



**INDUSTRIAL TOOLS FOR
FABRICATION AND MAINTENANCE**

Atlas Copco

SUSTAINABLE PRODUCTIVITY FOR HEAVY INDUSTRY WORLDWIDE

Atlas Copco power tools are frequently used for fabrication and maintenance operations in industrial sectors, such as foundries, metal fabrication, mining, offshore and rail.

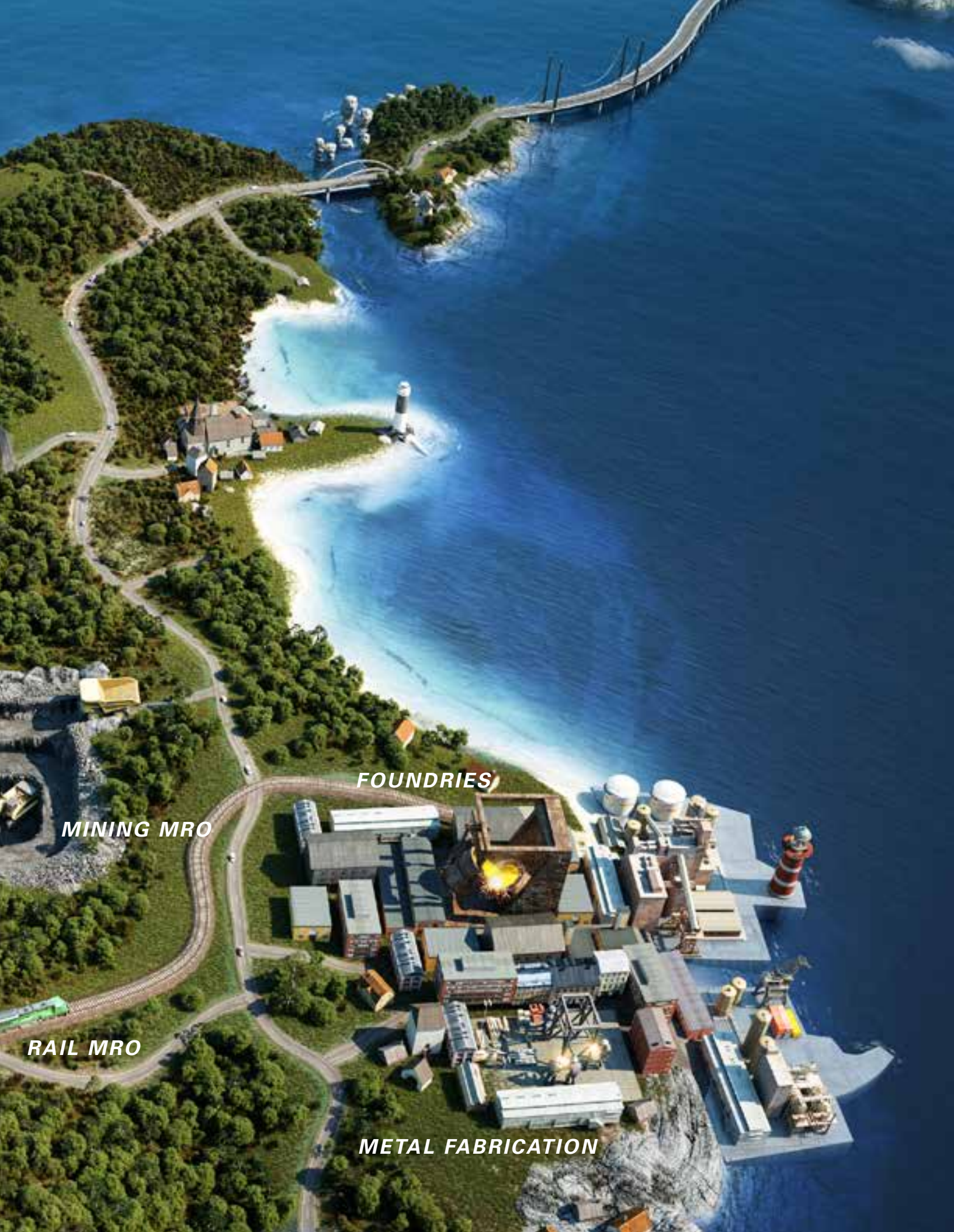
We are leading the way within tool technology. Our tools offer outstanding power-to-weight ratios designed for maximum performance without sacrificing operator comfort and safety.

Most important of all, they are designed to help you achieve sustainable productivity with lowest possible operating costs.

OFFSHORE

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FOUNDRIES

MINING MRO

RAIL MRO

METAL FABRICATION



AMI

A close-up photograph of a welder wearing a dark protective helmet and a heavy-duty, olive-green work jacket. The welder is using a bright yellow power tool, likely a grinder or sander, on a metal component. The background is a blurred industrial setting.

METAL FABRICATION

SHAPING THE FUTURE

Cutting, bending, and assembling. Shaping metals to perfection includes an extensive range of different techniques. The steady growing business with increasing demand for quality and shorter delivery times require processes and tools that keep delivering, with repeatable quality. From blacksmiths in the days, in today's aerospace and automotive industry to whatever the future brings. From the small details to the big picture.



A large industrial ladle is tilted, pouring a thick stream of bright orange molten metal into a mold. The background shows a dark industrial setting with metal structures and walkways. In the foreground, a large amount of bright yellow sparks is being generated from the base of the mold, creating a dramatic and intense scene.

FOUNDRIES

TAMING FIRE

The art of molding, casting and controlling liquid metal has given us benefits since thousands of years BC. Modern day foundries build upon the same principles. And just as in any other business there is an increasing demand to produce more, bigger and better. Not an easy task in rough conditions as in a foundry. Taming fire, or plainly getting the job done.



MINING MRO

BREAKING GROUND

From prehistoric times, no matter what earth has had to offer – stone, salt, gold – we have been mining. And we will keep on mining. Extracting valuables from the ground, using better tools and techniques as we move forward. Working conditions on a mining site are often extremely rough. This places high demands on vehicles, operators and tools. And if you want to be a part of this fascinating business – you really need to be groundbreaking.







OFFSHORE

WHEN THE GOING GETS TOUGH

Man has always wanted to explore, trade and expand – we started by foot and then found courage, and the means to conquer the sea. This curiosity had us building ships ever since the end of the ice age. Many things have changed since then, but the innovative strive remains. Constructed near tidal rivers and by the sea – dockyards are full of history, very much in the present and aiming for the future, whether you are building an oil platform or a LNG carrier.





RAIL MRO

TAKING IT FURTHER

Ever since the first railway system appeared in 1820, progress has brought us reliable speed and endurance. From traditional horse power to pure machine power – taking it further than ever. The increasing focus on rail-bound transportation has resulted in higher production levels and new demands for everyone in the business. This is where a trail becomes a track, and a vision becomes a rail.



MATERIAL REMOVAL TOOLS

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Rough Grinding and Cutting off









Working in a tough environment places high demands on the tools and on the operator. The high power-to-weight ratios of our tools make them comfortable to work with and gives you a superior material removal rate with minimum effort. They are powerful and built to last.

Our tools are available in all sizes and power outputs. Whether it's a small, one-handed angle grinder or a 4.5 kW machine, both offer you superior productivity. Our range of grinders includes both vertical and straight versions to cover all needs in a rough grinding environment.

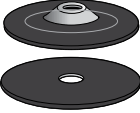

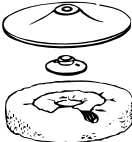

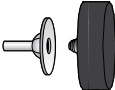
DIE GRINDING AND DEBURRING

- 1 Carbide burrs 
- 2 Mounted points 

ROUGH GRINDING AND CUTTING OFF

- 3 Depressed center wheels 
- 4 Cut off wheels 
- 5 Cup wheels 
- 6 Flap wheels 
- 7 Straight wheels 
- 8 Cone wheels 

SANDING AND POLISHING

- 9 Fibre discs 
- 10 Wire brushes 
- 11 Polishing bonnets 
- 12 Radial flap wheels 
- 13 Scotch-Brite 

Grinders

*Extreme productivity
for cut-off and depressed center wheels*



GTG25



LSV48



GTG40



LSS64

Extreme productivity grinders are suitable for all rough and heavy grinding tasks.

Our **GTG** models are powered by a motor with the latest turbine technology which gives extremely high power-to-weight ratios compared to normal vane motors. This means that you can select a lighter, more compact tool without sacrificing the material removal rate.

Compared to a vane motor, a turbine motor provides up to 40 percent more efficiency for the same specific job and at the same time reduces the total energy consumption.

LSV grinders have been optimized to get the highest power-to-weight ratio available for conventional vane motors.

They are developed to be durable with low service requirements.

LSS vertical grinders have a robust design and are suitable for rough grinding on open surfaces and cutting off operations.

All the tools are fitted with a speed governor as standard to ensure optimum process speed at all times.

Selected models offer an Autobalancer as standard that reduces unbalanced forces and, in turn, vibrations.

| Model | Max free speed [r/min] | Max output [hp] | Max wheel dia [in] | Spindle thread | Spindle length [in] | Weight [lb] | Height over spindle [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | auto-balancer | Air inlet thread NPT [in] | Ordering No |
|-------------------------|------------------------|-----------------|--------------------|----------------|---------------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|---------------|---------------------------|--------------|
| GTG25 F120-527 | 12000 | 3.3 | 5" | UNC 5/8" | 0.9 | 5.1 | 2.3 | 68 | 19 | 5/8" | • | 3/8" | 8423 2525 06 |
| GTG25 F085-727 | 8500 | 3.3 | 7" | UNC 5/8" | 0.9 | 5.3 | 2.3 | 68 | 19 | 5/8" | • | 3/8" | 8423 2525 07 |
| GTG40 S077-727 | 7700 | 6.1 | 7" | UNC 5/8" | 0.9 | 9.5 | 5.2 | 126 | 42 | 5/8" | • | 1/2" | 8423 0715 09 |
| GTG40 S060-727 | 6000 | 6.1 | 7" | UNC 5/8" | 0.9 | 9.5 | 5.2 | 126 | 42 | 5/8" | • | 1/2" | 8423 0715 07 |
| GTG40 S060-927 | 6000 | 6.1 | 9" | UNC 5/8" | 0.9 | 9.5 | 5.2 | 126 | 42 | 5/8" | • | 1/2" | 8423 0715 05 |
| LSV48 SA085-727 | 8500 | 2.5 | 7" | UNC 5/8" | 1.0 | 6.2 | 3.4 | 76 | 36 | 5/8" | • | 1/2" | 8423 0707 52 |
| LSV48 SA120-527 | 12000 | 2.5 | 5" | UNC 5/8" | 1.0 | 5.5 | 3.4 | 76 | 36 | 5/8" | • | 1/2" | 8423 0707 53 |
| LSV48 SA066-727 | 6600 | 2.5 | 7" | UNC 5/8" | 1.0 | 6.2 | 3.4 | 76 | 36 | 5/8" | • | 1/2" | 8423 0707 54 |
| Vertical grinder | | | | | | | | | | | | | |
| LSS64 S085-727 | 8500 | 3.5 | 7" | UNC 5/8" | 1.1 | 10.4 | 7.9 | 106 | 28 | 5/8" | - | 1/2" | 8423 2522 70 |
| LSS64 S060-927 | 6000 | 3.0 | 9" | UNC 5/8" | 1.1 | 12.6 | 7.9 | 85 | 19 | 5/8" | - | 1/2" | 8423 2522 74 |

Accessories

| Accessories Extreme Productivity Grinders | GTG25 | GTG40 | LSS64 | LSV48 |
|--|--------------|--------------|--------------|--------------|
| Back flange ANSI 5" | 4175 0644 00 | - | - | 4150 1731 00 |
| Back flange ANSI 7" | 4175 0646 00 | - | 4170 0448 00 | 4170 0448 00 |
| Back flange ANSI 9" | - | - | 4170 0219 00 | - |
| Flange nut | 4175 0645 00 | - | 4170 0220 01 | 4170 0220 01 |
| Flange locking kit | 4170 1188 94 | - | 4170 1188 90 | 4170 1188 94 |
| Flange cut off wheel 7" | 4175 0645 02 | - | - | - |
| Washer 5" | 4175 0643 00 | - | - | 4170 0220 01 |
| Washer 7" | 4175 0643 02 | - | - | 4170 0220 01 |
| Attachment set | - | 4170 1148 80 | - | - |
| Support handle | 4175 0705 90 | 4110 1355 88 | 4170 0619 00 | 4175 0868 82 |
| Vibration damped handle | 4150 1521 80 | 4150 1521 80 | 4150 1521 80 | 4150 1521 80 |
| Positioner for support handle | - | 4175 0164 90 | - | - |
| Spot suction for diamond cutting wheel | | | | |
| Kit Ø 180 mm | 3780 4090 35 | - | - | - |
| Spot suction kit for depressed center wheel | | | | |
| Kit Ø 180 mm | 3780 4090 30 | - | - | - |
| Add on spot suction spot suction | | | | |
| Ø 125 mm | 3780 4032 14 | - | - | - |
| Ø 180-230 mm | 3780 4032 12 | 3780 4032 12 | 3780 4032 12 | - |
| Diamond cutting wheel | | | | |
| Ø5" | 3780 5074 61 | - | - | 3780 5074 61 |
| Ø7" | 3780 5074 62 | 3780 5074 62 | 3780 5074 62 | 3780 5074 62 |
| Multiflex | | | | |
| | 8202 1350 28 | 8202 1350 62 | 8202 1350 62 | 8202 1350 62 |

*For LSV48 SA 085, 8423 0132 02, see Sanders pages



Spot suction depressed center wheel



Add on spot suction

**NEED BETTER
AIR FLOW?**

Check out our full range of Air Line accessories in chapter Air Line Installation.

Grinders

for cut-off and depressed center wheels, dia. 3"-7"



LSV38

These grinders are used for general purpose grinding and cutting off in applications with high demands on productivity and ergonomics.

LSV 19/28/38 grinders are ergonomically designed tools with high power-to-weight ratios. They can be used as one-handed angle grinders. Low vibrations and low noise levels mean that you can work with them all day without strain.

LSS 53 vertical grinders have a robust design and are suitable for rough grinding on open surfaces and cutting off operations.

All tools are fitted with a speed governor as standard to ensure optimum process speed at all times. LSV38 models also include a version with an Autobalancer.



LSV19



LSV28

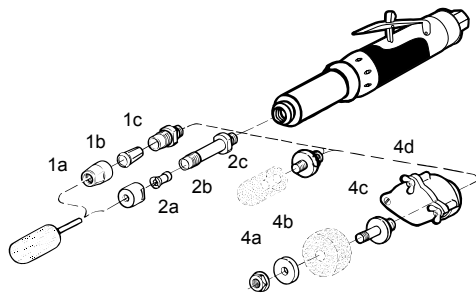
| Model | Max free speed [r/min] | Max output [hp] | Max wheel dia [in] | Spindle thread | Spindle length [in] | Weight [lb] | Height over spindle [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT [in] | Ordering No |
|-----------------|------------------------|-----------------|--------------------|----------------|---------------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|---------------------------|--------------|
| LSV19 S170-327 | 17000 | 0.6 | 3" | UNF 3/8" | 0.7 | 1.6 | 2.8 | 23 | 14 | 3/8" | 1/4" | 8423 0705 80 |
| LSV28 ST13-427E | 13000 | 1 | 4" | UNF 3/8" | 0.7 | 3.7 | 3.1 | 37 | 16 | 3/8" | 3/8" | 8423 0706 00 |
| LSV28 ST12-427 | 12000 | 1 | 4" | UNF 3/8" | 0.7 | 3.7 | 3.2 | 37 | 16 | 1/2" | 3/8" | 8423 0706 01 |
| LSV38 ST12-427 | 12000 | 1.7 | 4" | UNF 3/8" | 0.9 | 4.0 | 3.3 | 58 | 31 | 1/2" | 3/8" | 8423 0700 20 |
| LSV38 ST12-527 | 12000 | 1.7 | 5" | UNC 5/8" | 0.9 | 4.0 | 3.3 | 58 | 31 | 1/2" | 3/8" | 8423 0700 22 |

Accessories

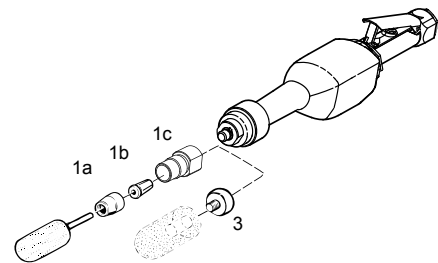
| Accessories Grinders | LSV19 | LSV28 | LSV28 extended | LSV38 | See illustration |
|-------------------------|--------------|--------------|----------------|--------------|------------------|
| Back flange ANSI 5" | - | - | - | 4150 1731 00 | 2 |
| Back flange ANSI 4" | - | 4150 1491 00 | 4150 1982 21 | 4150 1491 00 | 2 |
| Flange nut 5" | - | - | - | 4170 0220 01 | 6 |
| Flange nut 4" | - | 4150 1492 00 | 4150 1982 22 | - | 4 |
| Flange nut kit | 4150 1158 80 | - | - | - | 1 |
| Flange nut cut off | - | - | 4150 1982 22 | 4150 1160 00 | 5 |
| Flange locking kit 5" | - | - | - | 4170 1188 92 | |
| Washer threaded discs | - | - | - | 4175 0879 80 | 7 |
| Support handle | - | - | - | 4175 0868 80 | |
| Vibration damped handle | - | - | - | 4150 1521 80 | |
| Multiflex | 8202 1350 26 | 8202 1350 28 | 8202 1350 28 | 8202 1350 30 | |

*Only for LSV38 D120, 8423 0800 02

LSR28, ST13-427E/38-CW



LSR48



Productivity Kits

| Model | Air inlet BSP | Economical air flow | Max hose, 5 m | Coupling | Lubrication | Ordering No. |
|---|---------------|---------------------|---------------|------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | 3/8" | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 14 |
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | - | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 15 |
| MIDI Optimizer F/RD EQ10-T13 | 3/8" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 17 |
| MIDI Optimizer F/R EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | No | 8202 0850 04 |
| MIDI Optimizer F/RD EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 13 |
| MIDI Optimizer F/RD EQ10-T16 | 1/2" | 31 l/s | Turbo 16 mm | ErgoQIC 10 | Yes | 8202 0850 12 |

Grinders

for cup wheels & wire brushes



GTG40

For rough grinding on open surfaces with cup wheels or wire brushes. Applications of this type call for tools with high power outputs.

GTG40 is powered by a turbine motor, which gives an extremely high power-to-weight ratio compared to a vane motor. In addition, the efficiency of a turbine motor is much higher and reduces energy consumption for the same specific job by up to 40% compared to a conventional vane grinder.

LSS vertical grinders have a rigid design that gives reliability and long service intervals.

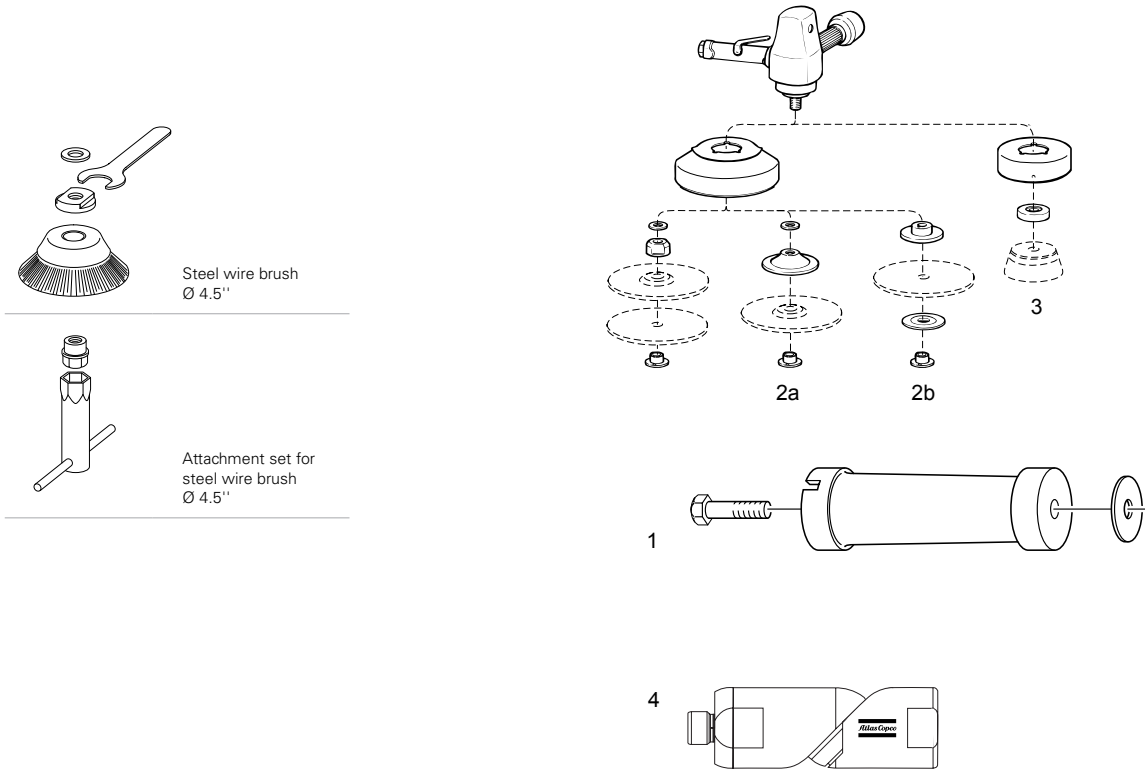


LSS64

| Model | Max free speed r/min | Max output hp | Max cup wheel dia | Max brush dia in | Spindle thread | Spindle length in | Weight lb | Height over spindle in | Air consumption at max output cfm | Air consumption at free speed cfm | Rec hose size in | Air inlet thread NPT in | Ordering No |
|----------------|----------------------|---------------|-------------------|------------------|----------------|-------------------|-----------|------------------------|-----------------------------------|-----------------------------------|------------------|-------------------------|--------------|
| GTG40 S060-611 | 6000 | 6.1 | 6" | 5 1/2" | UNC 5/8" | 0.9 | 10.1 | 5.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 00 |
| GTG40 S060-700 | 6000 | 6.1 | - | 5 1/2" | UNC 5/8" | 0.9 | 7.9 | 5.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 03 |
| GTG40 F072-611 | 7200 | 6.1 | 5" | 5 1/2" | UNC 5/8" | 0.9 | 10.0 | 5.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 20 |
| LSS64 S060-C6 | 6000 | 3.0 | 6" | 5 1/2" | UNC 5/8" | 1.1 | 11.0 | 7.9 | 85 | 19 | 5/8" | 1/2" | 8423 2522 72 |

Accessories

| Accessories Grinders | LSS64 | GTG40 | See illustration |
|--|--------------|--------------|------------------|
| Support handle | 4170 0619 00 | 4110 1355 88 | 1 |
| vibration damped handle | 4150 1521 80 | 4150 1521 80 | - |
| Attachment set for cup wheel with plane hole | - | 4175 0178 90 | - |
| Attachment set for Ø4 1/2" wire brush | 4170 0459 81 | - | - |
| Steel wire brush Ø4 1/2" for 5/8" spindle | 4170 0491 00 | - | - |
| wheel friction plate | - | 4175 0186 90 | - |
| | | | - |
| Multiflex | 8202 1350 62 | 8202 1350 62 | 2a |



Productivity Kits

| Model | Air inlet BSP | Economical air flow | Max hose, 5 m | Coupling | Lubrication | Ordering No. |
|---|---------------|---------------------|---------------|------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | 3/8" | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 14 |
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | - | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 15 |
| MIDI Optimizer F/RD EQ10-T13 | 3/8" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 17 |
| MIDI Optimizer F/R EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | No | 8202 0850 04 |
| MIDI Optimizer F/RD EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 13 |
| MIDI Optimizer F/RD EQ10-T16 | 1/2" | 31 l/s | Turbo 16 mm | ErgoQIC 10 | Yes | 8202 0850 12 |
| MAXI F/R C-T16 | 1/2" | 43 l/s | Turbo 16 mm | Claw | No | 8202 0850 05 |
| MAXI F/RD C-T20 | 1/2" | 65 l/s | Turbo 20 mm | Claw | Yes | 8202 0850 20 |

Straight Grinders

for straight wheels

Straight grinders are normally used when grinding inside larger cavities or on open surfaces.

GTR 40 is the most powerful straight grinder in our range. The power of the turbine makes it one of the best in its class.

LSR 43/48/64 tools are durable and ideal for tougher applications. The LSR 48 has an Autobalancer as standard to minimize vibrations.

LSR 28 is for lighter applications where accessibility is the first priority. A highly efficient dampening system minimizes vibration.

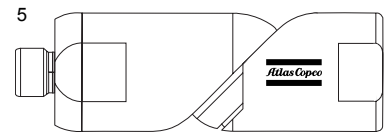
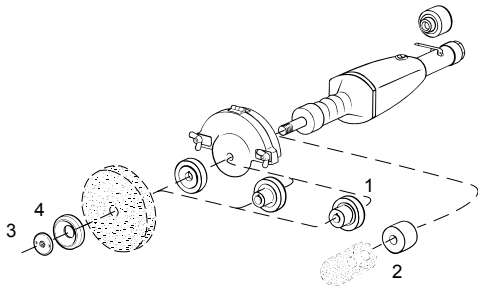


GTR40

| Model | Max free speed [r/min] | Max output [hp] | Max wheel dia [in] | Length [in] | Weight incl guard and flanges [lb] | Spindle thread | Spindle length [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT [in] | Ordering No |
|----------------|------------------------|-----------------|--------------------|-------------|------------------------------------|----------------|---------------------|-------------------------------------|-------------------------------------|--------------------|---------------------------|--------------|
| GTR40 S085-601 | 8500 | 6.1 | 6" | 22.1 | 12.3 | UNC 5/8 | 2.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 11 |
| GTR40 S072-501 | 7200 | 6.1 | 5" | 22.1 | 12.3 | UNC 5/8 | 2.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 13 |
| GTR40 S060-601 | 6000 | 6.1 | 6" | 22.1 | 12.8 | UNC 5/8 | 2.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 15 |
| GTR40 S060-801 | 6000 | 6.1 | 8" | 22.1 | 12.8 | UNC 5/8 | 2.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 17 |

Accessories

| Accessories Straight Grinders | GTR 40 | Position |
|--|--------------|----------|
| Rear flange for 3/4" - 1 1/4" x 5/8" wheel (TxH) | 4150 0619 00 | 1 |
| Rear flange for 3/4" - 1 1/4" x 3/4" wheel (TxH) | 4150 1650 00 | 1 |
| Rear flange for 3/4" - 1 1/4" x 1 1/4" wheel (TxH) | 4150 0620 00 | 1 |
| Spacer for cone wheel | 4150 0787 00 | 2 |
| MultiFlex | 8202 1350 62 | |



Productivity Kits

| Model | Air inlet BSP | Economical air flow | Max hose, 5 m | Coupling | Lubrication | Ordering No. |
|---|------------------|------------------------|---------------|------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | 3/8" | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 14 |
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | - | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 15 |
| MIDI Optimizer F/RD EQ10-T13 | 3/8" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 17 |
| MIDI Optimizer F/R EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | No | 8202 0850 04 |
| MIDI Optimizer F/RD EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 13 |
| MIDI Optimizer F/RD EQ10-T16 | 1/2" | 31 l/s | Turbo 16 mm | ErgoQIC 10 | Yes | 8202 0850 12 |
| MAXI F/R C-T16 | 1/2" | 43 l/s | Turbo 16 mm | Claw | No | 8202 0850 05 |
| MAXI F/RD C-T20 | 1/2" | 75 l/s | Turbo 20 mm | Claw | Yes | 8202 0850 20 |

Straight Grinders

for cone wheels

Straight grinders with cone wheels or collets are suitable for grinding or smoothing of edges, welds, holes and cavities.

LSR 48 is durable and ideal for tougher applications. It has an Autobalancer as standard to minimize vibrations.

LSR 38 is for lighter applications where accessibility and finish are first priority.



LSR38 CW



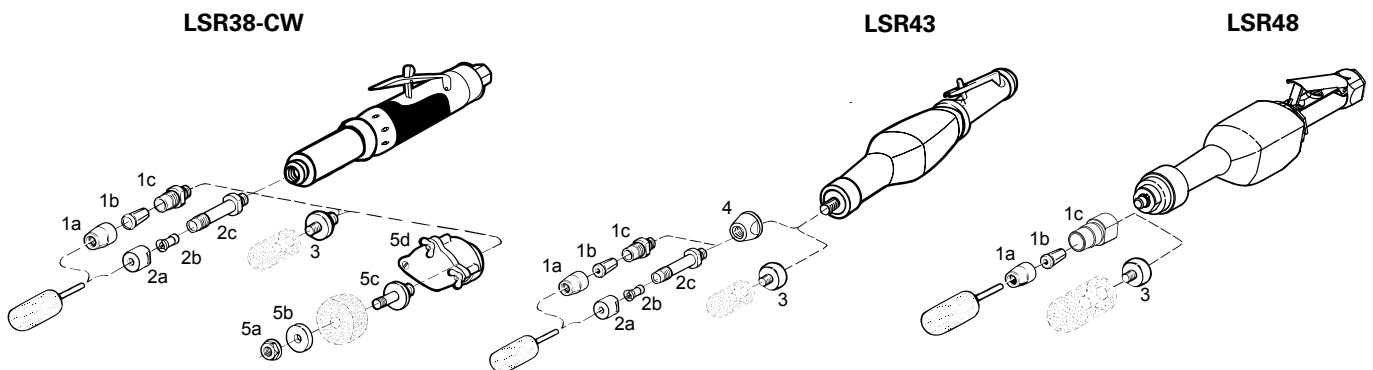
LSR48 CW

| Model | Max free speed [r/min] | Max output [hp] | Length [in] | Weight [lb] | Spindle thread | Spindle length [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT [in] | Ordering No |
|-----------------|------------------------|-----------------|-------------|-------------|----------------|---------------------|-------------------------------------|-------------------------------------|--------------------|---------------------------|--------------|
| LSR38 S120-CW/2 | 12000 | 1.7 | 12.6 | 3.5 | UNC 5/8" | 13/16" | 50 | 27 | 1/2" | 3/8" | 8423 0700 35 |
| LSR38 S150-CW | 15000 | 1.7 | 12.6 | 3.5 | UNF 3/8" | 9/16" | 50 | 27 | 1/2" | 3/8" | 8423 0700 29 |
| LSR38 S150-CW/2 | 15000 | 1.7 | 12.6 | 3.5 | UNC 5/8" | 13/16" | 50 | 27 | 1/2" | 3/8" | 8423 0700 33 |
| LSR38 S180-CW | 18000 | 1.8 | 12.6 | 3.5 | UNF 3/8" | 9/16" | 58 | 31 | 1/2" | 3/8" | 8423 0700 30 |
| LSR48 S120-CW | 12000 | 2.4 | 17.6 | 5 | UNC 5/8" | 13/16" | 64 | 28 | 5/8" | 1/2" | 8423 0708 02 |

Accessories

| Accessories Straight Grinders | LSR 38 | LSR 48 | Position |
|-----------------------------------|--------------|--------------|----------|
| Adapter for cone with with thread | | | |
| UNC/W 3/8" | 4150 0318 00 | | 3 |
| UNF 3/8" | 4150 0318 01 | | 3 |
| UNC 1/2" | 4150 1357 00 | | 3 |
| UNC/W 5/8" | 4150 0767 00 | 4150 0945 01 | 3 |
| Collet type | | | |
| Nut | 4150 0849 00 | 4150 0849 00 | 1a |
| Collet Ø 6 mm | 4150 1453 00 | 4150 1453 00 | 1b |
| Collet Ø 8 mm | 4150 0706 00 | 4150 0706 00 | 1b |
| Collet Ø 9 mm | 4150 0765 00 | 4150 0765 00 | 1b |
| Collet Ø 10 mm | 4150 0681 00 | 4150 0681 00 | 1b |
| Collet Ø 1/4" | 4150 1754 00 | 4150 1754 00 | 1b |
| Collet holder 45mm (1 3/4") | 4150 0680 00 | 4150 0680 00 | 1c |
| Collet type | | | |
| Nut | 4150 0221 00 | | 2a |
| Collet Ø 6 mm | 4150 0222 00 | | 2b |
| Collet Ø 8 mm | 4150 0325 00 | | 2b |
| Collet Ø 1/4" | 4150 0223 00 | | 2b |
| Collet holder 90 mm (3 5/9") | 4150 0441 00 | | 2c |
| Collet holder 45 mm (1 3/4") | 4150 0211 00 | | 2c |
| For use with Straight wheels | | | |
| Nut | 0266211101 | | 5a |
| Flange | 4106 5938 00 | | 5b |
| Holder for 50x19x10 mm wheels | 4150 0212 00 | | 5c |
| Holder for 50x13x10 mm wheels | 4150 1145 00 | | 5c |
| Wheel guard | 4150 1299 81 | | 5d |
| MultiFlex | 8202 1350 28 | 8202 1350 62 | |

NOTE: Adapters are not included with the tool, and need to be ordered to attach a cone wheel



Productivity Kits

| Model | Air inlet BSP | Economical air flow | Max hose, 5 m | Coupling | Lubrication | Ordering No. |
|---|---------------|---------------------|---------------|------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | 3/8" | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 14 |
| MIDI Optimizer F/RD EQ10-R13-W, incl. whip hose | - | 21 l/s | Rubair 13 mm | ErgoQIC 10 | Yes | 8202 0850 15 |
| MIDI Optimizer F/RD EQ10-T13 | 3/8" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 17 |
| MIDI Optimizer F/R EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | No | 8202 0850 04 |
| MIDI Optimizer F/RD EQ10-T13 | 1/2" | 21 l/s | Turbo 13 mm | ErgoQIC 10 | Yes | 8202 0850 13 |
| MIDI Optimizer F/RD EQ10-T16 | 1/2" | 31 l/s | Turbo 16 mm | ErgoQIC 10 | Yes | 8202 0850 12 |

Die Grinding



Atlas Copco die grinders are available in straight or angle versions in a wide range of sizes and power outputs. All the tools fulfil the highest standards and requirements in terms of ergonomics, accessibility and productivity. Like all Atlas Copco tools, they are easy to work with and built to last.

Die Grinders

up to 0.7 hp



LSF19



LSV12



LSV19



LSF07



LSF12

Die grinders are an excellent choice for high quality finishing and surface preparation in applications where accessibility is your first priority.

Atlas Copco die grinders are high quality tools with compact, ergonomic designs that offer excellent accessibility.

LSF12/19 are straight models, ergonomically designed for operator comfort and equipped with a speed governor for optimum process speed. LSF 19 models are available in scatter damping versions, which give improved life length of burrs and reduce vibrations for the operator.

LSV12/19 are angle versions with the same features as the straight models.

LSF07 is a high-speed pencil-type tool for precision grinding and polishing.

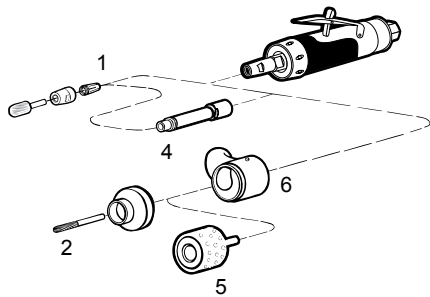
| Model | Max free speed [r/min] | Max output [hp] | Collet size [in] | Length [in] | Weight [lb] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT | Scatter damped | Ordering No |
|---------------------------------------|------------------------|-----------------|------------------|-------------|-------------|-------------------------------------|-------------------------------------|--------------------|----------------------|----------------|--------------|
| Straight die grinders | | | | | | | | | | | |
| LSF12 S200-2 | 20000 | 0.315 | 1/4" | 6.7 | 0.8 | 17.2 | 5.5 | 5/16" | 1/4" | - | 8423 0701 01 |
| LSF12 S250-2 | 25000 | 0.391 | 1/4" | 6.7 | 0.8 | 18 | 7.2 | 5/16" | 1/4" | - | 8423 0701 02 |
| LSF12 S310-2 | 31000 | 0.433 | 1/4" | 6.7 | 0.8 | 19.5 | 8.9 | 5/16" | 1/4" | - | 8423 0701 03 |
| LSF12 S400-2 | 40000 | 0.48 | 1/4" | 6.7 | 0.8 | 20.8 | 14.8 | 5/16" | 1/4" | - | 8423 0701 04 |
| LSF19 S460-2 | 46000 | 0.68 | 1/4" | 7.6 | 1.2 | 24 | 31 | 3/8" | 1/4" | ● | 8423 0703 70 |
| LSF19 S200-2 | 20000 | 0.67 | 1/4" | 7.6 | 1.2 | 20 | 7 | 3/8" | 1/4" | ● | 8423 0703 72 |
| LSF19 S300-2 | 30000 | 0.67 | 1/4" | 7.6 | 1.2 | 23 | 14 | 3/8" | 1/4" | ● | 8423 0703 71 |
| Straight extended die grinders | | | | | | | | | | | |
| LSF19 S200E-2 | 20000 | 0.67 | 1/4" | 11.5 | 1.5 | 20 | 7 | 3/8" | 1/4" | ● | 8423 0703 73 |
| LSF19 S300E-2 | 30000 | 0.67 | 1/4" | 11.5 | 1.5 | 23 | 14 | 3/8" | 1/4" | ● | 8423 0703 74 |
| Angle die grinders | | | | | | | | | | | |
| LSV12 S120-2 | 12000 | 0.326 | 1/4" | 6.54 | 1.19 | 17.6 | 6.4 | 5/16" | 1/4" | - | 8423 0701 05 |
| LSV12 S200-2 | 20000 | 0.39 | 1/4" | 6.54 | 1.19 | 20.1 | 13.6 | 5/16" | 1/4" | - | 8423 0701 06 |
| LSV19 S200-2 | 20000 | 0.6 | 1/4" | 7.3 | 1.3 | 23 | 15 | 3/8" | 1/4" | - | 8423 0703 75 |
| LSV19 S120-2 | 12000 | 0.6 | 1/4" | 7.3 | 1.3 | 23 | 15 | 3/8" | 1/4" | - | 8423 0703 76 |
| LSV19 S080-2 | 8000 | 0.5 | 1/4" | 7.3 | 1.3 | 23 | 13 | 3/8" | 1/4" | - | 8423 0703 77 |
| High speed pen | | | | | | | | | | | |
| LSF07 S850 | 88000 | 0.13 | 1/8" | 6.8 | 0.9 | 4.6 | 4.9 | 3/16" | - | - | 8423 1222 03 |

R=Rigid mount

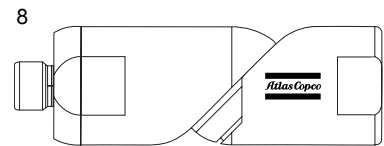
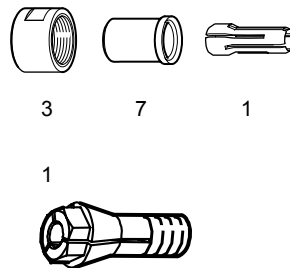
Accessories

| Accessories die grinders | LSF 07 | LSF/LSV 12 | LSF/LSV 19 | See illustration |
|---|--------------|---------------|---------------|------------------|
| Collets | | | | |
| Collet Ø 1/8" | 4150 1822 00 | 4150 2226 46 | - | 1 |
| Collet Ø 1/4" | - | 4150 2226 03 | 4112 1077 00 | 1 |
| Collet Ø 3/16" | - | 4150 2226 48 | - | 1 |
| Collet Ø 3 mm | 4150 1800 00 | - | - | 1 |
| Collet Ø 6 mm | - | 4150 2226 03 | - | 1 |
| Collar | - | 4150 2226 02 | 4112 1078 00 | 7 |
| Collet nut | - | 4150 2226 04 | 4112 1076 00 | 3 |
| For machining of plastic and fibreglass* | | | | |
| Spot suction kit burr (diamond burr not included) | - | 3780 3015 23* | 3780 3015 22* | 6 |
| Diamond burr Ø 1/4" | - | 3780 5013 70 | 3780 5013 70 | 2 |
| Spot suction kit drum (diamond drum not incl). For use with 1/4" collet | - | - | 3780 4011 61* | 6 |
| Diamond drum Ø 1 1/16" | - | - | 3780 5033 00 | 5 |
| Shaft Ø 1/4" (included in spot suction kit) | - | - | 3780 5090 30 | - |
| Locking screw for drum (included in spot suction kit) | - | - | 3780 5090 60 | - |
| MultiFlex | | 8202 1350 26 | 8202 1350 26 | 8 |

*For LSF models only.



Only for LSF/LSV12



**NEED BETTER
AIR FLOW?**

Check out our full range of Air Line accessories in chapter Air Line Installation.

Die Grinders

0.9 - 1.8 hp



LSF28

In applications where you want more power but still need accessibility, these die grinders will be your first choice.

LSF 28/38 die grinders are designed with focus on power and productivity. The tools are equipped with a speed governor for optimum process speed. They are available in scatter damping versions, which give improved life length of burrs and reduced vibrations for the operator.



