

RIVETEC
TITGEMEYER Group

Catalogue



Part No. 99-0034

HL 1

Hand riveting tool for installation of rivet nuts from M4 to M6

Ideal for repairs or installing of small series of rivet nuts



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass		✓	✓	✓			
Steel		✓	✓	✓			
Stainless		✓	✓	✓			

Mandrels & anvils included

	✓	✓	✓				
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Technical parameters:

Model	HL 1
Weight	0,8 kg
Length	49 mm
Height	248 mm

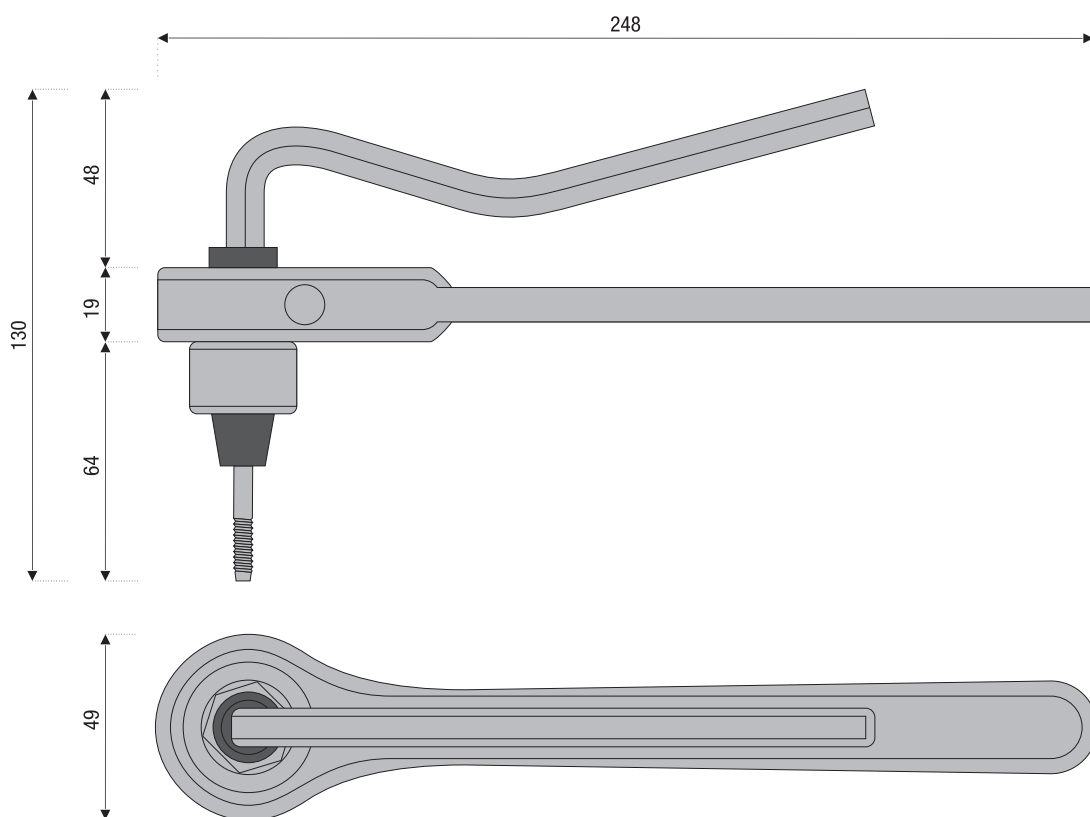
Description:

- used to install small series of standard rivet nuts and rivet studs
- robust construction and low weight
- set of reversible-ratchet, ring spanner and Allen key
- comfortable operation
- low-maintenance



Dimensions of tool:

HL 1



Standard accessories:

Description	Part No.
Mandrel M4	87-0275
Mandrel M5	87-0276
Mandrel M6	87-0277
Head M4	87-0198
Head M5	87-0199
Head M6	87-0200
Hex Socket Screw Key 9	87-0273
Ratchet Key M4–M6	87-0196

Optional accessories:

Description	Part No.
Hand Tool for Setting Rivet Nuts from M4	99-0028
Hand Tool for Setting Rivet Nuts from M5	99-0029
Hand Tool for Setting Rivet Nuts from M6	99-0030

Part No. 99-0035

HL 1 M

Hand riveting tool for installation of rivet nuts from M8 to M12

Ideal for repairs or installing of small series of rivet nuts



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass					✓	✓	✓
Steel					✓	✓	✓
Stainless					✓	✓	✓

Mandrels & anvils included

					✓	✓	✓
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Technical parameters:

Model	HL 1 M
Weight	0,8 kg
Length	49 mm
Height	248 mm

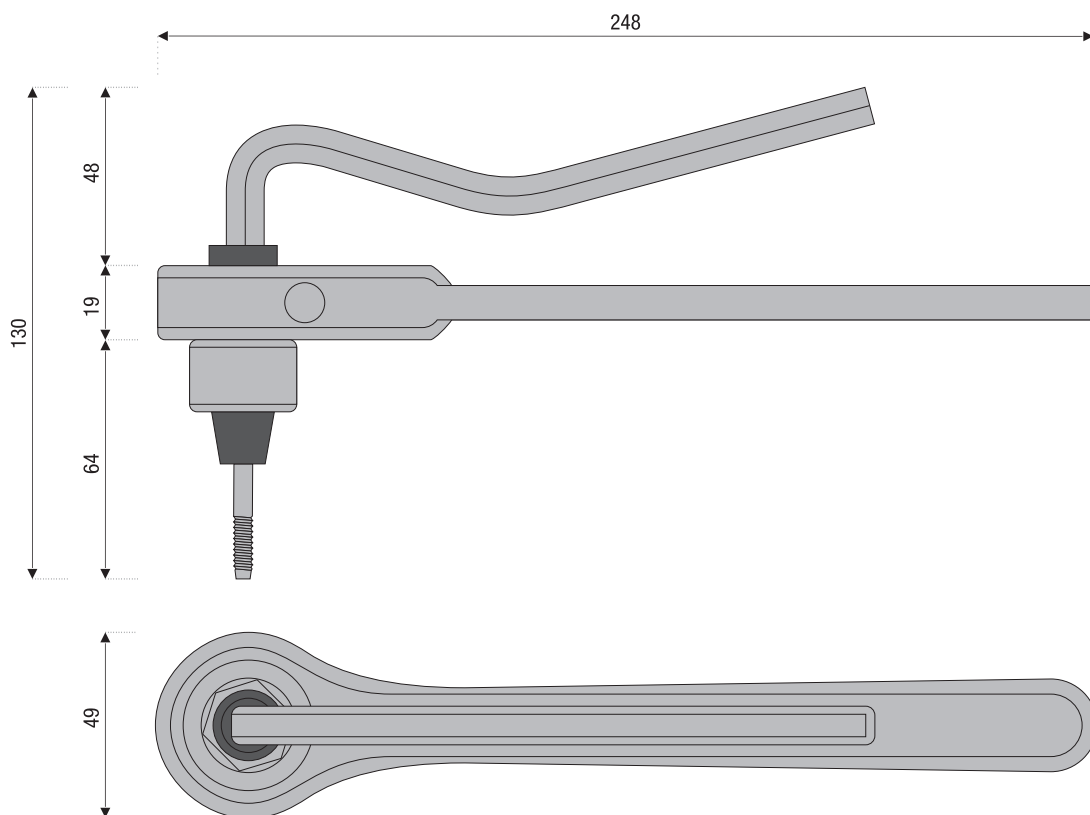
Description:

- used to install small series of standard rivet nuts and rivet studs
- robust construction and low weight
- set of reversible-ratchet, ring spanner and Allen key
- comfortable operation
- low-maintenance



Dimensions of tool:

HL 1M



Standard accessories:

Description	Part No.
Mandrel M8	87-0278
Mandrel M10	87-0279
Mandrel M12	87-0280
Head M8	87-0201
Head M10	87-0202
Head M12	87-0203
Hex Socket Screw Key 12	87-0274
Ratchet Key M8–M12	87-0197

Optional accessories:

Description	Part No.
Hand Tool for Setting Rivet Nuts from M8	99-0031
Hand Tool for Setting Rivet Nuts from M10	99-0032
Hand Tool for Setting Rivet Nuts from M12	99-0033

Part No. 99-0005

HL 3

Hand riveting tool for installation
of rivet nuts from M3 to M6

Ideal for using when
the rivet size is often changed



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓	✓	✓			
Steel	✓	✓	✓				
Stainless	✓	✓	✓				

Mandrels & anvils
included

✓	✓	✓	✓				
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Technical parameters:

Model	HL 3
Working stroke	7,5 mm
Weight	0,8 kg
Length	121 mm
Height	265 mm

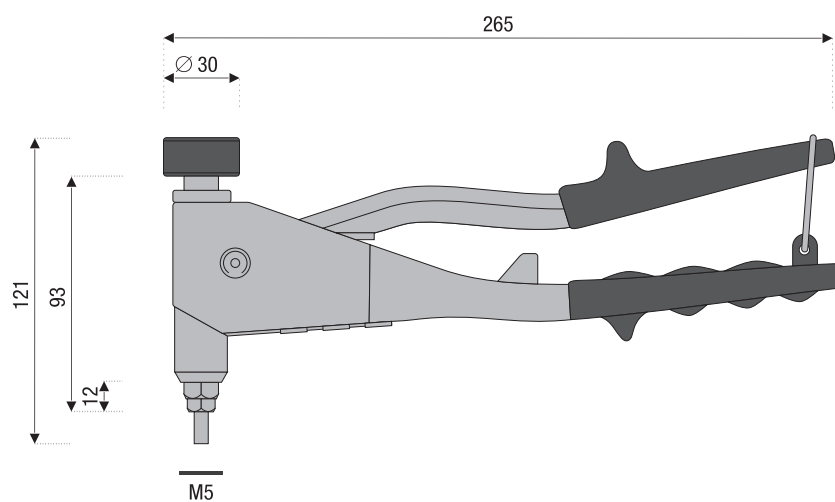
Description:

- used to install small series of standard rivet nuts
- robust construction and low weight
- quick exchange of mandrel
- small size
- comfortable operation
- low maintenance



Dimensions of tool:

HL 3



Standard accessories:

Description	Part No.
Mandrel M3	87-0008
Mandrel M4	87-0009
Mandrel M5	87-0010
Mandrel M6	87-0011
Nosepiece 3	87-0282
Nosepiece 4	87-0283
Nosepiece 5	87-0284
Nosepiece 6	87-0285

Part No. 99-0013

HL5

Double-lever hand tool for installation of blind rivets from 2.4 to 5 mm



Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass	✓	✓	✓	✓		
Steel	✓	✓	✓	✓		
Stainless	✓	✓	✓	✓		

Nosepieces included:

✓	✓	✓	✓		
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Technical parameters:

Model	HL 5
Working stroke	11.5 mm
Weight	1.9 kg
Length	390 mm
Height	130 mm

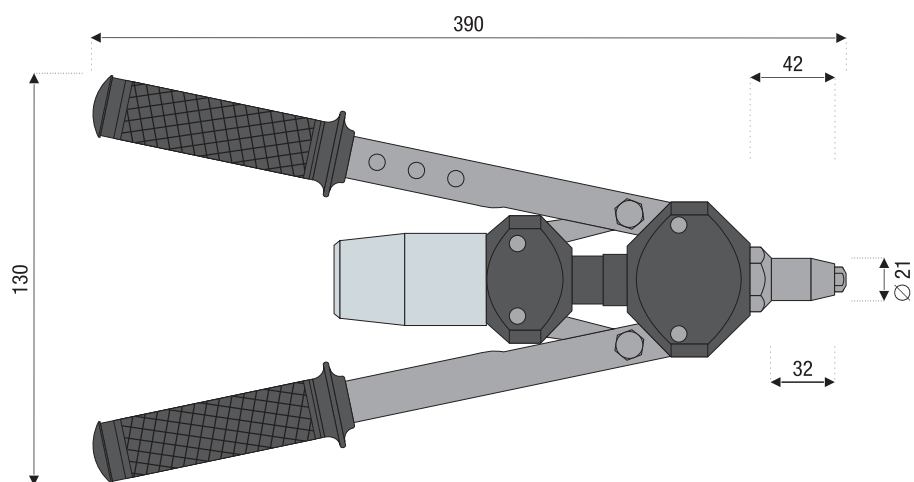
Description:

- used to install small and medium series of standard rivets
- compact dimensions
- simple operation
- large range of additional equipment
- low weight



Dimensions of tool:

HL5



Standard accessories:

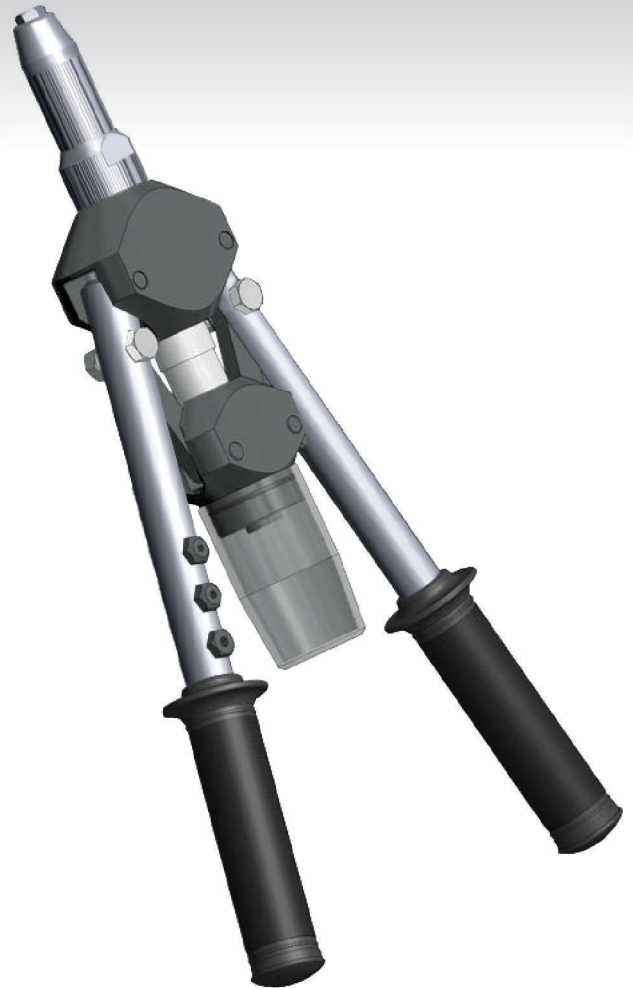
Description	Part No.
Nosepiece 2.4	87-0016
Nosepiece 3/3.2	87-0017
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Jaws Set	87-0055
Mandrel Collector	87-0286

Part No. 99-0014

HL 5M

Double-lever hand tool for installation of blind rivets from 4 to 6.4 mm

Adjustable nozzle allows the optimal setting of pliers for comfortable riveting



Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	
Stainless				✓	✓	✓

Nosepieces included:

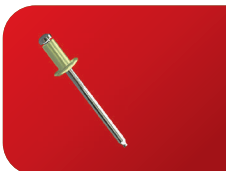
		✓	✓	✓	✓
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Technical parameters:

Model	HL 5M
Working stroke	11.5 mm
Weight	1.7 kg
Length	430 mm
Height	130 mm

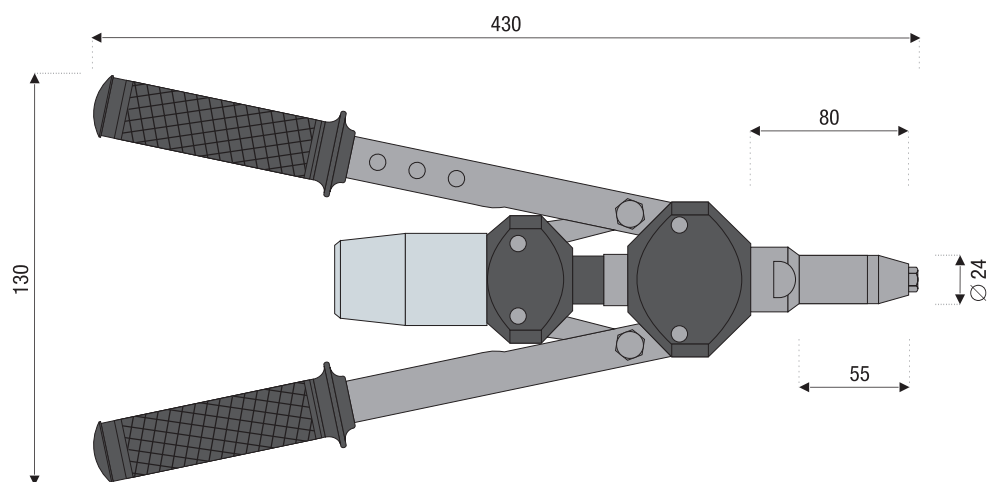
Description:

- used to install small and medium series of rivets
- nozzle allows the adjustment of the tool for comfortable riveting
- high efficiency and reliability
- robust construction
- comfortable operation
- spare nosepieces in the handle of the tool
- compact dimensions
- low weight



