	8431 0374 16
EP6PTS22 HR10-AT	M6	3/8	10-22	7-16	3500[e]	1.0	2.2	191	21	7	15	8	1/4	74	8431 0374 21
Pistol grip models. Balanced grip. ErgoPulse 5-18PTS[d]															
EP5PTS13 HRX42-AT	M6	1/4[b]	6-13	4-10	3600[e]	1.0	2.2	164	21	6	13	8	1/4	74	8431 0374 07
EP5PTS15 HRX10-AT	M6	3/8	7-15	5-11	3600[e]	1.0	2.2	164	21	6	13	8	1/4	74	8431 0374 02
EP6PTS25 HRX42-AT	M6-8	1/4[b]	13-25	10-18	3600[e]	1.0	2.2	164	21	7	15	8	1/4	74	8431 0374 17
EP6PTS28 HRX10-AT	M6-8	3/8	15-28	11-21	3600[e]	1.0	2.2	164	21	7	15	8	1/4	74	8431 0374 23
EP7PTS30 HR42-AT	M8	1/4[b]	16-31	12-23	3600[e]	1.4	3.0	175	26	8	17	10	1/4	77	8431 0374 37
EP7PTS35 HR10-AT	M8	3/8	18-35	13-26	3600[e]	1.4	3.0	176	26	8	17	10	1/4	77	8431 0374 42
EP8PTS40 HR42-AT	M8	1/4[b]	22-40	16-29	4000[e]	1.4	3.0	175	26	9	19	10	1/4	77	8431 0374 57
EP8PTS55 HR10-AT	M8-10	3/8	30-55	22-40	3900[e]	1.4	3.0	176	26	9	19	10	1/4	77	8431 0374 62
EP10PTS90 HR13-AT	M10-12	1/2	50-90	37-66	3400[e]	1.8	4.0	193	29	11	23	10	1/4	83	8431 0374 82
EP12PTS150 HR13-AT	M12-14	1/2	85-150	63-110	2800[e]	2.5	5.5	201	34	13	27	13	3/8	83	8431 0374 92
EP14PTS250 HR20-AT	M12-16	3/4	125-250	92-185	2200[e]	3.3	7.2	216	37	20	42	13	3/8	82	8431 0374 97
EP18PTS450 HR20-AT	M16-20	3/4	225-450	166-332	1900[e]	4.3	9.5	202	42	22	46	13	3/8	85	8431 0374 99
Pistol grip Air-on-Top models. ErgoPulse 7-10PTS[d]															
EP7PTS35 HRF10-AT	M8	3/8	18-35	13-26	3600[e]	1.4	3.0	176	31	8	17	10	1/4	77	8431 0374 43
EP8PTS55 HRF10-AT	M8-10	3/8	30-55	22-40	4000[e]	1.4	3.0	176	31	9	19	10	1/4	77	8431 0374 63
EP10PTS90 HRF13-AT	M10-12	1/2	50-90	37-66	3400[e]	1.8	4.0	193	34	11	23	10	1/4	83	8431 0374 83

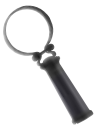
[a] To be used as a guide only, final torque depends on type of joint, accessories used and air pressure.
[b] Female hexagon drive. Quick change chuck.
[c] With TRIM valve fully open.
[d] Approximate maximum torque included in designation.
[e] In reduced speed mode.