LSF28 E



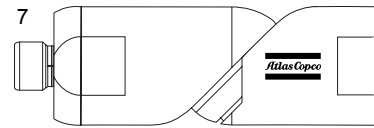
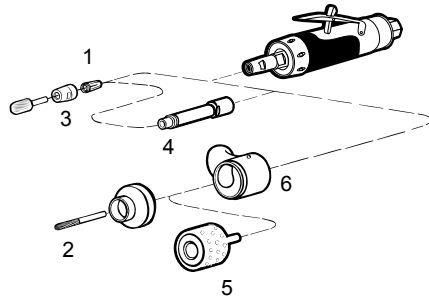
LSF38

| Model | Max free speed (r/min) | Max output (hp) | Collet size (in) | Length (in) | Weight (lb) | Air consumption at max output (cfm) | Air consumption at free speed (cfm) | Rec hose size (in) | Air inlet thread NPT (in) | Scatter damped | Ordering No. |
|---------------------------------------|------------------------|-----------------|------------------|-------------|-------------|-------------------------------------|-------------------------------------|--------------------|---------------------------|----------------|--------------|
| Straight die grinders | | | | | | | | | | | |
| LSF28 S250-2 | 25000 | 1.2 | 1/4" | 8.3 | 1.7 | 39 | 23 | 3/8" | 3/8" | • | 8423 0702 07 |
| LSF28 S180-2 LF | 18000 | 1.1 | 1/4" | 8.3 | 1.7 | 37 | 15 | 3/8" | 3/8" | • | 8423 0702 09 |
| LSF28 S150-2 LF | 15000 | 0.9 | 1/4" | 8.3 | 1.7 | 32 | 12 | 3/8" | 3/8" | • | 8423 0702 15 |
| LSF28 S120-2 LF | 12000 | 0.9 | 1/4" | 8.3 | 1.7 | 29 | 8 | 3/8" | 3/8" | • | 8423 0702 16 |
| Straight extended die grinders | | | | | | | | | | | |
| LSF28 S250E-2 | 25000 | 1.2 | 1/4" | 13.2 | 2.8 | 39 | 23 | 3/8" | 3/8" | • | 8423 0702 08 |
| LSF28 S180E-2 LF | 18000 | 1.1 | 1/4" | 13.2 | 2.7 | 37 | 15 | 3/8" | 3/8" | • | 8423 0702 10 |
| LSF38 S180E | 18000 | 1.8 | 1/4" | 13.8 | 3.3 | 58 | 31 | 1/2" | 3/8" | • | 8423 0700 28 |
| LSF38 S250E | 25000 | 1.8 | 1/4" | 13.8 | 3.3 | 58 | 53 | 1/2" | 3/8" | • | 8423 0700 31 |
| Die grinders for polishing | | | | | | | | | | | |
| LSF28 ST030-2 LF | 3000 | 0.9 | 1/4" | 10.8 | 2.6 | 38 | 18 | 3/8" | 3/8" | - | 8423 0702 22 |

R=Rigid mount

Accessories

| Accessories die grinders | LSF 28 | LSF 38 | See illustration |
|---|--------------|--------------|------------------|
| Collet Ø 1/8" | 4150 1710 00 | 4150 1710 00 | 1 |
| Collet Ø 1/4" | 4150 1709 00 | 4150 1709 00 | 1 |
| Collet Ø 3/8" | 4150 1708 00 | 4150 1708 00 | 1 |
| Collet nut | 4150 1706 00 | 4151 1706 00 | 3 |
| Collet holder | 4150 1707 00 | - | |
| For machining of plastic and fiberglass | | | |
| Spot suction kit burr (diamond burr not included) | 3780 4007 42 | - | 6 |
| Diamond burr Ø 1/4" | 3780 5013 70 | - | 2 |
| Spot suction kit drum (diamond drum not incl.). For use with 5/16" collet | 3780 4011 73 | - | 6 |
| Diamond drum Ø 2" | 3780 5035 00 | - | 5 |
| Shaft Ø 5/16" (included in spot suction kit) | 3780 5091 00 | - | - |
| Locking nut (included in spot suction kit) | 3780 5092 00 | - | - |
| Distance nut (included in spot suction kit) | 3780 5091 50 | - | - |
| MultiFlex | 8202 1350 28 | 8202 1350 30 | 7 |



Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | Yes | 8202 0850 29 |
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | Yes | 8202 0850 31 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Beveling tools



LSB

Cutting Edge Technology

Beveling gives you a sound welded joint with a good amount of weld in place for maximum strength. And it is safer, more resistant and easier on the eye. Rounded edges of metal surfaces gives you proper thickness of coatings to avoid corrosion due to moisture, air, dust and even chipping. The LSB38 is an excellent combination of power, design, durability and ergonomics for chamfering, deburring and giving radius edges to metal plates in stainless steel, mild steel and aluminium.



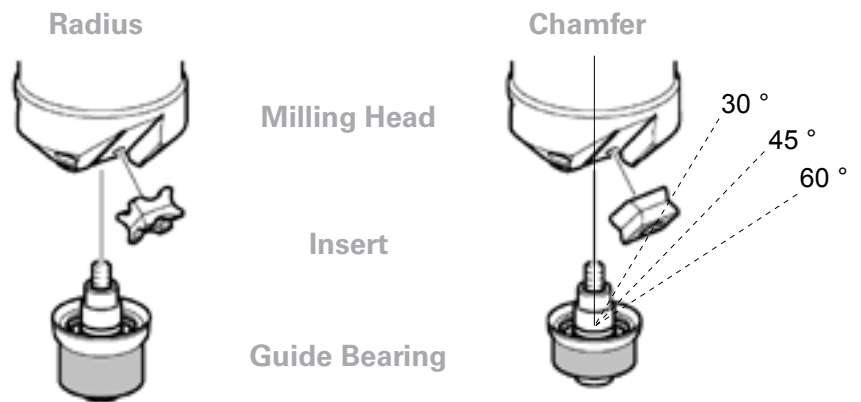
GTB

| Model | Max free Speed r/min | Max Bevel Width In | Max Radius In | Max. Power hp | Weight lb | Max Height over guide plate In | Air Consumption | | Rec. Hose Size in | Air Inlet thread NPT | Ordering No |
|-------------|-------------------------|-----------------------|------------------|------------------|--------------|---|-------------------|-------------------|-------------------------|----------------------------|--------------|
| | | | | | | | Max Output cfm | Free speed cfm | | | |
| LSB 38 S085 | 8500 | 5/16" | 5/32" | 1.7 | 5.4 | 4.4 | 58 | 31 | 1/2" | 3/8" | 8423 0131 30 |
| GTB25-S085 | 8500 | 9/16" | 5/32" | 3.3 | 8.2 | 5.4 | 72 | 19 | 5/8" | 3/8" | 8423 2525 50 |

Beveling Matrix

| | Radius 2 mm | Radius 3 mm | Radius 4 mm | Chamfer 30 ° | Chamfer 35 ° | Chamfer 40 ° | Chamfer 45 ° | Chamfer 50 ° | Chamfer 55 ° | Chamfer 60 ° |
|---------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| LSB 38 | | | | | | | | | | |
| Milling Head | 4150 2240 90 | 4150 2240 90 | 4150 2240 90 | 4150 2240 94 | 4150 2240 98 | - | 4150 2240 90 | - | 4150 2240 96 | 4150 2241 04 |
| Guide bearing | 4150 2240 80 | 4150 2240 91 | 4150 2240 92 | 4150 2240 95 | 4150 2240 99 | - | 4150 2240 93 | - | 4150 2240 97 | 4150 2241 05 |
| Insert | 4150 2241 93 | 4150 2241 90 | 4150 2241 91 | 4150 2241 92 | 4150 2241 92 | - | 4150 2241 92 | - | 4150 2241 92 | 4150 2241 92 |
| GTB 25 | | | | | | | | | | |
| Milling Head | 4175 0680 87 | 4175 0680 87 | 4175 0680 87 | 4175 0680 88 | 4175 0680 93 | 4175 0680 94 | 4175 0680 87 | 4175 0680 90 | - | 4175 0680 89 |
| Guide bearing | 4175 0682 85 | 4175 0682 82 | 4175 0682 83 | 4175 0682 80 | 4175 0682 86 | 4175 0682 87 | 4175 0680 82 | 4175 0682 84 | - | 4175 0682 81 |
| Insert | 4150 2241 93 | 4150 2241 90 | 4150 2241 91 | 4150 2241 92 | 4150 2241 92 | 4150 2241 92 | 4150 2241 92 | 4150 2241 92 | - | 4150 2241 92 |

NOTE: Each type of inserts work with respective Guide bearing only



Accessories

| Name | Ordering No |
|-------------------------|--------------|
| Support handle complete | 4150 2242 90 |
| Wing screw | 4150 2243 90 |
| Guide bearing R3 | 4150 2240 91 |
| Guide bearing R4 | 4150 2240 92 |
| Guide bearing C | 4150 2240 93 |
| Insert R3 | 4150 2241 90 |
| Insert R4 | 4150 2241 91 |
| Insert C | 4150 2241 92 |
| Small part kit | 4082 0120 90 |


Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|------------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | Yes | 8202 0850 31 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Sanding and Polishing





Atlas Copco handheld sanders are available in a range of different versions for all type of jobs. From extreme productivity sanding to fine grit sanding for the finest possible surface finish.

Our sanders are suitable for use with all types of abrasives, from dry sanding to wet sanding, from paper to wire brushes, and polishing with velcro pads or lambswool. We also offer belt sanders in our range. Our tools have user-friendly ergonomic designs with high power-to-weight ratios, an autobalancer that reduces vibrations, and good accessibility to the workpiece.

The range includes sanders equipped with dust extraction to lower the operator's exposure to dust.

Sanders

*Extreme productivity
for fiber discs, dia. 7"-9"*



GTG40

Atlas Copco extreme productivity sanders are durable with all-aluminum housings that make them suitable for the toughest working environments.

GTG sanders are powered by turbine technology which gives extremely short process times due to high power-to-weight ratios.

LSV48 is our most powerful angle vane sander with 2.5 hp of power for extreme productivity.

All the tools have a speed governor to ensure optimum process speed and an Autobalancer to reduce vibrations.



LSV48



GTG25

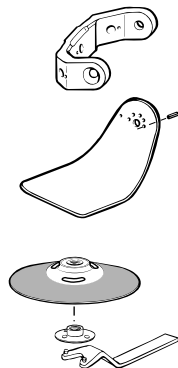
| Model | Max free speed (r/min) | Max output (hp) | Max pad dia (in) | Spindle thread | Spindle length (in) | Weight (lb) | Height over spindle (in) | Air consumption at max output (cfm) | Air consumption at free speed (cfm) | Rec hose size (in) | Air inlet thread NPT | Ordering No. |
|-----------------|------------------------|-----------------|------------------|----------------|---------------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|----------------------|--------------|
| GTG25-S085-700 | 8500 | 3.3 | 7" | UNC 5/8" | 29/32" | 4.2 | 2.3 | 68 | 19 | 5/8" | 3/8" | 8423 2525 08 |
| GTG25 S060-700 | 6000 | 3.3 | 7" | UNC 5/8" | 29/32" | 4.2 | 2.3 | 68 | 19 | 5/8" | 3/8" | 8423 2525 22 |
| GTG40 S060-700 | 6000 | 6.1 | 7" | UNC 5/8" | 29/32" | 7.9 | 5.2 | 126 | 42 | 5/8" | 1/2" | 8423 0715 03 |
| LSV48 SA085 NPT | 8500 | 2.5 | 7" | UNC 5/8" | 13/16" | 5.1 | 3.5 | 76 | 36 | 5/8" | 3/8" | 8423 0707 51 |
| LSV48 SA066 | 6600 | 2.5 | 7" | UNC 5/8" | 13/16" | 5.1 | 3.5 | 76 | 36 | 5/8" | 3/8" | 8423 0707 50 |

NOTE: Backing pad not included

Accessories

| | GTG 25 | GTG 40 | LSV 48 | See illustration |
|---|--------------|--------------|--------------|------------------|
| Backing set, standard type | | | | |
| Ø 5" - 5/8" - soft | - | - | 4170 0768 80 | |
| Ø 7" - 5/8" - soft | - | - | 4171 0756 80 | |
| Ø 7" - 5/8" - stiff | - | - | 4172 0757 80 | |
| Backing set with cooling ribs | | | | |
| Ø 5" - 5/8" and M14, medium | - | - | 4150 1962 80 | |
| Ø 7" - 5/8" and M14, stiff | 4150 1962 83 | 4150 1962 83 | 4150 1962 83 | |
| Ø 7" - 5/8" and M14, medium | 4150 1962 81 | 4150 1962 81 | 4150 1962 81 | |
| Backing set, heavy duty type | | | | |
| Ø 4 3/4" (120 mm) - 5/8" | - | - | 4175 0883 92 | |
| Ø 6 3/8" (162 mm) - 5/8" | - | - | 4175 0883 90 | |
| Ø 7" - 5/8" | 4170 1192 90 | 4170 1192 90 | 4170 1192 90 | |
| Ø 9" - 5/8" | - | 4170 1193 90 | - | |
| Flange washer for 5/8" | - | - | 4175 0893 00 | 5 |
| Wheel friction plate | - | 4175 0186 90 | - | |
| Hand shield | - | 4175 0165 90 | - | |
| Support handle | 4175 0705 90 | 4110 1355 88 | 4175 0868 80 | |
| Vibration damped handle | - | 4150 1521 80 | 4150 1521 80 | |
| Positioner for support handle | - | 4175 0164 90 | - | |
| Spot suction kit for sanding with fibre disc | | | | |
| 7" kit | 3780 4090 27 | 3780 4011 00 | 3780 4093 40 | |
| Suction cap 7" with brush (incl. In kit) | - | 3780 2675 31 | 3781 2675 00 | 2 |
| Backing pad 7" (incl. In kit) | - | 3780 2710 60 | 3781 2710 60 | 3 |
| Distance washer 1/2" (incl. In kit) | - | 3780 2721 40 | 3781 2721 50 | 6 |
| Nut 5/8" (incl. In kit) | - | 3780 2722 00 | 3781 2726 70 | 5 |
| Diamond cutting wheels | | | | |
| Ø 5" | 3780 5074 61 | - | 3780 5074 61 | |
| Ø 7" | 3780 5074 62 | 3780 5074 62 | 3780 5074 62 | |
| Spot suction for diamond cutting blade | | | | |
| Kit Ø 7" | - | - | 3780 4093 42 | |
| MultiFlex | 8202 1350 28 | 8202 1350 62 | 8202 1350 30 | 7 |

GTG40

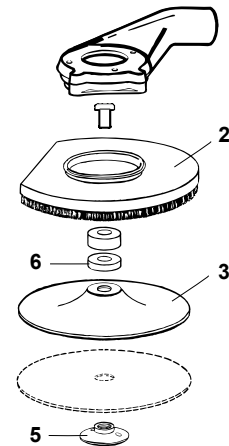


Positioner for support handle

Hand shield

Back-up pad

7



Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|----------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MAXI F/R EQ15US-T20 | 110 cfm | 140 cfm | Turbo 20 | ErgoQIC 15US | No | 8202 0850 32 |
| MAXI F/RD EQ15US-T20 | 110 cfm | 140 cfm | Turbo 20 | ErgoQIC 15US | Yes | 8202 0850 33 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Sanders

for fiber discs, dia. 7"



LSV38

LSV28 tools are small yet powerful, one-handed sanders. They are available in various speeds and also in a wet sanding version.

LSV38 is suitable for medium rough to rough sanding. A speed governor ensures optimum process speed.



LSV28

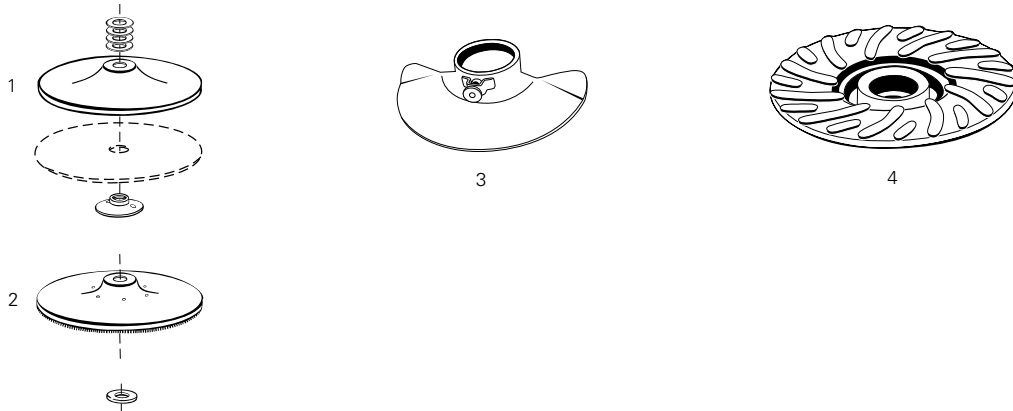
| Model | Max free speed [r/min] | Max output [hp] | Max pad dia [in] | Spindle thread | Spindle length [in] | Weight [lb] | Height over spindle [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT | Ordering No |
|-----------------------------|------------------------|-----------------|------------------|----------------|---------------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|----------------------|--------------|
| LSV28 S085 LF | 8500 | 1 | 7" | UNC 5/8" | 1 1/4" | 3.2 | 3.4 | 46.4 | 28.6 | 3/8" | 3/8" | 8423 0706 12 |
| LSV28 S060 LF | 6000 | 1 | 7" | UNC 5/8" | 1 1/4" | 3.2 | 3.4 | 33.6 | 15.5 | 3/8" | 3/8" | 8423 0706 11 |
| LSV28 ST034 NPT | 3400 | 1 | 7" | UNC 5/8" | 1 1/4" | 3.7 | 3.4 | 38.2 | 16.3 | 3/8" | 3/8" | 8423 0706 15 |
| LSV38 S085 | 8500 | 1.7 | 7" | UNC 5/8" | 7/8" | 3.5 | 3.8 | 58 | 31 | 1/2" | 3/8" | 8423 0700 24 |
| LSV38 S066 | 6600 | 1.6 | 7" | UNC 5/8" | 7/8" | 3.5 | 3.8 | 50 | 27 | 1/2" | 3/8" | 8423 0700 25 |
| Dust extraction incl | | | | | | | | | | | | |
| LSV38 S066 D* | 6600 | 1.6 | 7" | UNC 5/8" | 1 1/8" | 3.5 | 3.8 | 50 | 27 | 1/2" | 3/8" | 8423 0700 26 |

Backing pad not included

Accessories

| | LSV28 | LSV38 | See illustration |
|--------------------------------------|--------------|--------------|------------------|
| Backing set, standard type | | | |
| Ø 5" - 5/8" - soft | 4170 0768 80 | 4170 0768 80 | 1 |
| Ø 7" - 5/8" - soft | 4170 0756 80 | 4170 0756 80 | 1 |
| Ø 7" - 5/8" - stiff | 4170 0757 80 | 4170 0757 80 | 1 |
| Backing set with cooling ribs | | | |
| Ø 5" - 5/8" and M14, medium | 4150 1962 80 | 4150 1962 80 | 2 |
| Ø 7" - 5/8" and M14, stiff | | 4150 1962 83 | 2 |
| Ø 7" - 5/8" and M14, medium | 4150 1962 81 | 4150 1962 81 | 2 |
| Backing set, heavy duty type | | | |
| Ø 4 3/4" (120 mm) - 5/8" | - | 4175 0883 92 | 4 |
| Ø 6 3/8" (162 mm) - 5/8" | - | 4175 0883 90 | 4 |
| Hand shield for 5-7" | - | 4150 1936 80 | 3 |
| Hand shield for 5-7" (robust) | - | 4150 1941 80 | 3 |

Dust extraction, see next page



Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | Yes | 8202 0850 29 |
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | Yes | 8202 0850 31 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Sanders

dust extraction
for fiber discs, dia. 5"-7"

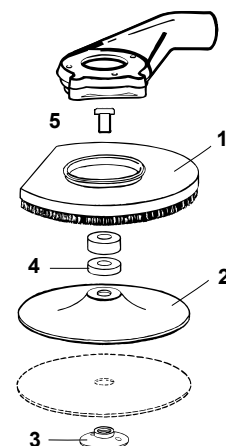
| | LSV28 | LSV38 | See illustration |
|---|--------------|--------------|------------------|
| Spot suction kits for sanding with fiber disc. Sanders with UNC 5/8" spindle | | | |
| LSV28 S040/S060/S085 5" - kit | 3780 4007 80 | | |
| Chamber (incl. In kit) | 3780 3100 40 | | 1 |
| Suction cap 5" with brush (incl. In kit) | 3780 2650 20 | | 2 |
| Backing pad 5" (incl. In kit) | 3780 2710 30 | | 3 |
| Distance washer 1/2" (incl. In kit) | 3780 2721 60 | | 4 |
| Nut 5/8" (incl. In kit) | 3780 2722 00 | | 5 |
| LSV28 ST12 5" - kit | 3780 4008 60 | | |
| Chamber (incl. In kit) | 3780 3101 10 | | 1 |
| Suction cap 5" with brush (incl. In kit) | 3780 2650 20 | | 2 |
| Backing pad 5" (incl. In kit) | 3780 2710 30 | | 3 |
| Distance washer 3/8" (incl. In kit) | 3780 2721 50 | | 6 |
| Adapter UNF 3/8" UNC 5/8" (incl. In kit) | 4021 0457 00 | | 7 |
| Nut 5/8" (incl. In kit) | 3780 2722 00 | | 5 |
| LSV28 S040/S060 7" - kit | 3780 4007 90 | | |
| Chamber (incl. In kit) | 3780 3100 40 | | 1 |
| Suction cap 7" with brush (incl. In kit) | 3780 2675 00 | | 2 |
| Backing pad 7" (incl. In kit) | 3780 2710 60 | | 3 |
| Distance washer 3/8" (incl. In kit) | 3780 2721 50 | | 6 |
| Nut 5/8" (incl. In kit) | 3780 2726 70 | | 5 |
| LSV28 S021 7" - kit | 3780 4031 60 | | |
| Suction cap 7" with brush (incl. In kit) | 3780 2675 00 | | 2 |
| Backing pad 7" (incl. In kit) | 3780 2710 60 | | 3 |
| Distance washer 1/2" (incl. In kit) | 3780 2721 60 | | 6 |
| Nut 5/8" (incl. In kit) | 3780 2726 70 | | 5 |
| LSV38 S066/S085 7" - kit* | | 3780 4008 84 | |
| Suction cap 7" with brush (incl. In kit) | | 3780 2675 00 | 2 |
| Backing pad 7" (incl. In kit) | | 3780 2710 60 | 3 |
| Distance washer 3/8" (incl. In kit) | | 3780 2721 50 | 6 |
| Nut 5/8" (incl. In kit) | | 3780 2726 70 | 5 |
| LSV38 S066/S085 5" - kit | | 3780 4008 85 | |
| Suction cap 5" with brush (incl. In kit) | | 3780 2650 20 | 2 |
| Backing pad 5" (incl. In kit) | | 3780 2710 30 | 3 |
| Distance washer 3/8" (incl. In kit) | | 3780 2721 50 | 6 |
| Nut 5/8" (incl. In kit) | | 3780 2726 70 | 5 |

* Use with adapter, Ordering No. 4150 1928 90, to be ordered separately.

Extraction hose 5" 11"

| Hose | Ordering No |
|--|--------------|
| Ø 1" (25 mm) for 125 m3/h suction requirement | 3780 2724 20 |
| Ø 1 9/32" (32 mm) for 200 m3/h suction requirement | 3780 2724 31 |
| Ø 1 1/2" (38 mm) for 250 m3/h suction requirement | 3780 2724 40 |

| Brush for suction cap | Ordering No |
|---|--------------|
| Separate brush 3/4" high, for cap Ø 5" | 3780 2678 00 |
| Separate brush 3/4" high, for cap Ø 7" | 3780 2677 50 |
| Separate brush 1 3/16" high, for cap Ø 7" | 3780 2677 30 |



Angle Sanders

for fiber discs, 2"-3"



LSV19



LSV12

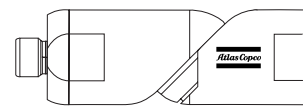
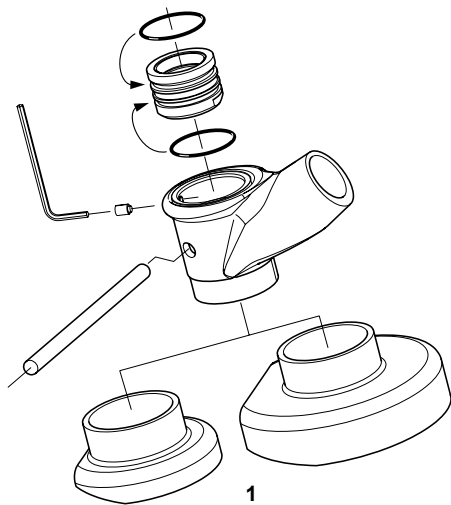
These sanders are suitable for applications with high demands on surface finish and requiring tools offering good accessibility.

LSV12/19 sanders are a good choice for this type of finer work. For operator comfort the tools are ergonomically designed with the option of dust extraction. All tools are available with either a collet or a threaded spindle and a speed governor for optimal process speed.

| Model | Max free speed (r/min) | Max output (hp) | Max pad dia (in) | Collet size (in) | Spindle thread | Spindle length (in) | Length (in) | Weight (lb) | Height over spindle (in) | Air consumption at max output (cfm) | Air consumption at free speed (cfm) | Rec hose size (in) | Air inlet thread NPT | Ordering No. |
|------------------------------|------------------------|-----------------|------------------|------------------|----------------|---------------------|-------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|----------------------|--------------|
| With collet | | | | | | | | | | | | | | |
| LSV12 S200-2 | 20000 | 0.39 | 2" | 1/4" | - | - | 6.54 | 1.19 | 3 | 20.1 | 13.6 | 5/16" | 1/4" | 8423 0701 06 |
| LSV12 S120-2 | 12000 | 0.33 | 3" | 1/4" | - | - | 6.54 | 1.19 | 3 | 17.6 | 6.4 | 5/16" | 1/4" | 8423 0701 05 |
| LSV19 S200-2 | 20000 | 0.6 | 2" | 1/4" | - | - | 7.3 | 1.3 | 3 | 23 | 15 | 3/8" | 1/4" | 8423 0703 75 |
| LSV19 S120-2 | 12000 | 0.6 | 3" | 1/4" | - | - | 7.3 | 1.3 | 3 | 23 | 15 | 3/8" | 1/4" | 8423 0703 76 |
| LSV19 S080-2 | 8000 | 0.5 | 3" | 1/4" | - | - | 7.3 | 1.3 | 3 | 23 | 13 | 3/8" | 1/4" | 8423 0703 77 |
| With threaded spindle | | | | | | | | | | | | | | |
| LSV12 S200 | 20000 | 0.39 | 2" | - | UNC 1/4" | 5/16" | 6.54 | 1.19 | 2.3 | 17.6 | 6.4 | 5/16" | 1/4" | 8423 0701 08 |
| LSV12 S120 | 12000 | 0.326 | 3" | - | UNC 1/4" | 5/16" | 6.54 | 1.19 | 2.3 | 17.6 | 6.4 | 5/16" | 1/4" | 8423 0701 07 |
| LSV19 S120 | 12000 | 0.6 | 3" | - | UNC 1/4" | 5/16" | 7.3 | 1.3 | 2.3 | 23 | 15 | 3/8" | 1/4" | 8423 0703 78 |

Accessories

| Model | LSV12 | LSV19 | See illustration |
|--|--------------|--------------|------------------|
| Collets | | | |
| Collet Ø 1/8" | 4150 2226 46 | 4150 0082 00 | - |
| Collet Ø 1/4" | 4150 2226 03 | 4150 0076 00 | - |
| Collet Ø 3/16" | 4150 2226 48 | 4150 0649 00 | - |
| Collet Ø 5/16" | - | 4150 0074 00 | - |
| Collet Ø 3 mm | - | 4150 0081 00 | - |
| Collet Ø 5 mm | - | 4150 0075 01 | - |
| Collet Ø 6 mm | 4150 2226 03 | 4150 0075 00 | - |
| Collet Ø 8 mm | - | 4150 0074 00 | - |
| Collar | 4150 2226 02 | - | - |
| Collet nut | 4150 2226 04 | 4150 0760 00 | - |
| Extension 75 mm (3") | - | 4150 0674 00 | - |
| Spot suction kit for fibre disc | | | |
| Ø 50-75 mm pad (for model with collet) | 3780 4092 64 | 3780 4092 62 | 1 |
| Ø 50-75 mm pad (for model with threaded spindle) | - | 3780 4092 65 | 1 |
| MultiFlex | 8202 1350 20 | 8202 1350 20 | 2 |



**NEED BETTER
AIR FLOW?**

Check out our full range of Air Line accessories in chapter Air Line Installation.

Sanders

*orbital and random orbital
for coated abrasives*



LST30



LST20



LST21



LST22



LSO30

LST/LSO orbital and random orbital sanders are designed to give you the best surface result in the shortest possible time before painting and coating. They are also suitable for polishing with wax and surface conditioner.

All models are lubrication and silicone free to avoid contamination of the workpiece.

They are available in standard versions, self-suction, or central suction.

| Model | Max free speed [r/min] | Max output [hp] | Max pad size [in] | Orbit dia [in] | Weight [lb] | Height over spindle [in] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT | Handle | | Ordering No |
|---|------------------------|-----------------|-------------------|----------------|-------------|--------------------------|-------------------------------------|--------------------|----------------------|--------|---------|--------------|
| | | | | | | | | | | With | Without | |
| Random orbital - Standard | | | | | | | | | | | | |
| LST30 H090-11 | 9000 | 0.4 | 4 1/2" | 5/16" | 2.6 | 4.7" | 16 | 5/16" | 1/4" | ● | - | 8423 0361 64 |
| LST30 H090-15 | 9000 | 0.4 | 6" | 5/16" | 2.6 | 4.7" | 16 | 5/16" | 1/4" | ● | - | 8423 0361 72 |
| LST30 S090-15 | 9000 | 0.4 | 6" | 5/16" | 2.4 | 4.7" | 16 | 5/16" | 1/4" | - | ● | 8423 0361 98 |
| Self suction^a | | | | | | | | | | | | |
| LST31 H090-15 | 9000 | 0.4 | 6" | 5/16" | 3.1 | 4.7" | 16 | 5/16" | 1/4" | ● | - | 8423 0363 19 |
| Central suction^b | | | | | | | | | | | | |
| LST32 H090-15 | 9000 | 0.4 | 6" | 5/16" | 3.1 | 4.7" | 16 | 5/16" | 1/4" | ● | - | 8423 0362 55 |
| LST32 S090-15 | 9000 | 0.4 | 6" | 5/16" | 2.9 | 4.7" | 16 | 5/16" | 1/4" | - | ● | 8423 0362 71 |
| Orbital - Standard | | | | | | | | | | | | |
| LSO30 S070-3 | 7000 | 0.4 | 4" x 7" | 3/16" | 3.5 | 4.9" | 16 | 5/16" | 1/4" | - | ● | 8423 0360 16 |
| LSO30 H070-3 | 7000 | 0.4 | 4" x 7" | 3/16" | 3.7 | 4.9" | 16 | 5/16" | 1/4" | ● | - | 8423 0360 24 |
| Central suction^c | | | | | | | | | | | | |
| LSO32 H070-3 | 7000 | 0.4 | 4" x 7" | 3/16" | 4 | 4.9" | 16 | 5/16" | 1/4" | ● | - | 8423 0361 07 |
| Standard model | | | | | | | | | | | | |
| LST20 R350 | 12000 | 0.27 | 4" | 3/16" | 1.85 | 3.7" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 65 |
| LST20 R550 | 12000 | 0.27 | 5" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 69 |
| LST20 R650 | 12000 | 0.27 | 6" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 73 |
| LST20 R525 | 12000 | 0.27 | 5" | 3/32" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 81 |
| LST20 R625 | 12000 | 0.27 | 6" | 3/32" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 84 |
| Extraction model - Self suction | | | | | | | | | | | | |
| LST21 R550 ^d | 12000 | 0.27 | 5" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 70 |
| LST21 R650 ^d | 12000 | 0.27 | 6" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 74 |
| Extraction model - Central suction | | | | | | | | | | | | |
| LST22 R550 ^d | 12000 | 0.27 | 5" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 71 |
| LST22 R650 ^d | 12000 | 0.27 | 6" | 3/16" | 1.85 | 3.3" | 17 | 5/16" | 1/4" | - | ● | 8423 0361 75 |

^a Includes dust collecting bag.
^b Required air flow 88 cfm.
^c Required air flow 35 cfm.
^d 73" suction hose connector included.

Accessories

LST

| LST | Ordering No. |
|------------------------------|--------------|
| Base pad, vinyl for -3F-type | 4112 0787 01 |

LST20/21/22, pad for self stick paper

| | Ordering No. | | |
|--------------|--------------|--------------|--------------|
| | Dia 3 1/2" | Dia 5" | Dia 6" |
| For LST20 | 4112 1231 00 | 4112 1233 00 | 4112 1235 00 |
| For LST21/22 | - | 4112 1232 00 | 4112 1234 00 |

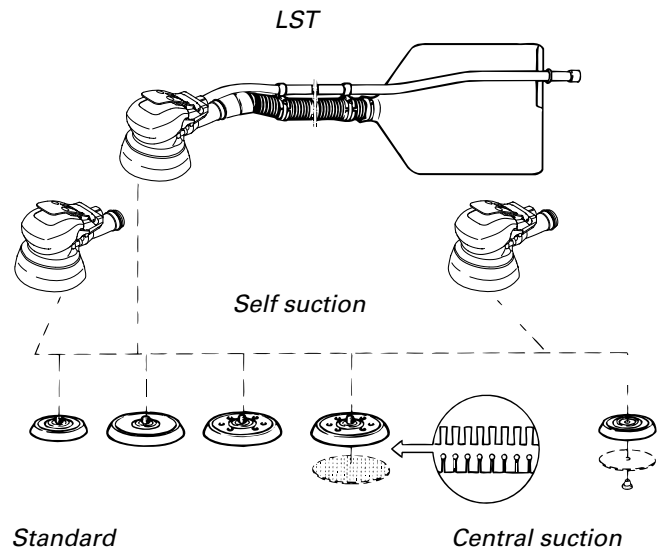
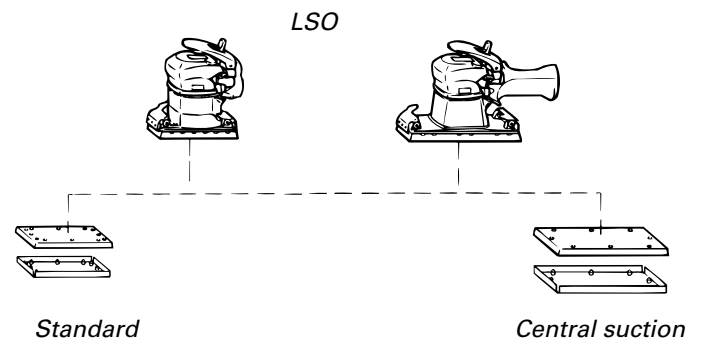
LST20/21/22, pad for velcro back paper

| | Ordering No. | | |
|---------------|--------------|--------------|--------------|
| | Dia 3 1/2" | Dia 5" | Dia 6" |
| For LST 20 | 4112 1218 00 | 4112 1216 00 | 4112 1214 00 |
| For LST 21/22 | - | 4112 1217 00 | 4112 1215 00 |

LST30/31/32

| | Ordering No. |
|---------------------------|---------------------------|
| Pad velcro, Ø 6" | 4112 0795 02 ^a |
| Pad velcro, Ø 6" | 4112 0792 02 ^b |
| Pad velcro, Ø 6", 6 holes | 4112 0796 01 ^c |

^a LST30-15 ^b LST30-11 ^c LST31/32-15

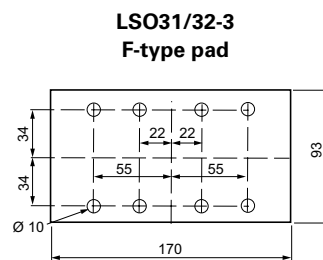
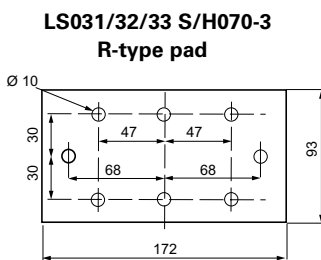


Productivity Kits

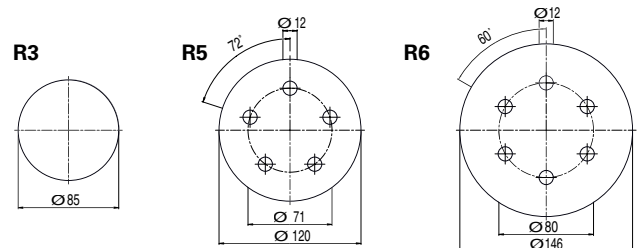
| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | Yes | 8202 0850 29 |
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | Yes | 8202 0850 31 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Hole pattern dimensions for sanding paper, dust extraction models



LST20/21/22, 30/31/32



Polishing



LSV28

Polishing is often used to enhance the look of a surface, remove oxidation and create a protective surface.

We offer modified version of **LSV28** in various speeds to meet your specific needs - contact your local representative for more information.

| Model | Max free speed [r/min] | Max output [hp] | Max pad dia [in] | Spindle thread | Spindle length [in] | Weight [lb] | Height over spindle [in] | Air consumption at max output [cfm] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT | Ordering No |
|-----------------|------------------------|-----------------|------------------|----------------|---------------------|-------------|--------------------------|-------------------------------------|-------------------------------------|--------------------|----------------------|--------------|
| LSV28 ST034 NPT | 3400 | 1 | 7" | UNC 5/8" | 1 1/4" | 3.7 | 3.4 | 38.2 | 16.3 | 3/8" | 3/8" | 8423 0706 15 |

Accessories

| Backing set for polishing | Ordering No. |
|--|--------------|
| Velcro pads | |
| 6" Velcro pad, thread UNC 5/8". Maximum speed 2 500 r/min. To be used together with Velcro sponge heads or Velcro lambswool bonnet. | 4112 6092 15 |
| Lambswool bonnet 6" with Velcro fitting. Maximum speed 2 500 r/min. | 4112 6093 15 |
| 6" Velcro sponge head, maximum speed 2 500 r/min, White, Dense, firm sponge head for compounding 2-pack paint systems. Excellent result with all leading makes of compound and polish. | 4112 6094 15 |
| 6" Velcro sponge head, maximum speed 2 500 r/min, Blue Softer sponge, more open cell, for polishing and compounding of cellulose, acrylics etc. | 4112 6096 15 |
| 6" Velcro sponge head, maximum speed 2 500 r/min, Yellow coarse sponge, open cell, for aggressive compounding including oxidized paintwork. | 4112 6099 15 |
| Threaded pads | |
| 6" white sponge head pad, thread UNC 5/8". Maximum speed 4 000 r/min. | 4112 6100 15 |
| 6" blue sponge head pad, thread UNC 5/8". Maximum speed 4 000 r/min. | 4112 6101 15 |
| 7" mm soft plastic UNC 5/8" and spanner. Maximum speed 8 000 r/min. | 4170 0756 80 |




Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-R13 | 45 cfm | 50 cfm | Rubair 13 | ErgoQIC 10US | Yes | 8202 0850 28 |
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | Yes | 8202 0850 29 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Fine Cutting





Atlas Copco routers and circular cutters are designed for operator comfort and a first-class result when engraving or fine cutting in aluminum and composite materials.

Fine Cutting

circular cutters



LCS38

Get a top quality result with Atlas Copco circular cutters. The **LCS10** cuts to a depth of 3/8" and the **LCS38** to 1".

Choose the tool and blade that fit your requirements and you can cut with ease through steel, aluminum, wood and fiber glass.

The **LCS38** is equipped with a dust extraction hood, just connect a suction hose.



LCS10

| Model | Max free speed [r/min] | Max cutter wheel dia [in] | Max cutting depth [in] | Max output [hp] | Weight [lb] | Air consumption at free speed [cfm] | Rec hose size [in] | Air inlet thread NPT | Dust extraction hood | Ordering No |
|-------------|------------------------|---------------------------|------------------------|-----------------|-------------|-------------------------------------|--------------------|----------------------|----------------------|--------------|
| LCS10 | 3000 | 2 | 0.4 | 0.4 | 3.1 | 16 | 1/4 | 1/4" | - | 8424 1161 38 |
| LCS38 S150D | 15000 | 4 | 1 | 1.7 | 3.7 | 58 | 1/2 | 3/8" | ●* | 8424 1125 06 |

* Suction requirement 118 cfm.

Accessories

Cutter blades

| | Application | Max thickness of material (in) | No. of teeth (in) | Dia (in) | Hole (in) | Ordering No. |
|-------|--------------------------|--------------------------------|-------------------|----------|-----------|--------------|
| LCS10 | Steel sheet | 3/64" | 92 | 2" | 3/8" | 4190 0394 00 |
| | Steel sheet (std) | 3/64" | 62 | 2" | 3/8" | 4190 0395 00 |
| | Aluminium | 3/32" | 34 | 2" | 3/8" | 4190 0396 00 |
| | Wood | 3/8" | 34 | 2" | 3/8" | 4190 0396 00 |
| LCS38 | Diamond disc for | 3/4" | 44/60 (Grain) | 3" | 1/2" | 3780 5073 00 |
| | Diamond disc for | 1" | 44/60 (Grain) | 4" | 1/2" | 3780 5074 00 |
| LCS38 | Suction hose set (L= 6") | - | - | - | - | 3780 2724 31 |

Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | Yes | 8202 0850 29 |
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | Yes | 8202 0850 31 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Weld flux, paint and rust removal



Atlas Copco scalers are ideal for all weld flux, paint and rust removal tasks in foundries, shipyards, weld shops and construction sites. Our range includes vibration damped models, which reduce the operator's exposure to vibrations.

Selection Guide

| | | Vibration damped | Blowing device | Weld flux removal | Paint & rust removal |
|---------|----------------|------------------|----------------|-------------------|----------------------|
| Scalers | RVM 07B | • | | • | |
| | RRC 13 | | | • | |
| | RRC 13B | | • | • | |
| | RRC 13N | | | | • |

Scalers

Atlas Copco robust, all-steel scalers are designed to work in the toughest environments.

The tools are ideal for removal of weld flux, paint and rust, and for light concrete trimming. The **RRC13N** needle scaler can handle even the toughest paint and rust removal tasks.

RVM07B and **RRC13B** scalers feature a clean blowing device.