Dimensions of tool:

HL5M



Standard accessories:

Description	Part No.
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Nosepiece 6	87-0020
Nosepiece 6.4	87-0021
Jaws Set	87-0052
Mandrel Collector	87-0286

Part No. 99-0015

HL 6

Double-lever hand tool
for installation of blind rivets
from 4 to 6.4 mm



Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	✓
Stainless			✓	✓	✓	✓

Nosepieces
included:

		✓	✓	✓	✓
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Technical parameters:

Model	HL 6
Working stroke	11.5 mm
Weight	1.8 kg
Length	480 mm
Height	150 mm

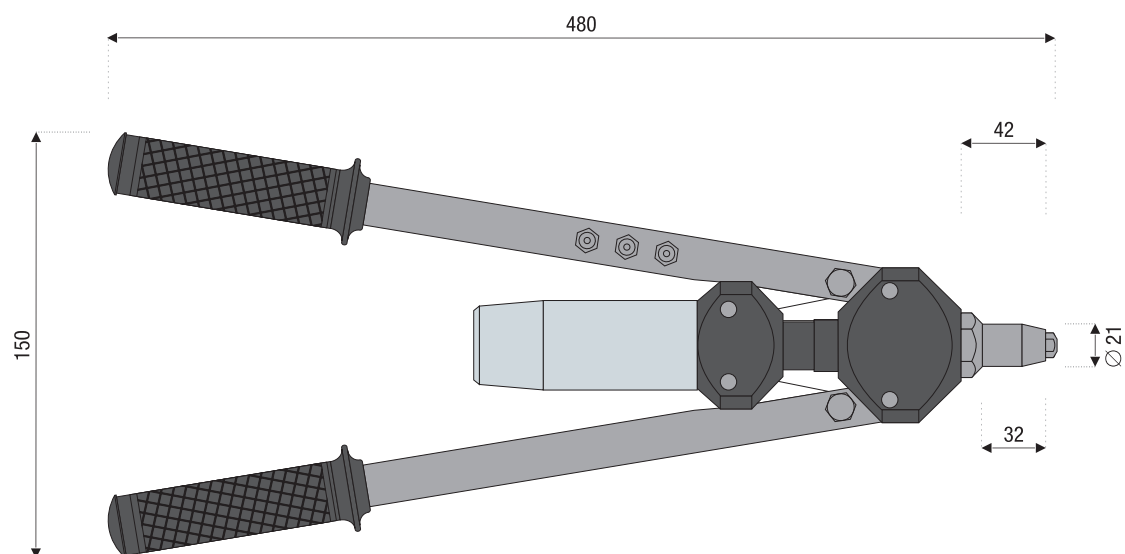
Description:

- used to install small and medium series of standard rivets
- high efficiency
- low maintenance demands
- comfortable operation



Dimensions of tool:

HL 6



Standard accessories:

Description	Part No.
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Nosepiece 6	87-0020
Nosepiece 6.4	87-0021
Jaws Set	87-0052
Mandrel Collector	87-0287

Part No. 99-0016

HL 6M

Double-lever hand tool
for installation of blind rivets
from 4 to 6.4 mm



Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	✓
Stainless			✓	✓	✓	✓

Nosepieces included:

		✓	✓	✓	✓
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Technical parameters:

Model	HL 6M
Working stroke	16 mm
Weight	1.9 kg
Length	530 mm
Height	150 mm

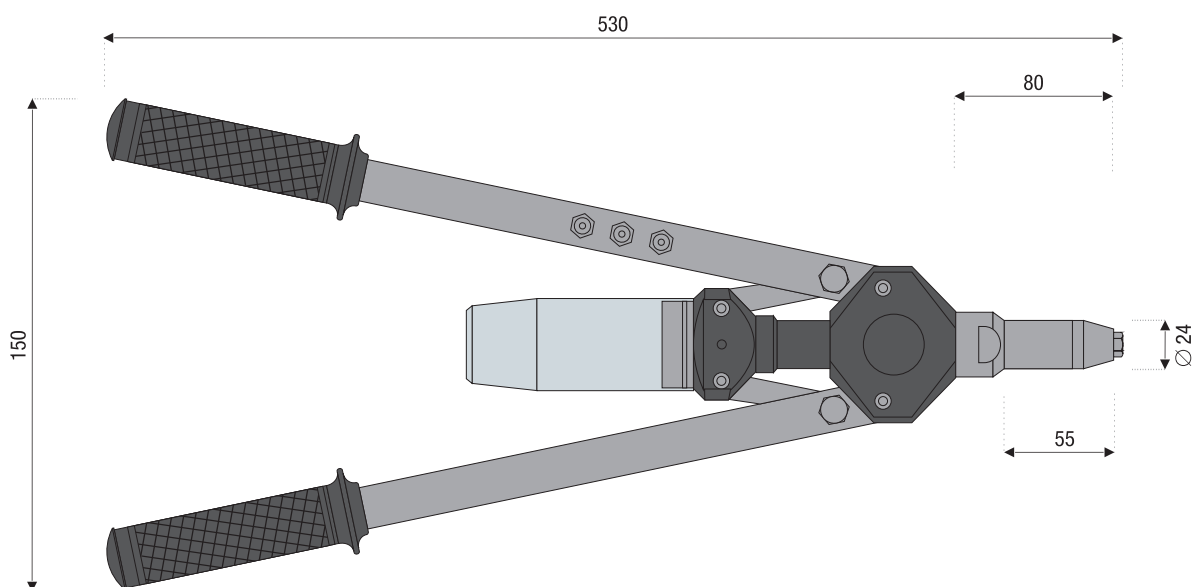
Description:

- long levers and adjustable nozzle provides sufficient
- used to install medium and large series of rivets
- spare nosepieces on the lever of the pliers strength and comfortable riveting
- high efficiency and reliability
- robust construction
- adjustable nose housing



Dimensions of tool:

HL 6M



Standard accessories:

Description	Part No.
Nosepiece 4	87-0018
Nosepiece 4,8/5	87-0019
Nosepiece 6	87-0020
Nosepiece 6,4	87-0021
Jaws Set	87-0052
Mandrel Collector	87-0287

Part No. 99-0017

HL 6M+

Double-lever hand tool
for installation of blind rivets
from 4 to 6.4 mm



Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4*
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	✓
Stainless			✓	✓	✓	✓

Nosepieces
included:

		✓	✓	✓	✓
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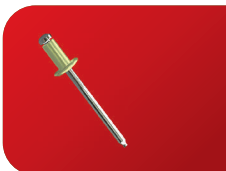
* type of rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Technical parameters:

Model	HL 6M+
Working stroke	16 mm
Weight	1.9 kg
Length	530 mm
Height	150 mm

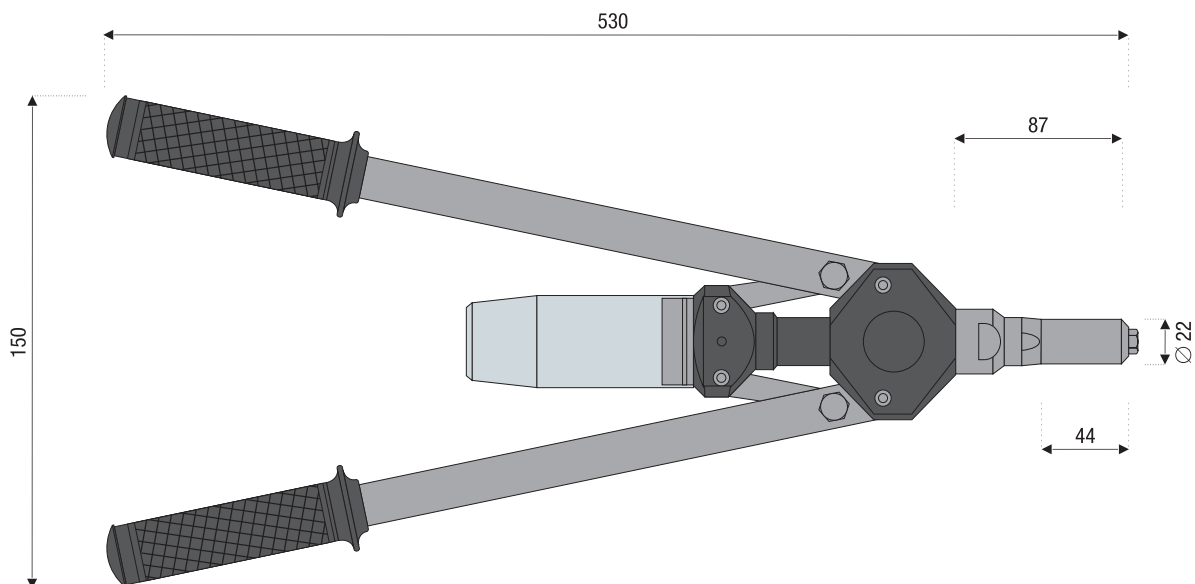
Description:

- tool is equipped with jaw head, which ensures long life
- adjustable nose housing which allows the setting for various types of rivets
- special jaw guide and jaws for extreme loading
- high efficiency and reliability
- on demand pliers can be equipped with jaw guide and jaws specially available for blind and structural rivets with grooved mandrels
- used to install medium and large series of blind and structural rivets
- spare nosepieces are located on the tool handle
- robust construction
- comfortable operation



Dimensions of tool:

HL 6M+



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 4,8/5	87-0023
Nosepiece 6	87-0024
Nosepiece 6,4	87-0025
Jaws Set	87-0051
Mandrel Collector	87-0287

Optional accessories:

Description	Part No.
Set for Structured Rivets with Grooved Mandrel	87-0195

Part No. 99-0150

HL 85

Double-lever hand tool
for installation of rivet nuts
and rivet studs
from M3 to M8



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓		
Steel	✓	✓*	✓*	✓*	✓		
Stainless	✓	✓*	✓*	✓*	✓		

Mandrels & anvils included

	✓	✓	✓	✓		
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* including pulling bolts

Technical parameters:

Model	HL 85
Working stroke	7 mm
Weight	1.9 kg
Length	130 mm
Height	410 mm

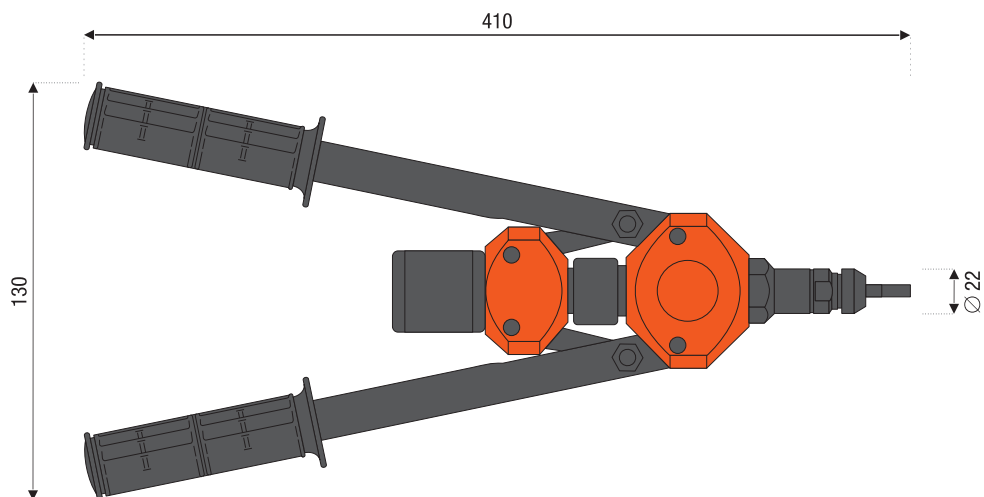
Description:

- used to install medium and large series of standard rivet nuts and rivet studs
- easy adjustable stroke
- robust construction
- comfortable and fast operation
- low purchase price
- compact dimensions
- low weight



Dimensions of tool:

HL 85



Standard accessories:

Description	Part No.
Mandrel M4	87-0040
Mandrel M5	87-0041
Mandrel M6	87-0042
Mandrel M8	87-0043
Anvil 4	87-0027
Anvil 4.8/5	87-0028
Anvil 6	87-0029
Anvil 8	87-0030

Optional accessories:

Description	Part No.
Pulling bolt M4	87-0046
Pulling bolt M5	87-0047
Pulling bolt M6	87-0048
Pulling bolt M8	87-0049
Mandrel M3	87-0039
Anvil 3	87-0026

Part No. 99-0012

HL9

Double-lever hand tool
for installation of rivet nuts
and rivet studs
from M3 to M12

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils
included

		✓	✓	✓	✓		
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* including pulling bolts

Technical parameters:

Model	HL 9
Working stroke	7 mm
Weight	2 kg
Length	150 mm
Height	510 mm



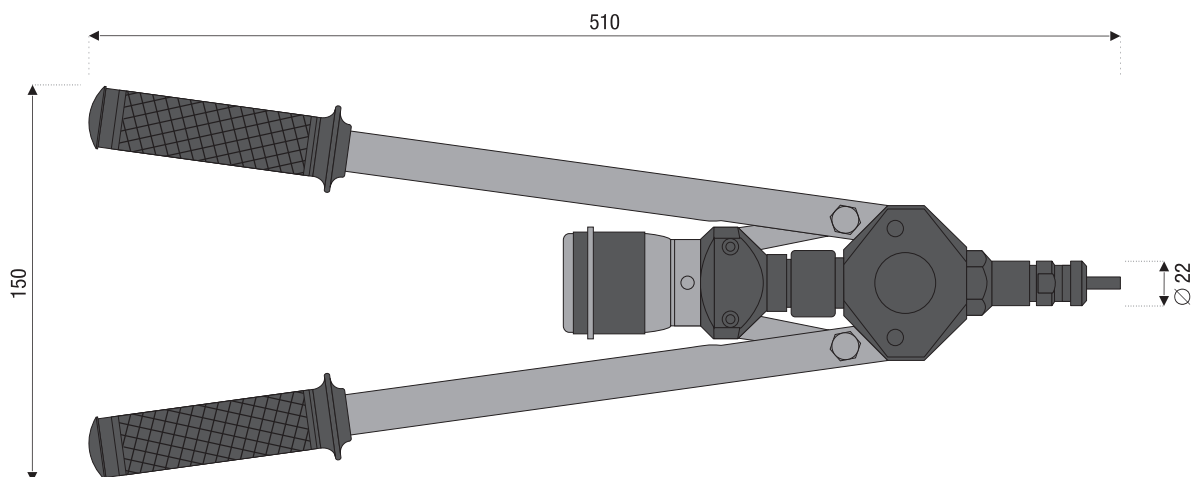
Description:

- quick spin-on and spin-off of the mandrel save time and increases ease of use
- used to install medium and large series of standard rivet nuts and rivet studs
- easy adjustable stroke
- robust construction
- comfortable and fast operation
- high efficiency



Dimensions of tool:

HL 9



Standard accessories:

Description	Part No.
Mandrel M5	87-0041
Mandrel M6	87-0042
Mandrel M8	87-0043
Mandrel M10	87-0044
Anvil 5	87-0028
Anvil 6	87-0029
Anvil 8	87-0030
Anvil 10	87-0031

Optional accessories:

Description	Part No.
Pulling bolt M5	87-0047
Pulling bolt M6	87-0048
Pulling bolt M8	87-0049
Mandrel M12	87-0045
Anvil 12	87-0032

Part No. 99-0151

HL 95

Double-lever hand tool
for installation of rivet nuts
and rivet studs
from M3 to M12



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included			✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	HL 95
Working stroke	7 mm
Weight	2.1 kg
Length	150 mm
Height	510 mm

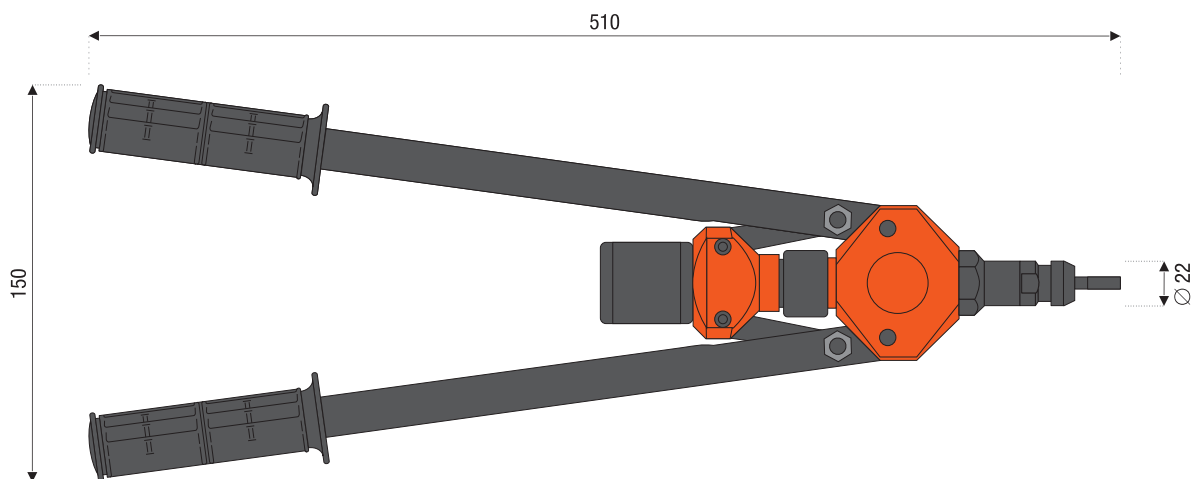
Description:

- robust construction
- comfortable and fast operation
- good value for money
- used to install medium and large series of standard rivet nuts and rivet studs
- easy adjustable stroke
- high efficiency



Dimensions of tool:

HL 95



Standard accessories:

Description	Part No.
Mandrel M5	87-0041
Mandrel M6	87-0042
Mandrel M8	87-0043
Mandrel M10	87-0044
Anvil 5	87-0028
Anvil 6	87-0029
Anvil 8	87-0030
Anvil 10	87-0031

Optional accessories:

Description	Part No.
Pulling bolt M5	87-0047
Pulling bolt M6	87-0048
Pulling bolt M8	87-0049
Mandrel M12	87-0045
Anvil 12	87-0032



Part No. 99-0167

RL 12

Hydropneumatic tool for installation of blind rivets from 2.4 to 5.0 mm

Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass	✓	✓	✓	✓		
Steel	✓	✓	✓			
Stainless	✓	✓	✓			

Nosepieces included:

✓	✓	✓	✓		
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Technical parameters:

Model	RL 12
Pulling Force	8 kN / 6 bar
Working Stroke	14mm
Weight	1.4 kg
Force / Weight Ratio	5.71 kN/kg
Height	243 mm
Length	273 mm
Air Consumption	1.2 litres / rivet
Air Consumption / min	70 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")

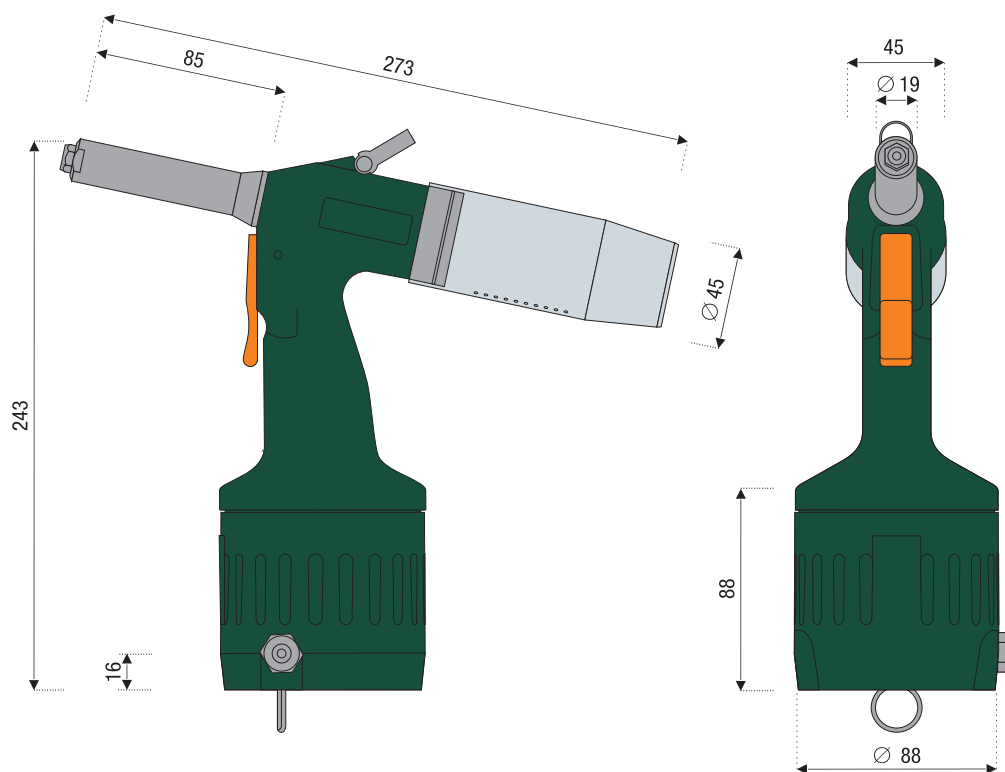
Description:

- high output at small dimensions
- fluent regulation of the intensity of exhaustion
- low noise
- low maintenance
- simple operation
- large range of additional equipment
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- quick release collecting container with adjustable air exhaust
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice



Dimensions of tool:

RL 12



Standard accessories:

Description	Part No.
Nosepiece 2.4	87-0016
Nosepiece 3/3.2	87-0017
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Jaws Set	87-0050
Mandrel Collector	87-0058
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Jaws Set for Stainless Rivets	87-0053
Extended 200 mm Front End	87-0190
Front End \varnothing 17 mm	87- 0191
Extended 200 mm Front End \varnothing 17 mm	87-0192
Hydraulic Oil for Tool – 1 Litre	87-0188

Part No. 99-0141

RL 15A

Hydropneumatic tool for installation of blind rivets from 2.4 to 5.0 mm

Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass	✓	✓	✓	✓		
Steel	✓	✓	✓	✓		
Stainless	✓	✓	✓	✓		

Nosepieces included:

	✓	✓	✓		
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Technical parameters:

Model	RL 15A
Pulling Force	9.5 kN / 6 bar
Working Stroke	21 mm
Weight	1.6 kg
Force / Weight Ratio	5.58 kN/kg
Height	265 mm
Length	281 mm
Air Consumption	2 litres / rivet
Air Consumption / min	70 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



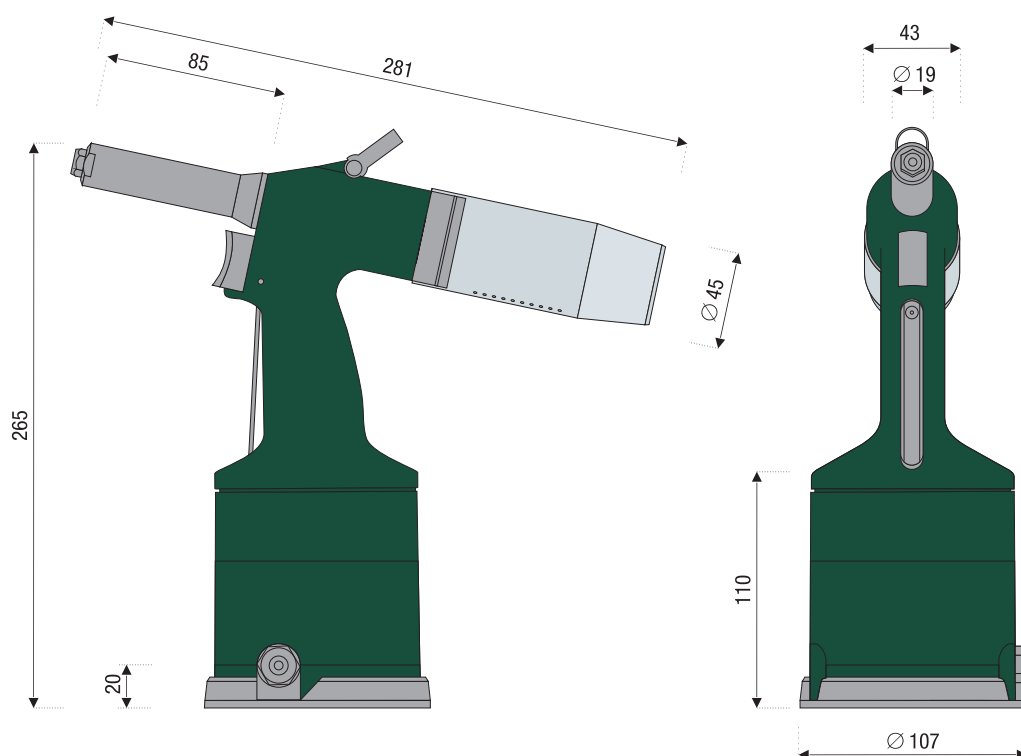
Description:

- tool with long stroke recommended for multigrip rivets with large grip range and for rivets for soft materials
- air automatically shut off when not in use - minimising air consumption and operating costs
- high output at small dimensions
- low noise
- low maintenance
- simple operation
- large range of additional equipment
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- quick release collecting container with adjustable air exhaust
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 15A



Standard accessories:

Description	Part No.
Nosepiece 2.4	87-0016
Nosepiece 3/3.2	87-0017
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Jaws Set	87-0050
Mandrel Collector	87-0058
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Jaws Set for Stainless Rivets	87-0053
Extended 200 mm Front End	87-0190
Front End \varnothing 17 mm	87-0191
Extended 200 mm Front End \varnothing 17 mm	87-0192
Hydraulic Oil for Tool – 1 Litre	87-0188

Part No. 99-0021

RL 20A

Hydropneumatic tool for installation of blind rivets from 2.4 to 5.0 mm

Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass	✓	✓	✓	✓		
Steel	✓	✓	✓	✓		
Stainless	✓	✓	✓	✓		

Nosepieces included:

	✓	✓	✓		
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Technical parameters:

Model	RL 20A
Pulling Force	13 kN / 6 bar
Working Stroke	16 mm
Weight	1.6 kg
Force / Weight Ratio	8.12 kN/kg
Height	265 mm
Length	281 mm
Air Consumption	2 litres / rivet
Air Consumption / min	70 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



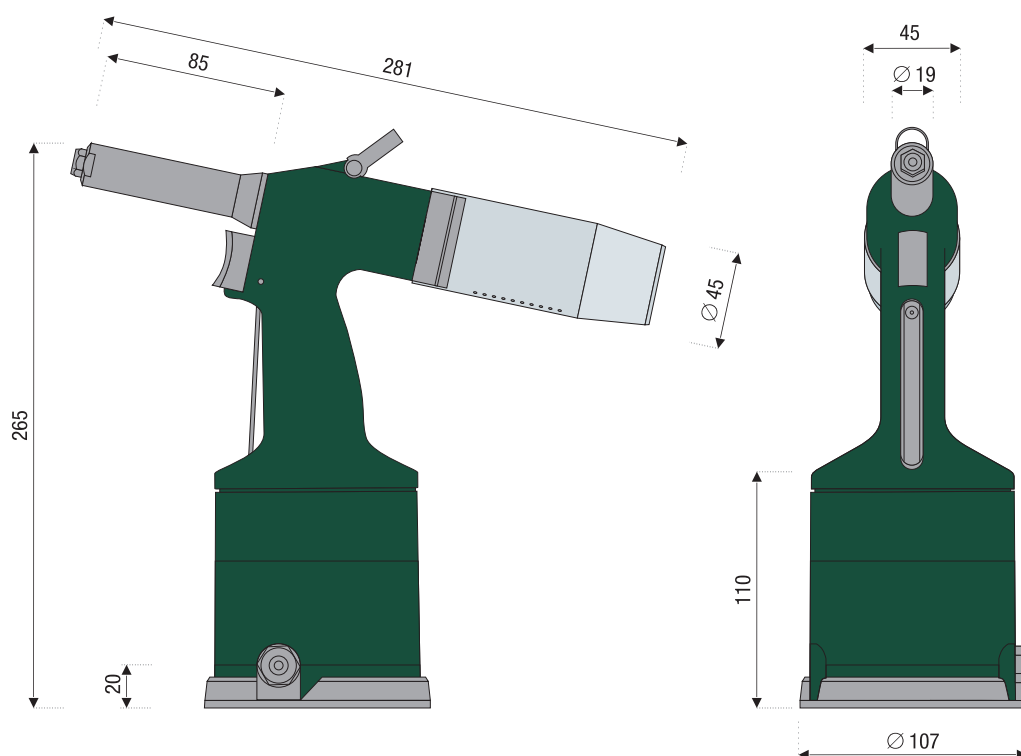
Description:

- unrivalled performance-to-weight ratio
- air automatically shut off when not in use - minimising air consumption and operating costs
- low noise
- low maintenance
- simple operation
- large range of additional equipment
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- quick release collecting container with adjustable air exhaust
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 20A



Standard accessories:

Description	Part No.
Nosepiece 2.4	87-0016
Nosepiece 3/3.2	87-0017
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Jaws Set	87-0050
Mandrel Collector	87-0059
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Jaws Set for Stainless Rivets	87-0053
Extended 200 mm Front End	87-0190
Front End \varnothing 17 mm	87-0191
Extended 200 mm Front End \varnothing 17 mm	87-0192
Hydraulic Oil for Tool – 1 Litre	87-0188

Part No. 99-0022:N

RL 40N

Hydropneumatic tool for installation of blind rivets from 4 to 6.4 mm

Scope of use:

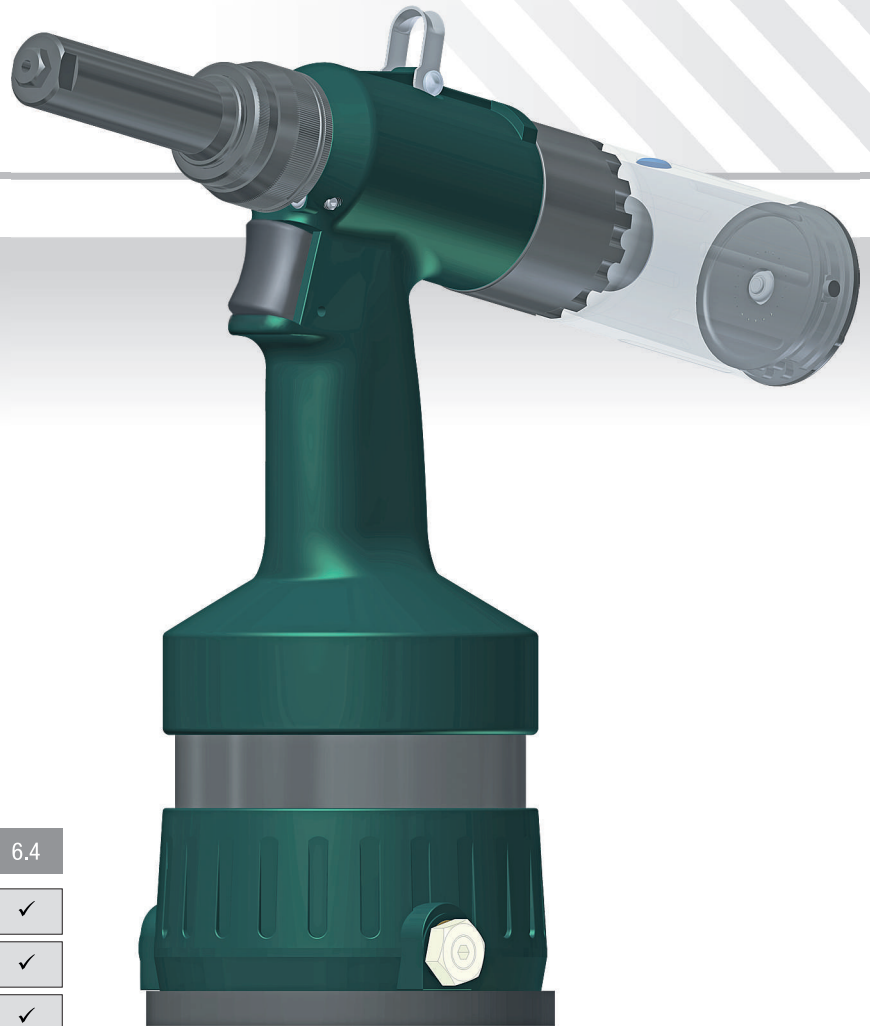
Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	✓
Stainless			✓	✓	✓	✓

Nosepieces included:

		✓	✓	✓	✓
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Technical parameters:

Model	RL 40N
Pulling Force	14.7 kN / 6 bar
Working Stroke	14 mm
Weight	2 kg
Force / Weight Ratio	7.35 kN/kg
Height	283 mm
Length	317 mm
Air Consumption	2 litres / rivet
Air Consumption / min	70 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