ErgoPulse non shut-off type

Model	Bolt size mm	Square drive size in	Recommended torque range[a] Nm	ft lb	Free speed r/min	Weight kg	lb	Length mm	Distance centre to side mm	Air consumption under load l/s	cfm	Recommended hose size mm	Air inlet thread in	Sound level dB(A)	Ordering No.
Air-on-Top models															
EP5C HRF42	M5	1/4[b]	5-9	4-7	4800	1.1	2.4	201	25	6	13	8	1/4	70	8431 0260 23
EP6C HRF42	M6	1/4[b]	9-16	7-12	4800	1.2	2.6	226	25	6	13	8	1/4	70	8431 0260 30
EP8X HRF42	M8	1/4[b]	18-30	13-22	9000	1.2	2.6	184	25	6	13	8	1/4	70	8431 0360 97
EP8X HRF10	M8	3/8	20-35	15-26	9000	1.2	2.6	184	25	6	13	8	1/4	77	8431 0360 89
Straight models															
EP4C SR42	M4	1/4[b]	2-4	1-3	8200	0.8	1.8	255	19	2.5	5	6	1/4	70	8431 0350 02
EP5C SR42	M5	1/4[b]	4-8	3-6	10500	0.9	2.0	238	20	5	10	8	1/4	72	8431 0261 14
EP6C SR42	M6	1/4[b]	8-13	6-9	10500	1.0	2.2	263	20	5	10	8	1/4	72	8431 0261 22
EP6XS SR42	M6	1/4[b]	9-19	6-14	8000	0.7	1.5	219	22	7	15	8	1/4	74	8431 0372 27
EP6XS SR10	M6	3/8	10-20	7-15	8000	0.7	1.5	221	22	7	15	8	1/4	74	8431 0372 25
EP7XS SR42	M8	1/4[b]	17-28	13-21	10000	0.7	1.5	219	22	8	17	8	1/4	74	8431 0372 15
EP7XS SR10	M8	3/8	20-31	15-23	10000	0.7	1.5	221	22	8	17	8	1/4	74	8431 0372 05
EP8XS SR42	M8	1/4[b]	22-40	16-29	8000	0.9	2.0	242	24	9	19	8	1/4	78	8431 0369 30
EP8XS SR10	M8-10	3/8	30-52	22-38	8000	0.9	2.0	244	24	9	19	8	1/4	78	8431 0369 20
Pistol grip models															
EP5C HR42	M5	1/4[b]	5-9	4-7	4800	1.0	2.2	225	22	6	13	8	1/4	70	8431 0260 15
EP5XS HR42	M5-6	1/4[b]	5-12	4-9	8500	0.8	1.8	165	21	9	19	8	1/4	75	8431 0372 30
EP5CS HR42	M5-6	1/4[b]	8-16	6-12	4800	1.0	2.2	225	22	6	13	8	1/4	70	8431 0260 17
EP6C HR42	M6	1/4[b]	9-16	7-12	4800	1.1	2.4	250	22	6	13	8	1/4	70	8431 0262 13
EP6XS HR42	M6	1/4[b]	9-19	6-14	8000	0.8	1.8	150	22	7	15	8	1/4	75	8431 0372 23
EP6XS HR10	M6	3/8	10-20	7-15	8000	0.8	1.8	152	22	7	15	8	1/4	75	8431 0372 20
EP6PS HR42	M8	1/4[b]	[c]-28	[c]-21	8000	0.8	1.8	150	21	9	19	10	1/4	74	8431 0368 22
EP6PS HR10	M8	1/4	[c]-30	[c]-22	8000	0.8	1.8	150	21	9	19	10	1/4	74	8431 0368 21
EP7XS HR42	M8	1/4[b]	17-28	13-21	9000	0.8	1.8	150	22	8	17	8	1/4	75	8431 0372 10
EP7XS HR10	M8	3/8	20-31	15-23	9000	0.8	1.8	152	22	8	17	8	1/4	75	8431 0372 00
EP8XS HR42	M8	1/4[b]	22-40	16-29	7000	1.0	2.0	172	23	9	19	10	1/4	80	8431 0369 12
EP8XS HR10	M8-10	3/8	30-52	22-38	7000	1.0	2.0	174	23	9	19	10	1/4	80	8431 0369 05
EP10C HR13	M10	1/2	42-70	31-52	7500	2.0	4.4	163	27	7	15	8	1/4	79	8431 0365 01
EP10XS HR13	M10	1/2	50-70	37-52	6000	1.3	2.9	168	26	11	23	10	1/4	78	8431 0369 40
EP12XS HR13	M12	1/2	65-110	48-81	4500	1.6	3.5	178	29	12	25	10	1/4	79	8431 0371 00
EP14XS HR13	M14	1/2	110-160	81-118	3500	2.4	5.3	188	34	14	30	13	3/8	79	8431 0371 50
EP16XS HR20	M16	3/4	160-240	118-177	2800	3.3	7.3	205	37	15	32	13	3/8	81	8431 0371 55
EP20XS HR20	M20	3/4	300-400	221-295	3700	5.1	11.2	240	43	16	34	13	3/8	80	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.