P2505 engraving pen will give a precise result on any hard material, such as aluminum, steel or glass. The needle is easy to change and the tool is small yet durable.



| Model | Blows [Hz] | Stroke [in] | Energy per blow [ft lb] | Length [in] | Weight [lb] | Air consumption [cfm] | Rec hose size [in] | Air inlet thread NPT | Ordering No |
|--------|------------|-------------|-------------------------|-------------|-------------|-----------------------|--------------------|----------------------|--------------|
| RVM07B | 100 | - | - | 11 | 3.8 | 8.1 | 1/4" | 1/4" | 8425 0105 25 |
| RRC13 | 73 | 1.4 | 1.0 | 8.7 | 3.1 | 8.0 | 3/8" | 3/8" | 8425 0101 30 |
| RRC13B | 73 | 1.4 | 0.9 | 9.1 | 3.5 | 10.4 | 3/8" | 3/8" | 8425 0101 34 |
| RRC13N | 73 | 1.4 | 1.0 | 13.9 | 4.2 | 8.0 | 3/8" | 3/8" | 8425 0101 36 |

| Model | Max free speed [r/min] | Length [in] | Weight [lb] | Air consumption [cfm] | Rec hose size [in] | Air inlet thread | Ordering No |
|-------|------------------------|-------------|-------------|-----------------------|--------------------|------------------|--------------|
| P2505 | 190 | 6.9 | 0.26 | 1.3 | 1/8" | 1/8" | 8425 0102 72 |

Accessories

For RRC13, 13B

| RRC13 / RRC13B | Ordering No. |
|----------------|--------------|
| Hand guard | 3510 0246 90 |
| Silencer | 3510 0366 80 |

For RRC13N Needle-set of 19 needles, length 100 mm

| Material | Ordering No. |
|--|--------------|
| Steel, standard | 3510 0221 90 |
| Steel flat ends | 3510 0227 90 |
| Stainless steel flat ends | 3510 0228 90 |
| Beryllium copper flat ends (spark resistant) | 3510 0229 90 |

Chisels for RRC13/13B, square shank 1/2"



| Chisel type | Designation | Width | | Length | | Square 1/2" Ordering No. | Square shank 1/2" in round end. For RRC 13B |
|-------------|----------------------|-------|------|--------|------|--------------------------|---|
| | | mm | in | mm | in | | |
| | Chisel blank | 15 | 0.59 | 155 | 6.1 | 3085 0020 00 | |
| | | 15 | 0.59 | 200 | 7.9 | 3085 0020 01 | |
| | | 15 | 0.59 | 300 | 11.8 | 3085 0020 02 | |
| | Flat chisel | 15 | 0.59 | 165 | 6.1 | 3085 0227 00 | |
| | | 15 | 0.59 | 200 | 7.9 | 3085 0227 01 | |
| | Wide flat chisel | 35 | 1.38 | 165 | 6.5 | 3085 0032 00 | |
| | | 35 | 1.38 | 200 | 7.9 | 3085 0032 01 | |
| | | 35 | 1.38 | 300 | 11.8 | 3085 0032 02 | |
| | | 55 | 2.17 | 165 | 6.5 | 3085 0332 00 | |
| | Angle scraper chisel | 35 | 1.38 | 165 | 6.5 | 3085 0176 00 | |
| | | 35 | 1.38 | 200 | 7.9 | 3085 0176 01 | |
| | | 55 | 2.17 | 165 | 6.5 | 3085 0333 00 | |
| | Scaling chisel | 15 | 0.59 | 155 | 6.1 | 3085 0018 00 | |
| | | 15 | 0.59 | 200 | 7.9 | 3085 0018 02 | |
| | | 15 | 0.59 | 300 | 11.8 | 3085 0018 01 | |

Chisels for RVM07B, special shank

| Chisel type | Designation | Material | Width | | Length | | Ordering No. |
|-------------|-------------|------------------------|-------|------|--------|------|--------------|
| | | | mm | in | mm | in | |
| | Flat chisel | Tungsten carbide | 10 | 0.39 | 120 | 4.7 | 3085 0321 00 |
| | | Through hardened steel | 10 | 0.39 | 120 | 4.7 | 3085 0325 00 |
| | | Tungsten carbide | 10 | 0.39 | 200 | 7.9 | 3085 0321 01 |
| | | Tungsten carbide | 10 | 0.39 | 300 | 11.8 | 3085 0321 02 |
| | | Tungsten carbide | 20 | 0.79 | 120 | 4.7 | 3085 0345 00 |
| | | Through hardened steel | 20 | 0.79 | 120 | 4.9 | 3085 0346 00 |
| | Wide chisel | Tungsten carbide | 35 | 1.38 | 120 | 4.7 | 3085 0322 00 |
| | | Through hardened steel | 35 | 1.38 | 120 | 4.7 | 3085 0327 00 |

Productivity Kits

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|---------------------|--------------|---------------|--------------|-------------|--------------|
| MIDI Optimizer F/RD EQ10US-R10 | 28 cfm | 34 cfm | Rubair 10 | ErgoQIC 10US | Yes | 8202 0850 26 |
| MIDI Optimizer F/RD EQ10US-R13 | 45 cfm | 50 cfm | Rubair 13 | ErgoQIC 10US | Yes | 8202 0850 28 |

NOTE: Use whip-hose. Tool nipple is part of whip-hose and not included in the productivity kit.

Whip hoses

| Hose | Dia in | Length ft | Male thread | Connection* | Ordering No. |
|----------|--------|-----------|-------------|--------------|--------------|
| Turbo 13 | 1/2 | 3 | 3/8" NPT | Cut-off hose | 4150 1618 81 |
| Turbo 16 | 5/8 | 1,6 | 1/2" NPT | Cut-off hose | 8202 1181 86 |

* NOTE: Nip connection needs to be ordered separately. For 4150 1618 81 order ErgoNIP 10US H13 ordering no: 8202 1210 72. For 8202 1181 86 ErgoNIP 10US H16 ordering no: 8202 121073.

Rough Chiseling



Atlas Copco robust, all-metal chipping hammers are designed to stand up to the roughest handling and cope with the toughest jobs in foundries, shipyards, offshore installations and other heavy industries. Built-in ergonomic features such as vibration dampening help reduce operator fatigue and protect the operator against long-term exposure to vibration and noise.

Selection Guide

| | | Vibration damped | D-handle design | Extreme blow energy | Heavy duty | Pistol grip |
|------------------|-------------------|------------------|-----------------|---------------------|------------|-------------|
| Chipping hammers | RRF 21-01 | • | • | | • | |
| | RRF 31-01 | • | • | | • | |
| | RRD 37-11 | • | • | | • | |
| | RRD 57-01 | • | • | • | • | |
| | RRD 57-12 | • | • | • | • | |
| | RRC 22F-01 | | | | • | |
| | RRC 22F-02 | | | | • | |
| | RRC 34B-01 | | | | • | |
| | RRC 65B-01 | | | • | • | |
| | RRC 75B-01 | | | • | • | |

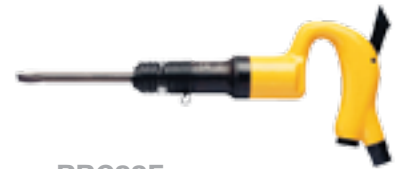
Chipping hammers



RRD57



RRF21



RRC22F



RRC75B



RRC34B

Atlas Copco's robust chipping hammers are protected against rough handling by their light metal alloy casings.

RRD and **RRF** versions are vibration damped for operator comfort. For increased protection a steel cover is available as an optional accessory for the RRF versions.

RRC chipping hammers have a sturdy construction that make them highly dependable.

| Model | Blows [Hz] | Stroke [in] | Energy per blow [ft lb] | Length [in] | Weight [lb] | Bush-ing [in] | Air con-sumption [cfm] | Rec hose size [in] | Air inlet thread BSP | Guided chisel | Bushing type | | Inte-grated hose barb | Vibra-tion damped | Ordering No |
|-----------|------------|-------------|-------------------------|-------------|-------------|---------------|------------------------|--------------------|----------------------|---------------|--------------|-------|-----------------------|-------------------|--------------|
| | | | | | | | | | | | Hex | Round | | | |
| RRF21-01 | 57 | 1.3 | 1.5 | 9.6 | 3.3 | 1/2" | 13.8 | 3/8" | 3/8" | • | • | - | - | • | 8425 1104 05 |
| RRF31-01 | 38 | 1.7 | 3.2 | 10.4 | 5.3 | 1/2" | 15.9 | 3/8" | 3/8" | • | • | - | - | • | 8425 1104 15 |
| RRF31-02 | 38 | 1.7 | 3.2 | 10.4 | 5.3 | 1/2" | 15.3 | 3/8" | 3/8" | - | - | • | - | • | 8425 1104 16 |
| RRD37-11 | 35 | 2.8 | 5.0 | 16.5 | 6.6 | 11/16" | 15.3 | 1/2" | - | • | • | - | • | • | 8425 1101 22 |
| RRD57-11 | 31 | 3.6 | 6.9 | 18.0 | 7.5 | 11/16" | 20.1 | 1/2" | - | • | • | - | • | • | 8425 1103 20 |
| RRD57-12 | 31 | 3.6 | 6.9 | 18.0 | 7.5 | 11/16" | 20.1 | 1/2" | - | - | - | • | • | • | 8425 1103 38 |
| RRC22F-01 | 62 | 2.0 | 2.0 | 10.2 | 2.2 | 1/2" | 13.1 | 3/8" | 3/8" | • | • | - | - | - | 8425 0202 22 |
| RRC22F-02 | 62 | 2.0 | 2.0 | 10.2 | 2.2 | 1/2" | 13.1 | 3/8" | 3/8" | - | - | • | - | - | 8425 0202 30 |
| RRC34B-01 | 45 | 2.6 | 4.1 | 13.0 | 4.5 | 11/16" | 17.0 | 1/2" | - | • | • | - | • | - | 8425 0212 53 |
| RRC65B-01 | 40 | 2.0 | 7.3 | 13.2 | 5.9 | 11/16" | 22.9 | 1/2" | - | • | • | - | • | - | 8425 0225 33 |
| RRC75B-01 | 30 | 3.0 | 11.8 | 15.4 | 6.5 | 11/16" | 29.6 | 1/2" | - | • | • | - | • | - | 8425 0225 58 |

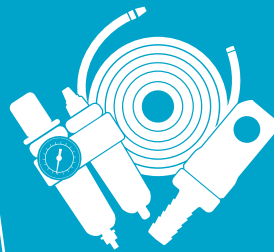
Accessories

| Model | Ordering No. |
|------------------------------|--------------|
| Power regulator | |
| RRF21 and -31 | 3512 0273 80 |
| Retainer, open type | |
| RRF21 | 3512 0290 90 |
| RRF31 | 3512 0305 90 |
| Protective handle kit | |
| RRF21 | 3512 0349 81 |
| RRF31 | 3512 0349 82 |

Protective cover



Retainer, open type



NEED BETTER AIR FLOW?

Check out our full range of Air Line accessories in chapter Air Line Installation.

Chisels



Chisels for Chipping hammers. All chisels are normally through hardened. Otherwise, see tables.

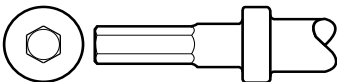
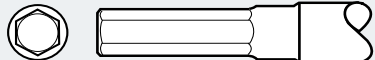
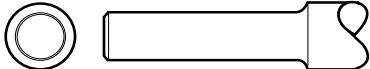
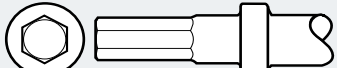

| Figure | Shank type | Tools | Table |
|---|--|--------------------------------------|-------|
|  | Hexagon and round shank ISO, round collar 12.7 mm | RRC22F-01, RRC22F-02 RRF21, RRF31 | 1 |
|  | Hexagon shank ISO without round collar 17.3 mm | RRC34-01, RRC65-01, RRC75-01 | 2 |
|  | Round shank ISO, without collar 17.3 mm | RRC34-02, RRC65-02, RRC75-02 | 2 |
|  | Hexagon shank ISO round collar 17.3 mm | RRC34B-01, RRC65B-01, RRC75B-01 | 3 |
|  | Round shank ISO, with splines 17.3 mm | RRD37, RRD57 | 3 |

Table 1

A. Chisels with hexagon shank 1/2"

B. Chisels with round shank ISO 1/2"

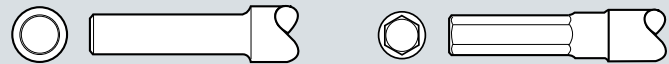


| Chisel type | Designation | Width | | Length | | A Hex ISO 1/2" | B Round ISO 1/2" |
|-------------|----------------------|-------|------|--------|------|--------------------------|----------------------------|
| | | mm | in | mm | in | Ordering No. | Ordering No. |
| | Chisel blank | 13 | 0.51 | 200 | 7.9 | 3085 0182 00 | |
| | | 13 | 0.51 | 350 | 13.8 | 3085 0182 01 | |
| | | 13 | 0.51 | 400 | 15.7 | 3085 0182 04 | |
| | | 13 | 0.51 | 500 | 19.7 | 3085 0182 05 | |
| | Flat chisel | 13 | 0.51 | 200 | 7.9 | 3085 0183 00 | 3085 0184 00 |
| | | 35 | 1.38 | 300 | 11.8 | 3085 0376 00 | |
| | Sharp chisel | 15 | 0.59 | 200 | 7.9 | 3085 0170 00 | |
| | | 15 | 0.59 | 300 | 11.8 | 3085 0170 01 | |
| | Spot weld chisel | 17 | 0.69 | 200 | 7.9 | 3085 0301 00 | |
| | Angle scraper chisel | 30 | 1.18 | 200 | 7.9 | 3085 0262 00 | |
| | Pipe cutting chisel | 20 | 0.78 | 200 | 7.9 | 3085 0302 00 | |
| | | 35 | 1.38 | 200 | 7.9 | 3085 0303 00 | |
| | Plate cutting chisel | 14.5 | 0.57 | 200 | 7.9 | 3085 0263 00 | |
| | Plate cutting chisel | 16 | 0.62 | 200 | 7.9 | 3085 0173 00 | |
| | Moil point chisel | 13 | 0.51 | 200 | 7.9 | 3085 0297 00 | |
| | | 13 | 0.51 | 305 | 12.0 | 3085 0297 01 | |

Table 2

A. Chisels with ISO shank without collar, round

B. Chisels with ISO shank without collar, hexagon



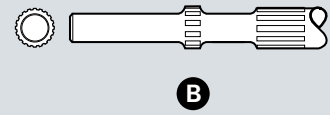
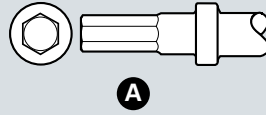
| Chisel type | Designation | Width | | Length | | A Round 17.3 mm (0.68") ISO Ordering No. | B Hexagon 17.3 mm (0.68") ISO Ordering No. |
|-------------|--------------|-------|------|--------|------|---|---|
| | | mm | in | mm | in | Ordering No. | Ordering No. |
| | Chisel blank | 23 | 0.91 | 200 | 7.9 | 3085 0150 00 | 3085 0140 00 |
| | | 23 | 0.91 | 560 | 22.0 | | 3085 0140 01 |
| | Flat chisel | 23 | 0.91 | 225 | 8.9 | 3085 0225 00 | 3085 0224 00 |

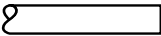

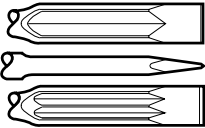

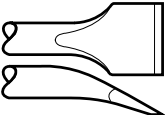

Chisels

Table 3

A. Chisels with hexagon shank ISO, round collar 17.3 mm (0.68")

B. Chisels with round ISO shank with splines 17.3 mm (0.68")



| Chisel type | Designation | Width | | Length | | Hex ISO 17.3 mm (0.68") Ordering No. | Width | | Length | | Round ISO with splines 17.3 mm (0.68") Ordering No. | |
|---|------------------------|-------|------|--------|------|--|-------|------|--------|------|--|--------------|
| | | mm | in | mm | in | | mm | in | mm | in | | |
|  | Chisel blank | 22 | 0.86 | 335 | 13.1 | 3085 0220 00 | 22 | 0.86 | 250 | 9.8 | 3085 0242 00 | |
| | | 22 | 0.86 | 560 | 22.0 | 3085 0220 01 | 22 | 0.86 | 340 | 13.4 | 3085 0242 01 | |
| | | 22 | 0.86 | 1060 | 41.7 | 3085 0220 02 | 22 | 0.86 | 550 | 21.7 | 3085 0242 02 | |
| | | | | | | | 22 | 0.86 | 800 | 31.5 | 3085 0242 03 | |
| | | | | | | | | | | 1200 | 47.2 | 3085 0242 04 |
|  | Flat chisel | 22 | 0.86 | 260 | 10.2 | 3085 0221 00 | 22 | 0.86 | 215 | 8.5 | 3085 0236 00 | |
| | | 22 | 0.86 | 335 | 13.1 | 3085 0221 01 | 22 | 0.86 | 250 | 9.8 | 3085 0236 01 | |
| | | 22 | 0.86 | 560 | 41.9 | 3085 0221 02 | 22 | 0.86 | 340 | 13.4 | 3085 0236 02 | |
| | | | | | | | 22 | 0.86 | 550 | 21.7 | 3085 0236 03 | |
|  | Flat chisel | 32 | 1.26 | 335 | 13.1 | 3085 0989 00 | 32 | 1.26 | 340 | 13.4 | 3085 0252 00 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
|  | Wide flat chisel | 50 | 1.97 | 335 | 13.1 | 3085 0235 00 | 50 | 1.97 | 340 | 13.4 | 3085 0250 00 | |
| | Extra wide flat chisel | 130 | 5.12 | 400 | 15.7 | 3085 0342 00 | 130 | 5.12 | 400 | 15.7 | 3085 0998 00 | |
|  | Angle scraper chisel | 50 | 1.97 | 335 | 13.1 | 3085 0349 00 | 50 | 1.97 | 335 | 13.2 | 3085 0350 00 | |
| | | | | | | | | | | | | |
|  | Moil point chisel | 22 | 0.86 | 335 | 13.1 | 3085 0223 00 | 22 | 0.86 | 340 | 13.4 | 3085 0249 00 | |
| | | 22 | 0.86 | 560 | 15.7 | 3085 0223 01 | | | | | | |

Drilling



Atlas Copco handheld drills are built to provide consistent reliability and performance in a wide range of applications, such as drilling in steel, composites and other materials. The advanced ergonomic designs of the tools makes your job easier, safer and more efficient.

LBB features



Selection Guide

Drilling

The speed for a specific drilling operation should be chosen on the basis of; the material, the workpiece and the diameter of the hole.

| Drills | Mild steel 20-30 m/min | Alloy steel 5-15 m/min | Cast iron 15-20 m/min | Aluminium & bronze 50-80 m/min | Wook & board 80-150 m/min | Composite 50-100 m/min |
|--------|------------------------|------------------------|-----------------------|--------------------------------|---------------------------|------------------------|
| r/min | Drill dia. mm | Drill dia. mm | Drill dia. mm | Drill dia. mm | Drill dia. mm | Drill dia. mm |
| 20000 | | | | 1.0 | 1.0 - 2.0 | 1.0 - 2.0 |
| 6000 | 1.0 - 2.0 | | 1.0 | 2.0 - 4.0 | 4.0 - 8.0 | 3.0 - 5.0 |
| 5400 | 1.0 - 2.0 | | 1.0 | 3.0 - 5.0 | 4.0 - 8.0 | 3.0 - 6.0 |
| 4500 | 1.0 - 2.0 | 1.0 | 1.0 | 4.0 - 6.0 | 6.0 - 10.0 | 4.0 - 7.0 |
| 3300 | 2.0 - 3.0 | 1.0 | 1.0 - 2.0 | 5.0 - 8.0 | 8.0 - 12.0 | 5.0 - 9.0 |
| 2400 | 2.5 - 6.0 | 1.0 - 2.0 | 2.0 - 3.0 | 6.0 - 8.0 | 8.0 - 13.0 | |
| 2000 | 2.5 - 6.0 | 1.0 - 2.0 | 2.0 - 4.0 | 7.0 - 10.0 | 8.0 - 13.0 | |
| 1000 | 6.0 - 10 | 2.0 - 5.0 | 5.0 - 6.0 | | | |
| 750 | 8.0 - 13.0 | 2.0 - 7.0 | 7.0 - 9.0 | | | |
| 500 | 8.0 - 13.0 | 3.0 - 10.0 | 10.0 - 13.0 | | | |

Drills



Atlas Copco **LBB drills** are ergonomically designed and equipped with rubber pistol grip handles to reduce vibration and temperature differences.

Regardless of which model you choose, you'll get a product with superior ergonomics and productivity.

- Quiet – Very low noise level.
- Comfortable grip – For high precision.
- Two-hand grip available – Gives even greater flexibility.
- Lubrication-free – For clean working environment and operator comfort.

| Model | Free speed r/min | Chuck capacity in | Weight with chuck | | Air consumption at free speed | | Hose size | | Air inlet thread | | Stall torque | | With chuck | | Without chuck | |
|---|------------------|-------------------|-------------------|-----|-------------------------------|------|-----------|------|------------------|-----|--------------|------|--------------|--------|---------------|--|
| | | | kg | lb | l/s | cfm | mm | in | NTP | W | hp | Nm | Ordering No. | Model | Ordering No. | |
| LBB26 EPX-003 ^b | 300 | 1/2 | 0.82 | 1.8 | 14.5 | 31.8 | 10.0 | 3/8 | 1/4 | 500 | 0.7 | 53.5 | 8421 0500 00 | 003-U | 8421 0500 01 | |
| LBB26 EPX-005 ^b | 500 | 1/2 | 0.82 | 1.8 | 14.5 | 31.8 | 10.0 | 3/8 | 1/4 | 500 | 0.7 | 31.6 | 8421 0500 02 | 005-U | 8421 0500 03 | |
| LBB26 EPX-007 ^b | 700 | 1/2 | 0.82 | 1.8 | 14.5 | 31.8 | 10.0 | 3/8 | 1/4 | 500 | 0.7 | 24.6 | 8421 0500 04 | 007-U | 8421 0500 05 | |
| LBB26 EPX-013 ^{ab} | 1300 | 3/8 | 0.79 | 1.7 | 14.5 | 31.8 | 10.0 | 3/8 | 1/4 | 500 | 0.7 | 14.7 | 8421 0500 06 | 013-U | 8421 0500 07 | |
| LBB26 EPX-019 ^a | 1900 | 3/8 | 0.79 | 1.7 | 14.5 | 31.8 | 10.0 | 3/8 | 1/4 | 500 | 0.7 | 9.9 | 8421 0500 24 | 019-U | 8421 0500 25 | |
| LBB26 EPX-026 ^a | 2600 | 5/16 | 0.79 | 1.7 | 14.5 | 31.8 | 10.0 | 10.0 | 3/8 | 500 | 1/4 | 0.7 | 7.7 | 026-U | 8421 0500 08 | |
| LBB26 EPX-033 ^a | 3300 | 5/16 | 0.69 | 1.5 | 14.5 | 31.8 | 10.0 | 10.0 | 3/8 | 500 | 1/4 | 0.7 | 5.7 | 033-U | 8421 0500 10 | |
| LBB26 EPX-045 ^a | 4500 | 5/16 | 0.69 | 1.5 | 14.5 | 31.8 | 10.0 | 10.0 | 3/8 | 500 | 1/4 | 0.7 | 4.1 | 045-U | 8421 0500 12 | |
| LBB26 EPX-060 ^a | 6000 | 5/16 | 0.69 | 1.5 | 14.5 | 31.8 | 10.0 | 10.0 | 3/8 | 500 | 1/4 | 0.7 | 3.3 | 060-U | 8421 0500 14 | |
| LBB26 EPX-200 ^a | 22000 | 1/4 | 0.69 | 1.5 | 14.5 | 31.8 | 10.0 | 10.0 | 3/8 | 500 | 1/4 | 0.7 | 0.8 | 200-U | 8421 0500 28 | |
| LBB36 H005 ^b | 500 | - | 1.2 | 3.3 | 16.5 | 34.9 | 10 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 43.8 | -H005U | - | |
| LBB36 H007 ^b | 700 | 1/2 | 1.6 | 3.5 | 16.5 | 34.9 | 10 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 37.2 | -H007U | 8421 0408 07 | |
| LBB36 H013 ^a | 1300 | 3/8 | 1.5 | 3.3 | 16.5 | 34.9 | 10.0 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 19.5 | -H013U | 8421 0408 15 | |
| LBB36 H026 ^a | 2600 | 3/8 | 1.2 | 2.5 | 16.5 | 34.9 | 10.0 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 10.3 | -H026U | 8421 0408 33 | |
| LBB36 H033 ^a | 3300 | 3/8 | 1.2 | 2.5 | 16.5 | 34.9 | 10.0 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 8.6 | -H033U | 8421 0408 41 | |
| LBB36 H060 ^a | 6000 | 1/4 | 1.2 | 2.5 | 16.5 | 34.9 | 10.0 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 5.0 | -H060U | 8421 0408 49 | |
| LBB36 H200 ^a | 22000 | 1/4 | 1.0 | 2.2 | 16.5 | 34.9 | 10.0 | 10.0 | 3/8 | 700 | 3/8 | 0.9 | 1.3 | -H200U | 8421 0408 55 | |
| LBB37 H006 | 600 | 1/2 | 1.2 | 2.5 | 20.5 | 44.0 | 10.0 | 10.0 | 3/8 | 820 | 3/8 | 1.1 | 48.0 | -H006U | 8421 0608 06 | |
| LBB37 H015 | 1500 | 3/8 | 1.5 | 3.3 | 20.5 | 44.0 | 10.0 | 10.0 | 3/8 | 820 | 3/8 | 1.1 | 22.5 | -H015U | 8421 0608 05 | |
| LBB37 H037 | 3700 | 3/8 | 1.2 | 2.5 | 20.5 | 44.0 | 10.0 | 10.0 | 3/8 | 820 | 3/8 | 1.1 | 9.2 | -H037U | 8421 0608 13 | |
| LBB37 H065 | 6500 | 1/4 | 1.2 | 2.5 | 20.5 | 44.0 | 10.0 | 10.0 | 3/8 | 820 | 3/8 | 1.1 | 5.0 | -H065U | 8421 0608 11 | |
| LBB37 H230 | 23000 | 1/4 | 1.0 | 2.2 | 20.5 | 44.0 | 10.0 | 10.0 | 3/8 | 820 | 3/8 | 1.1 | 1.3 | -H230U | 8421 0608 03 | |
| LBB45 H004 ^b | 400 | 5/8 | 4.3 | 9.3 | 10.0 | 21.0 | 10.0 | 10.0 | 3/8 | 700 | 1/4 | 0.9 | - | - | 8421 0501 16 | |
| LBB45 H006 ^b | 600 | 5/8 | 4.3 | 9.3 | 10.0 | 21.0 | 10.0 | 10.0 | 3/8 | 700 | 1/4 | 0.9 | - | -H006U | 8421 0501 24 | |
| LBB45 H017 ^b | 1700 | 5/8 | 4.2 | 9.3 | 10.0 | 21.0 | 10.0 | 10.0 | 3/8 | 700 | 1/4 | 0.9 | - | - | 8421 0501 32 | |
| ATEX certified model^a | | | | | | | | | | | | | | | | |
| LBB26 EPX005-ATEX | 500 | 1/2 | | 1.8 | | 31.8 | | 10.0 | 3/8 | | 1/4 | 0.7 | - | - | 8421 0500 22 | |
| LBB26 EPX007-ATEX | 700 | 1/2 | | 1.8 | | 31.8 | | 10.0 | 3/8 | | 1/4 | 0.7 | - | - | 8421 0500 21 | |
| LBB26 EPX013-ATEX | 1300 | 3/8 | | 1.7 | | 31.8 | | 10.0 | 3/8 | | 1/4 | 0.7 | - | - | 8421 0500 20 | |
| LBB26 EPX026-ATEX | 2600 | 5/16 | | 1.7 | | 31.8 | | 10.0 | 3/8 | | 1/4 | 0.7 | - | - | 8421 0500 19 | |

^a Including chuck guard ^b Including support handle

Accessories

Key chucks

| Mount | Body diam mm | Chuck capacity in | Ordering No. | | |
|-----------|-----------------|----------------------|---------------------|--------------|--------------------|
| | | | Chuck (key incl) | Key only | Key designation |
| 1/2-20UNF | 43 | 5/8 | 4021 0289 01 | 4021 0465 00 | S2 |
| 3/8-24UNF | 30 | 1/4 | 4021 0283 00 | 4021 0293 00 | S1 |
| 3/8-24UNF | 30 | 5/16 | 4021 0495 00 | 4021 0293 00 | S1 |
| 3/8-24UNF | 36 | 3/8 | 4021 0416 00 | 4021 0449 00 | S8 |
| 3/8-24UNF | 46 | 1/2 | 4021 0289 00 | 4021 0465 00 | S2 |
| JT3 | 59 | 5/8 | 4021 0423 00 | 4021 0301 00 | S3 |



Key chuck



Quick chuck

Quick chucks

| Mount | Chuck dia mm | Chuck capacity in | Ordering No. |
|-----------|-----------------|----------------------|--------------|
| 3/8-24UNF | 34 | 1/4 | 4021 0400 00 |
| 3/8-24UNF | 34 | 5/16 | 4021 0401 00 |
| 3/8-24UNF | 36 | 3/8 | 4021 0402 00 |
| 3/8-24UNF | 36 | 1/2 | 4021 0403 00 |



Power feed arm

Power feed arm for extra feed force - LBB36 H005 AND LBB37 H006

| Model | Ordering No. |
|--|--------------|
| Adapter piece (SR295), lever arm (SR201), chain (SR202) and NO. 2 Morse socket (SR206) | 4110 1416 80 |
| Two extension pieces (SR204-1 and SR204-2), 370 and 750 mm long | 4110 1417 80 |
| No. 2 Morse socket | 4110 1416 01 |

Chuck guards

| For model | Max chuck dia mm | Ordering No. |
|-----------|---------------------|--------------|
| LBB26 | 36 | 4110 1728 02 |
| LBB26 | 30 | 4110 1728 03 |
| LBB36 a | 36 | 4110 1415 00 |
| LBB37 a | 36 | 4110 1415 00 |

^aThe chuck guards do not fit the 500 r/min, 600 r/min or 700 r/min models.



Chuck guard



Support handle

Support handles

| For model | Ordering No. |
|-----------|--------------|
| LBB26 | 4110 1355 95 |
| LBB36/37 | 4110 1355 82 |
| LBB45 | 4110 1355 84 |

Productivity Kit

| Model | Max air flow | Hose 16.4 ft | Coupling | Lubrication | Ordering No. |
|--------------------------------|--------------|-----------------|--------------|-------------|--------------|
| MIDI Optimizer F/R EQ08US-C06 | 12 cfm | Cablair 06 | ErgoQIC 08US | No | 8202 0850 21 |
| MIDI Optimizer F/RD EQ08US-C06 | 19 cfm | Cablair 06 | ErgoQIC 08US | Yes | 8202 0850 22 |
| MIDI Optimizer F/RD EQ08US-C08 | 19 cfm | Cablair 08 | ErgoQIC 08US | Yes | 8202 0850 23 |
| MIDI Optimizer F/R EQ08US-C08 | 19 cfm | Cablair 08 | ErgoQIC 08US | No | 8202 0850 24 |
| MIDI Optimizer F/RD EQ10US-C10 | 34 cfm | Cablair 10 | ErgoQIC 10US | Yes | 8202 0850 25 |
| MIDI Optimizer F/RD EQ10US-R10 | 34 cfm | Rubair 10 | ErgoQIC 10US | Yes | 8202 0850 26 |
| MIDI Optimizer F/RD EQ10US-C13 | 50 cfm | Cablair 13 | ErgoQIC 10US | Yes | 8202 0850 27 |
| MIDI Optimizer F/RD EQ10US-R13 | 50 cfm | Rubair 13 | ErgoQIC 10US | Yes | 8202 0850 28 |

Drills

tappers



Atlas Copco **TAPPERS** are designed for tapping and thread-cleaning operations with thread taps. The tools are fitted with a tap chuck as standard.

- Comfortable and effective – The ergonomically designed handle gives a comfortable grip and maximum performance.
- Higher productivity – Double speed when you withdraw the machine.
- Low noise level – Rear-directed exhaust gives a lower noise level.
- Lubrication-free – For a clean working environment and operator comfort.
- Quick change system – Upgrade your old tool, or order a new one with this system. Various tap holders can be used to change a broken tap or to change to a different tap size.
- Lower cost – The efficient air motor, together with interchangeable components from our standard drills, cut your costs.

| Model | Free speed | | Tapping capacity in | Weight | | Hose dimension | | Air inlet thread NTP | Air consumption | | With chuck Ordering No. | |
|---|------------------|------------------|------------------------|--------|-----|----------------|-----|-------------------------|-----------------|------|----------------------------|--|
| | Forward r/min | Reverse r/min | | kg | lb | mm | in | | l/s | cfm | | |
| Pistol-grip tappers with air supply through handle | | | | | | | | | | | | |
| LGB34 H007 | 700 | 1400 | 3/8 | 1.8 | 4.0 | 10.0 | 3/8 | 1/4 | 7.5 | 15.9 | 8421 0311 66 | |
| LGB34 H007Q ^a | 700 | 1400 | 3/8 | 1.8 | 4.0 | 10.0 | 3/8 | 1/4 | 7.5 | 15.9 | 8421 0311 76 | |
| LGB36 H007Q ^a | 700 | 1400 | 1/2 | 2.0 | 4.4 | 10.0 | 3/8 | 3/8 | 16.5 | 34.9 | 8421 0411 00 | |
| Straight tappers | | | | | | | | | | | | |
| LGB34 S007 | 700 | 1400 | 3/8 | 1.8 | 4.0 | 10.0 | 3/8 | 1/4 | 7.5 | 15.9 | 8421 0311 72 | |

^a Quick change system.

Taper: Jacob 1

Accessories Included

Non Quick change system

LGB34 Chuck complete with collet 6.4-10 mm 4021 0469 00

Quick change system

Chuck plus one tap holder with collet for M6 shank Ø 6.3 mm.

Optional Accessories

Collets for non Quick change system

| Model | Capacity | | Ordering No. |
|-------|-----------|---------------|--------------|
| | mm | inch | |
| LGB34 | 3.5 - 6.5 | 0.139 - 0.257 | 4021 0337 00 |
| | 4.5 - 8.1 | 0.176 - 0.320 | 4021 0336 00 |
| | 6.4 - 9.7 | 0.253 - 0.383 | 4021 0456 00 |

Completing existing equipment with Quick change system

| Accessories | Length mm | Ordering No. |
|--------------------|--------------|--------------|
| Quick change chuck | 47 | 4021 0406 90 |
| Tap holder | 58 | 4021 0408 00 |

Collets for Quick change system

| Collets for tap size mm | Shank dia | | Ordering No. |
|----------------------------|-----------|-------------|--------------|
| | mm | in | |
| M2.2/M2.5 | 2.8 | | 4021 0414 01 |
| M3 | 3.15 | 1/8 | 4021 0414 02 |
| M3.5 | 3.5 | | 4021 0414 03 |
| M4 | 4.0 | | 4021 0414 04 |
| M4.5 | 4.5 | | 4021 0414 05 |
| M5 | 5.0 | 3/16 | 4021 0414 06 |
| M5.5 | 5.6 | 7/32 | 4021 0414 07 |
| M6 | 6.4 | 1/4 | 4021 0414 08 |
| M6 (DIN) | 6.0 | | 4021 0414 13 |
| M7 | 7.1 | 9/32 | 4021 0414 09 |
| M8/M11 | 8.0 | 5/16 & 7/16 | 4021 0414 10 |
| M9/M12 | 9.0 | 1/2 | 4021 0414 11 |
| M10 | 10.0 | 3/8 | 4021 0414 12 |

Drills

screw-feed drills

Atlas Copco **SCREW-FEED DRILLS** are ideal for heavy-duty drilling operations requiring high feed forces. They can also be used for reaming and tube-rolling.

- Reliable – Simple, reliable design.
- Constant speed – The speed governor keeps the drilling speed constant and reduces air consumption as power is reduced.
- Safer – The safety catch prevents accidental starting. The throttle is also self-closing.



| Model | Forward | Reverse |
|-------|-------------------|-------------------|
| RAB9 | 0.85 kW (1.14 hp) | 0.55 kW (0.74 hp) |
| RAB12 | 1.5 kW (2.0 hp) | 1.1 kW (1.5 hp) |

| Model | Free speed r/min | Capacity | | | | Morse taper No. | Length feed in | Height in | Weight lb | Hose dimension | | Air consumption max output cfm | Distance to center | Air inlet thread NTP | Ordering No. |
|------------|---------------------|-------------|--------------|----------------|----|-----------------|----------------|-----------|-----------|----------------|---------|--------------------------------|--------------------|----------------------|--------------|
| | | Drilling in | Reaming Inch | Tap- ing In | in | | | | | in | | | | | |
| RAB9 VR003 | 300 | 15/16 | 15/16 | 15/16 | 2 | 2 15/16 | 10.4 | 20.9 | 1/2 | 1/2 | 1 7/8 | 1 9/16 | 1/2 | 8421 5109 37 | |
| RAB9 VR006 | 600 | 15/16 | 15/16 | 1/2 | 2 | 2 15/16 | 10.4 | 20.9 | 1/2 | 1/2 | 1 15/16 | 1 9/16 | 1/2 | 8421 5109 45 | |
| RAB12 L150 | 140 | 2 | 1 9/16 | 1 1/4 | 4 | 3 9/16 | 15.2 | 32.8 | 1/2 | 5/8 | 2 1/2 | 2 | 1/2 | 8421 5112 08 | |
| RAB12 L250 | 240 | 2 | 1 9/16 | 1 3/16 | 4 | 3 9/16 | 13.2 | 32.8 | 1/2 | 5/8 | 2 3/4 | 2 | 1/2 | 8421 5112 16 | |
| RAB12 L450 | 475 | 1 1/4 | 1 1/4 | 15/16 | 3 | 3 9/16 | 13.4 | 28.4 | 1/2 | 5/8 | 2 11/16 | 2 | 1/2 | 8421 5112 24 | |

Accessories Included

Hose fitting/air chuck

Optional Accessories

Square drive adapter

| Morse taper No. | Square drive in | Ordering No. |
|-----------------|-----------------|--------------|
| 3 | 1 | 4021 0394 00 |
| 4 | 1 | 4021 0395 00 |



Square drive adapter

Product safety

This is your responsibility

Always read and understand the safety information supplied with the tool and on www.atlascopco.com
All locally legislated safety rules regarding installation, operation and maintenance shall be respected at all times.

1. Check the free speed

- The measured speed at a pressure of 6.3 bars must not exceed the rated speed, which is marked on the grinder.
- Remove the grinding wheel and outer flange before checking the free speed.
- Carry out checks daily.
- Make sure the speed marking on the tool is legible.
- Return the machine for repair in the event of overspeeding.



2. Check the wheel guard

The wheel guard protects your health and safety.

- Always use the recommended wheel guard.
- Check that it is not damaged.
- Never use a grinder without the wheel guard.
- Position the wheel guard between yourself and the grinding wheel.

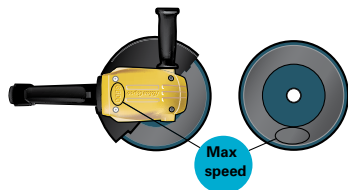


Check that the trigger is working correctly.

- The trigger must never be removed or fixed by tape for example.
- If the trigger is not working properly, make sure that it is replaced.

3. Maximum speed

Make sure that the stated maximum speed of the grinding wheel is greater than or equal to the speed specified on the grinder.



4. Check the grinding wheel

Make sure that the grinding wheel is not cracked or damaged in any way.

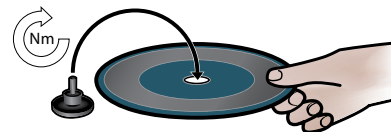
- The grinding wheel should have the correct hole dimensions and be fitted correctly on the spindle to avoid unbalanced vibrations.
- Damaged grinding wheels must be removed and replaced immediately.
- Do not use dropped or damaged wheels, as these can cause serious injuries.



5. Check the flange and wheel

Make sure that flange and wheel combinations correspond to national regulations.

- Check that the flanges are undamaged and clean.
- Attach the wheel with the recommended torque.
- Always disconnect the air supply when changing the wheel or adjusting the tool.
- Test-run your grinder in a protected area after assembling the wheel.
- Check that the grinder is working correctly.



6. Personal protection equipment

Make sure that operators wear:

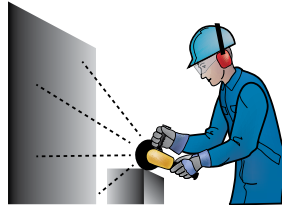
- Eye protection, goggles or a visor.
- Ear protection.
- Gloves.
- Steel toe-capped shoes.
- Protective clothing, such as a leather apron.
- A helmet (for heavier applications).
- Avoid loosely hanging clothing, hair, jewellery (risk of getting caught).



7. Working area

Ensure that the area in which you are working is kept free from other people so that no one can get injured.

- People nearby must also wear hearing and eye protection.
- Check that there is good ventilation and dust extraction from the premises.
- There should be a stand or a place available, on which the machine can be safely placed.
- Work within a sealed-off area, if possible with protecting walls, since there is a risk that broken discs could fly off.



During work

Stop using the grinder if abnormally loud noises and vibrations occur during use. The grinder and its accessories must not be modified in any way.

After the work is finished

Make sure the machine is switched off and has come to a complete stop before it is put down. Put down the tool carefully, so that there is no risk of the tool starting by itself.



Maintenance

Make sure you follow the service instructions provided and the recommended service intervals. Do not dismantle safety-related parts such as the speed governor and overspeed shut off. These parts should be completely replaced when damaged.

| Grinding wheel dia in | Surface feet per minute | | | | | | | | | | | | | | | |
|------------------------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 4 | 4,5 | 5 | 5,5 | 6 | 6,5 | 7 | 7,5 | 8 | 8,5 | 9 | 9,5 | 10 | 12 | 12 | 14,2 |
| Revolutions per minute | | | | | | | | | | | | | | | | |
| 1 | 15,279 | 17,189 | 19,099 | 21,008 | 22,918 | 24,828 | 26,737 | 28,647 | 30,558 | 32,467 | 34,377 | 36,287 | 38,197 | 45,837 | 47,746 | 54,24 |
| 1 1/2 | 10,186 | 11,459 | 12,732 | 14,006 | 15,279 | 16,552 | 17,825 | 19,099 | 20,372 | 21,645 | 22,918 | 24,192 | 25,465 | 30,558 | 31,831 | 36,16 |
| 2 | 7,639 | 8,594 | 9,549 | 10,504 | 11,459 | 12,414 | 13,369 | 14,324 | 15,279 | 16,234 | 17,189 | 18,144 | 19,099 | 22,918 | 23,873 | 27,12 |
| 2 1/2 | 6,112 | 6,875 | 7,639 | 8,403 | 9,167 | 9,931 | 10,695 | 11,459 | 12,223 | 12,987 | 13,751 | 14,515 | 15,279 | 18,335 | 19,099 | 21,696 |
| 3 | 5,093 | 5,73 | 6,366 | 7,003 | 7,639 | 8,276 | 8,913 | 9,549 | 10,186 | 10,823 | 11,459 | 12,096 | 12,732 | 15,279 | 15,915 | 18,08 |
| 3 1/2 | 4,365 | 4,911 | 5,457 | 6,002 | 6,548 | 7,094 | 7,639 | 8,185 | 8,731 | 9,276 | 9,822 | 10,368 | 10,913 | 13,096 | 13,642 | 15,497 |
| 4 | 3,82 | 4,297 | 4,775 | 5,252 | 5,73 | 6,207 | 6,685 | 7,162 | 7,64 | 8,117 | 8,594 | 9,072 | 9,549 | 11,459 | 11,937 | 13,56 |
| 5 | 3,056 | 3,438 | 3,82 | 4,202 | 4,584 | 4,966 | 5,348 | 5,73 | 6,112 | 6,494 | 6,875 | 7,257 | 7,639 | 9,167 | 9,549 | 10,848 |
| 6 | 2,546 | 2,865 | 3,183 | 3,501 | 3,82 | 4,138 | 4,465 | 4,775 | 5,093 | 5,411 | 5,73 | 6,048 | 6,366 | 7,639 | 7,958 | 9,04 |
| 7 | 2,183 | 2,456 | 2,728 | 3,001 | 3,274 | 3,547 | 3,82 | 4,093 | 4,365 | 4,638 | 4,911 | 5,148 | 5,457 | 6,548 | 6,821 | 7,749 |
| 8 | 1,91 | 2,149 | 2,387 | 2,626 | 2,865 | 3,104 | 3,342 | 3,581 | 3,82 | 4,058 | 4,297 | 4,536 | 4,775 | 5,73 | 5,968 | 6,78 |
| 9 | 1,699 | 1,91 | 2,122 | 2,334 | 2,546 | 2,759 | 2,971 | 3,183 | 3,395 | 3,608 | 3,82 | 4,032 | 4,244 | 5,093 | 5,305 | 6,027 |



FASTENING TOOLS

CONTENT

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Impact Wrenches



Atlas Copco's powerful impact wrenches are designed to cut production times by providing rapid rundown and fast tightening. They offer high reliability and are designed to give trouble-free operation in the toughest conditions. Few tools can match Atlas Copco's impact wrenches when it comes to capacity-to-weight ratio and simplicity in use and maintenance.

