

Percussive tools

Choose Atlas Copco and you've cracked it!

Chipping hammers, riveting hammers, rammers, scalers and bucking bars – our percussive tools make light of the toughest jobs. The vibration-damped Ergoline range includes sophisticated ergonomic features designed to minimize operator fatigue.

Contents

Page

Rules for safer operation	174
Chipping hammers – vibration-damped and silenced	175

Chipping hammers	176
Scaler – vibration-controlled	177
Chipping hammers/scalers	178
Needle scaler	179
Rust and weld scalers	180
Riveting system	181
Riveting hammers – vibration-damped	182
Bucking bars – vibration-damped	184
Riveting hammers – conventional type	186
Chisels	187
Rammers	190

RULES FOR SAFER OPERATION

IMPORTANT: All local safety regulations with respect to installation, operation and overhaul must always be followed.

AVOID ACCIDENTS

1 The chisel, die or punch may fall out or may be shot out of the tool accidentally causing serious injury.



To prevent injury from a flying chisel:

- Always use a retainer.
- Inspect the retainer for wear or damage regularly.



- Be aware that the chisel may break during operation.
- Never trigger a hammer unless held against a work piece.
- Remove chisel, die or punch from tool when work is over.
- When finishing a job, disconnect the tool from its air supply.
- Before changing accessories, chisel or die – disconnect the tool from the air supply.

2 Chips and sparks shall be prevented from striking an eye or another worker.



To prevent vision loss:

- Always wear eye protection.
- Isolate work of this kind by using barriers between work stations.
- Do not use the tool for other purposes than it is intended for.

3 Gloves protect fingers from pinching, scuffing and scraping.

- Protective shoes may prevent your feet from being injured.

4 Explosive atmosphere must not be ignited.



To prevent injury and property loss from fires:

- Use other technique.
- Use accessories of non sparking material (e.g. needle attachment of Beryllium copper for a needle scaler).

5 Electric shock may be fatal.

- Avoid chiseling into electric wiring hidden inside walls etc.

LONG TERM RISKS

6 Always use ear protection.



To prevent gradual loss of hearing due to exposure to high noise level – wear ear protection.

7 Vibration may be harmful to hands and arms.



- Use vibration dampened tools if available.
- Reduce the total time of exposure to vibrations, particularly if the operator has to guide the chisel by hand.

8 Dust generated during operation may be harmful.

- Use spot suction or a breathing apparatus.

PROPER USE AND MAINTENANCE

9 Do not perform idle blows with a hammer.



- They will cause high internal stresses and shorten the life of the tool.
- Note the risk of shooting out the chisel, die or punch if the retainer is not in order or damaged.

10 Quick coupling.



- If a coupling is used on a percussive tool, it shall be separated from the tool by a whip hose (length 0.5 m).