Optional accessories

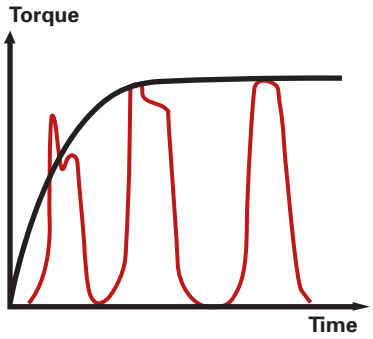


Pistol grip models	Protective cover	Support handle
EP6/7XS HR	4250 2089 00	
EP8XS HR	4250 1895 00	
EP10XS HR	4250 1784 00	
EP12XS HR	4250 2459 00	
EP14XS HR	4250 2160 00	
EP16XS HR	4250 2282 00	
EP20XS HR	4250 2288 00	Included
EP5/6PT/PTS HR	4250 2393 00	
EP5/6PTS HRX	4250 2423 00	
EP7/8PT/PTS HR	4250 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	4250 2396 90

For complete information, see spare parts list.

Torque measurement for pulse tools

In pulse tools torque can be measured statically with a torque wrench (the most common method), or dynamically during tightening, using an in-line torque transducer and an instrument.



Readings from the third pulse onwards are more accurate.

Static torque measurement
Advantages:
- Simplicity, you measure on the joint after tightening
- Recognized and accepted method
- Recommended

Dynamic torque measurement
Advantages:
- Fast
- Easy-to-record torque data

Always take a static reference measurement. Normally a filtering frequency of around 1,500 Hz is recommended. The instrument should be designed for pulse tool use.

For more information see the Atlas Copco Pocket Guide to Pulse Tools (ordering no. 9833 1225 01).

Note: with the torque wrench MRTT and ACTA 3000 (software 2.xx) you can measure the installed torque eliminating the peak reading caused by the static friction.

Servicing is easy

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

Main parts included:
- Vane kit
- O-rings
- Motor bearings
- Circlips
- Gaskets
- Pins, etc.

Check your oil! To ensure optimum performance, the oil in the pulse unit should be changed regularly. It is important that the correct amount of oil is used. With Atlas Copco's Oil Filling Kit (ordering no. 4081 0121 90), you can do the job quickly and simply.

Selected service kit to order

Model	O-ring kit pulse unit	Service kit
EP5C/6C SR		4081 0110 90
EP5C/6C HR		4081 0111 90
EP10C HR		4081 0115 90
EP5XS	4210 2532 93	4081 0264 90
EP6/7XS HR	4250 2084 90	4081 0188 90
EP6/7XS SR	4250 2084 90	4081 0189 90
EP8XS HR	4250 2085 90	4081 0119 90
EP8XS SR	4250 2085 90	4081 0190 90
EP10XS HR	4250 2086 90	4081 0191 90
EP12XS HR	4250 2087 90	4081 0192 90
EP14XS HR	4250 2170 90	4081 0200 90
EP16XS HR	4250 2281 90	4081 0223 90
EP20XS HR	4250 2281 91	4081 0245 90
EP6PS HR	4250 2058 91	4081 0274 90
EP5/6PT HR	4250 2058 90	4081 0122 90
EP5/6PT SR	4250 2058 90	4081 0123 90
EP7/8PT HR	4250 2059 90	4081 0120 90
EP7/8PT SR	4250 2059 90	4081 0198 90
EP10PT HR	4250 2060 90	4081 0124 90
EP12PT HR	4250 2061 90	4081 0125 90
EP5/6PTS HR	4250 2058 90	4081 0122 90
EP5/6PTS HRX	4250 2058 90	4081 0252 90
EP7/8PTS HRF	4250 2267 91	4081 0225 90
EP10PTS HRF	4250 2267 90	4081 0222 90
EP12PTS HR	4250 2267 92	4081 0226 90
EP14PTS HR	4250 2267 93	4081 0242 90
EP18PTS HR	4250 2267 94	4081 0256 90

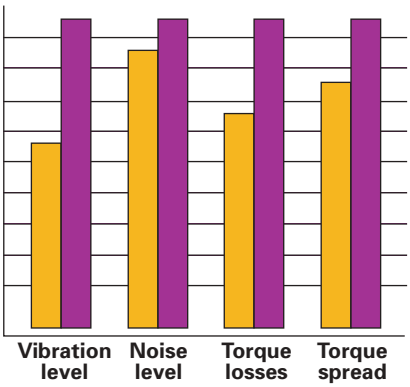
For complete information, see spare parts list.