Selection Guide

| Square drive size in | Recommended Torque range | Bolt size | Max torque |
|----------------------|--------------------------|-----------|------------|
| 3/8 | 7 - 90 | 6 - 10 | 150 |
| 1/2 | 10 - 375 | 10 - 16 | 850 |
| 3/4 | 100 - 800 | 16 - 20 | 1900 |
| 1 | 300 - 1800 | 20 - 30 | 4450 |
| 1 1/2 | 1000 - 5500 | 30 - 42 | 10000 |

Impact wrenches



LMS58 HR25



LMS18 HR13



LMS38 HR13

LMS pistol grip impact wrenches have a wide operating range. Equipped with an advanced impact mechanism, LMS will give you powerful tightening and disassembly with negligible reaction force.

The high capacity-to-weight ratio and state-of-the-art impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.

| Model | Bolt size [in] | Square drive size [in] | Torque range [ft lb] | Max torque [ft lb] | Impacts per min [per min] | Free speed [r/min] | Weight [lb] | Length excl anvil [in] | Air consumption @ max [cfm] | Rec. hose size [in] | Air inlet thread [in] | Retainer | | | Ordering No |
|--------------|----------------|------------------------|----------------------|--------------------|---------------------------|--------------------|-------------|------------------------|-----------------------------|---------------------|-----------------------|----------|------|--------------|--------------|
| | | | | | | | | | | | | Pin | Ring | Through hole | |
| LMS08 HR10 | 1/4" - 5/16" | 3/8" | 5-33 | 48 | 1650 | 14000 | 2 | 7.3 | 5 | 1/4" | 1/4" | • | | | 8434 1080 00 |
| LMS08 HR42 | 1/4" - 5/16" | 1/4" ^a | 5-26 | 44 | 1650 | 14000 | 2 | 7.3 | 5 | 1/4" | 1/4" | | | | 8434 1080 05 |
| LMS18 HR13 | 3/8" | 1/2" | 7-81 | 110 | 1500 | 8100 | 3.2 | 5.7 | 18 | 3/8" | 1/4" | • | | | 8434 1180 00 |
| LMS18 HR10 | 3/8" | 3/8" | 7-66 | 88 | 1650 | 8100 | 3.2 | 5.8 | 14 | 3/8" | 1/4" | • | | | 8434 1180 01 |
| LMS18 HR13/F | 3/8" | 1/2" | 7-81 | 110 | 1500 | 8100 | 3.2 | 5.7 | 18 | 3/8" | 1/4" | | • | | 8434 1180 02 |
| LMS18 HR10/F | 3/8" | 3/8" | 7-66 | 88 | 1650 | 8100 | 3.2 | 5.8 | 14 | 3/8" | 1/4" | | • | | 8434 1180 03 |
| LMS28 HR13 | 1/2" | 1/2" | 22-155 | 287 | 1500 | 9500 | 4.1 | 5.8 | 18 | 3/8" | 3/8" | • | | | 8434 1280 00 |
| LMS28 HR13/F | 1/2" | 1/2" | 22-155 | 287 | 1500 | 9500 | 4.1 | 5.8 | 18 | 3/8" | 3/8" | | • | | 8434 1280 01 |
| LMS38 HR13 | 9/16" - 5/8" | 1/2" | 29-276 | 627 | 1350 | 8000 | 5.7 | 6.6 | 21 | 3/8" | 3/8" | • | | | 8434 1380 00 |
| LMS38 HR13/F | 9/16" - 5/8" | 1/2" | 29-276 | 627 | 1350 | 8000 | 5.7 | 6.6 | 21 | 3/8" | 3/8" | | • | | 8434 1380 01 |
| LMS48 HR20 | 5/8" - 3/4" | 3/4" | 74-405 | 1014 | 1100 | 6500 | 7.3 | 6.8 | 25.2 | 1/2" | 3/8" | • | | • | 8434 1480 00 |
| LMS58 HR25 | 3/4" - 7/8" | 1" | 221-590 | 1401 | 900 | 5500 | 10.6 | 8.3 | 30.5 | 1/2" | 3/8" | • | | • | 8434 1580 00 |
| LMS58 HR20 | 3/4" | 3/4" | 221-590 | 1401 | 900 | 5500 | 10.6 | 8.3 | 30.5 | 1/2" | 3/8" | • | | • | 8434 1580 01 |
| LMS68 HR25 | 7/8" - 1 1/8" | 1" | 442-1400 | 3282 | 780 | 5000 | 21.5 | 9.9 | 58.9 | 5/8" | 1/2" | • | | • | 8434 1680 01 |

^a Female hex quick change chuck

^b Torque measured from Skidmore with fixed sensors



LMS68 GIR25

LMS straight versions offer superior performance with a maximum torque of 10,000 reaction-free Nm.

The high capacity-to-weight ratio and advanced impact mechanism also help to minimize operator strain and vibration.

The tools have a Grease Retaining System ensuring optimum tool performance with long service intervals.



LMS08 SR10

| Model | Bolt size [in] | Square drive size [in] | Torque range [ft lb] | Max torque [ft lb] | Impacts per min [per min] | Free speed [r/min] | Weight [lb] | Length excl anvil [in] | Air consumption at max [cfm] | Rec. hose size [in] | Air inlet thread [in] | Retainer | | | Ordering No |
|-------------|-----------------|------------------------|----------------------|--------------------|---------------------------|--------------------|-------------|------------------------|------------------------------|---------------------|-----------------------|----------|------|--------------|--------------|
| | | | | | | | | | | | | Pin | Ring | Through hole | |
| LMS08 SR42 | 1/4" - 5/16" | 1/4" ^a | 5-26 | 44 | 1650 | 12500 | 1.9 | 7.3" | 9.1 | 1/4" | 1/4" | | | | 8434 1081 06 |
| LMS08 SR10 | 1/4" - 5/16" | 3/8" | 5-33 | 48 | 1650 | 12500 | 1.9 | 7.2" | 9.1 | 1/4" | 1/4" | • | | | 8434 1081 11 |
| LMS68 GIR25 | 7/8"- 1 1/8" | 1" | 442-1400 | 3282 | 780 | 5000 | 21 | 13.4" | 59.3 | 5/8" | 1/2" | | • | | 8434 1680 00 |
| LMS68 GOR25 | 7/8"- 1 1/8" | 1" | 442-1400 | 3282 | 780 | 5000 | 21 | 13.4" | 59.3 | 5/8" | 1/2" | | • | | 8434 1680 02 |
| LMS88 GIR38 | 1 1/8" - 1 3/4" | 1 1/2" | 737-4054 | 7370 | 540 | 3800 | 33 | 15" | 69.9 | 5/8" | 1/2" | | • | | 8434 1880 00 |
| LMS88 GOR38 | 1 1/8" - 1 3/4" | 1 1/2" | 737-4054 | 7370 | 540 | 3800 | 33 | 15" | 69.9 | 5/8" | 1/2" | | • | | 8434 1880 01 |

^a Female hex. quick change chuck.

GOR = Outside trigger.
GIR = Inside trigger.

Torque measured from Skidmore with fixed sensors

Accessories

| Suspension yoke | Ordering No. |
|------------------------|--------------|
| LMS68 GIR25/GOR25/HR25 | 4250 0677 81 |
| LMS88 GIR38/GOR38 | 0371 1102 00 |
| LMS18-58 | 4250 0872 90 |

Suspension yoke included LMS08

Service Kits

| | Ordering No. |
|-------|--------------|
| LMS08 | 4081 0465 90 |
| LMS18 | 4081 0466 90 |
| LMS28 | 4081 0467 90 |
| LMS38 | 4081 0468 90 |
| LMS48 | 4081 0461 90 |
| LMS58 | 4081 0445 90 |
| LMS68 | 4081 0442 90 |
| LMS88 | 4081 0443 90 |



NEED BETTER AIR FLOW?

Check out our full range of Air Line accessories in chapter Air Line Installation.

High Torque Nutrunners



With the Atlas Copco LMP/LTP61 range of twin-motor pistol grip nutrunners you get the highest possible torque and speed in relation to the weight of the tool. Fast, accurate and highly user-friendly, the tools are available in reversible versions for maximum flexibility.

High torque

nutrunners



LMP61 H900-25

The twin motors in the **LMP61** pistol grip nutrunner gives extremely fast rundown and high accuracy with minimum air consumption. The torque level on **LMP** models depends on the pressure of the air fed to the tool – higher pressure creates higher torque. A swiveling function makes tool positioning easy and they are available in reversible and non-reversible versions.

| Model | Bolt size [in] | Square drive [in] | Max torque at 91 psi [ft lb] | Min torque at 43 psi [ft lb] | Free speed [r/min] | Weight ^a [lb] | Length [in] | Air consumption at free speed [cfm] | Recommended hose size [in] | Air inlet thread [in] | Spline type | Ordering No |
|-----------------------|----------------|-------------------|------------------------------|------------------------------|--------------------|--------------------------|-------------|-------------------------------------|----------------------------|-----------------------|-------------|--------------|
| Non-reversible | | | | | | | | | | | | |
| LMP24 H005-10 | 5/16" | 3/8" | 22 | 10 | 500 | 2,2 | 8,3" | 23 | 3/8" | 1/4" | 1 | 8431 0245 49 |
| LMP24 H003-13 | 5/16" | 1/2" | 30 | 10 | 330 | 2,6 | 8,3" | 23 | 3/8" | 1/4" | 1 | 8431 0245 64 |
| LMP24 H002-13 | 3/8" | 1/2" | 43 | 20 | 240 | 2,9 | 9,1 | 23 | 3/8" | 1/4" | 2 | 8431 0245 31 |
| LMP61 H230-19 | 5/8" | 3/4" | 170 | 95 | 1000 | 6,6 | 8,8" | 42 | 1/2" | 3/8" | 3 | 8431 0803 19 |
| LMP61 H350-20 | 3/4" | 3/4" | 260 | 145 | 650 | 8,6 | 10,2" | 42 | 1/2" | 3/8" | 4 | 8431 0803 26 |
| LMP61 H500-20 | 3/4" | 3/4" | 370 | 220 | 450 | 8,6 | 10,2" | 42 | 1/2" | 3/8" | 4 | 8431 0803 33 |
| LMP61 H900-25 | 1" | 1" | 665 | 365 | 260 | 9,9 | 11,1 | 42 | 1/2" | 3/8" | 5 | 8431 0803 47 |
| Reversible | | | | | | | | | | | | |
| LMP24 HR003-13 | 5/16" | 1/2" | 22 | 10 | 250 | 2,6 | 8,3" | 23 | 3/8" | 1/4" | 1 | 8431 0245 91 |
| LMP24 HR002-13 | 3/8" | 1/2" | 33 | 15 | 180 | 2,9 | 9,1 | 23 | 3/8" | 1/4" | 2 | 8431 0245 70 |
| LMP61 HR170-13 | 9/16" | 1/2" | 125 | 75 | 1400 | 6,6 | 9,4" | 42 | 1/2" | 3/8" | 3 | 8431 0804 11 |
| LMP61 HR230-19 | 5/8" | 3/4" | 170 | 95 | 1000 | 6,6 | 10,8" | 42 | 1/2" | 3/8" | 3 | 8431 0804 18 |
| LMP61 HR350-20 | 3/4" | 3/4" | 260 | 145 | 650 | 8,6 | 10,8" | 42 | 1/2" | 3/8" | 4 | 8431 0804 25 |
| LMP61 HR500-20 | 3/4" | 3/4" | 370 | 220 | 450 | 8,6 | 12,6 | 42 | 1/2" | 3/8" | 4 | 8431 0804 32 |
| LMP61 HR700-25 | 7/8" | 1" | 520 | 295 | 350 | 9,9 | 12 | 42 | 1/2" | 3/8" | 5 | 8431 0804 39 |
| LMP61 HR900-25 | 1" | 1" | 665 | 365 | 260 | 9,9 | 12 | 42 | 1/2" | 3/8" | 5 | 8431 0804 46 |
| LMP61 HR1500-25 | 1 1/8" | 1" | 1180 | 660 | 140 | 14,9 | 13,6" | 42 | 1/2" | 3/8" | 9 | 8431 0804 53 |

^a Weight excluding reaction bar.

Accessories Included

| FOR LMP24 | FOR LMP61/LTP61 | FOR LTP61 HR1900/2800/3800 |
|-----------------|------------------|----------------------------|
| Suspension yoke | Suspension yoke | Suspension yoke |
| Reaction bar | Protective cover | Protective cover |
| | | Reaction bar |



LTP61 HR900-25-MT

LTP61 pistol grip nutrunners are equipped with twin motors and a shut-off valve that ensures that the tool shuts down when the preset torque level is reached.

The torque-to-weight ratio is extremely high, and the tool is reversible. On the **LTP61 HR900-25-MT** a Multi Torque Selector makes it possible to preset up to four different shut-off levels. This is an efficient solution where various assembly operations take place, multistage tightening operations are required, or many torque settings are needed.

| Model | Bolt size (in) | Square drive (in) | Torque range at 91 psi (ft lb) | Min torque at 43 psi (ft lb) | Free speed (r/min) | Weight ^a (lb) | Length (in) | Air consumption at free speed (cfm) | Recommended hose size (in) | Air inlet thread (in) | Spline type | Ordering No. |
|---|----------------|-------------------|--------------------------------|------------------------------|--------------------|--------------------------|-------------|-------------------------------------|----------------------------|-----------------------|-------------|--------------|
| Non reversible | | | | | | | | | | | | |
| LTP61 H100-13 | 1/2" | 1/2" | 40-75 | 35 | 1800 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0800 07 |
| LTP61 H170-13 | 9/16" | 1/2" | 70-125 | 50 | 1100 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0800 14 |
| LTP61 H230-19 | 5/8" | 3/4" | 90-170 | 60 | 820 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0800 21 |
| LTP61 H350-20 | 3/4" | 3/4" | 140-255 | 105 | 520 | 3.9 | 10,24" | 42 | 1/2" | 3/8" | 4 | 8431 0800 28 |
| LTP61 H500-20 | 3/4" | 3/4" | 200-370 | 160 | 360 | 3.9 | 10,24" | 42 | 1/2" | 3/8" | 4 | 8431 0800 35 |
| LTP61 H700-25 | 7/8" | 1" | 265-480 | 207 | 280 | 4.5 | 12" | 42 | 1/2" | 3/8" | 5 | 8431 0800 42 |
| LTP61 H900-25 | 1" | 1" | 350-640 | 220 | 210 | 4.5 | 11,10" | 42 | 1/2" | 3/8" | 5 | 8431 0800 49 |
| LTP61 H1500-25 | 1 1/8" | 1" | 625-1100 | 516 | 115 | 6.8 | 12,72" | 42 | 1/2" | 3/8" | 9 | 8431 0800 56 |
| Reversible | | | | | | | | | | | | |
| LTP61 HR100-13 | 1/2" | 1/2" | 40-75 | 35 | 1800 | 3.0 | 9,25" | 42 | 1/2" | 3/8" | 3 | 8431 0801 08 |
| LTP61 HR170-13 | 9/16" | 1/2" | 70-125 | 50 | 1100 | 3.0 | 9,37" | 42 | 1/2" | 3/8" | 3 | 8431 0801 15 |
| LTP61 HR230-19 | 5/8" | 3/4" | 90-170 | 60 | 820 | 3.0 | 10,83" | 42 | 1/2" | 3/8" | 3 | 8431 0801 22 |
| LTP61 HR350-20 | 3/4" | 3/4" | 140-255 | 105 | 520 | 3.9 | 10,83" | 42 | 1/2" | 3/8" | 4 | 8431 0801 29 |
| LTP61 HR500-20 | 3/4" | 3/4" | 200-370 | 160 | 360 | 3.9 | 10,83" | 42 | 1/2" | 3/8" | 4 | 8431 0801 36 |
| LTP61 HR700-25 | 7/8" | 1" | 265-480 | 207 | 280 | 4.5 | 12" | 42 | 1/2" | 3/8" | 5 | 8431 0801 43 |
| LTP61 HR900-25 | 1" | 1" | 350-640 | 220 | 210 | 4.5 | 12" | 42 | 1/2" | 3/8" | 5 | 8431 0801 50 |
| LTP61 HR1500-25 | 1 1/8" | 1" | 625-1100 | 516 | 115 | 6.8 | 13,58" | 42 | 1/2" | 3/8" | 9 | 8431 0801 57 |
| LTP61 HR1900-38 | 1 1/8" | 1 1/2" | 770-1400 | 590 | 90 | 14.1 | 14,96" | 42 | 1/2" | 3/8" | 8 | 8431 0801 64 |
| LTP61 HR2800-38 | 1 3/8" | 1 1/2" | 1140-2060 | 885 | 65 | 14.1 | 14,96" | 42 | 1/2" | 3/8" | 8 | 8431 0801 71 |
| LTP61 HR3800-38 | 1 3/4" | 1 1/2" | 1540-2800 | 1180 | 50 | 14.1 | 14,96" | 42 | 1/2" | 3/8" | 8 | 8431 0801 78 |
| Prevailing applications | | | | | | | | | | | | |
| Non reversible | | | | | | | | | | | | |
| LTP61 PH100-13 | 1/2" | 1/2" | 45-80 | 33 | 700 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0807 04 |
| LTP61 PH170-13 | 9/16" | 1/2" | 75-135 | 52 | 440 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0807 12 |
| LTP61 PH230-19 | 5/8" | 3/4" | 95-180 | 66 | 320 | 3.0 | 8,78" | 42 | 1/2" | 3/8" | 3 | 8431 0807 17 |
| LTP61 PH350-20 | 3/4" | 3/4" | 155-275 | 110 | 200 | 3.9 | 10,24" | 42 | 1/2" | 3/8" | 4 | 8431 0807 24 |
| LTP61 PH500-20 | 3/4" | 3/4" | 220-380 | 150 | 140 | 3.9 | 10,24" | 42 | 1/2" | 3/8" | 4 | 8431 0807 31 |
| LTP61 PH700-25 | 7/8" | 1" | 295-500 | 205 | 100 | 4.5 | 12" | 42 | 1/2" | 3/8" | 5 | 8431 0807 38 |
| LTP61 PH900-25 | 1" | 1" | 370-665 | 260 | 80 | 4.5 | 11,1" | 42 | 1/2" | 3/8" | 5 | 8431 0807 41 |
| Prevailing applications - reversible | | | | | | | | | | | | |
| LTP61 PHR1500-25 | 1 1/8" | 1" | 665-1180 | 480 | 45 | 14,9 | 13,58" | 42 | 1/2" | 3/8" | 9 | 8431 0807 68 |
| Multi torque selector | | | | | | | | | | | | |
| LTP61 HR500-20-MT | 3/4" | 3/4" | 200-370 | 160 | 360 | 9,2 | 12,8" | 42 | 1/2" | 3/8" | 4 | 8431 0806 30 |
| LTP61 HR700-25-MT | 7/8" | 1" | 265-480 | 207 | 280 | 10,6 | 13,98" | 42 | 1/2" | 3/8" | 5 | 8431 0806 33 |
| LTP61 HR900-25-MT | 1" | 1" | 350-640 | 220 | 210 | 10,6 | 13,98" | 42 | 1/2" | 3/8" | 5 | 8431 0806 37 |
| LTP61 HR1500-25-MT | 1 1/8" | 1" | 625-1100 | 516 | 115 | 15,6 | 15,55" | 42 | 1/2" | 3/8" | 9 | 8431 0806 44 |

^a Weight excluding reaction bar.

Accessories

For LMP24

| Model | Ordering No. |
|--|--------------|
| Hose nipple | 9000 0247 00 |
| Swivel attachment | 4210 2249 80 |
| Exhaust hose | 4210 2053 00 |
| Support handle (for H/HR002 only) | 4110 1355 82 |
| Spindle extension 4-17/32" x 1/2" (for H/HR002 only) | 4210 2154 80 |
| 1-31/32" x 3/8" (for H/HR011/005 only) | 4210 2158 80 |
| 1/4" hex bit holder (for H/HR011/005 only) | 4021 0443 00 |
| 1/2" square adapter (for H/HR011/005 only) | 4210 2157 80 |

For LMP/LTP61

| Model | Ordering No. |
|---|--------------|
| Hose nipple | 9000 0242 00 |
| Exhaust hose | 4210 2201 00 |
| Protective cover Standard LTP61 | 4210 4672 00 |
| LTP 61 with MT unit | 4210 4672 01 |
| Multi torque selector LTP61 | 4210 4636 95 |
| Quick change retainer – 1/2" square models | 4250 1190 00 |
| – 3/4" square models | 4210 3476 80 |
| – 1" square models | 4210 3524 80 |
| Shut-off override for LTP61 | 4210 3545 80 |
| Swivelling type MultiFlex connector 3/8" (BSP) | 8202 1350 22 |
| Swivelling type MultiFlex connector 3/8" (NPT) | 8202 1350 28 |

Swivelling suspension yoke LMP/LTP61

| Model | Ordering No. |
|-------------------------------|--------------|
| Mounting dia Ø 2-1/2" | |
| PH/H 230-19 | 4210 3088 80 |
| PH/H 350-20 | |
| PH/H 500-20 | |
| PH/H 900-25 | |
| Mounting dia Ø 2-3/8" | |
| HR 170-13 | 4210 3088 84 |
| HR 230-19 | |
| Mounting dia Ø 2-1/2" | |
| HR 1900-38 | 4210 3088 83 |
| HR 2800-38 | |
| HR 3800-38 | |
| Mounting dia Ø 2-5/8" | |
| HR 350-20 | 4210 3088 82 |
| HR 500-20 | |
| PHR/HR 700-25 | |
| PHR/HR 900-25 | |
| HR 1900-38 | 4210 3088 85 |
| HR 2800-38 | |
| HR 3800-38 | |
| Mounting dia Ø 3-9/32" | |
| HR 1500-25 | 4210 3088 81 |



Reaction bars LMP/LTP61

| Spline type | LxWxH | CC distance in | Ordering No. |
|--|--|---------------------|--------------|
| Steel bar | | | |
| Spline 1 | 10-9/16"x 1-27/64"x 45/64" | | 4210 1798 01 |
| Spline 2 | 10-5/8"x 1-3/8" x 13/32" | | 4220 1903 00 |
| Spline 3 | 15-3/4"x 2-7/32"x 15/32" | | 4210 2219 80 |
| Spline 4 | 7-11/16"x 2-7/16"x 19/32" | | 4210 2183 80 |
| Spline 5 | 7-11/16"x 2-7/16"x 19/32" | | 4210 2726 80 |
| Spline 6 | 10-1/16"x 3-5/32"x 19/32" | | 4220 1200 01 |
| Spline 8 | 7-11/16"x 5-29/32"x 25/32" | | 4210 3899 03 |
| Spline 9 | 5-29/32"x 3-11/32"x 25/32" | | 4210 3899 80 |
| Square steel bracket | | | |
| Spline 3 | 3-15/16"x 1-31/32" x 15/32" | | 4210 2219 03 |
| Spline 4 | 4-59/64"x 2-9/16"x 5/8" | | 4210 2183 01 |
| Spline 5 | 4-59/64"x 2-9/16"x 5/8" | | 4210 2726 01 |
| Spline 6 | 7-7/8"x 3-15/16"x 19/32" | | 4220 1200 00 |
| Spline 7 | 9-27/32"x 5-29/32" x 25/32" | | 4220 1445 00 |
| Spline 8 | 9-27/32" x 6-19/64" x 25/32" | | 4220 1972 91 |
| Spline 9 | 5-29/32"x 3-11/32" x 25/32" | | 4210 3899 01 |
| Triangular steel bracket | | | |
| Spline 2 | 2-7/8"x 2-53/64"x 35/64" | | 4220 2137 02 |
| Spline 3 | 3-15/64"x 3-5/32" x 19/32" | | 4220 2137 03 |
| Spline 6 | 4-13/32"x 4-19/64" x 19/32" | | 4220 2137 06 |
| Spline 6 | 5-29/32"x 5-45/64" x 25/32" | | 4220 2137 16 |
| Sliding drive reaction bar | | | |
| Spline 3 | 1/2" | 2-3/4" - 4-3/4" | 4210 4481 83 |
| Spline 3 | 3/4" | 2-3/4" - 4-3/4" | 4210 4481 63 |
| Spline 4 | 3/4" | 3-1/64"-4-31/32" | 4210 4481 84 |
| Spline 4 | 3/4" | 3-7/32"- 8-19/32" | 4210 4616 84 |
| Spline 5 | 1" | 3-5/32"-4-59/64" | 4210 4481 85 |
| Spline 5 | 1" | 3-7/32"- 8-19/32" | 4210 4616 85 |
| Spline 9 | 1" | 3-5/32"- 5-1/8" | 4210 4481 89 |
| Spline 9 | 1" | 3-5/32"- 11-1/32" | 4210 4616 89 |
| S-Type reaction bar | | | |
| Spline 3 | 4-21/64"x 45/64"x 15/32" | | 4210 4480 03 |
| Spline 4 | 4-23/32"x 55/64"x 19/32" | | 4210 4480 04 |
| Spline 5 | 5-1/8"x 63/64"x 19/32" | | 4210 4480 05 |
| Spline 6 | 4-59/64"x 63/64"x 19/32" | | 4210 4480 06 |
| Spline 8 | 7-7/8"x 2-9/16" x 25/32" | | 4210 4480 08 |
| Spline 9 | 6-19/64"x 1-37/64"x25/32" | | 4210 4480 09 |
| L-Type aluminum bar | | | |
| Spline 3 | (10-15/32"+ 11-13/16") x 1-9/64"x 19/32" | | 4210 2219 08 |
| Spline 4 | (5-43/64"+ 5-29/32") x 1-21/32"x 19/32" | | 4210 2183 08 |
| Straight aluminum bar | | | |
| Spline 3 | L = 1' 3- 3/4" | | 4210 2219 01 |
| Extended sliding drive reaction bar | | | |
| Spline 5 | 1" | 2-43/64"- 4-13/32" | 4210 4498 80 |
| Extended sliding tube reaction bar | | | |
| Spline 5 | 1" | 2-43/64"- 4-13/32" | 4210 4498 82 |
| Bracket stepped | | | |
| Spline 1 | 2-3/4" x 1-27/64" x 33/64" | | 4210 1798 02 |
| Spline 2 | 2-3/4"x 1-39/64" x 35/64" | | 4210 2134 02 |
| Service Kits | | | |
| Model | Trigger kit | General service kit | Ordering No. |
| LMP24 | 4210193491 | 4081010590 | |
| LMP/LTP61 | 4210219091 | 4081039790 | |
| Spline 5 | 1" | 2-43/64"- 4-13/32" | 4210 4498 80 |
| Extended sliding tube reaction bar | | | |
| Spline 5 | 1" | 2-43/64"- 4-13/32" | 4210 4498 82 |
| Bracket stepped | | | |
| Spline 1 | 2-3/4" x 1-27/64" x 33/64" | | 4210 1798 02 |
| Spline 2 | 2-3/4"x 1-39/64" x 35/64" | | 4210 2134 02 |
| LMP24 | 4210193491 | 4081010590 | |
| LMP/LTP61 | 4210219091 | 4081039790 | |

RTP

pneumatic nutrunners



The light weight of the **RTP NUTRUNNER** will surprise you, yet its high speed motor has the power you need to tighten big bolts. A robust, lightweight reaction bar absorbs the torque. Noise and vibration levels are lower than in traditional impact wrenches.

Among the smallest on the market, the RTP's slim gearpack gives you effortless access to bolts in cramped spaces. Tightening accuracy and repeatability are high.

Plug & play! Simply connect the RTP to your air line and start working with it. The torque output of the RTP is adjusted with an Atlas Copco FRL air pressure unit, helping to prolong the lifetime and torque accuracy of the tool. The tool's exchangeable drive simplifies maintenance and cuts repair costs.

RTP nutrunner Kit

| Model | Bolt size in | Square drive in | Min torque at 22 psi | Max torque at 91 psi | CS distance in | Air consumption at free speed cfm | Rec hose size in | Air inlet thread in | Ordering No |
|-----------------|-----------------|-----------------------|----------------------------|----------------------------|----------------------|---|------------------------|---------------------------|-------------|
| RTP 1300 - HR20 | 3/4 - 1 1/16 | 3/4 | 236 | 960 | 1 1/3 | 48 | 1/2 | 3/8 | 8431101310 |
| RTP 2600 - HR25 | 3/4 - 1 3/8 | 1 | 520 | 1900 | 1 1/3 | 48 | 1/2 | 3/8 | 8431102610 |
| RTP 4100 - HR25 | 1 3/16 - 1 3/4 | 1 | 738 | 3100 | 1 2/3 | 66 | 1/2 | 3/8 | 8431104010 |
| RTP8100 - GIR38 | 1 1/4 - 2 | 1 1/2 | 1600 | 6000 | 2 | 105 | 1/2 | 1/2 | 8431108110 |

^a Weight excluding reaction bar.

NOTE: For all models in the table declared noise and vibration emissions according to ISO 28927-2 and ISO 15744. Sound pressure level for RTP1300-HR20 is 90 dB(A), RTP2600-HR25 90 dB(A), RTP4100-HR25 90 dB(A), RTP 8100- GIR38 99dB(A) and vibration value for all models are <2.5 m/s².

Accessories Included

| Model | Description | Ordering No. |
|----------------------------|--|--------------|
| RTP 1300 | Reaction bar, S-type | 4210 4480 90 |
| RTP 2600 | Reaction bar, S-type | 4210 4480 94 |
| RTP 4100 | Reaction bar, S-type | 4210 4480 93 |
| RTP 8100 | Reaction bar, S-type | 4210 4480 92 |
| RTP 1300/RTP 2600/RTP 4100 | Nipple, NIP M10U, NPT | 8202 1210 79 |
| RTP 8100 | Nipple, NIP M15U, NPT | 8202 1210 80 |
| RTP 1300/RTP 2600/RTP 4100 | Productivity kit FRL stand, NPT ^b | 9090 3030 05 |
| RTP 8100 | Productivity kit FRL stand, NPT ^b | 9090 3030 03 |

^b Hose included



Optional Accessories

| Model | Description | Ordering No. |
|--------------------|------------------------------|--------------|
| RTP 1300/2600/4100 | MultiFlex swivel 3/8" NPT | 8202 1350 28 |
| RTP 8100 | MultiFlex swivel 1/2" NPT | 8202 1350 30 |
| RTP 1300/2600/4100 | Trigger guard | 4210 4759 90 |
| RTP 1300 | Suspension yoke | 4210 3088 83 |
| RTP 2600 | Suspension yoke | 4210 3088 82 |
| RTP 4100 | Suspension yoke | 4210 3088 81 |
| RTP 8100 | Suspension yoke | 4210 478 090 |
| RTP 1300 | Reaction bar, sliding-drive | 4210 4752 90 |
| RTP 1300 | Reaction bar, steel bar | 4210 4757 90 |
| RTP 1300 | Reaction bar, square bracket | 4210 4758 90 |
| RTP 4100 | Reaction bar sliding-drive | 4210 4752 91 |
| RTP 4100 | Reaction bar, steel bar | 4210 4757 91 |
| RTP 4100 | Reaction bar, square bracket | 4210 4758 91 |
| RTP 2600 | Reaction bar, sliding-drive | 4210 4752 93 |
| RTP 2600 | Reaction bar, steel bar | 4210 4757 93 |
| RTP 2600 | Reaction bar, square bracket | 4210 4758 93 |
| RTP 8100 | Reaction bar, sliding-drive | 4210 4752 92 |
| RTP 8100 | Reaction bar, steel bar | 4210 4757 92 |
| RTP 8100 | Reaction bar, square bracket | 4210 4758 92 |

NOTE: All reaction bars includes a snap ring



Service Kits

| Model | Description | Ordering No. |
|---------|-----------------|--------------|
| RTP1300 | Small parts kit | 4082 0125 90 |
| RTP2600 | Small parts kit | 4082 0148 90 |
| RTP4100 | Small parts kit | 4082 0116 91 |
| RTP8100 | Small parts kit | 4082 0126 90 |
| RTP1300 | Service kit | 4081 0510 90 |
| RTP2600 | Service kit | 4081 0510 90 |
| RTP4100 | Service kit | 4081 0504 90 |
| RTP8100 | Service kit | 4081 0511 90 |



Hydraulic Wrenches

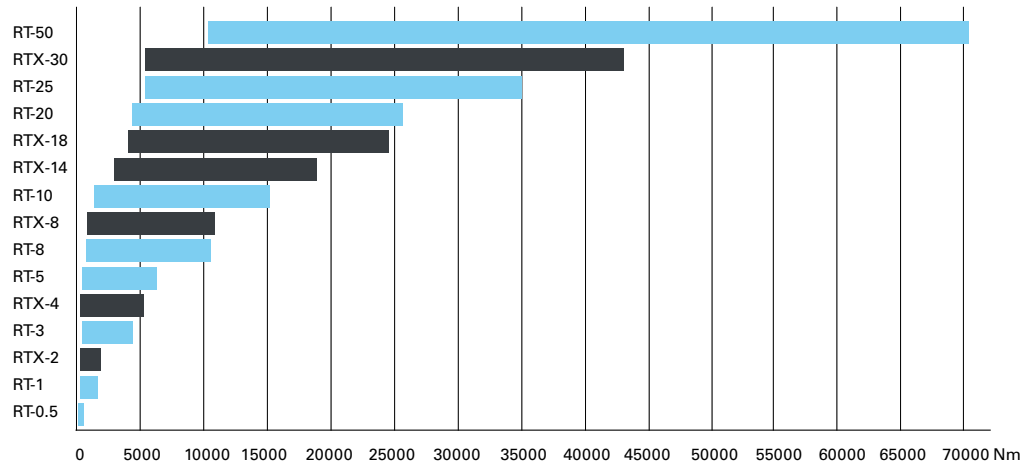


When designing Atlas Copco Rapid-Torc® hydraulic wrenches for very high torque applications, such as torquing flanges, the vision was to build tools that could be relied upon to achieve safe connections in some of the world's most critical applications. From design to manufacturing and calibration, Atlas Copco Rapid-Torc hydraulic wrenches are dedicated to this vision.

TORQUE CHART

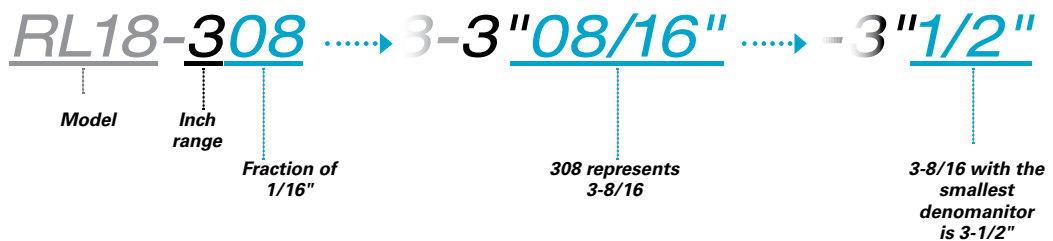
The torque is important to ensure the required clamping force is applied. The chart shows the tightening torque range for the different models in the hydraulic torque wrench product portfolio.

Selection Guide



HOW TO SELECT THE LINK SIZE

Sizes are expressed as MM for metric while imperial have a 3 digit designation.

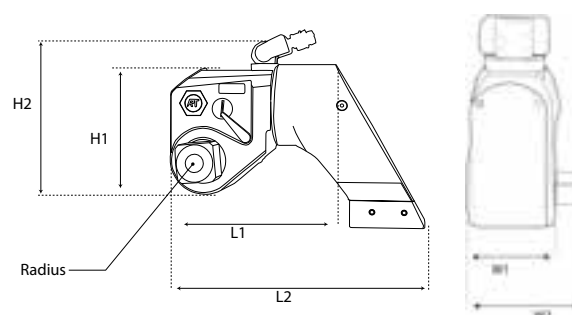


First number indicates inch, and the following two numbers indicate an increment of 1/16". For example: RL 18-308 would be a link that is 3-8/16, with 8/16 being 1/2. Another example, RL04-105 would be a 1-5/16" link. When the link size in metric and imperial are the same size, it is listed together. For example: RL 14-104/32MM would be a link for a nut that is 1-1/4 (4/16 being 1/4) but would also be used for a 32MM nut.

Hydraulic wrenches



Rapid-Torc Hydraulic wrenches in the **RT series** offer extremely high torquing power. There are 9 models to choose from and output accuracy is at $\pm 3\%$ (as per NIST standards).