11 Follow the tool manual and the lubrication instructions.

12 Make overhaul at regular intervals.

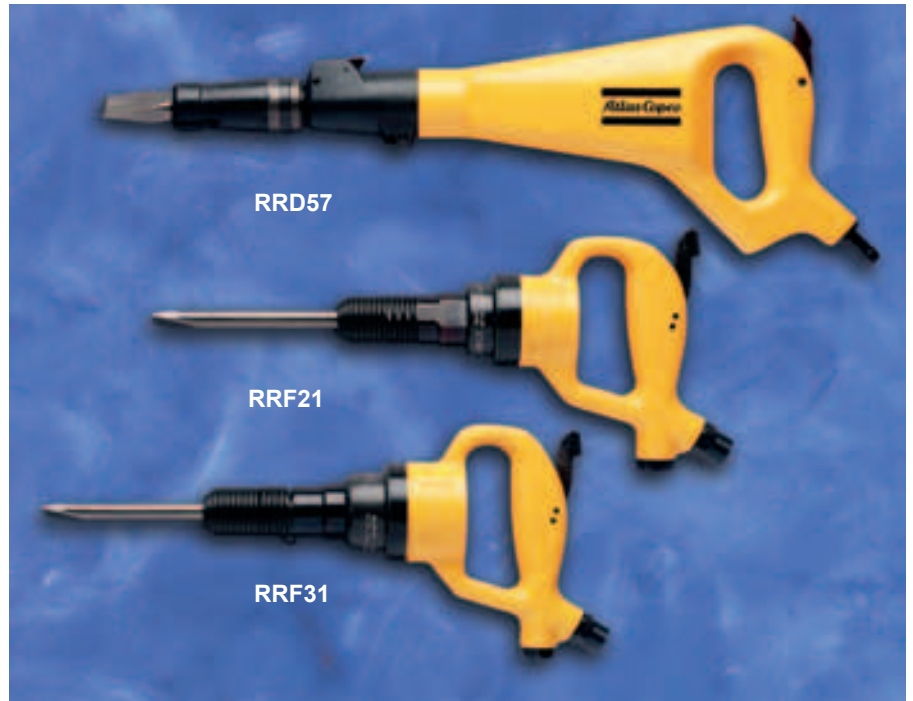
CHIPPING HAMMERS

Vibration-damped and silenced

Tough on the job – easy on you

Choose the tools that give the best results in the toughest working conditions, yet are easy on the operator. These are effective, reliable tools for fettling of castings, chipping operations in the mechanical industry, hole making and light demolition of concrete.

- **RRF21/31** have a sturdy D-handle in light metal alloy for a high power-to-weight ratio and steady grip. The compact, vibration-controlled (2.5 m/s^2) design offers good accessibility and ease of use.
- **RRD37/57** are light, quiet and have a long service life. They have light alloy tool casings, very low vibration (below 2.5 m/s^2) and noise levels, vibration damping in both hand grips, and piped away exhaust.



Model	Blows Hz	Piston dia		Stroke		Energy per blow		Length mm	Weight		Bushing		Air consumption		Hose size		Air inlet BSP	Ordering No.	
		mm	in	mm	in	J	ft lb		kg	lb	mm	in	l/s	cfm	mm	in			
Chipping hammers vibration damped																			
RRF21-01	57	18	0.7	33	1.3	2.0	1.5	245	1.75	3.3	12.7 ^c	0.50	6.5	13.8	10.0	3/8	3/8	8425 1104 05*	
RRF31-01	38	22	0.9	43	1.7	4.4	3.2	265	2.5	5.3	12.7 ^c	0.50	7.5	15.9	10.0	3/8	3/8	8425 1104 15*	
RRD37-11	35	27/19 ^a	1.1/0.8	70	2.8	6.8	5.0	418	3.0	6.6	17.3 ^d	0.68	7.2	15.3	12.5	1/2	special ^e	8425 1101 22*	
RRD37-12	35	27/19 ^a	1.1/0.8	70	2.8	6.8	5.0	418	3.0	6.6	17.3 ^d	0.68	7.2	15.3	12.5	1/2	special ^e	8425 1101 30*	
RRD57-11	31	28/18 ^b	1.1/0.8	92	3.6	9.3	6.9	458	3.4	7.5	17.3 ^d	0.68	9.5	20.1	12.5	1/2	special ^e	8425 1103 20*	
RRD57-12	31	28/18 ^b	1.1/0.8	92	3.6	9.3	6.9	458	3.4	7.5	17.3 ^d	0.68	9.5	20.1	12.5	1/2	special ^e	8425 1103 38*	

^a Effective piston dia 19 mm, 0.75 in.

^b Effective piston dia 21.5 mm, 0.85 in.

^c ISO.

^d Spline.

^e Integrated hose barb.