Atlas Copco guided sockets and extensions

Specially designed for ErgoPulse nutrunners, Atlas Copco guided sockets and extensions provide deep engagement over the anvil bringing tool and attachment together as "one unit". They give quality, ergonomic and cost-saving benefits.

- Improved accuracy
- Improved torque transfer
- Reduced vibration and noise levels
- Reduced operator fatigue
- Extended tool and attachment life

Don't just feel the power – use it!



Guided extension **Standard extension**
(Test made with 150 mm extensions.)

Extensions

Available for ErgoPulse models	Square drive in	Diameter of outgoing spindle mm	Length mm	Marking	Ordering No.
6-8XS and 5-8 PT/PTS	3/8	13	100	EP10-13-100	4023 3600 00
	3/8	13	150	EP10-13-150	4023 3601 00
	3/8	13	200	EP10-13-200	4023 3611 00
	3/8	13	250	EP10-13-250	4023 3612 00
	3/8	13	300	EP10-13-300	4023 3613 00
10C and 10/12XS	1/2	16	100	EP13-16-100	4026 3602 00
	1/2	16	150	EP13-16-150	4026 3603 00
	1/2	16	200	EP13-16-200	4026 3604 00
	1/2	16	250	EP13-16-250	4026 3614 00
	1/2	16	300	EP13-16-300	4026 3615 00
14XS and 10/12PT/PTS	1/2	18	100	EP13-18-100	4026 3605 00
	1/2	18	150	EP13-18-150	4026 3606 00
	1/2	18	200	EP13-18-200	4026 3607 00
	1/2	18	250	EP13-18-250	4026 3616 00
	1/2	18	300	EP13-18-300	4026 3617 00
16XS/20XS and 14PTS/18PTS	3/4	25	100	EP20-25-100	4023 3608 00
	3/4	25	150	EP20-25-150	4023 3609 00
	3/4	25	200	EP20-25-200	4023 3610 00
	3/4	25	250	EP20-25-250	4023 3618 00
	3/4	25	300	EP20-25-300	4023 3619 00

NEW!

Sockets

Available for ErgoPulse models	Square drive in	Width across flats mm/in	Diameter of outgoing spindle mm	Marking	Ordering No.
Metric sockets					
6-8XS and 5-8PT/PTS	3/8	10	13	EP-10-13	4026 4210 00
	3/8	13	13	EP-13-13	4026 4213 00
	3/8	16	13	EP-16-13	4026 4216 00
	3/8	17	13	EP-17-13	4026 4217 00
	3/8	18	13	EP-18-13	4026 4218 00
14XS and 10/12PT/PTS	1/2	13	18	EP-13-18	4026 4313 00
	1/2	16	18	EP-16-18	4026 4316 00
	1/2	17	18	EP-17-18	4026 4317 00
	1/2	18	18	EP-18-18	4026 4318 00
	1/2	24	18	EP-24-18	4026 4324 00
16XS/20XS and 14PTS/18PTS	3/4	18	25	EP-18-25	4026 4418 00
	3/4	24	25	EP-24-25	4026 4424 00
	3/4	30	25	EP-30-25	4026 4430 00
UNC/UNF-sockets					
6-8XS and 5-8PT/PTS	3/8	7/16	13	E7/16-13	4026 4211 00
	3/8	1/2	13	EP1/2-13	4026 4212 00
	3/8	9/16	13	EP9/16-13	4026 4214 00
	3/8	3/4	13	EP3/4-13	4026 4219 00
14XS and 10/12PT/PTS	1/2	1/2	18	EP1/2-18	4026 4312 00
	1/2	9/16	18	EP9/16-18	4026 4314 00
	1/2	3/4	18	EP3/4-18	4026 4319 00
	1/2	15/16	18	EP15/16-18	4026 4323 00
16X	3/4	3/4	25	EP3/4-25	4026 4419 00
16XS, 20XS	3/4	15/16	25	EP15/16-25	4026 4423 00
14PTS, 18PTS	3/4	1 1/8	25	EP1 1/8-25	4026 4429 00

NEW!

Quick change chuck

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

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