Square Drive hydraulic torque wrench dimensions

| Model | Dimensions | | | | | | |
|--------|------------|-----|-------|--------|--------|------|-------|
| | L1 | L2 | H1 | H2 | Radius | W1 | W2 |
| | mm | mm | mm | mm | mm | mm | mm |
| RT-0.5 | 81 | 125 | 60.5 | 93 | 13.5 | 33.5 | 50.5 |
| RT-1 | 120 | 183 | 90.5 | 122 | 23 | 50 | 71 |
| RT-3 | 155 | 237 | 120 | 156 | 33 | 66.5 | 95.5 |
| RT-5 | 185 | 288 | 144.5 | 181 | 37 | 80 | 126 |
| RT-8 | 202 | 321 | 164.6 | 213.36 | 41 | 88 | 126 |
| RT-10 | 232 | 357 | 186 | 239 | 48 | 100 | 142.5 |
| RT-20 | 259 | 420 | 216 | 251 | 55.1 | 119 | 170 |
| RT-25 | 310 | 473 | 234 | 282 | 61 | 134 | 191 |
| RT-50 | 390 | 615 | 294 | 344 | 79 | 167 | 228 |

| Model | Torque | | Weight | Ordering No. |
|--------|--------|-------|--------|--------------|
| | min | max | | |
| | Nm | | kg | |
| RT-0.5 | 75 | 538 | 0.4 | 8434 2010 00 |
| RT-1 | 271 | 1817 | 1.9 | 8434 2010 02 |
| RT-3 | 651 | 4379 | 3.9 | 8434 2010 05 |
| RT-5 | 1132 | 7578 | 7.5 | 8434 2010 09 |
| RT-8 | 1627 | 10845 | 11.5 | 8434 2010 13 |
| RT-10 | 2379 | 15617 | 13.4 | 8434 2010 16 |
| RT-20 | 4013 | 26787 | 18 | 8434 2010 20 |
| RT-25 | 5368 | 35096 | 31 | 8434 2010 25 |
| RT-50 | 10675 | 71169 | 48 | 8434 2010 29 |

RT Hex drives

| Model | Hex size | Ordering No. |
|------------------|----------|--------------|
| RT0.5-HX-10MM | 10 mm | 8434 2138 44 |
| RT0.5-HX-12MM | 12 mm | 8434 2138 47 |
| RT0.5-HX-14MM | 14 mm | 8434 2138 50 |
| RT0.5-HX-16MM | 16 mm | 8434 2138 53 |
| RT0.5-HX-17MM | 17 mm | 8434 2138 56 |
| RT0.5-HX-18MM | 18 mm | 8434 2138 59 |
| RT0.5-HX-19MM | 19 mm | 8434 2138 62 |
| RT0.5-HX-20MM | 20 mm | 8434 2138 65 |
| RT0.5-HX-22MM | 22 mm | 8434 2138 68 |
| RT0.5-HX-24MM | 24 mm | 8434 2101 71 |
| RT01-HX-010 | 5/8" | 8434 2138 71 |
| RT01-HX-012 | 3/4" | 8434 2138 74 |
| RT01-HX-014 | 7/8" | 8434 2138 77 |
| RT01-HX-17MM | 17 mm | 8434 2056 96 |
| RT01-HX-19MM | 19 mm | 8434 2056 98 |
| RT01-HX-20MM | 20 mm | 8434 2057 00 |
| RT01-HX-22MM | 22 mm | 8434 2057 02 |
| RT01-HX-24MM | 24 mm | 8434 2057 04 |
| RT01-HX-27MM | 27 mm | 8434 2057 06 |
| RT03-HX-010 | 5/8" | 8434 2057 14 |
| RT03-HX-012 | 3/4" | 8434 2057 16 |
| RT03-HX-014 | 7/8" | 8434 2057 18 |
| RT03HX-100 | 1" | 8434 2057 20 |
| RT03-HX-19MM | 19 mm | 8434 2057 22 |
| RT03-HX-19MM-EXT | 19 mm | 8434 2139 40 |
| RT03-HX-22MM | 22 mm | 8434 2057 24 |
| RT03-HX-22MM-EXT | 22 mm | 8434 2116 22 |
| RT03-HX-24MM | 24 mm | 8434 2057 26 |
| RT03-HX-24MM-EXT | 24 mm | 8434 2116 25 |
| RT03-HX-27MM | 27 mm | 8434 2057 28 |
| RT03-HX-30MM | 30 mm | 8434 2139 46 |
| RT03-HX-32MM | 32mm | 8434 2057 30 |
| RT03-HX-36MM | 36 mm | 8434 2139 49 |
| RT03-HX-36MM-EXT | 36 mm | 8434 2139 52 |
| RT03-HX-38MM | 38 mm | 8434 2139 55 |
| RT05-HX-24MM | 24 mm | 8434 2140 03 |
| RT05-HX-27MM | 27 mm | 8434 2057 36 |
| RT05-HX-27MM-EXT | 27 mm | 8434 2140 09 |
| RT05-HX-32MM | 32 mm | 8434 2140 12 |
| RT05-HX-32MM-EXT | 32 mm | 8434 2140 15 |
| RT05-HX-36MM | 36 mm | 8434 2057 38 |
| RT05-HX-41MM | 41 mm | 8434 2057 40 |
| RT05-HX-41MM-EXT | 41 mm | 8434 2140 18 |
| RT05-HX-46MM | 46 mm | 8434 2057 42 |
| RT05-HX-55MM | 55 mm | 8434 2140 21 |
| RT08-HX-24MM | 24 mm | 8434 2140 45 |
| RT08-HX-27MM | 27 mm | 8434 2140 48 |
| RT10-HX-32MM | 32 mm | 8434 2140 75 |
| RT10-HX-36MM | 36 mm | 8434 2057 46 |
| RT10-HX-41MM | 41 mm | 8434 2057 48 |
| RT10-HX-46MM | 46 mm | 8434 2057 50 |
| RT10-HX-46MM-EXT | 46 mm | 8434 2140 78 |
| RT10-HX-50MM | 50 mm | 8434 2057 52 |

EXT - Extended

Insert bit hex holder adapter

| Model | Description | Ordering No. |
|----------|--------------------------------|--------------|
| H2-7/8 | Hex holder Sq Dr 3/4"-7/8" | 8434 2129 59 |
| H4-1/2 | Hex holder Sq Dr 1/2"-1/2" | 8434 2056 58 |
| H4-7/8 | Hex holder Sq Dr 1/2"-7/8" | 8434 2056 60 |
| H5-1 3/4 | Hex holder Sq Dr 1 1/2"-1 3/4" | 8434 2129 62 |
| H5-1-1/4 | Hex holder Sq Dr 1 1/2"-1 1/4" | 8434 2129 65 |
| H9-1 1/4 | Hex holder Sq Dr 1"-1 1/4" | 8434 2129 68 |
| H9-7/8 | Hex holder Sq Dr 1"-7/8" | 8434 2056 62 |

Insert Bits

| Model | Description | Ordering No. |
|--------------|------------------|--------------|
| 7/8-10 | Hex size 10 mm | 8434 2054 24 |
| 7/8-12 | Hex size 12 mm | 8434 2054 26 |
| 7/8-14 | Hex size 14 mm | 8434 2054 30 |
| 7/8-17 | Hex size 17 mm | 8434 2054 32 |
| 7/8-19 | Hex size 19 mm | 8434 2054 34 |
| 7/8-22 | Hex size 22 mm | 8434 2054 36 |
| 7/8-24 | Hex size 24 mm | 8434 2054 38 |
| 7/8-27 | Hex size 27 mm | 8434 2123 32 |
| 1 1/4-24 | Hex size 24 mm | 8434 2050 18 |
| 1 1/4-27 | Hex size 27 mm | 8434 2050 20 |
| 1 1/4-28 | Hex size 28 mm | 8434 2050 22 |
| 1 1/4-29 | Hex size 29 mm | 8434 2050 24 |
| 1 1/4-30 | Hex size 30 mm | 8434 2050 26 |
| 1 1/4-32 | Hex size 32 mm | 8434 2050 28 |
| 1 1/4-33 | Hex size 33 mm | 8434 2050 30 |
| 1 1/4-36 | Hex size 36 mm | 8434 2124 13 |
| 1 3/4-36 | Hex size 36 mm | 8434 2050 40 |
| 1 3/4-40 | Hex size 40 mm | 8434 2124 16 |
| 1 3/4-41 | Hex size 41 mm | 8434 2050 42 |
| 1 3/4-46 | Hex size 46 mm | 8434 2050 44 |
| 1 3/4-50 | Hex size 50 mm | 8434 2050 46 |
| 7/8-1 | Hex size 1" | 8434 2054 20 |
| 1 1/4-1 | Hex size 1" | 8434 2050 12 |
| 1 1/4-1 1/16 | Hex size 1 1/16" | 8434 2124 10 |
| 1 1/4-1 1/4 | Hex size 1 1/4" | 8434 2050 14 |
| 1 1/4-1 1/8 | Hex size 1 1/8" | 8434 2050 16 |
| 1 3/4-1 1/2 | Hex size 1 1/2" | 8434 2050 32 |
| 1 3/4-1 3/4 | Hex size 1 3/4" | 8434 2050 34 |
| 1 3/4-1 3/8 | Hex size 1 3/8" | 8434 2050 36 |
| 1 3/4-1 5/8 | Hex size 1 5/8" | 8434 2050 38 |
| 7/8-1 12 PT | Hex size 1"-12pt | 8434 2126 86 |
| 7/8-1/2 | Hex size 1/2" | 8434 2054 22 |
| 7/8-13/16 | Hex size 13/16" | 8434 2054 28 |
| 7/8-3/4 | Hex size 3/4" | 8434 2054 40 |
| 7/8-5/8 | Hex size 5/8" | 8434 2054 42 |
| 7/8-7/8 | Hex size 7/8" | 8434 2054 44 |
| 7/8-9/16 | Hex size 9/16" | 8434 2054 46 |

Reaction *arms*

Reaction arms

| Model | Description | Ordering No. |
|--------------|----------------------------|--------------|
| RT0.5-ALC | Alco arm | 4222 2126 76 |
| RT0.5-EXT | Extended reaction arm | 4222 2126 82 |
| RT0.5-SSLV | Reaction sleeve | 4222 2126 88 |
| RT01-ALC | Alco arm | 4222 2102 64 |
| RT01-EXT | Extended reaction arm | 8434 2056 92 |
| RT01-SSLV | Reaction Sleeve | 8434 2057 08 |
| RT01-SSLVF | Reaction Sleeve w/Foot | 8434 2057 09 |
| RT03-ALC | Alco arm | 8434 2057 10 |
| RT03-CAM ARM | Reaction arm cameron style | 4222 2130 12 |
| RT03-EXT | Extended reaction arm | 8434 2057 12 |
| RT03-SLVF | Reaction sleeve W/Foot | 4222 2130 21 |
| RT03-SSLV | Steel reaction sleeve | 8434 2057 32 |
| RT05-03-CAM | Cam style reaction arm | 4222 2130 48 |
| RT05-3 CAM | Reaction arm cameron style | 4222 2130 57 |
| RT05-ALC | Alco arm | 8434 2139 88 |
| RT05-EXT | Extended reaction arm | 8434 2057 34 |
| RT05-SSLV | Steel reaction sleeve | 8434 2140 30 |
| RT08-ALC | Alco arm | 8434 2140 36 |
| RT08-EXT | Extended reaction arm | 8434 2140 42 |
| RT08-SSLV | Steel reaction sleeve | 8434 2140 51 |
| RT10-ALC | Alco arm | 8434 2140 60 |
| RT10-EXT | Extended reaction arm | 8434 2140 66 |
| RT10-SSLV | Steel reaction sleeve | 8434 2140 90 |



Standard Reaction Arm



Extended Reaction Arm



ALCO Reaction Arm

Sliding Reaction Arm

| Description | Ordering No. |
|-------------------|--------------|
| RT-01 SLIDING EXT | 8434 2057 33 |
| RT-01 SLIDING STD | 8434 2150 95 |
| RT-03 SLIDING EXT | 8434 2150 37 |
| RT-03 SLIDING STD | 8434 2150 30 |
| RT-05 SLIDING EXT | 8434 2150 36 |
| RT-05 SLIDING STD | 8434 2150 35 |
| RT-08 SLIDING EXT | 8434 2150 32 |
| RT-08 SLIDING STD | 8434 2150 31 |
| RT-10 SLIDING EXT | 8434 2150 34 |
| RT-10 SLIDING STD | 8434 2150 33 |

STD= Standard EXT=Extended

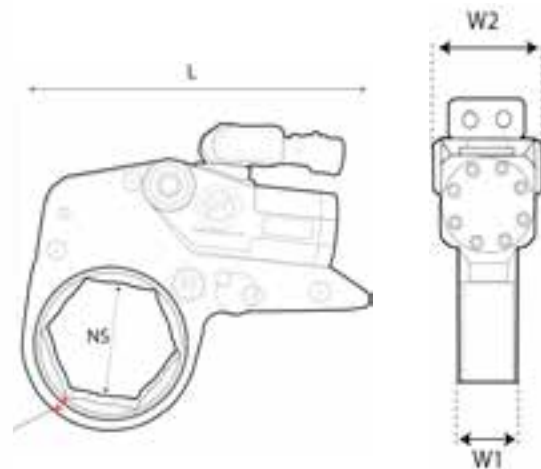


Sliding Reaction Arm

Low profile

hydraulic torque wrench

Rapid-Torc hydraulic wrenches in the RTX Series eliminate problems with tight clearances. There are 6 models to choose from. Repeatability is +/-1% and output accuracy is at +/-3% (as per NIST standards).



RTX Direct fit low profile dimensions

| Model | Dimensions | | | | | | | | | |
|--------|------------|-----|---------------------------------|--------|------|------|------|----|------|-----|
| | L | | NS (based on ratchet link size) | | R | | W1 | | W2 | |
| | in | mm | in | mm | in | mm | in | mm | in | mm |
| RTX-2 | 7.2 | 183 | 3/4 – 2 9/16 | 19-65 | 0.35 | 9 | 1.26 | 32 | 1.92 | 49 |
| RTX-4 | 9.7 | 248 | 1 5/16 – 3 1/8 | 32-80 | 0.47 | 12 | 1.65 | 42 | 2.56 | 65 |
| RTX-8 | 12.1 | 308 | 1 13/16 – 3 7/8 | 46-100 | 0.59 | 15 | 2.08 | 53 | 3.22 | 82 |
| RTX-14 | 14.6 | 372 | 2 – 4 5/8 | 50-120 | 0.72 | 18.5 | 2.48 | 63 | 3.89 | 99 |
| RTX-18 | 15.5 | 393 | 3 – 5 1/2 | 75-140 | 0.87 | 22.2 | 2.75 | 70 | 4.37 | 111 |
| RTX-30 | 18 | 457 | 3 9/16 – 6 1/8 | 90-155 | 1 | 25.4 | 3.26 | 83 | 5.28 | 132 |

| Model | Ratchet link hex size* | | Torque range | | Weight | | Ordering No. |
|--------|------------------------|--------|--------------|------------|--------|------|--------------|
| | in | mm | ft lb | Nm | lbs | kg | |
| RTX-2 | 3/4 – 2 3/4 | 19-65 | 255-1710 | 346-2318 | 4.5 | 2 | 8434 2021 90 |
| RTX-4 | 1 – 3 1/8 | 25-85 | 580-3855 | 786-5226 | 9.7 | 4.4 | 8434 2021 95 |
| RTX-8 | 1 5/8 – 4 1/8 | 46-105 | 1143-8151 | 1549-11049 | 19.5 | 9 | 8434 2022 00 |
| RTX-14 | 2 1/2 – 5 3/8 | 60-135 | 2010-13400 | 2725-18165 | 33 | 15 | 8434 2116 58 |
| RTX-18 | 3 1/2 – 5 1/2 | 75-140 | 2676-17845 | 3628-24191 | 51 | 23 | 8434 2022 05 |
| RTX-30 | 3 1/2 – 6 1/2 | 90-165 | 4770-31800 | 6466-43108 | 78 | 35.5 | 8434 2022 10 |

*RTX Hydraulic Torque Wrench is designed to have consistent torque output, regardless of hex size link. That means that you don't have to worry about different torque charts when changing direct hex link size.
#Please contact local sales office for appropriate selection of tools and application fit.

Ratchet links

RTX-02 Direct fit ratchet link sizes, torque range of 346 – 2318 Nm

The following is a standard list of ratchet link sizes for use with RTX Powerheads. Whatever the link size, you still only need one torque chart per Powerhead model. Use the following link sizes with RTX-02, which has a torque range of 255 to 1,710 ft. lb.

Links for RTX-02

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|-------------------|--------------|-------------|--------|------------------|--------------|-------------|--------|-----------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| | 17 | RL02-17MM | 8434 2132 41 | | 34 | RL02-34 | 8434 2132 81 | 2" | 50.8 | RL02-200 RR | 8434 2021 74 |
| 3/4" | 19 | RL02-012/19MMRR | 8434 2132 47 | 1 3/8" | 34.9 | RL02-106 | 8434 2132 17 | 2 1/16" | 52.3 | RL02-201 | 8434 2132 53 |
| 3/4" | 19 | RL02-012/19MM | 8434 2131 84 | 1 7/16" | 36.5 | RL02-107/36MM | 8434 2021 68 | 2 1/8" | 54 | RL02-202 | 8434 2132 56 |
| 13/16" | 20.6 | RL02-013 | 8434 2131 87 | 1 7/16" | 36.5 | RL02-107/36MM RR | 8434 2021 83 | 2 3/16" | 55.6 | RL02-203/55MM | 8434 2132 59 |
| | 22 | RL02-22MM | 8434 2132 74 | 1 1/2" | 38 | RL02-108/38MM | 8434 2132 20 | 2 1/4" | 57.1 | RL02-204 | 8434 2132 62 |
| 7/8" | 22.2 | RL02-014 | 8434 2020 00 | 1 9/16" | 39.7 | RL02-109 | 8434 2132 23 | | 58 | RL02-58MM | 8434 2132 89 |
| 15/16" | 23.8 | RL02-015 | 8434 2131 90 | 1 5/8" | 41.3 | RL02-110/41MM | 8434 2021 07 | 2 5/16" | 58.7 | RL02-205 | 8434 2132 65 |
| | 24 | RL02-24MM | 8434 2020 54 | 1 5/8" | 41.3 | RL02-110/41MMRR | 8434 2021 08 | 2 3/8" | 60.3 | RL02-206/60MM | 8434 2021 47 |
| 1" | 25.3 | RL02-100/25MM | 8434 2020 03 | 1 11/16" | 43 | RL02-111/43MM | 8434 2132 26 | 2 7/16" | 61.9 | RL02-207 | 8434 2132 68 |
| 1" | 25.3 | RL02-100/25MM12PT | 8434 2131 93 | 1 3/4" | 44.4 | RL02-112 | 8434 2132 29 | 2 1/2" | 63.5 | RL02-208 | 8434 2132 71 |
| 1 1/16" | 27 | RL02-101/27MM | 8434 2131 96 | 1 13/16" | 46 | RL02-113/46MM | 8434 2132 32 | 2 9/16" | 65 | RL02-209/65MM | 8434 2021 50 |
| 1 1/8" | 28.6 | RL02-102 | 8434 2131 99 | 1 13/16" | 46 | RL02-113/46MMRR | 8434 2132 35 | 2 5/8" | 66.7 | RL02-210* | 8434 2021 51 |
| 1 1/8" | 28.6 | RL02-102 12PT | 8434 2132 02 | 1 7/8" | 47.64 | RL02-114 | 8434 2020 06 | 2 3/4" | 69.8 | RL02-212* | 8434 2021 59 |
| 1 3/16" | 30.2 | RL02-103/30MM | 8434 2132 05 | 1 15/16" | 49.2 | RL02-115 | 8434 2132 38 | | 70 | RL02-212/70MM* | 8434 2059 29 |
| 1 1/4" | 31.7 | RL02-104/32MM12PT | 8434 2132 11 | | 50 | RL02-50MM | 8434 2021 86 | 2 13/16" | 71.4 | RL02-213 13/16* | 8434 2021 60 |
| | 32 | RL02-104/32MM | 8434 2132 08 | 2" | 50.8 | RL02-200 | 8434 2132 50 | 2 15/16" | 75 | RL02-215/75MM* | 8434 2132 92 |
| 1 5/16" | 33.3 | RL02-105 | 8434 2132 14 | | | | | | | | |

* Special design. Need special Torque conversion chart

RTX-04 Direct fit ratchet link sizes, torque range of 786 – 5226 Nm

Use the following link sizes with RTX-04, which has a torque range of 580 to 3,855 ft. lb.

Links for RTX-04

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|-------------------|--------------|-------------|--------|-----------------|--------------|-------------|--------|-----------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| | 15 | RL04-15MM | 8434 2133 47 | 1 13/16" | 46 | RL04-113/46MM | 8434 2021 53 | 2 9/16" | 65 | RL04-209/65MM | 8434 2133 70 |
| | 17 | RL04-17MM | 8434 2133 48 | 1 13/16" | 46 | RL04-113/46MMRR | 8434 2116 01 | 2 5/8" | 66.7 | RL04-210 | 8434 2133 73 |
| 7/8" | 22.2 | RL04-014/22MM | 8434 2133 19 | 1 7/8" | 47.6 | RL04-114 | 8434 2133 43 | 2 11/16" | 68.3 | RL04-211 | 8434 2133 76 |
| | 24 | RL04-24MM | 8434 2133 93 | | 48 | RL04-48MM | 8434 2134 27 | 2 3/4" | 69.8 | RL04-212/70MMRR | 8434 2133 82 |
| 1" | 25.3 | RL04-100/25MM | 8434 2133 22 | 1 15/16" | 49.2 | RL04-115 | 8434 2133 46 | | 70 | RL04-212/70MM | 8434 2021 62 |
| | 27 | RL04-101/27MM | 8434 2020 63 | | 50 | RL04-50MM | 8434 2134 30 | | 71 | RL04-71MM | 8434 2021 63 |
| 1 1/8" | 28.6 | RL04-102 | 8434 2133 23 | 2" | 50.8 | RL04-200 | 8434 2133 49 | 2 13/16" | 71.4 | RL04-213 | 8434 2133 85 |
| 1 3/16" | 30.2 | RL04-103/30MM | 8434 2133 25 | 2 1/16" | 52.4 | RL04-201 | 8434 2133 52 | 2 7/8" | 73 | RL04-214 | 8434 2133 88 |
| | 32 | RL04-104/32MM | 8434 2020 15 | 2 1/8" | 54 | RL04-202 | 8434 2133 55 | 2 15/16" | 75 | RL04-215/75MM | 8434 2020 21 |
| | 32 | RL04-104/32MM12PT | 8434 2134 15 | | 54 | RL04-54MM | 8434 2134 33 | 3" | 76.2 | RL04-300 | 8434 2134 00 |
| 1 5/16" | 33.3 | RL04-105 | 8434 2133 32 | | 55 | RL04-55MM RR | 8434 2134 39 | | 77 | RL04-77MM | 8434 2020 22 |
| 1 3/8" | 34.9 | RL04-106 | 8434 2133 34 | 2 3/16" | 55.6 | RL04-203/55MM | 8434 2021 71 | 3 1/16" | 77.8 | RL04-301 | 8434 2134 03 |
| 1 7/16" | 36.5 | RL04-107/36MM | 8434 2020 09 | 2 1/4" | 57.1 | RL04-204 | 8434 2133 58 | 3 1/8" | 79.4 | RL04-302/79MM | 8434 2134 06 |
| 1 1/2" | 38 | RL04-108/38MM12PT | 8434 2133 37 | | 58 | RL04-58MM | 8434 2134 42 | | 80 | RL04-80MM | 8434 2134 51 |
| 1 1/2" | 38 | RL04-108/38MM | 8434 2133 40 | 2 5/16" | 58.7 | RL04-205 | 8434 2133 61 | 3 3/16" | 81 | RL04-303 | 8434 2134 07 |
| 1 9/16" | 39.7 | RL04-109 | 8434 2133 41 | 2 3/8" | 60.3 | RL04-206/60MM | 8434 2133 64 | | 85 | RL04-85MM* | 8434 2134 54 |
| 1 5/8" | 41.3 | RL04-110/41MM | 8434 2021 35 | 2 7/16" | 61.9 | RL04-207 | 8434 2133 65 | 3 3/8" | 85.7 | RL04-306* | 8434 2134 08 |
| | 42 | RL04-42MM | 8434 2134 24 | 2 1/2" | 63.5 | RL04-208 | 8434 2133 67 | 3 1/2" | 88.9 | RL04-308* | 8434 2134 09 |
| 1 11/16" | 43 | RL04-111/43MM | 8434 2020 12 | | 64 | RL04-64MM | 8434 2134 46 | 3 3/4" | 95 | RL04-312/95MM* | 8434 2059 31 |
| 1 3/4" | 44.4 | RL04-112 | 8434 2020 60 | | | | | | | | |

* Special design. Need special Torque conversion chart

Ratchet links

RTX-08 Direct fit ratchet link sizes, torque range of 1549 – 11049 Nm

Use the following link sizes with RTX-08, which has a torque range of 1.143 to 8.151 ft lb

Links for RTX-08

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|--------------------|--------------|-------------|--------|---------------|--------------|-------------|--------|---------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| 1 1/8" | 28.6 | RL08-102 | 8434 2134 93 | | 63 | RL08-63MM | 8434 2020 31 | 3 5/16" | 84.1 | RL08-305 | 8434 2020 77 |
| | 36 | RL08-36mm | 8434 2059 34 | 2 1/2" | 63.5 | RL08-208 | 8434 2135 26 | | 85 | RL08-85MM | 8434 2021 11 |
| 1 1/2" | 38 | RL08-108/38MM 12PT | 8434 2134 99 | 2 9/16" | 65 | RL08-209/65MM | 8434 2116 04 | 3 3/8" | 85.7 | RL08-306 | 8434 2021 02 |
| 1 5/8" | 41.3 | RL08-110/41MM | 8434 2135 02 | 2 5/8" | 66.7 | RL08-210 | 8434 2135 29 | 3 1/2" | 88.9 | RL08-308 | 8434 2020 74 |
| 1 11/16" | 43 | RL08-111/43MM | 8434 2135 08 | | 67 | RL08-67MM | 8434 2020 32 | 3 9/16" | 90.5 | RL08-309/90MM | 8434 2135 38 |
| 1 13/16" | 46 | RL08-113/46MM | 8434 2020 66 | | 70 | RL08-212/70MM | 8434 2135 59 | 3 5/8" | 92.1 | RL08-310 | 8434 2020 27 |
| 1 7/8" | 47.6 | RL08-114 | 8434 2135 11 | | 71 | RL08-71MM | 8434 2135 62 | 3 3/4" | 95 | RL08-312/95MM | 8434 2135 41 |
| | 50 | RL08-50MM | 8434 2135 47 | 2 13/16" | 71.4 | RL08-213 | 8434 2135 32 | 3 7/8" | 98.4 | RL08-314 | 8434 2021 65 |
| 2" | 50.8 | RL08-200 | 8434 2020 68 | | 75 | RL08-215/75MM | 8434 2135 65 | 1" | 100 | RL08-15/100MM | 8434 2020 24 |
| 2" | 50.8 | RL08-200 12PT | 8434 2020 67 | 3" | 76.2 | RL08-300 | 8434 2135 35 | 4" | 101.6 | RL08-400 | 8434 2135 44 |
| 2 1/16" | 52.4 | RL08-201 | 8434 2135 17 | | 77 | RL08-77MM | 8434 2135 68 | 4 1/16" | 103.2 | RL08-401* | 8434 2020 75 |
| | 54 | RL08-54MM | 8434 2135 50 | | 78 | RL08-78MM | 8434 2135 71 | | 105 | RL08-105MM* | 8434 2134 96 |
| 2 3/16" | 55.6 | RL08-203/55MM | 8434 2020 69 | 3 1/8" | 79.4 | RL08-302 | 8434 2020 72 | 4 1/4" | 108 | RL08-404* | 8434 2020 78 |
| 2 1/4" | 57.1 | RL08-204 | 8434 2135 20 | | 80 | RL08-80MM | 8434 2135 74 | | 110 | RL08-110MM* | 8434 2135 05 |
| 2 3/8" | 60.3 | RL08-206/60MM | 8434 2020 70 | 3 1/4" | 82.5 | RL08-304 | 8434 2020 73 | | 115 | RL08-115MM* | 8434 2135 14 |
| 2 7/16" | 61.9 | RL08-207 | 8434 2135 23 | | | | | | | | |

* Special design. Need special Torque conversion chart

RTX-14 Direct fit ratchet link sizes, torque range of 2725 – 18165 Nm

Use the following link sizes with RTX-14, which has a torque range of 2.010 to 13.400 ft lb

Links for RTX-14

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|---------------|--------------|-------------|--------|---------------|--------------|-------------|--------|-------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| 1 1/4" | 31.7 | RL14-104/32MM | 8434 2135 99 | | 77 | RL14-77MM | 8434 2021 30 | 4" | 101.6 | RL14-400 | 8434 2136 43 |
| 1 1/2" | 38 | RL14-108/38MM | 8434 2136 02 | 3 1/16" | 77.8 | RL14-301 | 8434 2136 28 | 4 1/16" | 103.2 | RL14-401 | 8434 2021 26 |
| 2" | 50.8 | RL14-200 | 8434 2020 33 | 3 1/8" | 79.4 | RL14-302 | 8434 2136 31 | 4 1/8" | 104.8 | RL14-402 | 8434 2136 46 |
| 2 3/16" | 55.6 | RL14-203/55MM | 8434 2020 36 | | 80 | RL14-80MM | 8434 2021 20 | | 105 | RL14-105MM | 8434 2135 98 |
| | 57 | RL14-57MM | 8434 2136 60 | 3 3/16" | 81 | RL14-303 | 8434 2136 32 | 4 3/16" | 106.4 | RL14-403 | 8434 2136 47 |
| 2 1/4" | 57.1 | RL14-204 | 8434 2020 37 | 3 1/4" | 82.5 | RL14-304 | 8434 2136 30 | 4 1/4" | 107.9 | RL14-404 | 8434 2020 84 |
| 2 3/8" | 60.3 | RL14-206/60MM | 8434 2136 13 | | 85 | RL14-85MM | 8434 2021 32 | 4 5/16" | 109.5 | RL14-405 | 8434 2020 83 |
| 2 1/2" | 63.5 | RL14-208 | 8434 2136 16 | 3 3/8" | 85.7 | RL14-306 | 8434 2136 33 | | 110 | RL14-110MM | 8434 2136 01 |
| 2 9/16" | 65 | RL14-209/65MM | 8434 2020 39 | 3 1/2" | 88.9 | RL14-308 | 8434 2136 34 | 4 1/2" | 114.3 | RL14-408 | 8434 2136 49 |
| 2 5/8" | 66.7 | RL14-210 | 8434 2136 19 | 3 9/16" | 90.5 | RL14-309/90MM | 8434 2136 37 | | 115 | RL14-115MM | 8434 2136 04 |
| | 67 | RL14-67MM | 8434 2136 64 | 3 5/8" | 92.1 | RL14-310 | 8434 2136 38 | 4 9/16" | 115.9 | RL14-409 | 8434 2136 52 |
| 2 11/16" | 68.3 | RL14-211 | 8434 2136 20 | 3 11/16" | 93.7 | RL14-311 | 8434 2136 39 | 4 5/8" | 117.5 | RL14-410 | 8434 2136 55 |
| | 70 | RL14-212/70MM | 8434 2136 66 | 3 3/4" | 95 | RL14-312/95MM | 8434 2020 42 | | 120 | RL14-120MM | 8434 2136 07 |
| | 71 | RL14-71MM | 8434 2136 67 | | 98 | RL14-98MM | 8434 2136 70 | 5" | 127 | RL14-500* | 8434 2021 41 |
| 2 13/16" | 71.4 | RL14-213 | 8434 2136 22 | 3 7/8" | 98.4 | RL14-314 | 8434 2020 45 | | 130 | RL14-130MM* | 8434 2136 10 |
| | 75 | RL14-215/75MM | 8434 2021 29 | | 100 | RL14-100MM | 8434 2021 14 | 5 3/8" | 136.5 | RL14-506* | 8434 2136 58 |
| 3" | 76.2 | RL14-300 | 8434 2136 25 | | | | | | | | |

* Special design. Need special Torque conversion chart

RTX-18 Direct fit ratchet link sizes, torque range of 3628 – 24191 Nm

Use the following link sizes with RTX-18, which has a torque range of 2.676 to 17.845 ft lb

Links for RTX-18

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|---------------|--------------|-------------|--------|----------------|--------------|-------------|--------|-------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| 1 5/16" | 33.3 | RL18-105 | 8434 2020 91 | 3 3/8" | 85.7 | RL18-306 | 8434 2020 85 | 4 5/8" | 117.5 | RL18-410 | 8434 2020 93 |
| 1 3/8" | 34.9 | RL18-106 | 8434 2020 92 | 3 1/2" | 88.9 | RL18-308 | 8434 2020 87 | | 120 | RL18-120MM | 8434 2137 00 |
| 2 3/16" | 55.6 | RL18-203/55MM | 8434 2137 10 | | 90 | RL18-90MM | 8434 2137 24 | 5" | 127 | RL18-500 | 8434 2021 56 |
| 2 3/8" | 60.3 | RL18-206/60MM | 8434 2137 11 | 3 9/16" | 90.5 | RL18-309/90MM | 8434 2020 86 | | 130 | RL18-130MM | 8434 2137 03 |
| 2 9/16" | 65 | RL18-209/65MM | 8434 2137 12 | 3 3/4" | 95 | RL18-312/95MM | 8434 2020 90 | | 135 | RL18-135MM | 8434 2137 06 |
| 2 3/4" | 69.9 | RL18-212/70MM | 8434 2059 47 | 3 7/8" | 98.4 | RL18-314 | 8434 2137 15 | 5 3/8" | 136.5 | RL18-506 | 8434 2021 23 |
| | 71 | RL18-71MM | 8434 2137 14 | | 100 | RL18-315/100MM | 8434 2020 88 | | 140 | RL18-140MM | 8434 2020 89 |
| | 75 | RL18-215/75MM | 8434 2137 16 | 4 1/16" | 103.2 | RL18-401 | 8434 2020 47 | 5 5/8" | 142.9 | RL18-510 | 8434 2021 22 |
| 3" | 76.2 | RL18-300 | 8434 2137 13 | | 105 | RL18-105MM | 8434 2136 88 | | 145 | RL18-145MM | 8434 2020 94 |
| | 77 | RL18-77MM | 8434 2137 17 | | 106 | RL18-106MM | 8434 2136 91 | 5 3/4" | 146.1 | RL18-512 | 8434 2020 96 |
| 3 1/8" | 79.4 | RL18-302 | 8434 2137 08 | 4 1/4" | 108 | RL18-404 | 8434 2020 48 | 5 15/16" | 150.8 | RL18-515* | 8434 2021 24 |
| | 80 | RL18-80MM | 8434 2137 18 | | 110 | RL18-110MM | 8434 2136 94 | | 151 | RL18-151MM* | 8434 2137 09 |
| | 85 | RL18-85MM | 8434 2137 21 | | 115 | RL18-115MM | 8434 2136 97 | 6 1/8" | 155.6 | RL18-602* | 8434 2021 25 |

* Special design. Need special Torque conversion chart

RTX-30 Direct fit ratchet link sizes, torque range of 6466 – 43108 Nm

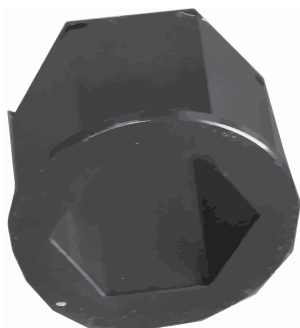
Use the following link sizes with RTX-30, which has a torque range of 4.770 to 31.800 ft lb

Links for RTX-30

| Across flat | | | | Across flat | | | | Across flat | | | |
|-------------|--------|----------------|--------------|-------------|--------|------------|--------------|-------------|--------|-------------|--------------|
| Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. | Imperial | Metric | Size | Ordering No. |
| 2 9/16" | 65 | RL30-209/65MM | 8434 2137 72 | 4 1/4" | 107.9 | RL30-404 | 8434 2137 90 | | 140 | RL30-140MM | 8434 2138 21 |
| 2 15/16" | 74.6 | RL30-215/75MM | 8434 2137 73 | | 110 | RL30-110MM | 8434 2137 39 | | 145 | RL30-145MM | 8434 2137 57 |
| 3 1/8" | 79.4 | RL30-302 | 8434 2137 75 | 4 1/2" | 114.3 | RL30-408 | 8434 2021 01 | 5 3/4" | 146.1 | RL30-512 | 8434 2137 93 |
| | 80 | RL30-80MM | 8434 2138 14 | | 115 | RL30-115MM | 8434 2137 42 | | 150 | RL30-150MM | 8434 2137 60 |
| | 85 | RL30-85MM | 8434 2138 17 | | 117 | RL30-117MM | 8434 2020 56 | 5 15/16" | 150.8 | RL30-515 | 8434 2137 96 |
| 3 3/8" | 85.7 | RL30-306 | 8434 2137 78 | 4 5/8" | 117.5 | RL30-410 | 8434 2021 00 | | 152 | RL30-152MM | 8434 2020 61 |
| 3 1/2" | 88.9 | RL30-308 | 8434 2137 81 | | 120 | RL30-120MM | 8434 2137 45 | 6" | 152.4 | RL30-600 | 8434 2138 02 |
| | 90 | RL30-90MM | 8434 2138 18 | | 123 | RL30-123MM | 8434 2137 48 | | 155 | RL30-155MM | 8434 2137 63 |
| 3 3/4" | 95 | RL30-312/95MM | 8434 2137 84 | | 124 | RL30-124MM | 8434 2020 55 | 6 1/8" | 155.6 | RL30-602 | 8434 2020 59 |
| | 98 | RL30-98MM | 8434 2138 20 | | 125 | RL30-125MM | 8434 2137 51 | | 160 | RL30-160MM* | 8434 2137 66 |
| 3 7/8" | 98.4 | RL30-314 | 8434 2137 87 | 5" | 127 | RL30-500 | 8434 2020 99 | 6 3/8" | 161.9 | RL30-606* | 8434 2138 05 |
| | 100 | RL30-315/100MM | 8434 2137 33 | | 130 | RL30-130MM | 8434 2020 53 | 6 1/2" | 165.1 | RL30-608* | 8434 2138 08 |
| 4" | 101.6 | RL30-400 | 8434 2133 86 | | 133 | RL30-133MM | 8434 2020 58 | | 170 | RL30-170MM* | 8434 2137 69 |
| 4 1/16" | 103.2 | RL30-401 | 8434 2137 88 | | 135 | RL30-135MM | 8434 2137 54 | | 175 | RL30-175MM* | 8434 2138 22 |
| 4 1/8" | 104.8 | RL30-402 | 8434 2137 89 | 5 3/8" | 136.5 | RL30-506 | 8434 2020 51 | 7 1/16" | 179.4 | RL30-701* | 8434 2138 11 |
| | 105 | RL30-105MM | 8434 2137 36 | 5 1/2" | 139.7 | RL30-508 | 8434 2137 92 | | | | |

* Special design. Need special Torque conversion chart

Insert Hex Reducers



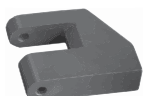
Insert hex reducer

| Model | Starting size | Reduces to | Ordering No. |
|-------------------|---------------|------------|--------------|
| RL02-INS-108/105 | 1 1/2 | 1 5/16 | 4222 2133 93 |
| RL02-INS-204/105 | 2 1/4 | 1 5/16 | 4222 2133 96 |
| RL02-INS-204/108 | 2 1/4 | 1 1/2 | 4222 2133 99 |
| RL02-INS-204/114 | 2 1/4 | 1 7/8 | 4222 2134 02 |
| RL02-INS-212/103 | 2 3/4 | 1 3/16 | 4222 2134 05 |
| RL02-INS-212/107 | 2 3/4 | 1 7/16 | 4222 2134 08 |
| RL02-INS-212/108 | 2 3/4 | 1 1/2 | 4222 2134 11 |
| RL02-INS-212/109 | 2 3/4 | 1 9/16 | 4222 2134 14 |
| RL02-INS-212/110 | 2 3/4 | 1 5/8 | 4222 2134 17 |
| RL02-INS-212/113 | 2 3/4 | 1 13/16 | 4222 2134 20 |
| RL02-INS-212/114 | 2 3/4 | 1 7/8 | 4222 2134 23 |
| RL02-INS-46/36 | 46 mm | 36 mm | 4222 2134 26 |
| RL02-INS-50/41 | 50 mm | 41 mm | 4222 2134 29 |
| RL02-INS-50/46 | 50 mm | 46 mm | 4222 2134 32 |
| RL04-INS-113/30MM | 1 13/16 | 30 mm | 4222 2119 58 |
| RL04-INS-113/36MM | 1 13/16 | 36 mm | 4222 2119 62 |
| RL04-INS-113/42MM | 1 13/16 | 42 mm | 4222 2119 66 |
| RL04-INS-200/112 | 2 | 1 3/4 | 4222 2137 74 |
| RL04-INS-200/113 | 2 | 1 13/16 | 4222 2137 77 |
| RL04-INS-204/105 | 2 1/4 | 1 5/16 | 4222 2137 80 |
| RL04-INS-204/108 | 2 1/4 | 1 1/2 | 4222 2137 83 |
| RL04-INS-204/114 | 2 1/4 | 1 7/8 | 4222 2137 86 |
| RL04-INS-208/114 | 2 1/2 | 1 7/8 | 4222 2119 70 |
| RL04-INS-212/ 208 | 2 3/4 | 2 1/2 | 4222 2137 89 |
| RL04-INS-212/201 | 2 3/4 | 2 1/16 | 4222 2137 92 |
| RL04-INS-212/202 | 2 3/4 | 2 1/8 | 4222 2137 95 |
| RL04-INS-212/203 | 2 3/4 | 2 3/16 | 4222 2137 98 |
| RL04-INS-212/204 | 2 3/4 | 2 1/4 | 4222 2138 01 |
| RL04-INS-212/206 | 2 3/4 | 2 3/8 | 4222 2138 04 |
| RL04-INS-215/209 | 2 15/16 | 2 9/16 | 4222 2138 07 |
| RL04-INS-302/100 | 3 1/8 | 1 | 4222 2138 10 |
| RL04-INS-302/108 | 3 1/8 | 1 1/2 | 4222 2138 13 |
| RL04-INS-302/110 | 3 1/8 | 1 5/8 | 4222 2138 16 |
| RL04-INS-302/112 | 3 1/8 | 1 3/4 | 4222 2138 19 |
| RL04-INS-302/200 | 3 1/8 | 2 | 4222 2138 22 |

| Model | Starting size | Reduces to | Ordering No. |
|---------------------|---------------|------------|--------------|
| RL04-INS-302/206 | 3 1/8 | 2 3/8 | 4222 2138 25 |
| RL04-INS-50/19 | 50 mm | 19 mm | 4222 2138 28 |
| RL04-INS-50/32 | 50 mm | 32 mm | 4222 2138 31 |
| RL04-INS-50/41 | 50 mm | 41 mm | 4222 2138 34 |
| RL04-INS-50/42 | 50 mm | 42 mm | 4222 2138 37 |
| RL04-INS-50/46 | 50 mm | 46 mm | 4222 2138 40 |
| RL04-INS-55/50 | 55 mm | 50 mm | 4222 2138 43 |
| RL04-INS-65/55 | 65 mm | 55 mm | 4222 2119 74 |
| RL04-INS-70/60 | 70 mm | 60 mm | 4222 2119 78 |
| RL04-INS-70/65 | 70 mm | 65 mm | 4222 2119 82 |
| RL08-INS-100MM/80MM | 100 mm | 80 mm | 4222 2140 62 |
| RL08-INS-203/200 | 2 3/16 | 2 | 4222 2140 65 |
| RL08-INS-302/215 | 3 1/8 | 2 15/16 | 4222 2140 68 |
| RL08-INS-302/50MM | 3 1/8 | 50 mm | 4222 2140 71 |
| RL08-INS-302/55MM | 3 1/8 | 55 mm | 4222 2140 74 |
| RL08-INS-302/60MM | 3 1/8 | 60 mm | 4222 2140 77 |
| RL08-INS-314/308 | 3 7/8 | 3 1/2 | 4222 2140 80 |
| RL08-INS-60/50 | 60 mm | 50 mm | 4222 2122 07 |
| RL08-INS-60/55 | 60 mm | 55 mm | 4222 2122 11 |
| RL08-INS-70/46 | 70 mm | 46 mm | 4222 2140 83 |
| RL08-INS-70/55 | 70 mm | 55 mm | 4222 2140 86 |
| RL08-INS-70/65 | 70 mm | 65 mm | 4222 2140 89 |
| RL08-INS-80/50 | 80 mm | 50 mm | 4222 2140 92 |
| RL08-INS-80/55 | 80 mm | 55 mm | 4222 2140 95 |
| RL08-INS-80/65 | 80 mm | 65 mm | 4222 2140 98 |
| RL08-INS-80/75 | 80 mm | 75 mm | 4222 2141 01 |
| RL08-INS-95/80 | 95 mm | 80 mm | 4222 2141 04 |
| RL14-INS-314/308 | 3 7/8 | 3 1/2 | 4222 2143 38 |
| RL14-INS-410/314 | 4 5/8 | 3 7/8 | 4222 2143 41 |
| RL14-INS-410/404 | 4 5/8 | 4 1/4 | 4222 2143 44 |
| RL18-INS-135/123 | 135 mm | 123 mm | 4222 2144 13 |
| RL18-INS-151/143 | 151 mm | 143 mm | 4222 2144 16 |
| RL18-INS-410/308 | 4 5/8 | 3 1/2 | 4222 2144 19 |
| RL18-INS-410/312 | 4 5/8 | 3 3/4 | 4222 2144 22 |
| RL30-INS-602/600 | 6 1/8 | 6 | 4222 2145 48 |

Reaction arms

ALCO Reaction Arm



On Side Reaction Arm

ALCO reaction arm

| Model | Description | Ordering No. |
|-----------|-------------|--------------|
| RTX02-ALC | Alco Arm | 8434 2057 58 |
| RTX04-ALC | Alco Arm | 8434 2057 60 |
| RTX08-ALC | Alco Arm | 8434 2057 62 |
| RTX14-ALC | Alco Arm | 8434 2057 64 |
| RTX18-ALC | Alco Arm | 8434 2057 66 |
| RTX30-ALC | Alco Arm | 8434 2057 67 |

On side reaction arm

| Model | Description | Ordering No. |
|----------|----------------------|--------------|
| RTX02-14 | On Side Reaction Arm | 4222 2107 14 |
| RTX04-14 | On Side Reaction Arm | 4222 2109 27 |
| RTX08-14 | On Side Reaction Arm | 4222 2110 44 |
| RTX14-14 | On Side Reaction Arm | 4222 2141 22 |
| RTX18-14 | On Side Reaction Arm | 4222 2141 23 |
| RTX30-14 | On Side Reaction Arm | 4222 2144 43 |

Backup wrenches



The Rapid-Torc backup wrench works in conjunction with any Rapid-Torc bolting tool and prevents the nut from rotating. The wrench is made of high strength steel and has a minimum of moving parts. This gives the tool a very long working lifetime without significant wear. Available in any nut size.

| Model | Hex size | Ordering No. |
|----------|----------|--------------|
| BK-30MM | 30 mm | 8434 2129 26 |
| BK-36MM | 36 mm | 8434 2129 32 |
| BK-41MM | 41 mm | 8434 2056 28 |
| BK-46 | 46 mm | 8434 2056 30 |
| BK-50 | 50 mm | 8434 2056 32 |
| BK-55 | 55 mm | 8434 2056 34 |
| BK-60 | 60 mm | 8434 2056 36 |
| BK-65 | 65 mm | 8434 2056 38 |
| BK-70MM | 70 mm | 8434 2129 41 |
| BK-75MM | 75 mm | 8434 2056 55 |
| BK-80MM | 80 mm | 8434 2056 53 |
| BK-85MM | 85 mm | 8434 2129 44 |
| BK-90MM | 90 mm | 8434 2056 51 |
| BK-95MM | 95 mm | 8434 2129 29 |
| BK-100MM | 100 mm | 8434 2056 24 |
| BK-110MM | 110 mm | 8434 2128 99 |
| BK-120MM | 120 mm | 8434 2129 08 |

| Model | Hex size | Ordering No. |
|--------|----------|--------------|
| BK-104 | 1 1/4" | 8434 2128 90 |
| BK-105 | 1 5/16" | 8434 2128 93 |
| BK-107 | 1 7/16" | 8434 2056 26 |
| BK-108 | 1 1/2" | 8434 2128 96 |
| BK-110 | 1 5/8" | 8434 2056 28 |
| BK-112 | 1 3/4" | 8434 2129 02 |
| BK-113 | 1 13/16" | 8434 2056 30 |
| BK-114 | 1 7/8" | 8434 2129 05 |
| BK-200 | 2" | 8434 2056 32 |
| BK-201 | 2 1/16" | 8434 2129 11 |
| BK-202 | 2 1/8" | 8434 2129 14 |
| BK-203 | 2 3/16" | 8434 2056 34 |
| BK-204 | 2 1/4" | 8434 2129 17 |
| BK-205 | | 8434 2128 70 |
| BK-206 | 2 3/8" | 8434 2056 36 |
| BK-208 | | 8434 2128 71 |
| BK-209 | 2 9/16" | 8434 2056 38 |
| BK-210 | 2 5/8" | 8434 2056 40 |
| BK-211 | | 8434 2128 73 |
| BK-212 | 2 3/4" | 8434 2056 42 |
| BK-215 | 2 15/16" | 8434 2056 44 |
| BK-300 | 3" | 8434 2129 23 |
| BK-301 | | 8434 2128 74 |
| BK-302 | 3 1/8" | 8434 2056 46 |
| BK-304 | | 8434 2128 76 |
| BK-306 | | 8434 2128 77 |
| BK-308 | 3 1/2" | 8434 2056 48 |
| BK-310 | | 8434 2128 67 |
| BK-312 | 3 3/4" | 8434 2129 29 |
| BK-314 | 3 7/8" | 8434 2056 50 |
| BK-400 | 4" | 8434 2128 68 |
| BK-402 | 4 1/8" | 8434 2129 35 |
| BK-404 | 4 1/4" | 8434 2129 38 |

Pumps

air and electric



Pumps in the Rapid torc series are designed for all hydraulic torque wrench applications. Panther pumps are variable piston models with the smallest ratio of weight/oil flow on the market.