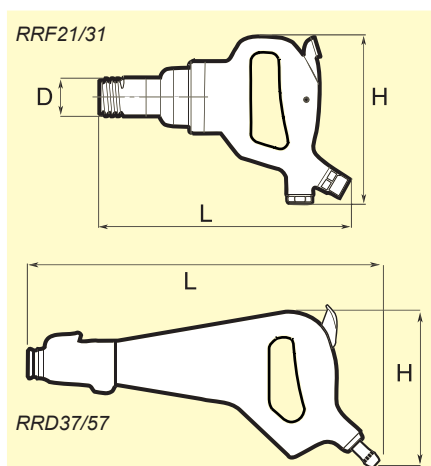
-01 and -11: Guided models,

-02 and -12: Non guided models.

* Available directly from stock.

DIMENSIONS (mm)

Model	L	H	D
RRF21	245	160	33
RRF31	265	170	36
RRD37	418	175	–
RRD57	458	190	–



Power regulator

Model	Ordering No.
RRF21 and -31	3512 0273 80

Retainer, open type

Model	Ordering No.
RRF21	3512 0290 90
RRF31	3512 0305 90

RRD37, RRD57

The RRD37 and RRD57 can be equipped with spot suction.

Equipment for spot suction	Ordering No.
Suction cap	3510 0477 80
Hose cap	3510 0536 00
Suction hose Ø 40 mm, length 15 m	3780 1602 02

ACCESSORIES INCLUDED

RRF models	Chisel retainer and a hose fitting
RRD models	Flat chisel
	Silencer complete
	Hand grip
	Key

OPTIONAL ACCESSORIES

A selection of chisels

RRF21/31	ISO 12.7 mm
RRD37/57	ISO with splines

For a wide choice of chisels, see page 187.

CHIPPING HAMMERS

Atlas Copco RRC chipping hammers are used mainly in foundries, in heavy industry and for hole-making and light demolition in the building industry.

- **Dependable** – Their robust construction makes them highly dependable.
- **Efficient** – RRC65 and RRC75 have a blow rate which makes them particularly suitable for roughening.
- **Chisel retainer** – for safer jobs – RRC22-RRC75 are delivered with a chisel retainer as standard. For the same reason choose a tool that can be guided via the machine itself and not by holding the chisel.

As standard, Atlas Copco chipping hammers of series RRC are delivered with a standard, guided ISO hexagon nozzle (-01) or a round, non guided shank nozzle (-02).



Model	Blows Hz	Piston dia		Stroke		Energy per blow		Length mm	Weight		Bushing		Air consumption		Hose size		Air inlet BSP	Ordering No.	
		mm	in	mm	in	J	ft lb		kg	lb	mm	in	l/s	cfm	mm	in			
Chipping hammers including chisel retainer																			
RRC22F-01	62	15	0.6	52	2.0	2.7	2.0	260	2.2	4.9	12.7 ^a	0.50	6.2	13.1	10	3/8	3/8	8425 0202 22*	
RRC22F-02	62	15	0.6	52	2.0	2.7	2.0	260	2.2	4.9	12.7 ^a	0.50	6.2	13.1	10	3/8	3/8	8425 0202 30	
RRC34B-01	45	24	0.9	67	2.6	5.5	4.1	330	4.5	9.9	17.3 ^a	0.68	8.0	14.0	12.5	1/2	special ^b	8425 0212 53*	
RRC34B-02	45	24	0.9	67	2.6	5.5	4.1	330	4.5	9.9	17.3 ^a	0.68	8.0	17.0	12.5	1/2	special ^b	8425 0212 61	
RRC65B-01	40	29	1.1	50	2.0	10.0	7.3	335	5.9	13.0	17.3 ^a	0.68	10.8	22.9	12.5	1/2	special ^b	8425 0225 33*	
RRC65B-02	40	29	1.1	50	2.0	10.0	7.3	335	5.9	13.0	17.3 ^a	0.68	10.8	22.9	12.5	1/2	special ^b	8425 0225 41*	
RRC75B-01	30	29	1.1	75	3.0	16.0	11.8	390	6.5	14.3	17.3 ^a	0.68	14.0	29.6	12.5	1/2	special ^b	8425 0225 58*	
RRC75B-02	30	29	1.1	75	3.0	16.0	11.8	390	6.5	14.3	17.3 ^a	0.68	14.0	29.6	12.5	1/2	special ^b	8425 0225 66*	

^a ISO.