The pumps are available in two versions: air driven or electric driven, 110V or 220V. They come in three sizes: small, medium and large.

Air driven pumps

| Model | Dimensions (LxWxH) | | Weight | | Oil capacity | | Oil flow 1,250 psi/86 bar | | Oil flow 3,600 psi/250 bar | | Oil flow 10,000 psi/700 bar | | Ports | Ordering No. |
|--------------------------|--------------------|-----------------------|--------|----|--------------|---------|---------------------------|-------|----------------------------|-------|-----------------------------|-------|-------|--------------|
| | inches | mm | lb | kg | Gal-lons | Li-ters | cu.in/ min | l/min | cu.in/ min | l/min | cu.in/ min | l/min | | |
| Panther A110 Small frame | 13.4 x 13.7 x 16.5 | 340.3 x 347.9 x 419.1 | 33 | 15 | 0.5 | 1.89 | 275 | 4.5 | 67 | 1.1 | 24 | 0.4 | 1 | 8434 2040 19 |
| Panther A110 Full frame | 13.4 x 13.7 x 16.5 | 340.3 x 347.9 x 419.1 | 33 | 15 | 0.5 | 1.89 | 275 | 4.5 | 67 | 1.1 | 24 | 0.4 | 1 | 8434 2040 17 |
| Panther A380 | 15.7 x 14.9 x 18.1 | 398.7 x 378.4 x 459.7 | 48 | 22 | 1.5 | 5.67 | 701 | 11.5 | 213 | 3.5 | 79 | 1.3 | 4 | 8434 2056 22 |
| TigAir | 18 x 10.5 x 18.5 | 457.2 x 266.7 x 439.9 | 75 | 34 | 2.5 | 9.5 | - | - | - | - | 72 | 1.1 | 1 | 8434 2059 62 |

Electric pumps

| Model | Dimensions (LxWxH) mm | Weight kg | Intercooler system | Oil flow 1,250 psi/86 bar | | Oil flow 3,600 psi/250 bar | | Oil flow 10,000 psi/700 bar | | Ports | Ordering No. |
|----------------------------------|-----------------------|-----------|--------------------|---------------------------|------------|----------------------------|-------|-----------------------------|-------|-------|--------------|
| | | | | cu.in/ min | l/min | cu.in/ min | l/min | cu.in/ min | l/min | | |
| Panther 025 with Handle 110V | 320 x 210.8 x 388.6 | 15 | no | 195 | 3.2 l/min | 54 | 0.9 | 21 | 0.35 | 1 | 8434 2040 31 |
| Panther 025 with Full frame 110V | 320 x 210.8 x 388.6 | 15 | no | 195 | 3.2 l/min | 54 | 0.9 | 21 | 0.35 | 1 | 8434 2040 33 |
| Panther 025 with Handle 220V | 320 x 210.8 x 388.6 | 15 | no | 195 | 3.2 l/min | 54 | 0.9 | 21 | 0.35 | 1 | 8434 2130 22 |
| Panther 025 with Full frame 220V | 320 x 210.8 x 388.6 | 15 | no | 195 | 3.2 l/min | 54 | 0.9 | 21 | 0.35 | 1 | 8434 2059 54 |
| Panther 055 110V | 439.4 x 238.7 x 469.9 | 22 | yes | 391 | 6.4 l/min | 110 | 1.8 | 42 | 0.7 | 4 | 8434 2040 35 |
| Panther 055 220V | 439.4 x 238.7 x 469.9 | 22 | yes | 391 | 6.4 l/min | 110 | 1.8 | 42 | 0.7 | 4 | 8434 2040 37 |
| Lynx 110V | 541.3 x 435.3 x 460.2 | 34 | Optional Accessory | - | - | - | - | 56 | 0.9 | 1 | 8434 2059 61 |
| Lynx 220V | 541.3 x 435.3 x 460.2 | 34 | Optional Accessory | - | - | - | - | 56 | 0.9 | 1 | 8434 2059 59 |
| Panther 150 110V | 460 x 300 x 440 | 33 | yes | 641 | 10.5 l/min | 153 | 2.5 | 92 | 1.5 | 4 | 8434 2040 39 |
| Panther 150 220V | 460 x 300 x 440 | 33 | yes | 641 | 10.5 l/min | 153 | 2.5 | 92 | 1.5 | 4 | 8434 2040 41 |

Hoses and gauges



10,000 psi/700 bar hoses

Non-conductive, twin-line hoses are extremely safe, featuring a 4:1 safety ratio and safety hose burst guards. Batch numbers are printed directly on the hose for traceability. This is the one of the best 10,000 psi/700 bar hoses on the market. Couplers and nipples included.



Calibrated gauges

Our gauges are calibrated and have class 1 accuracy. An accurate pressure reading contributes to accurate torquing values.

10,000 psi/700 bar hoses

| Model | Description | Ordering No. |
|-----------|---------------|--------------|
| 90172 | 4.5M / 15 ft | 8434 2050 08 |
| 090172-7 | 7M / 22.9 ft | 8434 2123 95 |
| 090172-10 | 10M / 32 ft | 8434 2123 74 |
| 090172-15 | 15M / 49.2 ft | 8434 2050 10 |
| 090172-20 | 20M / 65.6 ft | 8434 2123 83 |

Calibrated gauges

| Model | Description | Ordering No. |
|----------|--------------------------|--------------|
| 090233-2 | Gauge 70Mpa back mounted | 8434 2124 07 |
| 090233-1 | Gauge 700 bar-10,000 psi | 8434 2124 04 |

Manifold kit

| Model | Description | Ordering No. |
|-----------------|-------------|--------------|
| Lynx and TigAir | 4-port | 8434 2115 73 |

Couplings

and hydraulic oil



Couplings

Couplings are available in standard or quick connect versions.

Couplings

| Model | Description | Ordering No. |
|-------------|------------------------------|--------------|
| 090156-1* | 1/8" Male coupler | 8434 2050 06 |
| 90156** | 1/4" Male coupler | 8434 2123 41 |
| 90157 | 3/8" Female coupler | 8434 2123 44 |
| 090155-1* | Nipple 1/8" Male | 8434 2123 65 |
| QC-COULPERS | Quick connect coupler set | 8434 2131 36 |
| 90101 | Nipple male-male 1/4INx1/4IN | 8434 2050 00 |
| 90103 | Nipple male 1/4INx1/8IN | 8434 2050 02 |
| 90135 | Nipple NPT 1/4INx1/4IN | 8434 2050 04 |
| 90155 | 1/4" Male female nipple | 8434 2123 38 |
| 090155-M* | Nipple 1/4" Male | 8434 2123 68 |

* For RT0.5, RT-01, RTX-02

** For all other models than RT0.5, RT-01, RTX-02

Hydraulic Oil

| Model | Description | Ordering No. |
|-----------|----------------------|--------------|
| Tellus 46 | 5L / 1.32G Container | 8434 2040 45 |

AIR LINE INSTALLATION

CONTENT

| | |
|--------------------------------|-----|
| AIRnet | 106 |
| Air preparation units | 108 |
| Connectors and couplings | 114 |
| Hoses | 130 |
| Hose reels | 140 |
| Balancers | 144 |



AIRnet - Quality Piping Solution



AIRnet technologies and innovations are based on technical expertise gained from more than 140 years of experience with pressurized air applications and equipment.

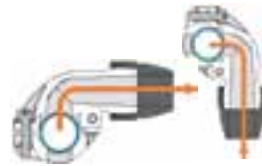
AIRNET IS FAST AND EASY TO INSTALL AND FLEXIBLE FOR THE FUTURE

TIME AND TOOLING

- Quick connections with no need to crimp, thread, solder or glue the pipe
- No heavy tooling or machinery required
- PF series can be connected to any existing network via simple use of adaptor unions and nipple sockets
- PF series is assembled by hand, a push of the pipe into the fitting is all it takes

MODULARITY

- Easy to handle and easy to work with lightweight materials
- Modular design supports extensions and modifications to meet new demands
- Components are interchangeable and reusable after disassembly
- Quickdrops are easily mounted, both horizontally and vertically



Quickdrop design safeguards leaktight and condensate free droplines



White torque indicators (PF Series)

AIRNET IS RELIABLE, SAFE, AND MAINTENANCE FREE

SUSTAINABILITY

- Optimized inner body design minimizes flow resistance and pressure drop in the fittings
- Low friction factor and seamless connections minimize pressure drops in the pipe network
- Superior sealing technology ensures a leak free system and maintains performance over time
- Durable and corrosion resistant materials offers a maintenance free system

SAFETY

- Safety factor of 4 for all diameters
- Camera control and automatic assembly guarantee zero defect manufacturing
- Plastic components and pipe clips comply to UL 94 HB and UL 94 V-2 for flammability
- Torque indicators ensure sufficient torquing














Please contact your Atlas Copco representative or go to <http://www.airnet-system.com> to find out more. The complete AIRnet product range, including part numbers, can be found in the separate AIRnet catalogue.

Air Preparation Units



Atlas Copco air preparation units are designed to help you get maximum productivity from your tools. They ensure minimal pressure drop and therefore minimize energy losses in the air distribution system and cut operating costs. The lifetimes of your tools can be extended by using air preparation units and with that comes lower repair costs and less downtime. A correct air installation ensures productivity and good total economy.

Selection Guide

| Midi | | | | Maxi |
|--|---|---|--|---|
|  | | | |  |
|  <p>Small impact wrenches</p> |  <p>Percussive tools</p> |  <p>Medium impact wrenches</p> |  <p>Large impact wrenches</p> |  <p>Large turbine grinders</p> |
|  <p>Small vane grinders</p> |  <p>Small screwdrivers</p> |  <p>Drills</p> |  <p>Turbine grinders</p> | |
|  <p>Medium vane grinders</p> | |  <p>Large vane grinders</p> | | |
| 0-66 cfm | | | | 66-174 cfm |

AIR

preparation units



The **MIDI Optimizer** is a self-regulating nanolubricator that automatically adjusts to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates.

It is suitable for more than 90% of the Atlas Copco tool range. The unit has a **1/2" NPT** connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert.

NOTE: For dry compressed air, ice formation must be avoided. Minimum air flow for lubrication: 8,84 cfm

- **Working temperature**
-40°F to +140°F
- **Standard filter**
30 µm
- **Operating pressure**
Inlet pressure 0-232 psi
Outlet pressure 7-116 psi
- **Pressure gauge**
1/4" BSP

MIDI Optimizer - 1/2" NPT

| Model | Economical air flow cfm | Maximum air flow cfm | Bowl | Filter condensate drainage | Max condensate capacity oz | Max oil capacity oz | Weight lb | Ordering No. |
|------------------------------------|-------------------------|----------------------|-------------------------|----------------------------|----------------------------|---------------------|-----------|--------------|
| Filters | | | | | | | | |
| MIDI Optimizer FIL M/S | - | 248 | Polymer, plastic insert | Manual/semi auto | 2 | - | 0.66 | 9093 0021 04 |
| MIDI Optimizer FIL A | - | 248 | Polymer, plastic insert | Automatic | 2 | - | 0.66 | 9093 0021 03 |
| Regulators | | | | | | | | |
| MIDI Optimizer REG | - | 206 | - | - | - | - | 0.77 | 9093 0021 07 |
| MIDI Optimizer REG LP | - | 206 | - | - | - | - | 0.77 | 9093 0021 08 |
| Lubricators | | | | | | | | |
| MIDI Optimizer DIM | 66 | 254 | Polymer, plastic insert | - | - | 3 | 0.66 | 9093 0021 11 |
| MIDI Optimizer DIM EP NPT | 66 | 254 | Polymer, plastic insert | - | - | 3 | 0.66 | 9093 0021 34 |
| Filter/regulator | | | | | | | | |
| MIDI Optimizer F/R M/S | - | 190 | Polymer, plastic insert | Manual/semi auto | 2 | - | 1.1 | 9093 0021 15 |
| MIDI Optimizer F/R A | - | 190 | Polymer, plastic insert | Automatic | 2 | - | 1.1 | 9093 0021 14 |
| Filter/regulator+lubricator | | | | | | | | |
| MIDI Optimizer F/RD A | 66 | 116 | Polymer, plastic insert | Automatic | 2 | 3 | 2.2 | 9093 0021 18 |
| MIDI Optimizer F/RD M/S | 66 | 116 | Polymer, plastic insert | Manual/semi auto | 2 | 3 | 2.2 | 9093 0021 19 |
| MIDI Optimizer F/RD A EP | 66 | 116 | Polymer, plastic insert | Automatic | 2 | 3 | 2.2 | 9093 0021 37 |
| MIDI Optimizer F/RD M/S EP | 66 | 116 | Polymer, plastic insert | Manual/semi auto | 2 | 3 | 2.2 | 9093 0021 38 |
| Filter+regulator+lubricator | | | | | | | | |
| MIDI Optimizer FRD M/S | 66 | 116 | Polymer, plastic insert | Manual/semi auto | 2 | 3 | 2.4 | 9093 0021 27 |
| MIDI Optimizer FRD A | 66 | 116 | Polymer, plastic insert | Automatic | 2 | 3 | 2.4 | 9093 0021 26 |

NOTE: **Economical air flow:** 116 psi inlet pressure, 91 psi outlet pressure, 3 psi pressure drop.
Maximum air flow: 145 psi inlet pressure, 91 psi outlet pressure, 15 psi pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MIDI Optimizer F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

EP For impact and pulse tools
A Automatic
M/S Manual/semi automatic
HP High pressure regulator
LP Lockable regulator

AIR

preparation units



MAXI B - 1" NPT

The main application of this high flow air preparation unit is to prepare the air for pneumatic tools which are large air consumers and when long distribution hoses are being used. A good example is Atlas Copco turbine grinders. The **MAXI-B** has a diecast zinc housing and aluminum bowls with polypropylene inserts, and the unit has a **1" NPT** connection thread. The bowl is mounted directly on the housing for easy handling.

NOTE: For dry compressed air, ice formation must be avoided.

- **Working temperature**
14°F to 122°F at 145 psi
- **Operating pressure**
Inlet pressure 0-245 psi
Outlet pressure 7-174 psi
- **Standard filter**
30 µm
- **Pressure gauge**
1/4" BSP

| Model | Economical air flow cfm | Maximum air flow cfm | Bowl | Filter condensate drainage | Max condensate capacity oz | Max oil capacity oz | Weight lb | Ordering No. |
|------------------------------------|-------------------------|----------------------|-------|----------------------------|----------------------------|---------------------|-----------|--------------|
| Filters | | | | | | | | |
| MAXI FIL 25BU-B | 225 | 636 | Metal | Semi/automatic | 4.4 | - | 2 | 9093 0074 31 |
| Regulators | | | | | | | | |
| MAXI REG 25BU | 180 | 566 | - | - | - | - | 2.6 | 9093 0074 71 |
| Lubricators | | | | | | | | |
| MAXI DIM 25BU | 184 | 636 | Metal | - | - | 16.9 | 1.8 | 9093 0075 31 |
| Filter/regulator | | | | | | | | |
| MAXI F/R 25BU-B | 178 | 485 | Metal | Semi/automatic | 4.4 | - | 3.3 | 9093 0075 61 |
| Filter/regulator+lubricator | | | | | | | | |
| MAXI FRD 25BU-B | 171 | 328 | Metal | Semi/automatic | 4.4 | 16.9 | 7.3 | 9093 0076 11 |

NOTE: Economical air flow: 116 psi inlet pressure, 91 psi outlet pressure, 3 psi pressure drop.

Maximum air flow: 145 psi inlet pressure, 91 psi outlet pressure, 3 psi pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MINI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

Accessories

| Model | MIDI OPTIMIZER | |
|---|-------------------|--------------|
| | 1/2" NPT | MAXI-B NPT |
| Mounting bracket kit ^a | 9093 0022 01 | 9093 0076 15 |
| Assembly kit ^a | 9093 0022 02 | 9093 0076 31 |
| Filter (FIL) accessories (30 µm filter element is incl with all filters) | | |
| 30 µm filter element | 9093 0023 04 | 9093 0076 61 |
| 5 µm filter element | 9093 0023 05 | 9093 0076 71 |
| Regulator (REG) accessories ^b | | |
| Pressure gauge, 0-10 bar, Ø 50 mm | 9090 2052 00 | |
| Pressure gauge, 0-10 bar, Metal housing | 9090 2052 01 | |
| Pressure gauge, 0-16 bar, Ø 49 mm | 9090 0239 00 | 9090 0239 00 |
| Panel mounting pressure gauge, 0-10 bar, Ø 50 mm | 9090 1173 00 | |
| Panel mounting pressure gauge, 0-16 bar, Ø 63 mm | | 9093 0076 43 |
| Key lock for regulator -LP | 9092 0074 11 | 9092 0074 11 |
| Lubricator (DIM) accessories | | |
| Air distribution block kit | 9093 0022 03 | 9093 0076 41 |
| Oil reduction plate | 9093 0022 06 | |

^a Are included in combination units (FD, FTD, F/RD and FRD). Mounting bracket kits and assembly kits have to be ordered separately for separate units.^b Pressure gauge 0-10 bar is included in the combination units (F/RD and FRD). Pressure gauge has to be ordered separately for separate units.

Optimizer - Air Tool Oil

Atlas Copco Optimizer air tool oil is a white, oil based lubricant for pneumatic tools. It has excellent antiwear properties and contains additives preventing oxidation and foaming. Optimizer air tool oil provides a better working environment, compared to conventional mist lubrication oils and is recommended when stringent demands are placed on the working environment. Safety data sheets (MSDS/SDS) available online.

- **Temperature range**
-13°F to +158°F
- **Density at 59°F**
0.13 ounce/gallon
- **Viscosity at 104°F**
0.34 in²/s
- **Pour point**
-54°F
- **Flash point COC**
>338°F

| Model | Ordering No. |
|--------------------|--------------|
| Optimizer 16.9 oz | 9090 0000 02 |
| Optimizer 33.8 oz | 9090 0000 04 |
| Optimizer 1 gallon | 9090 0000 06 |



Optimizer - Air Tool Oil

FRL-stand

| Model | Ordering No. |
|------------------------------|--------------|
| FRL-Stand - suits all models | 9090 2101 00 |
| FRL-Stand kit c | 9090 3030 02 |
| FRL Stand - Midi - NPT d | 9090 3030 05 |
| FRL Stand - Maxi - NPT d | 9090 3030 03 |

Includes: Metal stand, large metal gauge up to 10 bar, ErgoQIC 10 coupling, 0.5 liter of optimizer oil, Turbo 13 hose with length 5 meters.
The FRL-stand has BSP connection.
d = No hose is included in FRL-Stand. Please select accessory hose kit below.



FRL-Stand - suits all models

Accessories - Hose kits to FRL-stands -05 and -03

| Model | Ordering No. |
|-----------------------------|--------------|
| TURBO 13 - EQ10US - 5M - US | 8202 1181 91 |
| TURBO 16 - EQ15US - 5M - US | 8202 1181 92 |
| TURBO 20 - EQ15US - 5M - US | 8202 1181 93 |




FRL-stand kit



FRL-stand

Connectors and Couplings





Whenever tools or pneumatic equipment need to be changed, or you need to make quick connections of hoses to an air outlet, Atlas Copco couplings are the energy efficient, high productivity choice.

All Atlas Copco couplings are designed to ensure minimum pressure and thus reduce energy consumption. The exceptionally high air flow ensures full power to your tools.

The couplings are light and compact and the bodies are made of hardened steel, which provides long life in the toughest applications.

Selection guide

QIC

The QIC coupling is a standard one-hand operation coupling with high air flow performance. It is suitable for screwdrivers, assembly tools, drills and grinders. The coupling is strong and durable and is made of hardened steel.



QIC S

The QIC S coupling is a safety coupling with a two-step disconnection. It is suitable for applications where it is important that the potential danger of an uncontrolled pressurized air hose is minimized. The safety features are according to EN 983 and ISO 4414. The QIC S safety coupling is easy to handle and suitable for assembly tools and drills. The QIC safety couplings are made of hardened steel.



Claw

CLAW couplings are made from dropforged, hardened steel which can withstand rough treatment and ensures a long life even under difficult conditions. The coupling head is the same for all hose sizes, which can therefore be freely combined. The recommended maximum working pressure is 145 psi.



ErgoQIC

The ErgoQIC coupling is a ball valve coupling with a safety feature offering a higher flow than ordinary coupling systems. The ErgoQIC is a strong and durable full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC will give the benefits of productivity and energy efficiency. ErgoQIC is designed to minimize the risk of sudden component separation and sound bang. The safety features are according to EN 983 and ISO 4414. It is made of hardened steel.



The ErgoQIC disconnects in two steps; first you push in and bend slowly – the pressurized air hose will then vent, and as a second step you can disconnect without risk of harming the operator.

MultiFlex Swivel

MultiFlex Swivel is a multi-directional connector. Once the tool is connected the hose will stay in the ideal position however much the operator and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight.





- Start here:
 1. Choose your application
 2. Look for the star for your application

✓ Recommended by Atlas Copco for your application

| YOUR APPLICATION | | Bolt size | Air flow requirements | ErgoQIC 08US | ErgoQIC 08 | ErgoQIC 10US | ErgoQIC 10 | ErgoQIC 15US | Air flow cfm | |
|------------------|-------------------------|-------------------|-----------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|--------------|--|
| | | | | Air flow capacity 0-23 cfm | Air flow capacity 0-38 cfm | Air flow capacity 0-57 cfm | Air flow capacity 0-85 cfm | Air flow capacity 0-110 cfm | | |
| | Screwdrivers | M2-M6 | 4 – 17 cfm | ✓ | ✓ | | | | | |
| | | Bolt size | | | | | | | | |
| | Impact wrenches | 1/4" HEX and 3/8" | 4 – 19 cfm | ✓ | ✓ | | | | | |
| | | 3/8" and 1/2" | 21 – 42 cfm | | | ✓ | ✓ | | | |
| | | 1" and 1 1/2" | 59 – 78 cfm | | | | ✓ | ✓ | | |
| | Pulse tools | Bolt size | | | | | | | | |
| | | M4-M5 | 19 cfm | ✓ | ✓ | | | | | |
| | | M6-M12 | 31 – 53 cfm | | ✓ | ✓ | ✓ | | | |
| | Drills | Power | | | | | | | | |
| | | <820 W | 17 – 44 cfm | ✓ | ✓ | ✓ | | | | |
| | | Size | | | | | | | | |
| | Chipping hammers | <7 kg | 13 – 29 cfm | ✓ | ✓ | ✓ | | | | |
| | | Power | | | | | | | | |
| | Die grinders | <500 W | 6 – 21 cfm | ✓ | ✓ | | | | | |
| | | 500-900 W | 14 – 40 cfm | | | ✓ | ✓ | | | |
| | | 0.9-2 kW | 42 – 74 cfm | | | ✓ | ✓ | ✓ | ✓ | |
| | Grinders | Power | | | | | | | | |
| | | <2.5 kW | 67 cfm | | | | ✓ | ✓ | | |
| | Blow guns | | 8-15 cfm | ✓ | ✓ | | | | | |

Interchangeability Guide

| Standard Type Market | Global | | ISO 6150-B (former US) | | |
|--|--------|----|------------------------|------------|------------|
| | | | 1/4" | 3/8" | 1/2" |
| Benelux, France, US, Norway, Switzerland | | | | | |
| Atlas Copco ErgoQIC | 08 | 10 | 08US | 10US | 15US |
| Atlas Copco QIC | | | | 10US | 15US |
| Atlas Copco QIC Safety | | | 08S | | |
| CEJN | | | 310 | 430 | 550 |
| Oetiker | | | SC B1 | SC E | SC H |
| Tema | | | 1400 | | |
| Rectus | | | 23/24 | 30 | 37 |
| Prevost | | | IRC/ISC06 | IRC/ISC08 | ISG 11 |
| Nitto Kohki | | | | | |
| ARO | | | 102 | 103/203 | 104/204 |
| Amflo | | | C20B | C26 | C10 |
| Bosch | | | | | |
| Parker | | | 30 / B23 | 25F | 17 |
| Foster | | | 3003 | 4404 | 5205 |
| Abnox | | | | | |
| Afnor NF 49053 | | | x | x | x |
| Camozzi | | | | | |
| Dynaquip | | | 1/4" | 3/8" | |
| EWO | | | | | |
| Festo | | | | | |
| Gromelle | | | 600 | 900 | |
| Hansen | | | 22/3000 | 400/4000 | 500/5000 |
| Ingersoll Rand | | | A2/MS/102 | A3/103/203 | A4/104/204 |
| Kaeser | | | | | |
| Legris | | | 23/24 | 30 | |
| Tomco | | | 180 | 4000 | 5000 |
| Staubli | | | | | |

Quick couplings



Nipple profile



Atlas Copco Global standard

The ErgoQIC 08 is a full flow quick coupling with no air restriction inside. It is suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08 can improve productivity and energy efficiency.

- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.

Technical Data

| | |
|----------------------|-----------------------------|
| Max flow capacity | 62 cfm (7.3 psi Δ P) |
| Economical air flow | 38 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | 14°F to 158°F |

ErgoQIC 08 and ErgoNIP 08, 38 cfm (recommended air flow at 91 psi pressure)

| Connection type | Coupling ErgoQIC 08 | Ordering No. | Size | | Connection type | Nipple ErgoNIP 08 | Ordering No. | Size | |
|----------------------|---------------------|--------------|---------|-----------------------------------|-----------------|-------------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose | H06 | 8202 1110 04 | 6.3 | 1/4 | H – Hose | H05 | 8202 1210 33 | 5 | 3/16 |
| | H08 | 8202 1110 12 | 8 | 5/16 | | H06 | 8202 1210 37 | 6.3 | 1/4 |
| | H10 | 8202 1110 38 | 10 | 3/8 | | H08 | 8202 1210 45 | 8 | 5/16 |
| | H13 | 8202 1110 40 | 12.5 | 1/2 | | H10 | 8202 1210 52 | 10 | 3/8 |
| M – Male | M08U | 8202 1115 09 | 1/4 NPT | SH – Safety Hose ^a | SH06 | 8202 1210 39 | 6.3 | 1/4 | |
| | M10U | 8202 1115 17 | 3/8 NPT | | SH08 | 8202 1210 47 | 8 | 5/16 | |
| | M15U | 8202 1115 25 | 1/2 NPT | | SH10 | 8202 1210 50 | 10 | 3/8 | |
| | | | | | SH13 | 8202 1210 55 | 12.5 | 1/2 | |
| F – Female | F08U | 8202 1115 30 | 1/4 NPT | M – Male | M06U | 8202 1215 08 | 1/8 NPT | | |
| | F10U | 8202 1115 35 | 3/8 NPT | | M08U | 8202 1215 16 | 1/4 NPT | | |
| | | | | | M10U | 8202 1215 24 | 3/8 NPT | | |
| Protective cover | | 9090 1940 00 | | | | | | | |
| | | | | | F – Female | F10U | 8202 1215 35 | 3/8 NPT | |

^a For joining hoses longer than 9.8 ft.



Nipple profile



Atlas Copco Global standard




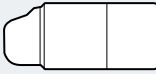
The ErgoQIC 10 is a full flow coupling with no air restriction inside. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 can improve productivity and energy efficiency.

- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global

Technical Data

Max flow capacity 129 cfm (7.3 psi Δ P)
 Economical air flow 85 cfm (29 psi Δ P)
 Max working pressure 230 psi
 Temperature range 14°F to 158°F

ErgoQIC 10 and ErgoNIP 10, 85 cfm (recommended air flow at 91 psi pressure)

| Connection type | Coupling ErgoQIC 10 | Ordering No. | Size | | Connection type | Nipple ErgoNIP 10 | Ordering No. | Size | |
|---|---------------------|--------------|---------|-------------------------------|-----------------|-------------------|--------------|------|------|
| | | | mm | in | | | | mm | in |
|  H – Hose | H06 | 8202 1120 30 | 6.3 | 1/4 | H – Hose | H06 | 8202 1220 35 | 6.3 | 1/4 |
| | H08 | 8202 1120 40 | 8 | 5/16 | | H08 | 8202 1220 43 | 8 | 5/16 |
| | H10 | 8202 1120 02 | 10 | 3/8 | | H10 | 8202 1220 50 | 10 | 3/8 |
| | H13 | 8202 1120 10 | 12.5 | 1/2 | | H13 | 8202 1220 68 | 12.5 | 1/2 |
| | H16 | 8202 1120 50 | 16 | 5/8 | | H16 | 8202 1220 76 | 16 | 5/8 |
| | H20 | 8202 1120 60 | 19 | 3/4 | | H20 | 8202 1220 77 | 19 | 3/4 |
|  M – Male | M08U | 8202 1125 07 | 1/4 NPT | SH – Safety Hose ^a | SH06 | 8202 1220 37 | 6.3 | 1/4 | |
| | M10U | 8202 1125 15 | 3/8 NPT | | SH08 | 8202 1220 45 | 8 | 5/16 | |
| | M15U | 8202 1125 23 | 1/2 NPT | | SH10 | 8202 1220 52 | 10 | 3/8 | |
| | | | | | SH13 | 8202 1220 70 | 12.5 | 1/2 | |
|  F – Female | F08U | 8202 1125 30 | 1/4 NPT | M – Male | M08U | 8202 1225 06 | 1/4 NPT | | |
| | F10U | 8202 1125 35 | 3/8 NPT | | M10U | 8202 1225 14 | 3/8 NPT | | |
| | | | | | M15U | 8202 1225 22 | 1/2 NPT | | |
|  Protective cover | | 9090 1931 00 | | F – Female | F08U | 8202 1225 30 | 1/4 NPT | | |
| | | | | | F10U | 8202 1225 32 | 3/8 NPT | | |
| | | | | | F15U | 8202 1225 34 | 1/2 NPT | | |

^a For joining hoses longer than 9.8 ft.

Quick couplings

ISO 6150-B / US standard



Nipple profile



ErgoQIC 08US

The ErgoQIC 08US is a full flow quick coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08US can improve productivity and energy efficiency. Safety feature according to EN 983 / ISO 4414.

Technical Data

| | |
|----------------------|-----------------------------|
| Max flow capacity | 34 cfm (7.3 psi Δ P) |
| Economical air flow | 23 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | -14°F to 158°F |



QIC 08

The QIC 08 coupling is suitable for small screwdrivers and drills. Its lightweight, compact design makes the QIC 08 coupling easy to work with.

Technical Data

| | |
|----------------------|-----------------------------|
| Max flow capacity | 25 cfm (7.3 psi Δ P) |
| Economical air flow | 17 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | -14°F to 158°F |



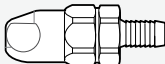



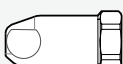

QIC 08S

The QIC 08S is a compact safety coupling suitable for small screwdrivers and drills. The light, compact design of QIC 08S couplings makes them easy to work with. Safety feature according to EN 983 / ISO 4414.

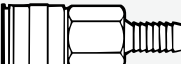
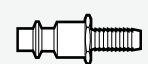

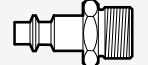
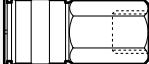
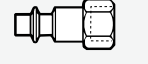
Technical Data

| | |
|----------------------|-----------------------------|
| Max flow capacity | 25 cfm (7.3 psi Δ P) |
| Economical air flow | 17 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | -14°F to 158°F |

ErgoQIC 08US and NIP 08, 23 cfm, (recommended air flow at 91 psi)



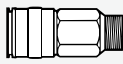
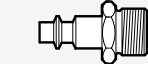


| Connection type | Coupling ErgoQIC 08US | Ordering No. | Size | | Connection type | Nipple NIP 08 | Ordering No. | Size | |
|---|-----------------------|--------------|---------|------|--|---------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose  | H06 | 8202 1103 00 | 6.3 | 1/4 | H – Hose  | H06 | 8202 1205 18 | 6.3 | 1/4 |
| | H08 | 8202 1103 01 | 8 | 5/16 | | H08 | 8202 1205 26 | 8 | 5/16 |
| | H10 | 8202 1103 02 | 10 | 3/8 | | H10 | 8202 1205 34 | 10 | 3/8 |
| | | | | | | H13 | 8202 1208 03 | 12.5 | 1/2 |
| M – Male  | M08 | 8202 1103 05 | 1/4 NPT | | M – Male  | M06 | 8202 1205 42 | 1/8 NPT | |
| | M10 | 8202 1103 07 | 3/8 NPT | | | M08 | 8202 1205 59 | 1/4 NPT | |
| | M15 | 8202 1103 09 | 1/2 NPT | | | M10 | 8202 1205 67 | 3/8 NPT | |
| F – Female  | F08 | 8202 1103 11 | 1/4 NPT | | F – Female  | F08 | 8202 1205 83 | 1/4 NPT | |
| | F10 | 8202 1103 13 | 3/8 NPT | | | F10 | 8202 1205 91 | 3/8 NPT | |

QIC 08 and NIP 08, 17 cfm (recommended air flow at 91 psi)

| Connection type | Coupling QIC 08 | Ordering No. | Size | | Connection type | Nipple NIP 08 | Ordering No. | Size | |
|---|-----------------|--------------|---------|------|--|---------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose  | H06 | 8202 1300 04 | 6.3 | 1/4 | H – Hose  | H06 | 8202 1205 18 | 6.3 | 1/4 |
| | H08 | 8202 1300 12 | 8 | 5/16 | | H08 | 8202 1205 26 | 8 | 5/16 |
| | H10 | 8202 1300 20 | 10 | 3/8 | | H10 | 8202 1205 34 | 10 | 3/8 |
| | | | | | | H13 | 8202 1208 03 | 12.5 | 1/2 |
| M – Male thread*  | M08 | 8202 1300 38 | 1/4 BSP | | M – Male thread*  | M06 | 8202 1205 42 | 1/8 BSP | |
| | M10 | 8202 1300 46 | 3/8 BSP | | | M08 | 8202 1205 59 | 1/4 BSP | |
| | | | | | | M10 | 8202 1205 67 | 3/8 BSP | |
| F – Female thread*  | F08 | 8202 1300 53 | 1/4 BSP | | F – Female thread*  | F08 | 8202 1205 83 | 1/4 BSP | |
| | F10 | 8202 1300 61 | 3/8 BSP | | | F10 | 8202 1205 91 | 3/8 BSP | |

*Coupling in the QIC 08 series are BSP-thread.

QIC 08S and NIP 08, 17 cfm (recommended air flow at 91 psi)

| Connection type | Coupling QIC 08S | Ordering No. | Size | | Connection type | Nipple NIP 08 | Ordering No. | Size | |
|---|------------------|--------------|---------|------|--|---------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose  | H06 | 8202 1300 09 | 6.3 | 1/4 | H – Hose  | H06 | 8202 1205 18 | 6.3 | 1/4 |
| | H08 | 8202 1300 18 | 8 | 5/16 | | H08 | 8202 1205 26 | 8 | 5/16 |
| | H10 | 8202 1300 28 | 10 | 3/8 | | H10 | 8202 1205 34 | 10 | 3/8 |
| | | | | | | H13 | 8202 1208 03 | 12.5 | 1/2 |
| M – Male thread*  | M08 | 8202 1300 43 | 1/4 BSP | | M – Male thread*  | M06 | 8202 1205 42 | 1/8 BSP | |
| | M10 | 8202 1300 45 | 3/8 BSP | | | M08 | 8202 1205 59 | 1/4 BSP | |
| | | | | | | M10 | 8202 1205 67 | 3/8 BSP | |
| F – Female thread*  | F08 | 8202 1300 58 | 1/4 BSP | | F – Female thread*  | F08 | 8202 1205 83 | 1/4 BSP | |
| | F10 | 8202 1300 68 | 3/8 BSP | | | F10 | 8202 1205 91 | 3/8 BSP | |

*Coupling in the QIC 08S series are BSP-thread.

ISO 6150-B / US standard



Nipple profile



ErgoQIC 10US

The ErgoQIC 10US is a full flow quick coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10US couplings can improve productivity and energy efficiency. Safety feature according to EN 983 / ISO 4414.

QIC 10US

The QIC 10US quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

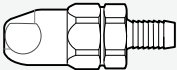

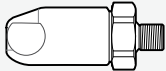
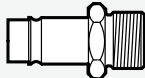
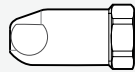
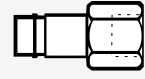
Technical Data

Max flow capacity 89 cfm (7.3 psi Δ P)
 Economical air flow 57 cfm (2.9 psi Δ P)
 Max working pressure 230 psi
 Temperature range -14°F to 158°F

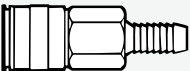


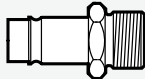
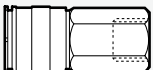
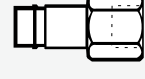
Technical Data

Max flow capacity 40 cfm (7.3 psi Δ P)
 Economical air flow 25 cfm (2.9 psi Δ P)
 Max working pressure 145 psi
 Temperature range -4°F to 176°F

ErgoQIC 10US and NIP 10US, 57cfm (recommended air flow at 91 psi)

| Connection type | Coupling ErgoQIC 10US | Ordering No. | Size | | Connection type | Nipple NIP 10US | Ordering No. | Size | |
|---|-----------------------|--------------|---------|-----|--|-----------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose  | H10 | 8202 1107 02 | 10 | 3/8 | H – Hose  | H08 | 8202 1210 70 | 8 | 5/16 |
| | H13 | 8202 1107 03 | 12.5 | 1/2 | | H10 | 8202 1210 71 | 10 | 3/8 |
| | H16 | 8202 1107 04 | 16 | 5/8 | | H13 | 8202 1210 72 | 12.5 | 1/2 |
| | H20 | 8202 1107 05 | 19 | 3/4 | | H16 | 8202 1210 73 | 16 | 5/8 |
| M – Male  | M08U | 8202 1107 06 | 1/4 NPT | | M – Male  | M08U | 8202 1210 78 | 1/4 NPT | |
| | M10U | 8202 1107 08 | 3/8 NPT | | | M10U | 8202 1210 79 | 3/8 NPT | |
| | M15U | 8202 1107 10 | 1/2 NPT | | | M15U | 8202 1210 80 | 1/2 NPT | |
| F – Female  | F08U | 8202 1107 12 | 1/4 NPT | | F – Female  | F08U | 8202 1210 84 | 1/4 NPT | |
| | F10U | 8202 1107 14 | 3/8 NPT | | | F10U | 8202 1210 85 | 3/8 NPT | |
| | F15U | 8202 1107 16 | 1/2 NPT | | | F15U | 8202 1210 86 | 1/2 NPT | |

QIC 10US and NIP 10US, 25 cfm (recommended air flow at 91 psi)

| Connection type | Coupling QIC 10US | Ordering No. | Size | | Connection type | Nipple NIP 10US | Ordering No. | Size | |
|---|-------------------|--------------|---------|------|--|-----------------|--------------|---------|------|
| | | | mm | in | | | | mm | in |
| H – Hose  | H08 | 8202 1307 01 | 8 | 5/16 | H – Hose  | H08 | 8202 1210 70 | 8 | 5/16 |
| | H10 | 8202 1307 02 | 10 | 3/8 | | H10 | 8202 1210 71 | 10 | 3/8 |
| | H13 | 8202 1307 03 | 12.5 | 1/2 | | H13 | 8202 1210 72 | 12.5 | 1/2 |
| M – Male  | M08U | 8202 1307 04 | 1/4 NPT | | M – Male  | M08U | 8202 1210 78 | 1/4 NPT | |
| | M10U | 8202 1307 05 | 3/8 NPT | | | M10U | 8202 1210 79 | 3/8 NPT | |
| | M15U | 8202 1307 06 | 1/2 NPT | | | M15U | 8202 1210 80 | 1/2 NPT | |
| F – Female  | F08U | 8202 1307 07 | 1/4 NPT | | F – Female  | F08U | 8202 1210 84 | 1/4 NPT | |
| | F10U | 8202 1307 08 | 3/8 NPT | | | F10U | 8202 1210 85 | 3/8 NPT | |
| | F15U | 8202 1307 09 | 1/2 NPT | | | F15U | 8202 1210 86 | 1/2 NPT | |

ISO 6150-B / US standard



Nipple profile



ErgoQIC 15US

The ErgoQIC 15US is a full flow coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15US can improve productivity and energy efficiency. Safety feature according to EN 983 / ISO 4414.

QIC 15US

The QIC 15US quick coupling is suitable for assembly tools, drills and grinders. The QIC 15US has a wide range of connections available and it is interchangeable with US 1/2" standard nipples.

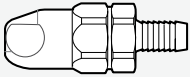

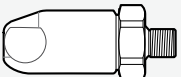
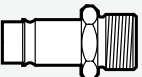
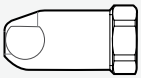
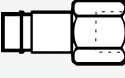
Technical Data

| | |
|----------------------|------------------------------|
| Max flow capacity | 161 cfm (7.3 psi Δ P) |
| Economical air flow | 110 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | -4°F to +176°F |

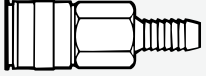

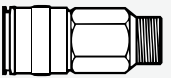
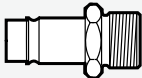
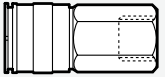
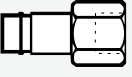
Technical Data

| | |
|----------------------|-----------------------------|
| Max flow capacity | 85 cfm (7.3 psi Δ P) |
| Economical air flow | 47 cfm (2.9 psi Δ P) |
| Max working pressure | 230 psi |
| Temperature range | -4°F to +176°F |

ErgoQIC 15US and NIP 15US, 110 cfm (recommended air flow at 91 psi)

| Connection type | Coupling ErgoQIC 15US | Ordering No. | Size | | Connection type | Nipple NIP 15US | Ordering No. | Size | |
|---|-----------------------|--------------|---------|-----|--|-----------------|--------------|---------|-----|
| | | | mm | in | | | | mm | in |
| H – Hose  | H10 | 8202 1108 02 | 10 | 3/8 | H – Hose  | H10 | 8202 1215 40 | 10 | 3/8 |
| | H13 | 8202 1108 03 | 12.5 | 1/2 | | H13 | 8202 1215 41 | 12.5 | 1/2 |
| | H16 | 8202 1108 04 | 16 | 5/8 | | H16 | 8202 1215 42 | 16 | 5/8 |
| | H20 | 8202 1108 05 | 19 | 3/4 | | H20 | 8202 1215 43 | 19 | 3/4 |
| M – Male  | M10U | 8202 1108 08 | 3/8 NPT | | M – Male  | M10U | 8202 1215 49 | 3/8 NPT | |
| | M15U | 8202 1108 10 | 1/2 NPT | | | M15U | 8202 1215 50 | 1/2 NPT | |
| | | | | | | M20U | 8202 1215 51 | 3/4 NPT | |
| F – Female  | F10U | 8202 1108 14 | 3/8 NPT | | F – Female  | F10U | 8202 1215 54 | 3/8 NPT | |
| | F15U | 8202 1108 16 | 1/2 NPT | | | F15U | 8202 1215 55 | 1/2 NPT | |
| | | | | | | F20U | 8202 1215 56 | 3/4 NPT | |

QIC 15US and NIP 15US, 47 cfm (recommended air flow at 91 psi)

| Connection type | Coupling QIC 15US | Ordering No. | Size | | Connection type | Nipple NIP 15US | Ordering No. | Size | |
|---|-------------------|--------------|---------|-----|--|-----------------|--------------|---------|-----|
| | | | mm | in | | | | mm | in |
| H – Hose  | H13 | 8202 1308 02 | 12.5 | 1/2 | H – Hose  | H10 | 8202 1215 40 | 10 | 3/8 |
| | H16 | 8202 1308 20 | 16 | 5/8 | | H13 | 8202 1215 41 | 12.5 | 1/2 |
| | H20 | 8202 1308 03 | 19 | 3/4 | | H16 | 8202 1215 42 | 16 | 5/8 |
| | | | | | | H20 | 8202 1215 43 | 19 | 3/4 |
| M – Male  | M10U | 8202 1308 04 | 3/8 NPT | | M – Male  | M10U | 8202 1215 49 | 3/8 NPT | |
| | M15U | 8202 1308 05 | 1/2 NPT | | | M15U | 8202 1215 50 | 1/2 NPT | |
| | M20U | 8202 1308 06 | 3/4 NPT | | | M20U | 8202 1215 51 | 3/4 NPT | |
| F – Female  | F10U | 8202 1308 07 | 3/8 NPT | | F – Female  | F10U | 8202 1215 54 | 3/8 NPT | |
| | F15U | 8202 1308 08 | 1/2 NPT | | | F15U | 8202 1215 55 | 1/2 NPT | |
| | F20U | 8202 1308 09 | 3/4 NPT | | | F20U | 8202 1215 56 | 3/4 NPT | |

Claw

couplings



CLAW couplings are made from zinc-plated, dropforged, hardened steel, ensuring long life even under difficult conditions. The coupling head is the same for all hose sizes and can therefore be freely combined. The recommended maximum working pressure is 145 psi.

Technical Data

Economical air flow 590 cfm (2.9 psi Δ P)
 Max working pressure 232 psi
 Temperature range 14°F to 176°F

| Connection type | Coupling CLAW | Ordering No. | Size | | Bore B, in |
|-----------------|---------------|--------------|---------|-----|------------|
| | | | mm | in | |
| H – Hose | H20 | 9001 0005 12 | 19 | 3/4 | 9/16 |
| | H25 | 9001 0005 13 | 25 | 1 | 3/4 |
| M – Male thread | M15 | 9001 0005 01 | 1/2 NPT | | 15/32 |
| | M20 | 9001 0005 02 | 3/4 NPT | | 43/64 |
| | M25 | 9001 0005 03 | 1 NPT | | 3/4 |

Ball valves



BAL-1A

Suitable for air, water and many other liquids and gases due to the choice of material.

BAL-1A – with teflon seals

Intended for operating either fully open or fully closed.

Technical Data

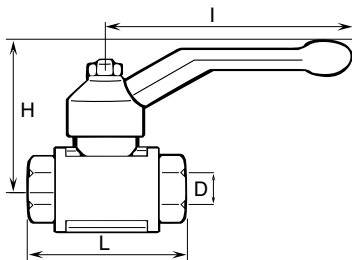
BAL-1A

Maximum working pressure: 232 psi

Working temperature range: -22°F to +392°F

| Model | Connection thread in NPT | Bore D in | L in | H in | I in | Ordering No. |
|-----------|--------------------------|-----------|------|------|------|--------------|
| BAL-1A 15 | 1/2 | 0.6 | 2.4 | 2 | 3.7 | 8202 0306 30 |
| BAL-1A 25 | 1 | 1 | 3.3 | 2.6 | 4.8 | 8202 0306 46 |

Dimensions



Swivel

connectors



MultiFlex swivel Multi-directional connector

The MultiFlex swivel is an ingenious multi-directional connector. Connect your tool and the hose will stay in the ideal position however much you and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight. The hose feels almost weightless and hose wear is reduced. Safety factor 4 on MultiFlex couplings. Maximum recommended working pressure is 145 psi.



| Model | Max rec. air flow ^a | | Thread | | Weight lb | Length in | Dia in | Ordering No. |
|---------------------------------|--------------------------------|-----|-----------------|----------------|-----------|-----------|--------|--------------|
| | l/s | cfm | Inlet female in | Outlet male in | | | | |
| MultiFlex 1/8" NPT | 12 | 25 | 1/8 | 1/8 | 0.16 | 2.6 | 0.94 | 8202 1350 25 |
| MultiFlex 1/4" NPT | 12 | 25 | 1/4 | 1/4 | 0.16 | 2.6 | 0.94 | 8202 1350 26 |
| MultiFlex 3/8" NPT | 32 | 68 | 3/8 | 3/8 | 0.29 | 3.2 | 1.16 | 8202 1350 28 |
| MultiFlex 1/2" NPT | 32 | 68 | 1/2 | 1/2 | 0.28 | 3.2 | 1.16 | 8202 1350 30 |
| MultiFlex 1/8" NPT ^b | 12 | 25 | 1/8 | 1/8 | 0.17 | 2.6 | 1.06 | 8202 1350 50 |
| MultiFlex 1/4" NPT ^b | 12 | 25 | 1/4 | 1/4 | 0.17 | 2.6 | 1.06 | 8202 1350 51 |
| MultiFlex 1/2" NPT ^c | 54 | 114 | 1/2 | 1/2 | 0.72 | 3.87 | 1.54 | 8202 1350 62 |

^aThe pressure drop will be 2.9 psi at an inlet pressure of 87 psi.

^b With cover.
^c HIGH FLOW.

Fittings

Gaskets



| For couplings with male parallel thread | Fiber gasket between material and nipple Ordering No. |
|---|--|
| M5 | 0657 5710 00 |
| 1/8 NPT | 0657 5742 00 |
| 1/4 NPT | 0657 5764 00 |
| 3/8 NPT | 0657 5785 00 |
| 1/2 NPT | 0653 0500 01 |
| 3/4 NPT | 0657 5823 00 |
| 1 NPT | 0657 5830 00 |

Simple pressure clamps for PVC HOSES



| For CABLAIR | For PVC | One-lugged steel clamp mm | Ordering No. |
|-------------|---------|---------------------------|--------------|
| - | - | 5.2- 6.2 | 0347 0122 18 |
| - | - | 5.9- 7.0 | 0347 0122 19 |
| - | 03 | 7.0- 8.5 | 0347 0122 05 |
| 06 | 05 | 8.5-10.0 | 0347 0122 06 |
| 08 | 06 | 9.8-11.8 | 0347 0122 07 |
| - | 08 | 11.3-13.3 | 0347 0122 08 |
| 10 | - | 12.8-14.8 | 0347 0122 09 |
| - | 10 | 14.6-16.8 | 0347 0122 10 |
| 13 | - | 16.5-18.8 | 0347 0122 11 |
| - | 13 | 18.0-20.3 | 0347 0122 12 |
| 16 | - | 20.2-22.8 | 0347 0122 13 |
| - | - | 22.0-24.8 | 0347 0122 14 |
| 20 | - | 23.3-26.3 | 0347 0122 15 |
| - | - | 26.5-30.0 | 0347 0122 16 |
| 25 | - | 29.8-33.1 | 0347 0122 22 |

Medium pressure clamps for PVC HOSES



| For CABLAIR | For PVC, POLUR | Medium clamp worm drive mm | Ordering No. |
|-------------|----------------|----------------------------|--------------|
| - | - | 8.0-14.0 | 0347 6102 00 |
| - | 08 | 11.0-17.0 | 0347 6103 00 |
| - | 10 | 11.0-17.0 | 0347 6103 00 |
| - | - | 13.0-20.0 | 0347 6104 00 |
| 16 | 13 | 15.0-24.0 | 0347 6105 00 |
| 20 | 16 | 19.0-28.0 | 0347 6106 00 |
| - | 20 | 22.0-32.0 | 0347 6107 00 |
| 25 | 25 | 26.0-38.0 | 0347 6109 00 |
| - | - | 32.0-44.0 | 0347 6111 00 |
| - | - | 38.0-50.0 | 0347 6112 00 |
| - | - | 50.0-65.0 | 0347 6113 00 |

Medium pressure clamps for RUBBER HOSES



| For TURBO | For RUBAIR | Medium clamp worm drive mm | Ordering No. |
|-----------|------------|----------------------------|--------------|
| - | 06 | 11.0-17.0 | 0347 6103 00 |
| 13 | 10 | 13.0-20.0 | 0347 6104 00 |
| 16 | 13 | 15.0-24.0 | 0347 6105 00 |
| - | 16 | 19.0-28.0 | 0347 6106 00 |
| 20 | - | 22.0-32.0 | 0347 6107 00 |
| - | 20 | 26.0-38.0 | 0347 6109 00 |

Heavy-duty pressure clamps for RUBBER HOSES



| For TURBO | For RUBAIR | Heavy-duty clamp mm | Ordering No. |
|-----------|------------|---------------------|--------------|
| - | - | 22.0-25.0 | 9000 0194 00 |
| 20 | 16 | 25.0-28.0 | 9000 0195 00 |
| - | 20 | 29.0-32.0 | 9000 0196 00 |
| - | 25 | 34.0-38.0 | 9000 0197 00 |

Double connection Male taper thread – male taper thread



| From thread in | To thread in | Ordering No. |
|----------------|--------------|--------------|
| 1/2 NPT | 1/2 NPT | 9090 0160 01 |
| 1 NPT | 1 NPT | 9090 0200 01 |

Hoses



Atlas Copco Tools has seven different hoses covering all types of needs for pneumatic hand tools.

The diagram helps you to choose the right hose according to the air consumption of the tool and the length of the hose. The purpose of the diagram is to ensure that the pressure drop in the hoses does not exceed 2.9 psi.

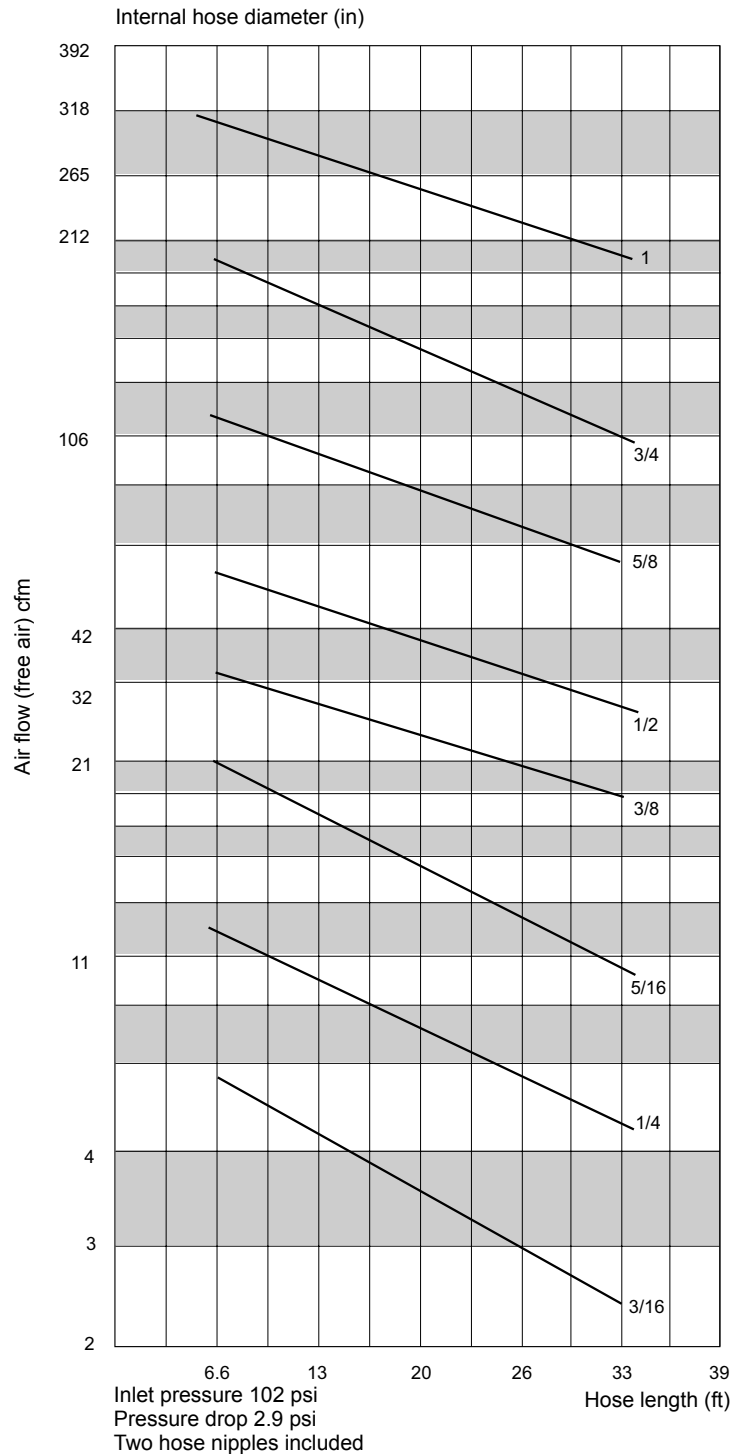
How to find correct internal hose diameter:

1. Find the required air consumption for the tool and the required hose length.
2. Use the required hose length and air flow to find required hose size.

Example

The tool has an air consumption of 21 cfm and the application requires a hose length of 23 ft. These two values have a cross point slightly under the 3/8 inch size hose (23 ft of 3/8 inch hose gives a value of approximately 23.3 cfm). Therefore a 3/8 inch hose will be suitable.

Pressure drop diagram for hoses



Rubber hoses



TURBO Super-light flexible rubber hose

The Turbo hose has been developed for both indoor and outdoor use. The hose weighs 30–40% less than conventional rubber hoses. Turbo hose is oil resistant.

- Extremely low weight.
- Soft and flexible.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -22°F to +158°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b l/s | Max rec. air flow ^b cfm | Weight per | | Ordering No. |
|----------|-----------------|-----|------------------|-----|--|---------------------------------------|---------------------------------------|------------------|-------------------|--------------|
| | mm | in | mm | in | | | | 65 ft coil lb | 101 ft coil lb | |
| TURBO 13 | 13 | 1/2 | 19 | 3/4 | 290 | 21 | 45 | 8.5 | – | 9093 0057 91 |
| TURBO 13 | 13 | 1/2 | 19 | 3/4 | 290 | 21 | 45 | – | 13 | 9093 0057 93 |
| TURBO 16 | 16 | 5/8 | 22.8 | 8/9 | 290 | 43 | 91 | 10.5 | – | 9093 0057 31 |
| TURBO 16 | 16 | 5/8 | 22.8 | 8/9 | 290 | 43 | 91 | – | 15.9 | 9093 0057 33 |
| TURBO 20 | 20 | 3/4 | 27 | 1 | 290 | 75 | 159 | 12 | – | 9093 0057 61 |

^aWith a safety factor of 3 at 68°F.

^bThe pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.



RUBBER Durable, reinforced, extra thick, heavy duty rubber hose

Withstands rough handling and is suitable for the most demanding industrial tasks. The inner lining is black EPDM rubber and the hose is conductive to dissipate static electricity. Reinforced with synthetic textile yarns that provide high tensile strength.

- Durable.
- Grinding and welding spatter resistant.
- Working temperature -13°F to +158°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b cfm | Length ft | Weight lb | Ordering No. |
|--------|-----------------|-----|------------------|-------|--|---------------------------------------|--------------|--------------|--------------|
| | mm | in | mm | in | | | | | |
| RUBBER | 6.3 | 1/4 | 12 | 1/2 | 232 | 9 | 98 | 7.7 | 9030 2036 00 |
| RUBBER | 10 | 3/8 | 17 | 2/3 | 232 | 27 | 98 | 15.2 | 9030 2037 00 |
| RUBBER | 12.5 | 1/2 | 22 | 5/8 | 232 | 44 | 98 | 27.1 | 9030 2038 00 |
| RUBBER | 16 | 5/8 | 25 | 3/4 | 232 | 91 | 98 | 30.6 | 9030 2039 00 |
| RUBBER | 20 | 3/4 | 30 | 1 1/5 | 232 | 159 | 98 | 42.5 | 9030 2040 00 |
| RUBBER | 25 | 1 | 36 | 1 1/2 | 232 | 265 | 98 | 52.9 | 9030 2041 00 |

^a With a safety factor of 3 at 68°F.

^b The pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.



RUBAIR
Durable reinforced heavy
duty rubber hose

Rubair hose is double reinforced to fulfil all general heavy duty demands and is recommended for indoor and outdoor use. Rubair hose is oil resistant.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -4°F to +176°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b cfm | Weight per 65 ft coli lb | Ordering No. |
|-----------|-----------------|-----|------------------|-----|--|---------------------------------------|-----------------------------|--------------|
| | mm | in | mm | in | | | | |
| RUBAIR 10 | 10 | 3/8 | 16.0 | 5/8 | 232 | 27 | 7.9 | 8202 0402 10 |
| RUBAIR 13 | 12.5 | 1/2 | 19.1 | 3/4 | 232 | 44 | 10.4 | 8202 0403 13 |
| RUBAIR 16 | 16 | 5/8 | 23.0 | 1 | 232 | 91 | 13.5 | 8202 0404 16 |
| RUBAIR 20 | 20 | 3/4 | 26.6 | 1 | 232 | 159 | 17.2 | 8202 0405 20 |

^aWith a safety factor of 4 at 68°F.

^bThe pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.

Hoses



CABLAIR Super-light flexible PVC-hose

Cablaire is made of high-strength and high performance PVC compound. The Cablaire hose weighs 30–50% less, is much softer and more flexible than conventional PVC hoses.

- Low weight.
- Extremely soft and flexible.
- Silicone free.
- Ergonomic.
- Working temperature 5°F to 140°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b cfm | Weight per 30 m coil lb | Ordering No. |
|------------|-----------------|-----|------------------|-------|--|---------------------------------------|----------------------------|--------------|
| | mm | in | mm | in | | | | |
| CABLAIR 06 | 6 | 1/4 | 8.5 | 1/3 | 203 | 8.5 | 2.6 | 9093 0035 11 |
| CABLAIR 08 | 8 | 1/3 | 11 | 3/7 | 203 | 16 | 3.7 | 9093 0035 41 |
| CABLAIR 10 | 10 | 2/5 | 13 | 1/2 | 174 | 27 | 4.6 | 9093 0035 71 |
| CABLAIR 13 | 12.5 | 1/2 | 16 | 5/8 | 160 | 44 | 6.6 | 9093 0036 01 |
| CABLAIR 16 | 16 | 5/8 | 21 | 5/6 | 116 | 91 | 11.9 | 9093 0036 31 |
| CABLAIR 20 | 19 | 3/4 | 24 | 1 | 116 | 158 | 12.8 | 9093 0036 61 |
| CABLAIR 25 | 25 | 1 | 31.5 | 1 1/4 | 100 | 264 | 23 | 9093 0036 91 |

^a With a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

^b The pressure drop will be 3 psi on a hose length of 16 ft.

CABLAIR ESD Extra flexible antistatic air hose

Cablaire ESD is designed specifically for the computer manufacturing industry. The hose possesses properties which enable ESDS (electrostatic sensitive devices) to be handled in a protected area with a low risk level, as a result of electrostatic discharge. The connection device must be earthed/grounded.

- Extra flexible.
- Antistatic.
- Silicone free.
- Testing in accordance with BS ISO 2878:2005.
- Working temperature 5°F to 140°F.



| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow cfm | Weight per 30 m coil kg | Weight per 98 ft coil lb | Ordering No. |
|----------------|-----------------|------|------------------|-------|--|--------------------------|----------------------------|-----------------------------|--------------|
| | mm | in | mm | in | | | | | |
| CABLAIR ESD 06 | 6 | 1/4 | 11 | 7/16 | 145 | 9 | 2.34 | 5 | 8202 0501 06 |
| CABLAIR ESD 08 | 8 | 5/16 | 12 | 1/2 | 130 | 16 | 2.56 | 5.6 | 8202 0501 08 |
| CABLAIR ESD 10 | 10 | 3/8 | 14 | 9/16 | 116 | 28 | 2.71 | 6 | 8202 0501 10 |
| CABLAIR ESD 13 | 13 | 1/2 | 18 | 23/32 | 100 | 45 | 4.41 | 9.7 | 8202 0501 13 |

^a With a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).



PVC
Hose for heavy-duty applications

PVC hose has high resistance to abrasion, which makes it the ideal hose for tough working environments. It is mainly recommended for indoor use.

- Long service life.
- Pliable.
- Transparent.
- Working temperature 5°F to 140°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b cfm | Weight per 101 ft coil lb | Ordering No. |
|--------|-----------------|------|------------------|-------|--|---------------------------------------|------------------------------|--------------|
| | mm | in | mm | in | | | | |
| PVC 03 | 3.2 | 1/8 | 7 | 2/7 | 290 | 2 | 3 | 9093 0037 21 |
| PVC 05 | 5 | 3/16 | 9 | 1/3 | 261 | 5 | 4 | 9093 0037 51 |
| PVC 06 | 6.3 | 1/4 | 11 | 3/7 | 261 | 9 | 5.5 | 9093 0037 81 |
| PVC 08 | 8 | 5/16 | 12 | 1/2 | 261 | 16 | 6.4 | 9093 0038 11 |
| PVC 10 | 10 | 3/8 | 14 | 5/9 | 203 | 28 | 8 | 9093 0038 41 |
| PVC 13 | 12.5 | 1/2 | 18 | 5/7 | 188 | 45 | 13 | 9093 0038 71 |
| PVC 16 | 16 | 5/8 | 22 | 6/7 | 174 | 91 | 16 | 9093 0039 01 |
| PVC 20 | 19 | 3/4 | 25 | 1 | 145 | 159 | 18 | 9093 0039 31 |
| PVC 25 | 25 | 1 | 32 | 1 1/4 | 145 | 265 | 27.5 | 9093 0039 61 |

^aWith a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

^bThe pressure drop will be 3 psi on a hose length of 16 ft.



POLUR
High resistance polyurethane hose

Polur hose is the most environmentally friendly solution. It has high resistance to abrasion and it is oil resistant. Polur hose has a much longer lifetime than PVC hoses. Polur is ideal in tough working conditions due to its flexibility, even at minus degrees. Polur is recommended for indoor and outdoor use.

- Oil resistant.
- Flexible.
- Long service life.
- Working temperature -22°F to +140°F.

| Model | Hose inside dia | | Hose outside dia | | Max working pressure ^a psi | Max rec. air flow ^b cfm | Weight per 82 ft coil lb | Ordering No. |
|----------|-----------------|------|------------------|-----|--|---------------------------------------|-----------------------------|--------------|
| | mm | in | mm | in | | | | |
| POLUR 08 | 8 | 5/16 | 12 | 1/2 | 290 | 16 | 5 | 8202 0601 08 |
| POLUR 10 | 10 | 3/8 | 14 | 5/9 | 232 | 28 | 5.5 | 8202 0602 10 |
| POLUR 13 | 13 | 1/2 | 18 | 5/7 | 188 | 45 | 9 | 8202 0603 13 |

^aWith a safety factor of 3 at 68°F (at the max temp of +140°F the working pressure should be reduced by 50%).

^bThe pressure drop will be 3 psi on a hose length of 16 ft, including 2 nipples and at an inlet pressure of 101 psi.

Spiral hoses



SPI

Elastic hose for vertical and horizontal applications

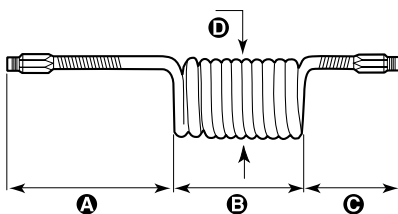
SPI elastic spiral hose is ideal for air tools used at varying distances from a fixed air outlet. It is easily stretched and retracts immediately when released. When used with hand tools, its self-storage principle ensures that the hose is kept off the floor and out of the way of the operator. The SPI 1 and SPI 2 have ball bearing swivels fitted on the long hose side to allow 360° rotation. All spiral hoses, except the SPI4, are fitted with plastic spring guard. SPI is the ideal hose in combination with a balancer.

- Self-retractable.
- Light and flexible.
- Strong and durable.
- Tubing material: Polyurethane (100% PUR).
- Hardness: Shore A 98 +2.
- Colour: Blue.
- Working pressure: 116 psi at 73°F.
- Burst pressure: 363 psi at 73°F.
- Temperature range: -40°F to +158°F.

| Model | Hose inside dia in | Hose outside dia in | Max. rec. air flow ^a cfm | Working range ft | Length | | | Max spiral dia (D) ft | Male threads in NPT | Ordering No. |
|-------------|--------------------|---------------------|-------------------------------------|------------------|--------|--------|--------|-----------------------|---------------------|--------------|
| | | | | | (A) in | (B) in | (C) in | | | |
| SPI 1SPSW-M | 1/4 | 3/8 | 10 | 13 | 19 1/2 | 13 | 6 | 2 | 1/4 | 8202 0508 91 |
| SPI 2SPSW-M | 5/16 | 1/2 | 21 | 13 | 19 1/2 | 10 1/2 | 6 | 2 3/4 | 3/8 | 8202 0508 92 |
| SPI 2SPSW-L | 5/16 | 1/2 | 19 | 20 | 19 1/2 | 17 | 6 | 2 3/4 | 3/8 | 8202 0508 93 |
| SPI 3SP-M | 7/16 | 5/8 | 47 | 13 | 19 1/2 | 10 | 6 | 4 | 3/8 | 8202 0508 95 |
| SPI 3SP-L | 7/16 | 5/8 | 36 | 20 | 19 1/2 | 15 1/2 | 6 | 4 | 3/8 | 8202 0508 96 |
| SPI 3SP-XL | 7/16 | 5/8 | 28 | 26 | 19 1/2 | 21 1/2 | 6 | 4 | 3/8 | 8202 0508 97 |
| SPI 4SP-L | 1/2 | 3/4 | 57 | 20 | 19 1/2 | 40 1/3 | 6 | 4 1/2 | 1/2 | 8202 0508 98 |
| SPI 4SP-XXL | 1/2 | 3/4 | 45 | 33 | 19 1/2 | 33 1/2 | 20 | 4 1/2 | 1/2 | 8202 0508 99 |

^a At inlet pressure 87 psi and pressure drop 7 psi.

Dimensions



Productivity kits



Productivity kits boost productivity, extend tool lifetime and ensure minimum pressure drop. Each productivity kit includes a ball valve, air preparation unit, and the couplings, hose and nipples needed for correct and safe installation of the tool. Just choose the correct productivity kit based on the air flow requirement of the tool and whether the tool needs lubrication or not. You'll be surprised how much the productivity kit improves the performance of the tool.

Productivity kits for screwdrivers, drills and grinders

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Ordering No. |
|--|---------------------|--------------|---------------|--------------|--------------|
| For screwdrivers and drills | | | | | |
| MIDI Optimizer F/RD EQ08US-C08 | 16 cfm | 19 cfm | Cabclair 08 | ErgoQIC 08US | 8202 0850 23 |
| MIDI Optimizer F/R EQ08US-C08 | 16 cfm | 19 cfm | Cabclair 08 | ErgoQIC 08US | 8202 0850 24 |
| For 1/2" drills and small nutrunners | | | | | |
| MIDI Optimizer F/RD EQ10US-C10 | 28 cfm | 34 cfm | Cabclair 10 | ErgoQIC 10US | 8202 0850 25 |
| MIDI Optimizer F/RD EQ10US-R10 | 28 cfm | 34 cfm | Rubair 10 | ErgoQIC 10US | 8202 0850 26 |
| For drills and small nutrunners | | | | | |
| MIDI Optimizer F/RD EQ10US-C13 | 45 cfm | 50 cfm | Cabclair 13 | ErgoQIC 10US | 8202 0850 27 |
| MIDI Optimizer F/RD EQ10US-R13 | 45 cfm | 50 cfm | Rubair 13 | ErgoQIC 10US | 8202 0850 28 |
| For grinders, percussive tools and nutrunners | | | | | |
| MIDI Optimizer F/RD EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | 8202 0850 29 |
| MIDI Optimizer F/R EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | 8202 0850 30 |
| For large grinders | | | | | |
| MIDI Optimizer F/RD EQ15US-T16 | 66 cfm | 85 cfm | Turbo 16 | ErgoQIC 15US | 8202 0850 31 |
| MAXI F/R EQ15US-T20 | 110 cfm | 140 cfm | Turbo 20 | ErgoQIC 15US | 8202 0850 32 |
| MAXI F/RD EQ15US-T20 | 110 cfm | 140 cfm | Turbo 20 | ErgoQIC 15US | 8202 0850 33 |

Productivity kits for impact wrenches and pulse tools

| Model | Economical air flow | Max air flow | Hose, 16.4 ft | Coupling | Ordering No. |
|---|---------------------|--------------|---------------|--------------|--------------|
| For small impacts and pulse tools | | | | | |
| MIDI Optimizer F/RD EP EQ08US-C08 | 16 cfm | 19 cfm | Cabclair 08 | ErgoQIC 08US | 8202 0850 45 |
| For 1/2" impact wrenches and pulse tools | | | | | |
| MIDI Optimizer F/RD EP EQ10US-C10 | 28 cfm | 34 cfm | Cabclair 10 | ErgoQIC 10US | 8202 0850 46 |
| For impact wrenches and pulse tools | | | | | |
| MIDI Optimizer F/RD EP EQ10US-C13 | 45 cfm | 50 cfm | Cabclair 13 | ErgoQIC 10US | 8202 0850 47 |
| MIDI Optimizer F/RD EP EQ10US-T13 | 45 cfm | 65 cfm | Turbo 13 | ErgoQIC 10US | 8202 0850 48 |

NOTE: Tool nipple is not included in the Productivity kit and needs to be ordered separately together with the tool.

Hose kits



Pre-mounted hose kits

Atlas Copco hose kits give you the correct combination of hose and coupling so that you don't need to spend time choosing and mounting.

- Correct combination hose – coupling.
- Immediate use.












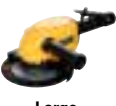
| Hose | Dia in | Length ft | Nipple | Coupling | Air inlet thread nipple NPT | Ordering No. |
|----------|-----------|--------------|------------|--------------|--------------------------------|--------------|
| Cablaire | 1/4 | 16 | ErgoNIP 08 | ErgoQIC 08 | - | 8202 1182 01 |
| Cablaire | 1/4 | 16 | NIP 08 | ErgoQIC 08US | - | 8202 1182 16 |
| Cablaire | 5/16 | 16 | NIP 08 | ErgoQIC 08US | - | 8202 1182 21 |
| Cablaire | 3/8 | 16 | ErgoNIP 10 | ErgoQIC 08 | 1/4 | 8202 1180 10 |
| Cablaire | 3/8 | 32 | ErgoNIP 10 | ErgoQIC 08 | 1/4 | 8202 1180 13 |
| Cablaire | 1/2 | 16 | ErgoNIP 10 | ErgoQIC 10 | - | 8202 1182 10 |
| Cablaire | 1/2 | 16 | ErgoNIP 10 | ErgoQIC 08 | 1/4 | 8202 1180 11 |
| Cablaire | 1/2 | 16 | ErgoNIP 10 | ErgoQIC 10 | 3/8 | 8202 1180 12 |
| Cablaire | 1/2 | 16 | NIP 10US | ErgoQIC 10US | - | 8202 1182 18 |
| Cablaire | 1/2 | 28 | ErgoNIP 10 | ErgoQIC 10 | - | 8202 1182 20 |
| Cablaire | 1/2 | 32 | ErgoNIP 10 | ErgoQIC 08 | 1/4 | 8202 1180 14 |
| Cablaire | 1/2 | 32 | ErgoNIP 10 | ErgoQIC 10 | 3/8 | 8202 1180 15 |
| Rubber | 1/2 | 16 | NIP 10US | ErgoQIC 10US | - | 8202 1182 24 |
| Turbo | 1/2 | 16 | NIP 10US | ErgoQIC 10US | - | 8202 1182 19 |
| Turbo | 5/8 | 16 | ErgoNIP 10 | ErgoQIC 10 | - | 8202 1180 34 |
| Turbo | 5/8 | 16 | NIP 15US | ErgoQIC 15US | - | 8202 1182 22 |
| Turbo | 5/8 | 32 | ErgoNIP 10 | ErgoQIC 10 | - | 8202 1180 46 |

Hose reels



Imagine your work area free from hoses so you no longer need to worry about tripping over them! Atlas Copco hose reels are the optimal solution. Your tools will always benefit from a high air flow with a small pressure drop when using Atlas Copco hose reels – and you will have all the benefits of a tidy workplace.

Selection Guide

| HM Light | HM Open | HM Flex L | HH Open XL |
|---|---|---|---|
|  |  |  |  |
|  Small screwdrivers  Small vane grinders  Small impact wrenches |  Percussive tools |  Drills  Medium vane grinders  Medium impact wrenches |  Large vane grinders  Large turbine grinders  Large impact wrenches |
| 0-21 cfm | 21-45 cfm | | 45-200 cfm |

Hose reels



HM LIGHT

Hose reels from the HM Light series have a robust design with a durable, high impact composite casing. The outlet slot is optimized to provide an ideal pull-out angle for the hose. It is recommended to be used together with low air consuming tools such as small and medium screwdrivers, pulse tools, drills, impact wrenches, riveting and chipping hammers.

- Snap-on, pivoting wall bracket.
- PVC/PUR hose.
- Hose end provided with pressed fitting and steel spiral hose protector.
- Hose easily replaced when needed.
- Drum with ball bearings on both sides.
- Working temperature: 32°F - 122°F.
- Inlet hose length: 3.3 ft.

| Model | Hose length ft | Hose type | Hose inside dia | | Connection inlet hose inside dia (cut of hose) | | Connection distribution hose NPT | Economical air flow capacity (3 psi ΔP) cfm | Max air flow capacity (7 psi ΔP) cfm | Weight lb | NPT connection ordering No. |
|--------------------------|-------------------|-----------|-----------------|------|--|-----------------|----------------------------------|--|---|---------------------------|-----------------------------|
| | | | mm | in | mm | in | | | | | |
| HOSE REEL HM LIGHT 8-8 | 26 | PVC/PUR | 8 | 5/16 | 3/8 | 1/4 male thread | 8 | 15 | 9 | 8202 1183 41 ^a | |
| HOSE REEL HM LIGHT 8-12 | 39 | PVC/PUR | 8 | 5/16 | 3/8 | 1/4 male thread | 6 | 11 | 14 | 8202 1183 42 ^b | |
| HOSE REEL HM LIGHT 10-10 | 33 | PVC/PUR | 10 | 3/8 | 3/8 | 3/8 male thread | 13 | 21 | 12 | 8202 1183 43 ^b | |

^a Working pressure: 174 psi

^b Working pressure: 219 psi



HM FLEX L

The HM FLEX L, with a steel casing and high quality rubber hose, handles both air and water. The HM FLEX L is recommended for all screwdrivers, pulse tools, impact wrenches, drills, chipping and riveting hammers and grinders up to 1,000 W.

- NBR rubber hose.
- Movable brackets for floor, wall and ceiling mounting.
- High flow capacity.
- Working temperature: -22°F - +140°F.
- Max. working pressure: 219 psi.
- Inlet hose length: 3.3 ft.

| Model | Hose length ft | Hose type | Hose inside diameter | | Connection inlet NPT | Connection distribution hose NPT | Economical air flow capacity (3 psi ΔP) cfm | Max air flow capacity (7 psi ΔP) cfm | Weight lb | NPT connection ordering No. |
|-------------|-------------------|-----------|----------------------|-----|----------------------|----------------------------------|--|---|-----------|-----------------------------|
| | | | mm | in | | | | | | |
| HOSE FLEX L | 30 | Rubber | 12.5 | 1/2 | 1/2 male thread | 1/2 male thread | 25 | 40 | 35 | 8202 1181 59 |



HM OPEN

The HM Open has an open composite casing, a steel frame with a 3/8" or 1/2" hose. It is a reliable, medium sized hose reel recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and grinders up 1,000 W.

- Spatter resistant rubber hose.
- Outlet roller position can be adjusted through 120 degrees for optimal pull-out angle.
- Hose end provided with steel spiral hose protector.
- Latch function is easily disengaged.
- Spring tension is easily adjusted.
- Floor, wall or ceiling mounting.
- Working temperature: 14°F - 140°F.
- Max. working pressure: 219 psi.
- Inlet hose length: 3.3 ft.

| Model | Hose length ft | Hose type | Hose inside diameter | | Connection inlet hose inside diameter (cut of hose) in | Connection distribution hose NPT | Economical air flow capacity (3 psi ΔP) cfm | Max air flow capacity (7 psi ΔP) cfm | Weight lb | NPT connection ordering No. |
|-------------------------|-------------------|-----------|----------------------|-----|--|-------------------------------------|---|--|--------------|--------------------------------|
| | | | mm | in | | | | | | |
| HOSE REEL HM OPEN 10-15 | 49 | Rubber | 10 | 3/8 | 1/2 | 3/8 male thread | 11 | 19 | 30 | 8202 1183 44 |
| HOSE REEL HM OPEN 10-20 | 66 | Rubber | 10 | 3/8 | 1/2 | 3/8 male thread | 11 | 15 | 36 | 8202 1183 45 |
| HOSE REEL HM OPEN 12-10 | 33 | Rubber | 12,5 | 1/2 | 1/2 | 1/2 male thread | 28 | 47 | 32 | 8202 1183 46 |
| HOSE REEL HM OPEN 12-15 | 49 | Rubber | 12,5 | 1/2 | 1/2 | 1/2 male thread | 23 | 36 | 35 | 8202 1183 47 |

Pivoting wall brackets needs to be ordered separately 4390 2080 10



HM OPEN XL

Hose reels in the HM Open XL series have an open die cast aluminum casing with a 3/8" or 1/2" hose. HM Open XL hose reels are recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and high powered grinders.


- Spatter resistant rubber hose.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: 32°F - 122°F.
- Max. working pressure: 219 psi.
- Inlet hose length: 3.3 ft.

| Model | Hose length ft | Hose type | Hose inside diameter | | Connection inlet hose inside diameter (cut off hose) in | Connection distribution hose NPT | Economical air flow capacity (3 psi ΔP) cfm | Max air flow capacity (7 psi ΔP) cfm | Weight lb | NPT connection ordering No. |
|----------------------------|-------------------|-----------|----------------------|-----|---|-------------------------------------|---|--|--------------|--------------------------------|
| | | | mm | in | | | | | | |
| HOSE REEL HM OPEN XL 12-20 | 66 | Rubber | 12,5 | 1/2 | 1/2 | 1/2 male thread | 17 | 30 | 60 | 8202 1183 48 |
| HOSE REEL HM OPEN XL 12-30 | 98 | Rubber | 12,5 | 1/2 | 1/2 | 1/2 male thread | 17 | 25 | 61 | 8202 1183 49 |
| HOSE REEL HM OPEN XL 19-15 | 49 | Rubber | 19 | 3/4 | 3/4 | 3/4 male thread | 57 | 93 | 62 | 8202 1183 50 |
| HOSE REEL HM OPEN XL 25-10 | 33 | Rubber | 25 | 1 | 1 | 1 male thread | 127 | 201 | 66 | 8202 1183 51 |

Pivoting wall brackets needs to be ordered separately 4390 2080 11

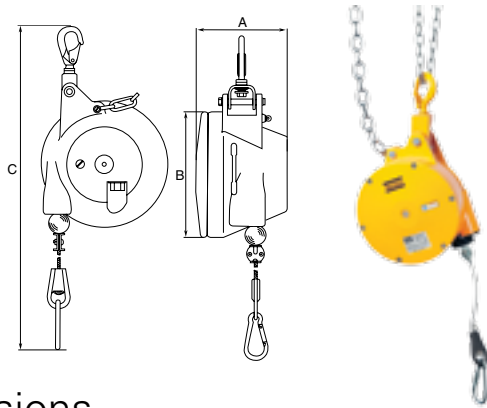
Balancers





For easy access to the tools at your workstation, increased productivity and good ergonomics, choose Atlas Copco balancers. They are designed to reduce stress levels in the operator's muscles and minimize fatigue.

Balancers



WP balancer

Weightless positioning balancers with a cone-shaped drum that holds the load in the correct position and keeps it weightless throughout the entire cable length. It minimizes worker fatigue.

Safety

The load is not pulled back when released and the environment is protected from accidental hoisting of the load.

- Steel cable with cable stop buffer.
- Safety chain.
- Quick and easy cable replacement.