^b Integrated hose barb.

* Available directly from stock.

DIMENSIONS (mm)

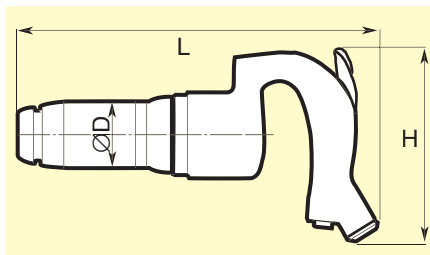
Model	L	H	D
RRC22	260	155	34
RRC34	330	160	43
RRC65	335	170	54
RRC75	390	170	54

ACCESSORIES INCLUDED

RRC22F	} Chisel retainer and hose fitting
RRC34B	
RRC65B	
RRC75B	

OPTIONAL ACCESSORIES

A selection of chisels fitting -01, -02 type, see page 187.



SCALER

Vibration-controlled

Scaler RVM07B is ideal for tasks such as weld dressing, etc.

- **Vibration-damped with low-noise level.**
- **Vibration is very low** (below 2.5 m/s²).
- **Two-job capacity** – RVM07B features a clean-blowing device (B) which is very useful for clean-blowing work on steel structures etc.
- **RVM07B** is the obvious choice for light concrete trimming and for removal of paint and rust.

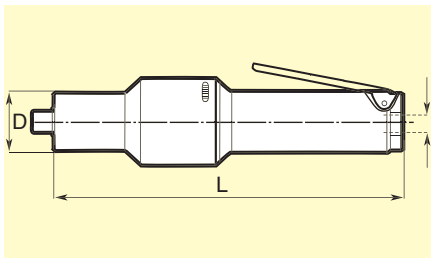


Model	Blows Hz	Length mm	Weight incl. standard chisel		Air consumption		Hose size		Air inlet BSP	Ordering No.
			kg	lb	l/s	cfm	mm	in		
Scalers										
RVM07B	100	273	1.7	3.8	3.8	8.1	6.3	1/4	1/4	8425 0105 25*

* Available directly from stock.

DIMENSIONS (mm)

Model	L	D
RVM07B	273	38



ACCESSORIES INCLUDED

Hose fitting
Flat carbide tipped chisel 10x120 mm

OPTIONAL ACCESSORIES

Carbide tipped chisels and through hardened chisels with other length and width.
See page 187.



CHIPPING HAMMERS / SCALERS

Choose between two different models for heavy slag chipping and for instant trimming of concrete.

- **High removal rate** – RRC13 is very effective and has a high removal rate in relation to its low weight.
- **Well proven** percussive mechanism and retainer.
- **Two-job capacity** – RRC13B with extra clean-blowing device.
- **Improved back head** – Throttle valve and lever with really Heavy Duty performance for long service life. Clean blowing system with twice the previous blow capacity. Big blow button for easy operation and sturdy valve stem to resist rough handling.

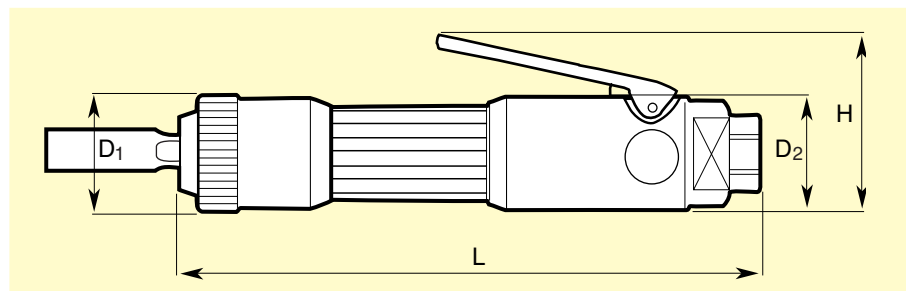


Model	Blows Hz	Piston dia		Stroke		Energy per blow		Length mm	Weight		Air consumption		Hose size		Air inlet BSP	Ordering No.
		mm	in	mm	in	J	ft lb		kg	lb	l/s	cfm	mm	in		
Scalers																
RRC13	73	15	0.6	35	1.4	1.4	1.0	221	1.4	3.1	4.0	8.0	10	3/8	3/8	8425 0101 30*
RRC13B	73	15	0.6	35	1.4	1.4	1.0	231	1.6	3.5	4.0	8.0	10	3/8	3/8	8425 0101 33*

* Available directly from stock.

DIMENSIONS (mm)

Model	L	H	D ₁	D ₂
RRC13	221	65	45	41.5
RRC13B	231	65	45	41.5



ACCESSORIES INCLUDED

Hose fitting
Scaling chisel

OPTIONAL ACCESSORIES

RRC13 / RRC13B	Ordering No.
Hand guard	3510 0246 90
All steel retainer	3510 0245 80
Silencer	3510 0366 80

Chisels for RRC13 and -13B:
Square shank 13.0 mm.

For a wide choice of chisels,
see page 187.

NEEDLE SCALER

The effective needle scaler, type RRC13N, is based on the same fundamental design as the straight chipping hammers of type RRC13 described above.

- **Sturdy design** – Easy to maintain.
- **Versatile** – The needle scaler is used to remove welding slag, rust and paint from steel structures.



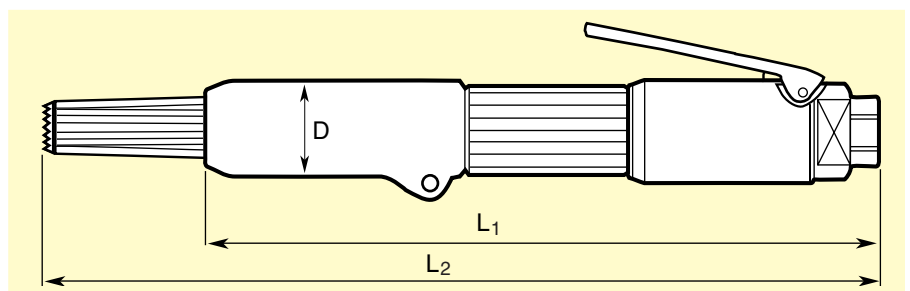
RRC13N

Model	Blows Hz	Piston dia		Stroke		Energy per blow		Length mm	Weight		Air consumption		Hose size		Air inlet BSP	Ordering No.
		mm	in	mm	in	J	ft lb		kg	lb	l/s	cfm	mm	in		
Scaler																
RRC13N	73	15	0.6	35	1.4	1.4	1.0	352	1.9	4.2	4.0	8.0	10	3/8	3/8	8425 0101 36*

* Available directly from stock.

DIMENSIONS (mm)

Model	L ₁	L ₂	D
RRC13N	282	352	38



ACCESSORIES INCLUDED

Hose fitting
Needle set (steel)