Dimensions

| Model | Capacity range | | Cablelength | | Weight | | Dimensions | | | Dimensions | | | Ordering No. |
|-----------------------------------|----------------|-----------|-------------|-----|--------|------|------------|---------|---------|------------|---------|---------|--------------|
| | kg | lb | m | ft | kg | lb | A mm | B mm | C mm | A in | B in | C in | |
| WP 05 - Standard | | | | | | | | | | | | | |
| WP 05-3 | 1.2-2.6 | 2.6-5.7 | 2 | 6.5 | 1.4 | 3.1 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 01 |
| WP 05-4 | 2.6-3.8 | 5.7-8.4 | 2 | 6.5 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 02 |
| WP 05-5 | 3.8-5.2 | 8.4-11.5 | 2 | 6.5 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 03 |
| WP 05-6 | 5.2-6.5 | 11.5-14.3 | 2 | 6.5 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 04 |
| WP 05 - Extended Cable - A | | | | | | | | | | | | | |
| WP 05-1-A | 0.4-1.2 | 0.9-2.6 | 5.5 | 18 | 1.3 | 2.9 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 05 |
| WP 05-3-A | | | | | | | | | | | | | |
| WP 05-4-A | 2.6-3.8 | 5.7-8.4 | 5.5 | 18 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 07 |
| WP 05-5-A | 3.8-5.2 | 8.4-11.5 | 5.5 | 18 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 08 |
| WP 05-6-A | 5.2-6.5 | 11.5-14.3 | 5.5 | 18 | 1.5 | 3.3 | 71 | 141 | 460 | 2,8 | 5,6 | 18,1 | 8202 0778 09 |
| WP 10 - Standard | | | | | | | | | | | | | |
| WP 10-3 | 3-5 | 6.6-11 | 2 | 6.5 | 2.9 | 6.4 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 00 |
| WP 10-4.5 | 4.5-7 | 10-15.4 | 2 | 6.5 | 3.1 | 6.8 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 01 |
| WP 10-6 | 6-10 | 13-22 | 2 | 6.5 | 3.2 | 7.0 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 02 |
| WP 10-9 | 9-14 | 20-31 | 2 | 6.5 | 3.4 | 7.5 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 03 |
| WP 10-13 | 13-17 | 29-37 | 2 | 6.5 | 3.6 | 8.0 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 04 |
| WP 10-16 | 16-21 | 35-46 | 2 | 6.5 | 3.8 | 8.4 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 05 |
| WP 10 - Extended Cable - A | | | | | | | | | | | | | |
| WP 10-3-A | 3-5 | 6.6-11 | 5.5 | 18 | 2.9 | 6.4 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 06 |
| WP 10-4.5-A | 4.5-7 | 10-15.4 | 5.5 | 18 | 3.1 | 6.8 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 07 |
| WP 10-6-A | 6-10 | 13-22 | 5.5 | 18 | 3.2 | 7.0 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 08 |
| WP 10-9-A | 9-14 | 20-31 | 5.5 | 18 | 3.4 | 7.5 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 09 |
| WP 10-13-A | 13-17 | 29-37 | 5.5 | 18 | 3.6 | 8.0 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 10 |
| WP 10-16-A | 16-21 | 35-46 | 5.5 | 18 | 3.8 | 8.4 | 130 | 188 | 521 | 5,1 | 7,4 | 20,5 | 8202 0779 11 |
| WP 20 - Standard | | | | | | | | | | | | | |
| WP 20-15 | 15-25 | 33-55 | 2 | 6.5 | 7.8 | 17.2 | 152 | 218 | 521 | 6 | 8,6 | 20,5 | 8202 0780 00 |
| WP 20-25 | 25-35 | 55-77 | 2 | 6.5 | 8.9 | 19.6 | 152 | 218 | 521 | 6 | 8,6 | 20,5 | 8202 0780 01 |
| WP 20-35 | 35-45 | 77-99 | 2 | 6.5 | 9.5 | 21.0 | 152 | 218 | 521 | 6 | 8,6 | 20,5 | 8202 0780 02 |
| WP 20-45 | 45-55 | 99-121 | 2 | 6.5 | 9.8 | 21.5 | 152 | 218 | 521 | 6 | 8,6 | 20,5 | 8202 0780 03 |
| WP 30 - Standard | | | | | | | | | | | | | |
| WP 30-12 | 12-20 | 26-44 | 2 | 6.5 | 14.8 | 32.6 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 00 |
| WP 30-20 | 20-30 | 44-66 | 2 | 6.5 | 15.2 | 33.5 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 01 |
| WP 30-30 | 30-45 | 66-99 | 2 | 6.5 | 16.9 | 37.3 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 02 |
| WP 30-45 | 45-60 | 99-132 | 2 | 6.5 | 17.3 | 38.1 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 03 |
| WP 30-60 | 60-75 | 132-165 | 2 | 6.5 | 18.7 | 41.2 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 04 |
| WP 30-75 | 75-90 | 165-198 | 2 | 6.5 | 19.7 | 43.4 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 05 |
| WP 30-90 | 90-100 | 198-220 | 2 | 6.5 | 19.9 | 43.4 | 203 | 285 | 749 | 8 | 11,2 | 29,5 | 8202 0781 06 |
| WP 40 - Standard | | | | | | | | | | | | | |
| WP 40-100 | 100-115 | 220-254 | 3 | 10 | 42.0 | 43.9 | 348 | 320 | 800 | 13,7 | 12,6 | 31,5 | 8202 0782 00 |
| WP 40-115 | 115-130 | 254-287 | 3 | 10 | 44.0 | 97.0 | 348 | 320 | 800 | 13,7 | 12,6 | 31,5 | 8202 0782 01 |
| WP 40-130 | 130-140 | 287-309 | 3 | 10 | 46.0 | 101 | 348 | 320 | 800 | 13,7 | 12,6 | 31,5 | 8202 0782 02 |
| WP 40-140 | 140-150 | 309-331 | 3 | 10 | 48.0 | 106 | 348 | 320 | 800 | 13,7 | 12,6 | 31,5 | 8202 0782 03 |

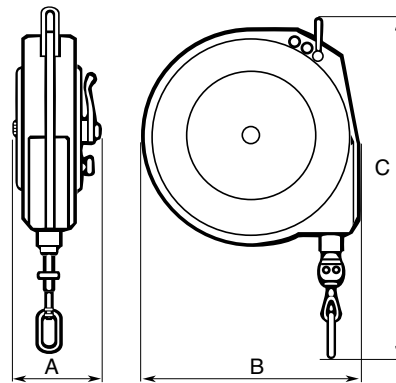


RIL balancer

RIL balancers always keep the tool in place, and easily accessible. RIL balancers are available as retractors or weightless positioning balancers.

RIL Retractors

- Adjustable wire stop.
- High quality spring and construction.
- Load range 0 to 22 lb.



Dimensions

| Model | Capacity range | | Cablelength | | Weight | | Dimensions | | | Dimensions | | | Ordering No. |
|-----------------------|----------------|-----------|-------------|-----|--------|-----|------------|-----|-----|------------|-----|------|--------------|
| | kg | lb | m | ft | kg | lb | A | B | C | A | B | C | |
| | | | | | | | mm | mm | mm | in | in | in | |
| RIL 1C | 0.0-0.5 | 0.0-1.7 | 1.5 | 4.9 | 0.6 | 1.3 | 51 | 106 | 238 | 2 | 4,2 | 9,4 | 8202 0700 02 |
| RIL 2C | 0.4-1.0 | 0.9-2.2 | 1.5 | 4.9 | 0.6 | 1.3 | 51 | 106 | 238 | 2 | 4,2 | 9,4 | 8202 0701 19 |
| RIL 4C | 1.0-2.0 | 2.2-4.4 | 1.5 | 4.9 | 0.6 | 1.3 | 51 | 106 | 238 | 2 | 4,2 | 9,4 | 8202 0702 18 |
| RIL 5C | 1.4-2.3 | 3.1-5.1 | 1.5 | 4.9 | 0.6 | 1.3 | 51 | 106 | 238 | 2 | 4,2 | 9,4 | 8202 0703 25 |
| RIL 10C | 2.0-5.0 | 4.4-11.0 | 2.4 | 7.9 | 2.7 | 6.0 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0704 16 |
| RIL 10CS ^a | 2.0-5.0 | 4.4-11.0 | 2.4 | 7.9 | 2.7 | 6.0 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0704 20 |
| RIL 15C | 5.0-7.0 | 11.0-15.4 | 2.4 | 7.9 | 3.2 | 7.1 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0705 15 |
| RIL 15CS ^a | 5.0-7.0 | 11.0-15.4 | 2.4 | 7.9 | 3.2 | 7.1 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0705 20 |
| RIL 22C | 6.0-10.0 | 13.2-22.0 | 2.4 | 7.9 | 3.2 | 7.1 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0706 14 |
| RIL 22CS ^a | 6.0-10.0 | 13.2-22.0 | 2.4 | 7.9 | 3.2 | 7.1 | 84 | 190 | 369 | 3,3 | 7,5 | 14,5 | 8202 0706 20 |

^a Balancer equipped with automatic safety drum lock in case of spring failure.

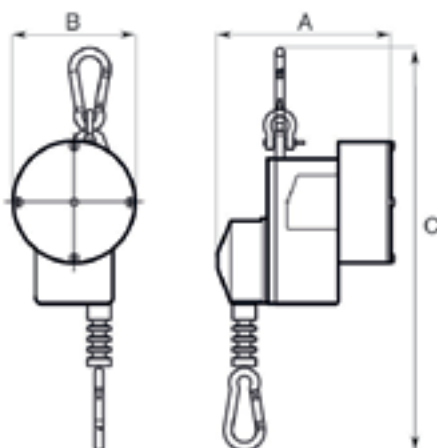
NOTE: RIL 1C, 2C, 4C and 5C comes with nylon cable. All other models are equipped with steel wire.

Accessories

Safety chain

| | Ordering No. |
|-------------------|--------------|
| 1C, 2C, 4C and 5C | 4391 4045 90 |
| 10C, 15C and 22C | 4391 4156 00 |

Balancers



COL balancer

Balancers in the unique COL range hold the load in the correct position and keep it weightless throughout the entire cable length. COL balancers reduce the stress level in the operator's muscles.

Safety

The load is not pulled back when released and the surroundings are protected from accidental hoisting of the load. The cable locks in the event of spring failure (downward braking power). In all models the braking function can be activated upwards by using the "bow and arrow" principle if you need to slacken the cable to change the tool. The COL 1 products comes with a nylon cable.

Dimensions

| Model | Capacity range | | Cablelength | | Weight | | Dimensions | | | Dimensions | | | Ordering No. |
|----------|----------------|---------|-------------|-----|--------|-----|------------|---------|---------|------------|---------|---------|--------------|
| | kg | lb | m | ft | kg | lb | A mm | B mm | C mm | A in | B in | C in | |
| COL 1 01 | 0.7-1.3 | 1.5-2.9 | 1.7 | 5.6 | 0.5 | 1.1 | 108 | 72 | 245 | 4,3 | 2,8 | 9,6 | 8202 0750 01 |
| COL 1 02 | 1.0-2.0 | 2.2-4.4 | 1.7 | 5.6 | 0.5 | 1.1 | 108 | 72 | 245 | 4,3 | 2,8 | 9,6 | 8202 0750 19 |

Accessory

Safety chain

| | Ordering No. |
|-------|--------------|
| COL 1 | 4391 4045 90 |

Hose reels balancers



Hose reel balancer – HRIL

Hose reel balancers are specifically designed for use with small pneumatic hand tools. The integrated air hose and support cable ensure the work area is kept tidy and the tool is easy to control.

- Ergonomics – The retraction force remains almost constant during hose travel. It minimizes load on the operator and ensures smooth operation.
- An easily adjusted rubber stop is mounted on the hose which allows the tool to be set at the optimum position.
- The retraction force is easily adjustable.
- Long service life – The design features a rugged casing, self lubricating spindle bearing bushes and a 360 degrees rotary inlet connector.
- The hose end is provided with a spiral hose protector to prevent excessive bending.
- Due to a low pressure drop HRIL balancers have very good flow characteristics.

| Model | Capacity range | | Max rec. air flow ^a cfm | Hose travel ft | Weight | | Max working pressure psi | Dimensions | | | Ordering No. |
|--------|----------------|---------|---------------------------------------|-------------------|--------|-----|-----------------------------|------------|---------|---------|--------------|
| | kg | lb | | | kg | lb | | A in | B in | C in | |
| HRIL 3 | 0.5-1.4 | 1.1-3.1 | 11.7 | 3.3 | 1.2 | 2.6 | 147 | 3.6 | 5.2 | 6.8 | 8202 0601 10 |
| HRIL 4 | 0.7-2.0 | 1.5-4.4 | 13.8 | 3.3 | 1.4 | 3.1 | 147 | 3.6 | 5.2 | 6.8 | 8202 0601 28 |

^a At inlet pressure of 86 psi pressure drop is 5.7 psi.

Air line fittings

All models have a NPT 1/4" inlet fitting.

HRIL 3 supplied with NPT 1/8" and BSP 1/4" outlet fittings.

HRIL 4 supplied with NPT 1/4" outlet fitting.

Accessories

| Designation | Ordering No. |
|--------------|--------------|
| Safety chain | 4391 4045 90 |

Blow guns



Blow Gun BG-series

Blow guns in the BG Series are a robust, user friendly solution for all cleaning applications. The plastic body offers flexibility in handling for both left and right handed users. It insulates against cold and reduces the risk of scratches to worksurfaces. The blow gun has excellent throttling properties allowing easy regulation of the air flow.

- High flow capacity
- Suspension
- Plastic body to avoid scratches
- Air inlet thread in brass
- Star tip availability for improved safety
- Applicable standards: OSHA STD1-13.1, OSHA 1910.95 (b).

| Model | Version | Working pressure psi | Air flow cfm | Weight | | Air inlet thread NPT | Ordering No. |
|----------------|-------------------------------|-------------------------|-----------------|--------|------|----------------------------|--------------|
| | | | | kg | lb | | |
| BG 2605-STSS U | Short tube, star tip | 91 | 14 | 0.13 | 0.29 | 1/4 | 8202 1006 08 |
| BG 2606-STS U | Long tube, star tip, silencer | 91 | 13 | 0.12 | 0.26 | 1/4 | 8202 1006 09 |

Product safety

All local safety regulations with respect to installation, operation and overhaul must always be followed. Please read the separate instructions regarding safety which are supplied with all products in order to improve your own safety!

Ball valve

- Switch off the compressed air with the ball valve when you are not working (see fig. 1).
- Open all ball valves gently in order to discover improperly tightened devices (see fig. 5).

Air preparation units

- Please check for solvents which change the structure of polycarbonate^a bowls.

These solvents make the polycarbonate brittle so it can break. Normally polycarbonate is not easy to break. If you need to use aggressive solvents, please contact us and we will help you choose the right equipment.

- Use bowl guard.

An easy way to eliminate this type of accident is to use a bowl guard on MINI and MIDI units. The MAXI unit has an aluminum bowl with a new, more chemical resistant plastic on the inside as standard.

Check that the bowls are properly tightened and that all units are fitted together before switching on the compressed air with the ball valve.

Quick safety couplings

To increase safety and reduce the risk of operator injuries we recommend you to always buy couplings with a safety function. Couplings with a safety function are disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury.

Never open a quick coupling with a screwdriver in order to ventilate the air.

Follow this order when working with claw couplings.

1 How to open a claw coupling:

Close the ball valve.



2 Run the tool so the air ventilates out.



3 Release the claw coupling.



Claw couplings

- Be very careful (see fig. 1+2+3).

They are always open and must be used very carefully. To increase safety when using claw couplings, we recommend the claw LNH claw coupling with a lock nut.

Clamps and connections

- Avoid screwdrivers when tightening.

Check that they are properly tightened. Avoid screwdrivers when tightening, they can easily slip and damage your hand. Use a wrench. If you need to use a screwdriver, mount the clamp in a vice.

Hoses

When mounting hoses on hose connections, use water and soap in order to make the hose slip on to the connection.

Do not use oil. Water and soap will dry up. Remove leaking hoses. A small leakage can quickly become a large hole.

Blow guns

- Use the safety version. It eliminates the risk of air at high pressure coming into direct contact with skin.

^a Polycarbonate has good chemical resistance to all solvents except chemicals containing acetone, benzol, glycerine, some hydraulic and synthetic oils, chloroform, methyl alcohol, carbon tetrachloride (and similar solvents), carbon disulphide, perchloroethylene, toluene, trichloroethylene, xylene (nitrocellulose, thinner), acetic acid.

4 How to close a claw coupling:

Make sure that the two claw couplings are mounted together. Use claw couplings with lock nut (LNH) or use a lock spring for safer locking.



5 Open the ball valve gently.



Vibration and Noise Emission Values

Impact Wrenches

| Model | Vibration total value (3 axes value) according to ISO 28927-2 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | |
|------------------------|---|------------------------------|--|-------------------|
| | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) |
| Impact Wrenches | | | | |
| Pistol grip | | | | |
| Non shut-off | | | | |
| LMS08 HR | <2.5 | - | 85 | 96 |
| LMS18 HR | 5.3 | - | 90 | 101 |
| LMS28 HR | 5.2 | - | 92 | 103 |
| LMS38 HR | 3.5 | 1.5 | 88 | 99 |
| LMS48 HR | 5.0 | 1.4 | 89 | 100 |
| LMS58 HR | 5.5 | 1.6 | 92 | 103 |
| LMS68 HR | 8.1 | 2.8 | 98 | 109 |
| Straight | | | | |
| Non shut-off | | | | |
| LMS08 SR | 5.6 | - | 85 | 96 |
| LMS68 GIR/GOR | 8.1 | 2.8 | 98 | 109 |
| LMS88 GIR/GOR | 4.8 | 2 | 100 | 111 |

Material removal tools

| Model | Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | |
|----------------------|---|------------------------------|--|-------------------|
| | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) |
| Grinders | | | | |
| Turbo grinder | | | | |
| Angle | | | | |
| GTG25 F120-13 | 3.8 | 0.9 | 74 | - |
| GTG25 F085-18 | 3 | 0.8 | 74 | - |
| GTG40 F085-18 | 3.5 | 0.8 | 84 | 95 |
| GTG40 F066-23 | <2.5 | - | 84 | 95 |
| GTG40 S060-C15 | 3.4 | 0.8 | 84 | 95 |
| Model | | | | |
| Turbo grinder | | | | |
| Straight | | | | |
| GTR40 S085-15 | <2.5 | - | 85 | 96 |
| GTR40 S072-13 | <2.5 | - | 85 | 96 |
| GTR40 S060-15 | <2.5 | - | 85 | 96 |
| GTR40 S060-20 | 3.3 | 0.8 | 85 | 96 |
| Model | | | | |
| Turbo sander | | | | |
| GTG25 D120 | <2.5 | - | 77 | - |
| GTG25 D085 | <2.5 | - | 76 | - |
| GTG25 S085 | <2.5 | - | 72 | - |
| GTG40 S060 | <2.5 | - | 84 | 95 |
| Model | | | | |
| Grinders | | | | |
| Die grinder | | | | |
| Straight | | | | |
| LSF12 S200-1 | 3.1 | 1.9 | 74 | 85 |
| LSF12 S250-1 | 3.0 | 1.4 | 78 | 89 |
| LSF12 S310-1 | 3.4 | 1.5 | 77 | 88 |
| LSF12 S400-1 | 3.9 | 1.8 | 77 | 88 |
| LSF19 S200-1 | 3.4 | 0.9 | <70 | - |
| LSF19 S200-2 | 3.4 | 0.9 | <70 | - |
| LSF19 S300-1 | <2.5 | - | 70 | - |
| LSF19 S300-2 | <2.5 | - | 73 | - |

Vibration and Noise Emission Values

Material removal tools

| Model | Vibration total value (3 axes value) according to ISO 28927-12 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | | Model | Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|---|---|------------------------------|--|-------------------|---|--|--|--|-------------------------------|------------------------------|----------------------|-------------------|--------------|--|--|--|-----------------|--|--|--|-------------------------|--|--|--|---------------|-----|-----|----|---|---------------|-----|-----|----|----|----------------|-----|-----|----|---|----------------|------|---|----|----|---------------|-----|-----|----|----|---------------|-----|-----|----|----|-----------------------|--|--|--|---------------|-----|-----|----|---|----------------|-----|-----|----|----|---------------|---|-----|----|----|---------------|-----|-----|----|----|---------------|-----|-----|----|----|---------------|-----|-----|----|----|---------------|-----|-----|----|---|----------------|-----|-----|----|---|----------------|-----|-----|----|---|----------------|-----|-----|----|----|----------------|-----|-----|----|----|----------------|-----|-----|----|----|
| | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) | | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grinders | | | | | Grinders | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Die grinder | | | | | Straight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Straight | | | | | LSR48 S120-CW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S460-1 | 4.7 | 2 | 79 | - | LSR48 S090-CW | <2.5 | - | 80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S200E-1 | 3.1 | 1.8 | 70 | - | LSR28 S180-05 | 6.5 | 1.8 | 76 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S300E-1 | 3.4 | 1.8 | 73 | - | LSR28 S180-05 | <2.5 | - | 85 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S300E-1/R | 3.3 | 1 | 73 | - | LSR28 S150-10 | <2.5 | - | 85 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S460E-1 | 3.6 | 1.3 | 82 | 93 | LSR28 S110-08 | <2.5 | - | 70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S460E-1/R | 2.9 | 1.5 | 82 | 93 | LSR28 S110-08 | <2.5 | - | <70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF19 S300-1/R | 3.2 | 2.2 | 73 | - | LSR43 S150-10 | 2.9 | 1 | 86 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF38 S150E-01/R | <2.5 | - | 81 | 92 | LSR43 S120-08 | <2.5 | - | 84 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF38 S180E-01/R | <2.5 | - | 85 | 96 | LSR43 S090-10 | <2.5 | - | 82 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF38 S180E-01 | <2.5 | - | 86 | 97 | LSR48 S150-10 | 3.1 | 1.2 | 85 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF38 S250E-01 | 2.8 | 1.3 | 90 | 101 | LSR48 S120-08 | <2.5 | - | 78 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S180 | 2.8 | 1.1 | 74 | - | LSR48 S120-08R | <2.5 | - | 78 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S180E | <2.5 | - | 74 | - | LSR48 S120-13 | 2.9 | 1.2 | 83 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250 | 2.7 | 0.7 | 81 | 92 | LSR48 S120-10 | <2.5 | - | 80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S180-1R | 3.4 | 0.9 | 74 | - | LSR48 S090-10R | <2.5 | - | 78 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S180E-1R | 2.8 | 1 | 74 | - | LSR64 S100-15 | <2.5 | - | 88 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250-R | 3.1 | 1.8 | 81 | 92 | LSR64 S072-13 | <2.5 | - | 82 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250E-R | 3 | 0.7 | 81 | 92 | LSR64 S060-15 | <2.5 | - | 83 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250E | <2.5 | - | 81 | 92 | LSR28 ST070E-CW | 3.1 | 1.1 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S150E | <2.5 | - | <70 | - | LSR43 S072 | <2.5 | - | 83 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 ST030E | 2.7 | 1.5 | 74 | - | <table border="1"> <thead> <tr> <th colspan="2">Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010</th> <th colspan="2">Sound pressure levels and sound power levels ^a according to ISO 15744</th> </tr> <tr> <th>Value 3-axes m/s²</th> <th>Uncertainty m/s²</th> <th>Sound pressure dB(A)</th> <th>Sound power dB(A)</th> </tr> </thead> <tbody> <tr> <td colspan="4">Model</td> </tr> <tr> <td colspan="4">Grinders</td> </tr> <tr> <td colspan="4">Vertical grinder</td> </tr> <tr> <td>LSS53 S085-18</td> <td>3.8</td> <td>1.1</td> <td>78</td> <td>-</td> </tr> <tr> <td>LSS64 S085-18</td> <td>4.6</td> <td>1.5</td> <td>86</td> <td>97</td> </tr> <tr> <td>LSS53 S072-C13</td> <td>2.8</td> <td>1.3</td> <td>76</td> <td>-</td> </tr> <tr> <td>LSS64 S060-C15</td> <td><2.5</td> <td>-</td> <td>82</td> <td>93</td> </tr> <tr> <td>LSS64 S060-23</td> <td>3.9</td> <td>1.2</td> <td>82</td> <td>93</td> </tr> <tr> <td>LSS84 S060-23</td> <td>3.9</td> <td>1.2</td> <td>88</td> <td>99</td> </tr> <tr> <td colspan="4">Angle grinders</td> </tr> <tr> <td>LSV19 S170-08</td> <td>7.9</td> <td>2.4</td> <td>80</td> <td>-</td> </tr> <tr> <td>LSV28 ST13-10E</td> <td>8.3</td> <td>2.8</td> <td>81</td> <td>92</td> </tr> <tr> <td>LSV28 ST12-10</td> <td>4</td> <td>1.3</td> <td>86</td> <td>97</td> </tr> <tr> <td>LSV28 ST12-12</td> <td>5.3</td> <td>1.6</td> <td>86</td> <td>97</td> </tr> <tr> <td>LSV28 ST12-13</td> <td>5.6</td> <td>1.7</td> <td>86</td> <td>97</td> </tr> <tr> <td>LSV28 S060-18</td> <td>4.5</td> <td>1.4</td> <td>81</td> <td>92</td> </tr> <tr> <td>LSV38 S12-125</td> <td>5.2</td> <td>1.6</td> <td>77</td> <td>-</td> </tr> <tr> <td>LSV38 ST12-125</td> <td>4.9</td> <td>1.5</td> <td>77</td> <td>-</td> </tr> <tr> <td>LSV38 SA12-125</td> <td>3.3</td> <td>0.8</td> <td>77</td> <td>-</td> </tr> <tr> <td>LSV48 SA120-13</td> <td>4.8</td> <td>1.1</td> <td>87</td> <td>98</td> </tr> <tr> <td>LSV48 SA085-18</td> <td>3.9</td> <td>0.9</td> <td>87</td> <td>98</td> </tr> <tr> <td>LSV48 SA066-23</td> <td>3.9</td> <td>1.6</td> <td>87</td> <td>98</td> </tr> </tbody> </table> | | | | | Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) | Model | | | | Grinders | | | | Vertical grinder | | | | LSS53 S085-18 | 3.8 | 1.1 | 78 | - | LSS64 S085-18 | 4.6 | 1.5 | 86 | 97 | LSS53 S072-C13 | 2.8 | 1.3 | 76 | - | LSS64 S060-C15 | <2.5 | - | 82 | 93 | LSS64 S060-23 | 3.9 | 1.2 | 82 | 93 | LSS84 S060-23 | 3.9 | 1.2 | 88 | 99 | Angle grinders | | | | LSV19 S170-08 | 7.9 | 2.4 | 80 | - | LSV28 ST13-10E | 8.3 | 2.8 | 81 | 92 | LSV28 ST12-10 | 4 | 1.3 | 86 | 97 | LSV28 ST12-12 | 5.3 | 1.6 | 86 | 97 | LSV28 ST12-13 | 5.6 | 1.7 | 86 | 97 | LSV28 S060-18 | 4.5 | 1.4 | 81 | 92 | LSV38 S12-125 | 5.2 | 1.6 | 77 | - | LSV38 ST12-125 | 4.9 | 1.5 | 77 | - | LSV38 SA12-125 | 3.3 | 0.8 | 77 | - | LSV48 SA120-13 | 4.8 | 1.1 | 87 | 98 | LSV48 SA085-18 | 3.9 | 0.9 | 87 | 98 | LSV48 SA066-23 | 3.9 | 1.6 | 87 | 98 |
| Vibration total value (3 axes value) according to ISO 28927-1 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grinders | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical grinder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS53 S085-18 | 3.8 | 1.1 | 78 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS64 S085-18 | 4.6 | 1.5 | 86 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS53 S072-C13 | 2.8 | 1.3 | 76 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS64 S060-C15 | <2.5 | - | 82 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS64 S060-23 | 3.9 | 1.2 | 82 | 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSS84 S060-23 | 3.9 | 1.2 | 88 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle grinders | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV19 S170-08 | 7.9 | 2.4 | 80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV28 ST13-10E | 8.3 | 2.8 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV28 ST12-10 | 4 | 1.3 | 86 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV28 ST12-12 | 5.3 | 1.6 | 86 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV28 ST12-13 | 5.6 | 1.7 | 86 | 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV28 S060-18 | 4.5 | 1.4 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV38 S12-125 | 5.2 | 1.6 | 77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV38 ST12-125 | 4.9 | 1.5 | 77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV38 SA12-125 | 3.3 | 0.8 | 77 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV48 SA120-13 | 4.8 | 1.1 | 87 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV48 SA085-18 | 3.9 | 0.9 | 87 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV48 SA066-23 | 3.9 | 1.6 | 87 | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S180E-1R | 2.8 | 1 | 74 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250-R | 3.1 | 1.8 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250E-R | 3 | 0.7 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S250E | <2.5 | - | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S150E | <2.5 | - | <70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 ST030E | 2.7 | 1.5 | 74 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 ST030 | <2.5 | - | 74 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S150 | 3.6 | 1.2 | <70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 ST070E | 2.7 | 1.2 | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 ST070 | <2.5 | - | 81 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF28 S120 | 2.8 | 0.7 | <70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSF07 S850 | <2.5 | - | 75 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Angle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV12 S200-1 | 4.3 | 2.1 | 78 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV12 S120-1 | 3.2 | 2.0 | 75 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV19 S200-1 | <2.5 | - | 73 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV19 S120-1 | <2.5 | - | 73 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV19 S080-1 | <2.5 | - | 70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSV18 S080 | <2.5 | - | 70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Vibration total value (3 axes value) according to ISO 28927-4 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grinders | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Straight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSR28 S150-CW | 2.8 | 1.2 | 70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSR28 S120-CW | <2.5 | - | <70 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSR38 S180-CW | 7.2 | 2.3 | 83 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSR38 S150-CW | 5.6 | 2.3 | 85 | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LSR48 S150-CW | <2.5 | - | 80 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

^a The uncertainty in the sound levels is 3 dB(A).

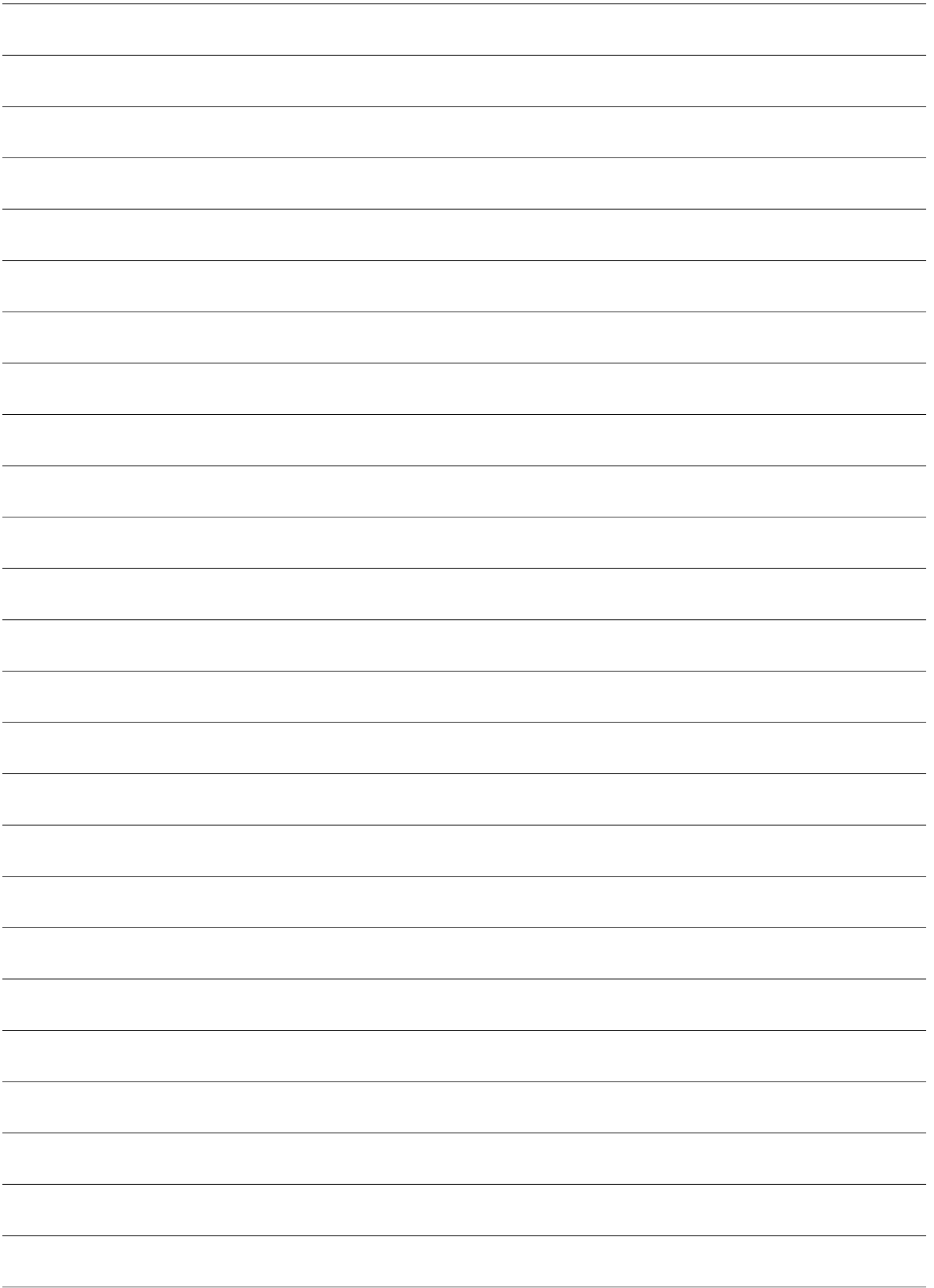
Vibration and Noise Emission Values

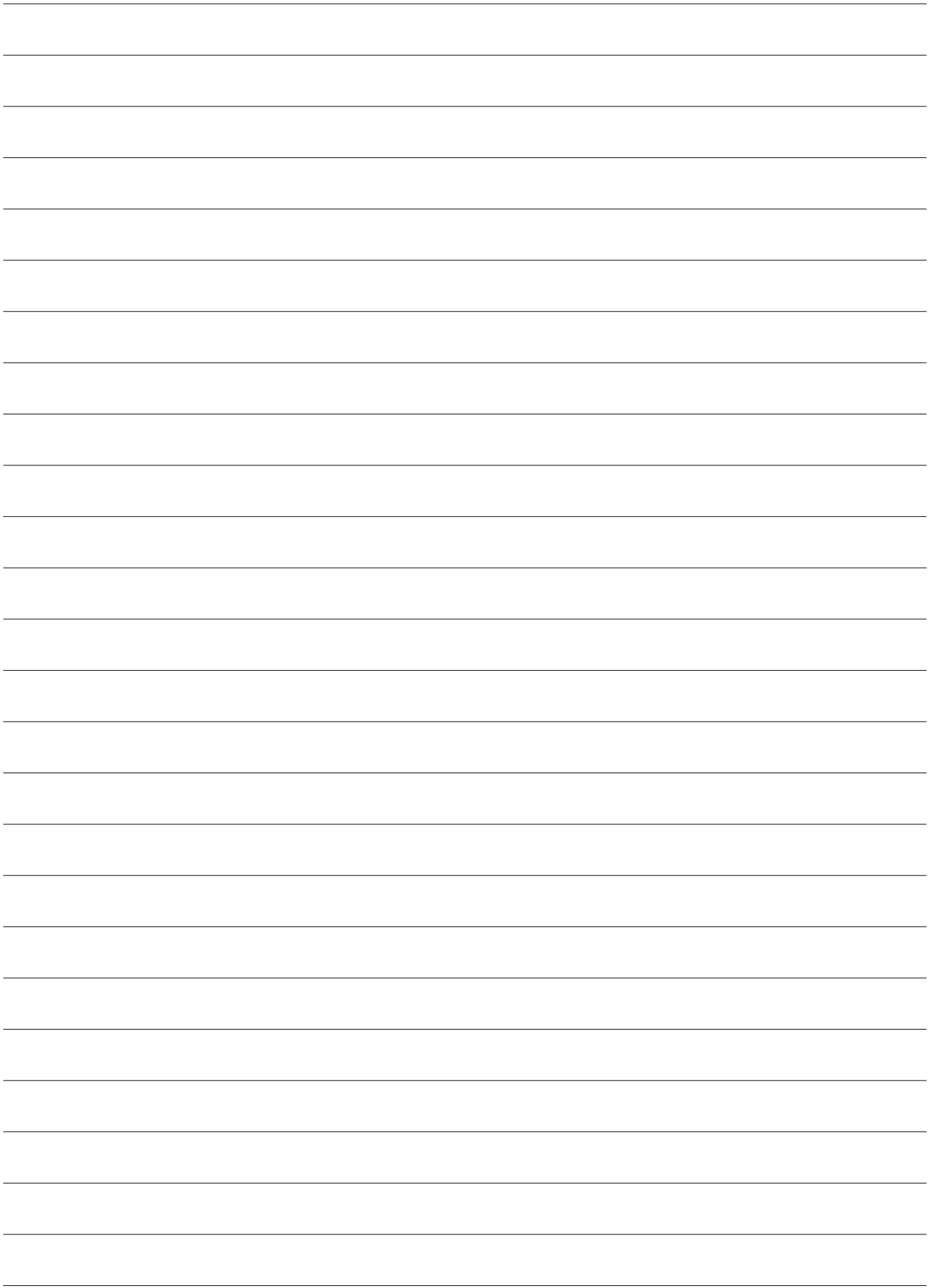
Material removal tools

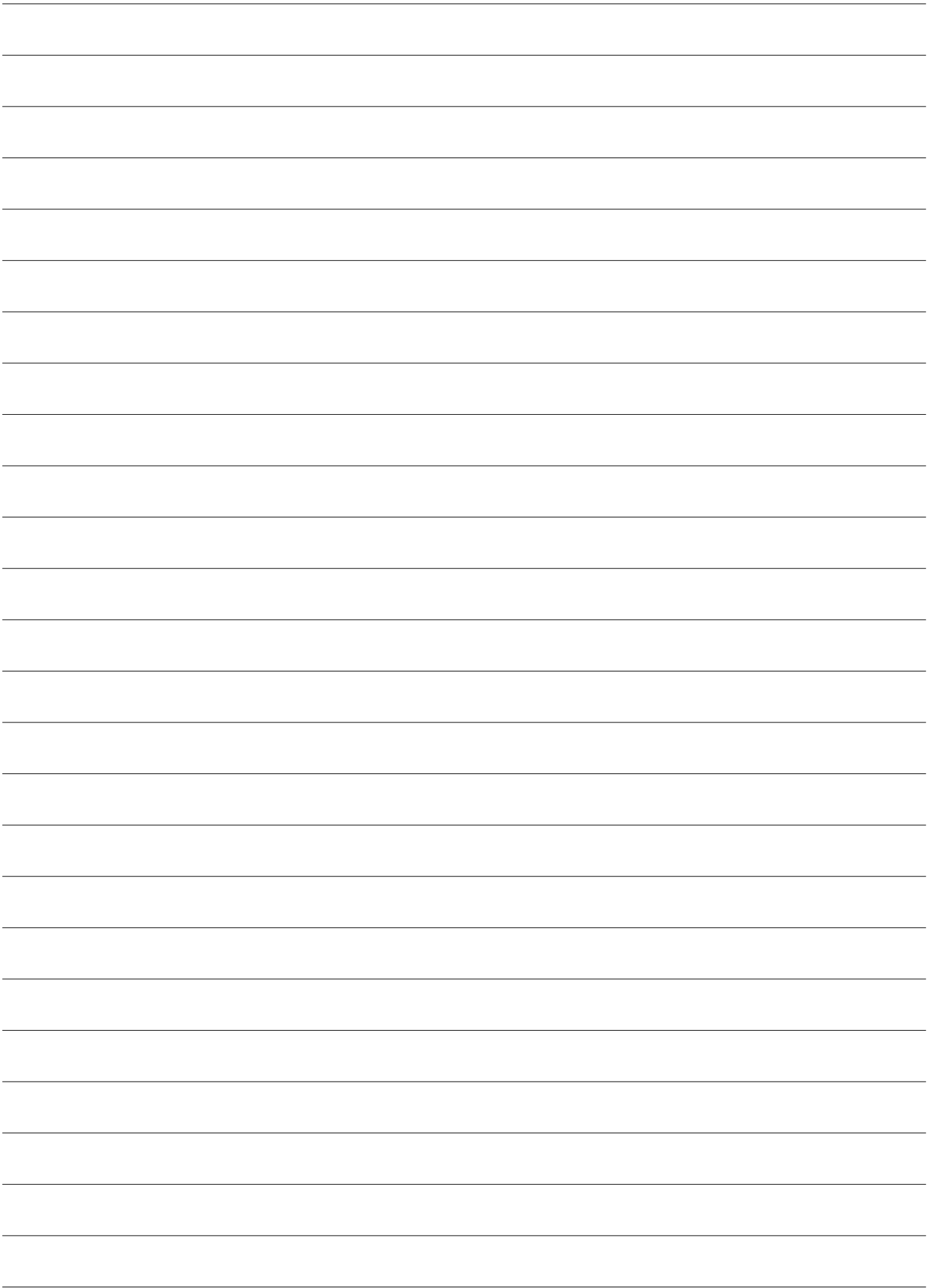
| Model | Vibration total value (3 axes value) according to ISO 28927-5 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | |
|--------------------|---|------------------------------|--|-------------------|
| | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) |
| Drills | | | | |
| Pistol grip | | | | |
| LBB16 EP | <2.5 | - | 80 | - |
| LBB16 EPX | <2.5 | - | 82 | 93 |

Assembly tools

| Model | Vibration total value (3 axes value) according to ISO 28927-2 Valid from 2010 | | Sound pressure levels and sound power levels ^a according to ISO 15744 | |
|--------------------|---|------------------------------|--|-------------------|
| | Value 3-axes m/s ² | Uncertainty m/s ² | Sound pressure dB(A) | Sound power dB(A) |
| Pistol grip | | | | |
| LTP61 PH | <2.5 | - | 80 | - |
| LTP61 H | <2.5 | - | 80 | - |
| LTP61 HR | <2.5 | - | 80 | - |
| LMP61 H | <2.5 | - | 80 | - |
| LMP61 HR | <2.5 | - | 80 | - |
| LMP24 H | <2.5 | - | 78 | - |
| LMP24 HR | <2.5 | - | 79 | - |
| RTP 1300 | <2.5 | 3 | 90 | 101 |
| RTP 2600 | <2.5 | 3 | 90 | 101 |
| RTP 4100 | <2.5 | 3 | 90 | 101 |
| RTP 8200 | <2.5 | 3 | 99 | 101 |







COMMITTED TO SUSTAINABLE PRODUCTIVITY

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