OPTIONAL ACCESSORIES

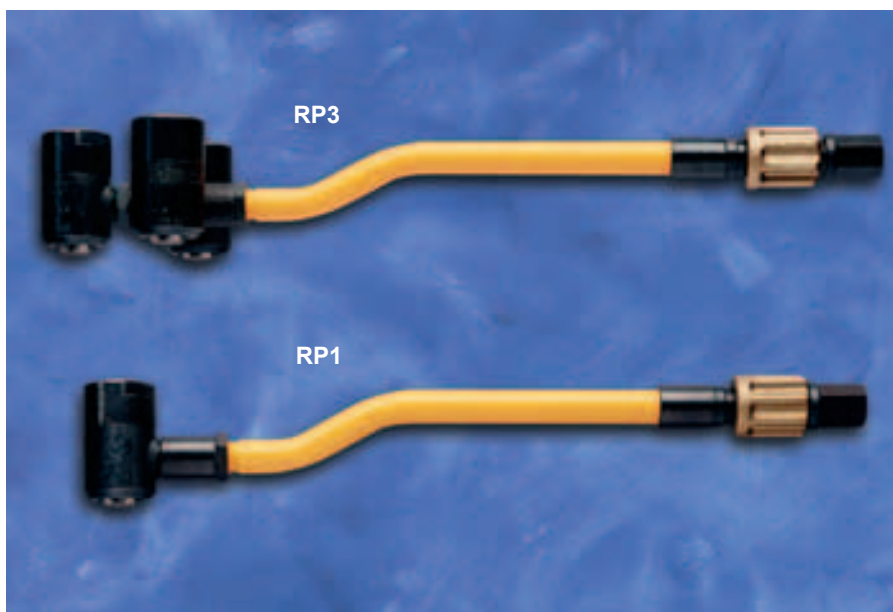
Needle-set of 19 needles, length 100 mm

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

RUST AND WELD SCALERS

The RP rust and weld scaler is designed for removal of rust, paint and other coating from steel structures, steam boilers etc.

- **Easy to maintain** – The 4-point bit, with cemented carbide insert, is replaceable.
- **Two models for flexible work** – The rust and weld scaler is available in versions with 1 impact head (RP1) and with 3 impact pistons (RP3).

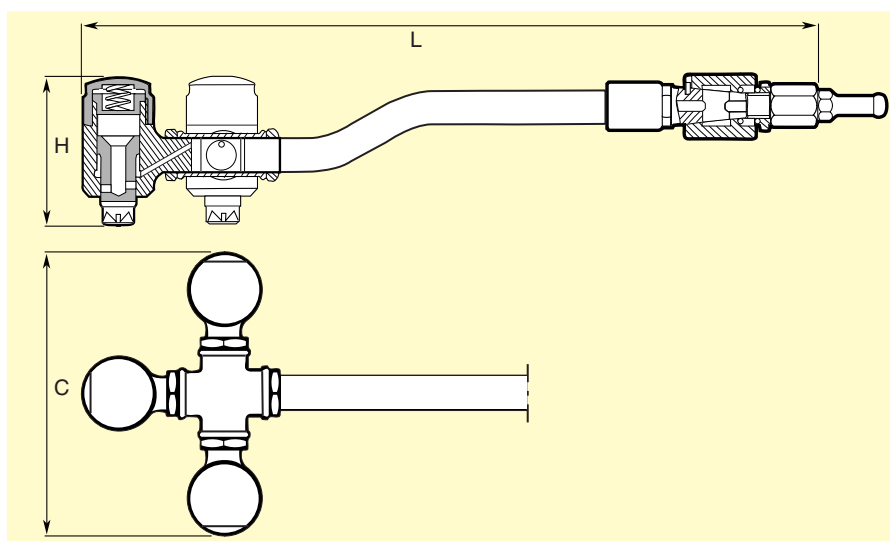


Model	Blows Hz	Length mm	Weight		Air consumption		Hose size		Air inlet BSP	Ordering No.
			kg	lb	l/s	cfm	mm	in		
Scalers										
RP1	69	485	2.0	4.4	3.2	6.8	10	3/8	3/8	8425 0301 06*
RP3	69	515	3.9	8.6	9.6	20.3	10	3/8	3/8	8425 0301 14*

* Available directly from stock.

DIMENSIONS (mm)

Model	L	H	C
RP1	485	80	–
RP3	515	80	180



ACCESSORIES INCLUDED

Hose fitting
Four-point carbide bit, length 55 mm

OPTIONAL ACCESSORIES

RP1 and RP3	Ordering No.
Vibration-damped support handle	3550 0079 80