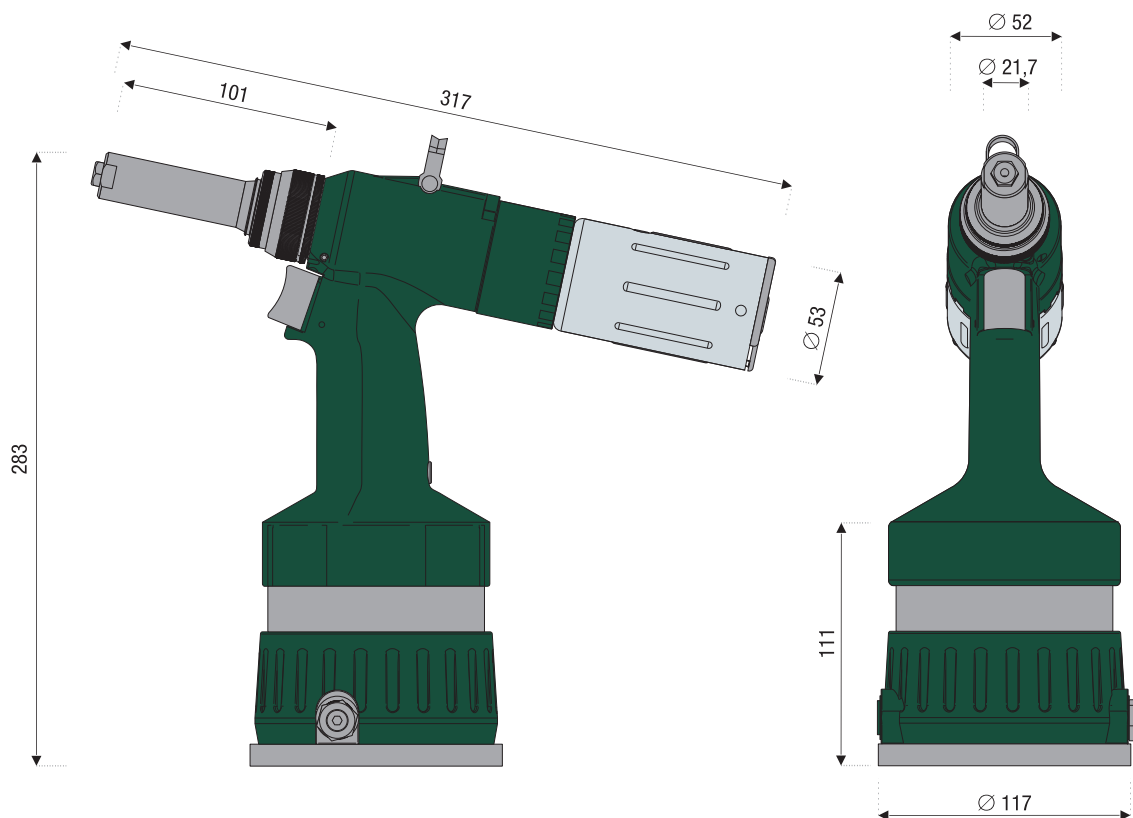
Description:

- quick-release collecting container
- quick release nose and pulling head
- robust construction
- smoothly adjusting vacuum control
- high output at small dimensions
- low noise
- simple operation and low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 40N



Standard accessories:

Description	Part No.
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Nosepiece 6	87-0020
Nosepiece 6.4	87-0021
Jaws (3-piece)	87-0052
Mandrel Collector	87-0495
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Ring Sensor	99-0124
Hydraulic Oil - 1 Litre	87-0188

RIVETEC

TITGEMEYER Group

Part No. 99-0022:i

RL 40i

Hydropneumatic tool for installation of blind rivets from 4 to 6.4 mm

Scope of use:

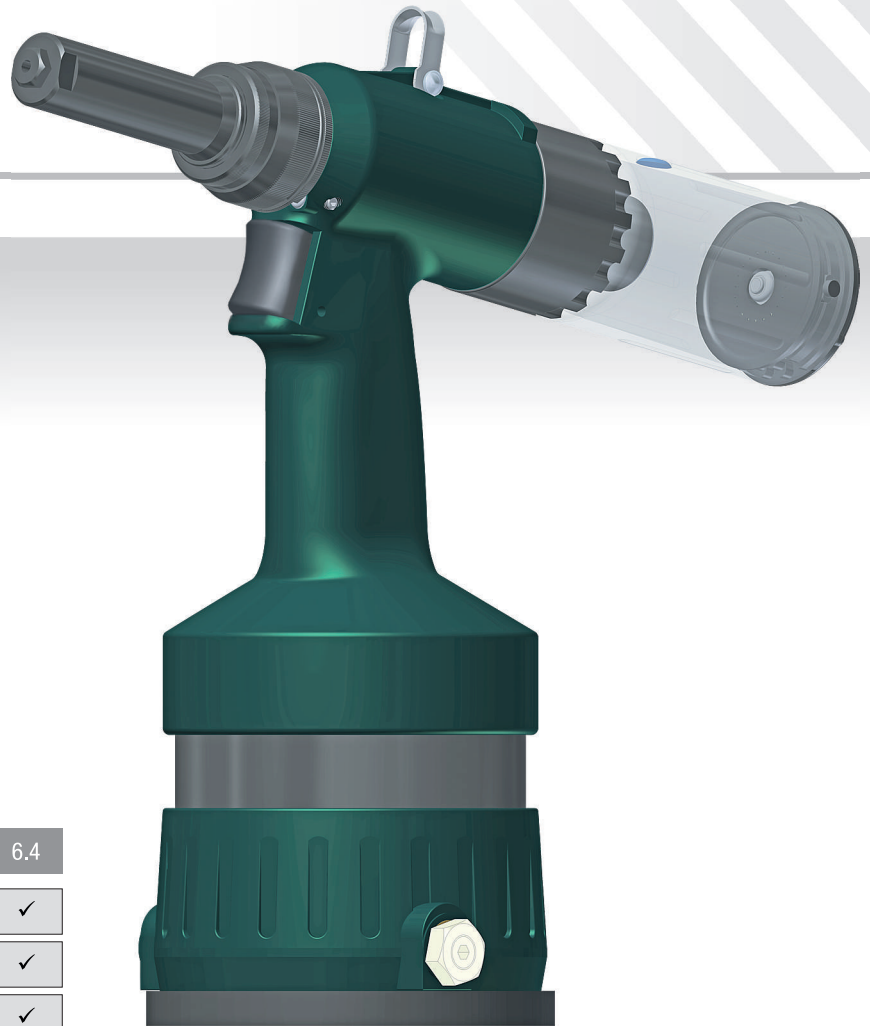
Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass			✓	✓	✓	✓
Steel			✓	✓	✓	✓
Stainless			✓	✓	✓	✓

Nosepieces included:

		✓	✓	✓	✓
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Technical parameters:

Model	RL 40i
Pulling Force	14.7 kN / 6 bar
Working Stroke	14 mm
Weight	2 kg
Force / Weight Ratio	7.35 kN/kg
Height	283 mm
Length	317 mm
Air Consumption	2 litres / rivet
Air Consumption / min	70 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



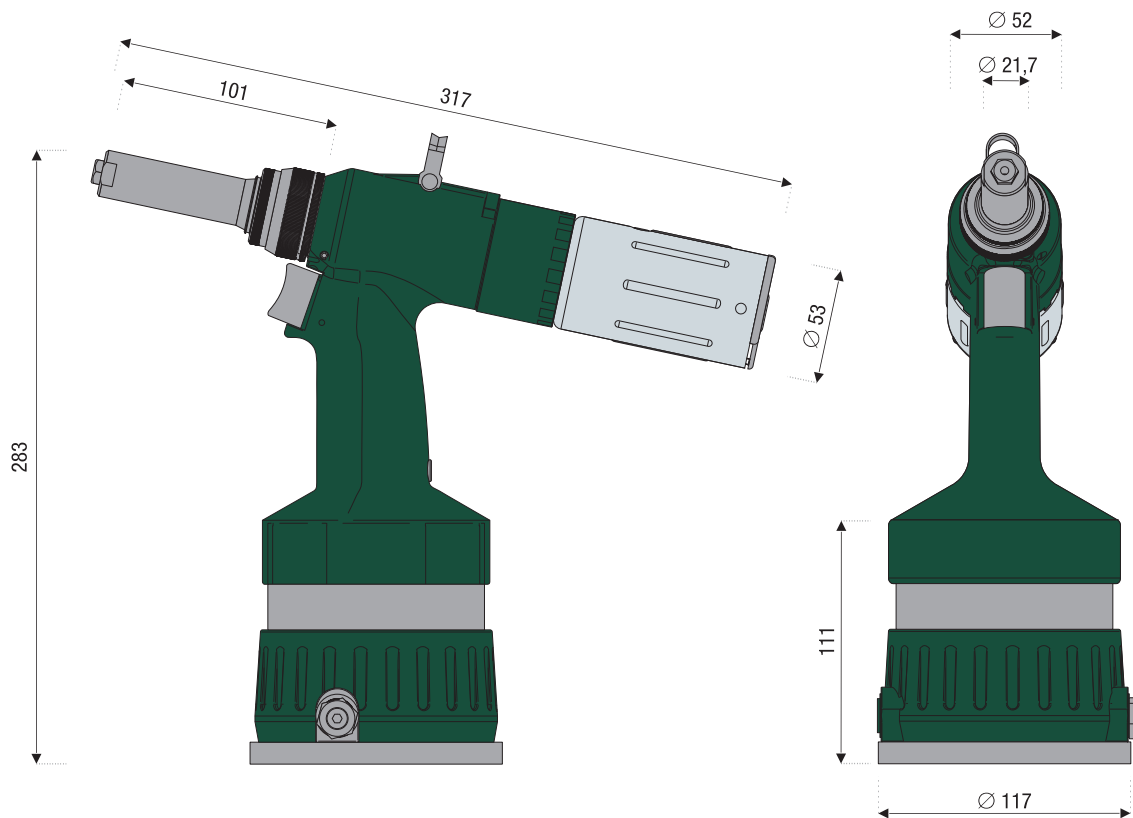
Description:

- quick-release collecting container
- quick release pulling head
- robust construction
- smoothly adjusting vacuum control
- high output at small dimensions
- low noise
- low maintenance
- simple operation
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- removable collecting container
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 40i



Standard accessories:

Description	Part No.
Nosepiece 4	87-0018
Nosepiece 4.8/5	87-0019
Nosepiece 6	87-0020
Nosepiece 6.4	87-0021
Jaws (3-piece)	87-0052
Mandrel Collector	87-0495
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Ring Sensor	99-0124
Hydraulic Oil - 1 Litre	87-0188

Part No. 99-0024

RL 50

Hydropneumatic tool for installation of rivet nuts and rivet studs from M3 to M12

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included		✓	✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	RL 50
Pulling Force	23.5 kN / 6 bar
Working Stroke	1.5–6.5 mm
Weight	2.2 kg
Force / Weight Ratio	10.68 kN/kg
Length	292 mm
Height	255 mm
Air Consumption	4.6 litres / rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



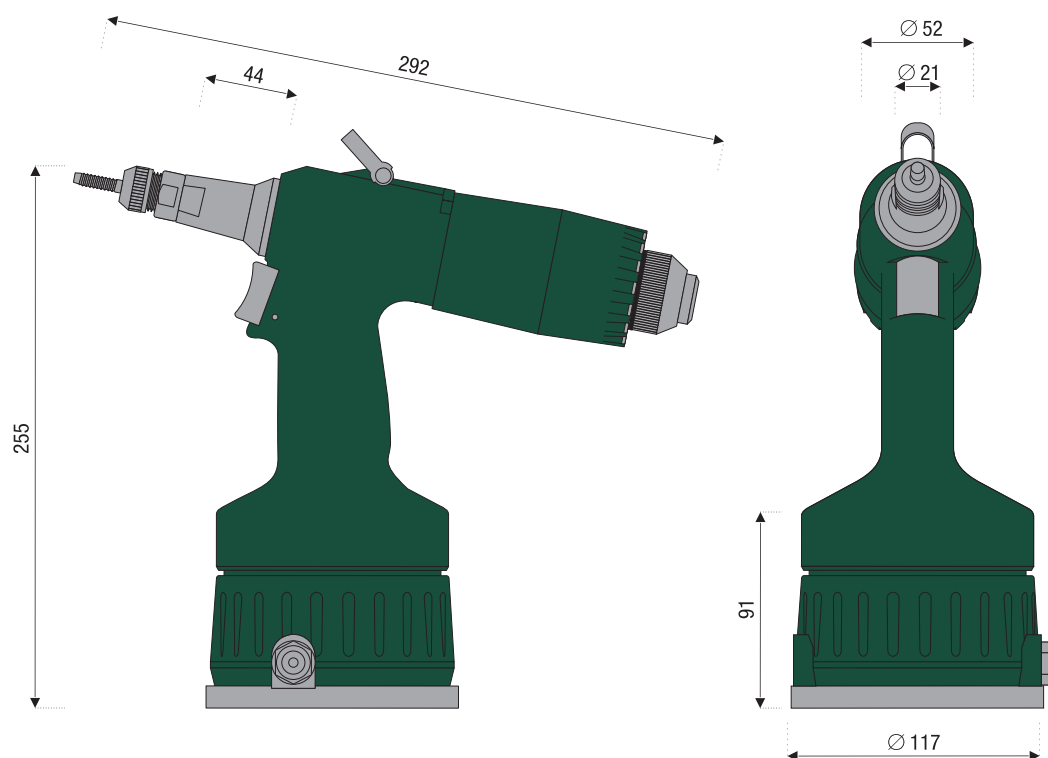
Description:

- high output at small dimensions
- one trigger control
- exact smooth stroke adjustment
- fastener spins off automatically
- button for manual spin-off
- simple operation
- low noise
- low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 50






Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
Front Stroke Adjustment	87-0497

Anvils, mandrels and pulling bolts:

RL 50			
M3		87-0026	87-0039
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

Part No. 99-0024:A

RL 50A

Hydropneumatic tool for installation of rivet nuts and rivet studs from M3 to M12 with "autospin" automatic spin-on feature

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included		✓	✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	RL 50A
Pulling Force	23.5 kN / 6 bar
Working stroke	2.5–6.5 mm
Weight	2.2 kg
Force / Weight Ratio	10.68 kN/kg
Length	292 mm
Height	255 mm
Air Consumption	4.6 litres / rivet
Working Air Pressure	5–7 bar
Hose connection	Ø 6 mm (G 1/4")



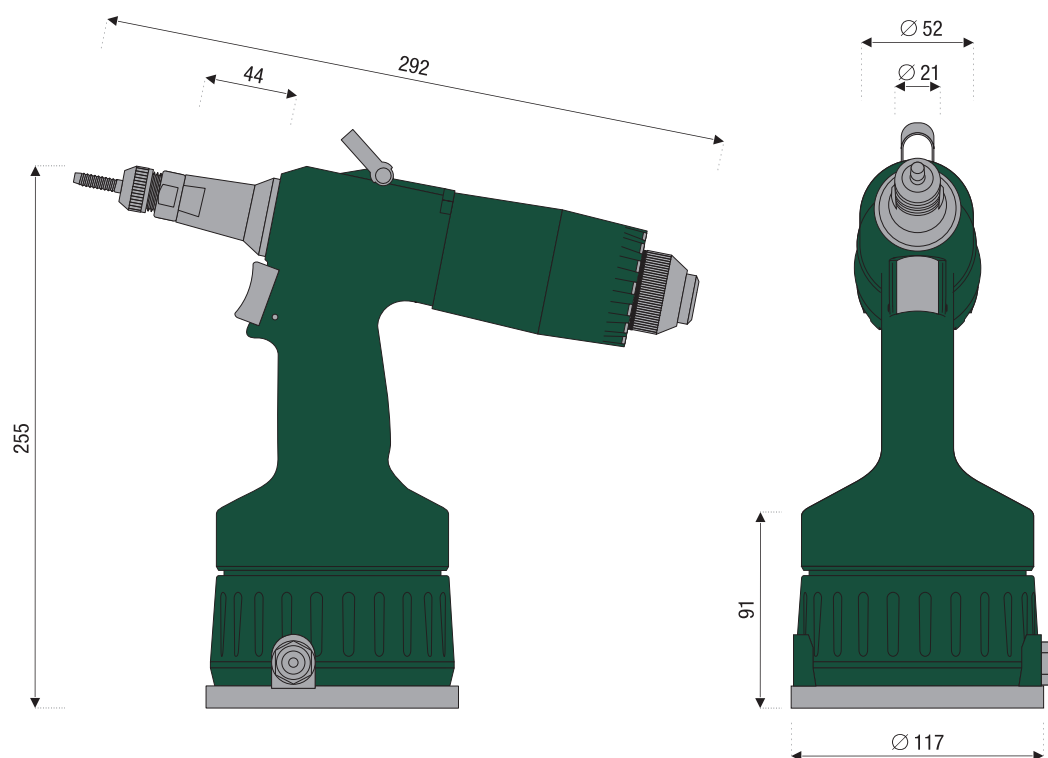
Description:

- autospin feature - push the mandrel to spin-on the fastener
- high output at small dimensions
- exact smooth stroke adjustment
- one trigger control
- button for manual spin-off
- fastener spins off automatically
- simple operation
- low noise
- low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 50A






Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
Front Stroke Adjustment	87-0497

Anvils, mandrels and pulling bolts:

RL 50A			
M3	87-0026	87-0039	
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

Part No. 99-0024:S

RL 50S

Hydropneumatic tool for installation of rivet nuts and rivet studs from M3 to M12 with easy stroke adjustment

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included		✓	✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	RL 50S
Pulling Force	23.5 kN / 6 bar
Working Stroke	1.5–6.5 mm
Weight	2.2 kg
Force / Weight Ratio	10.68 kN/kg
Length	292 mm
Height	255 mm
Air Consumption	4.6 litres / rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



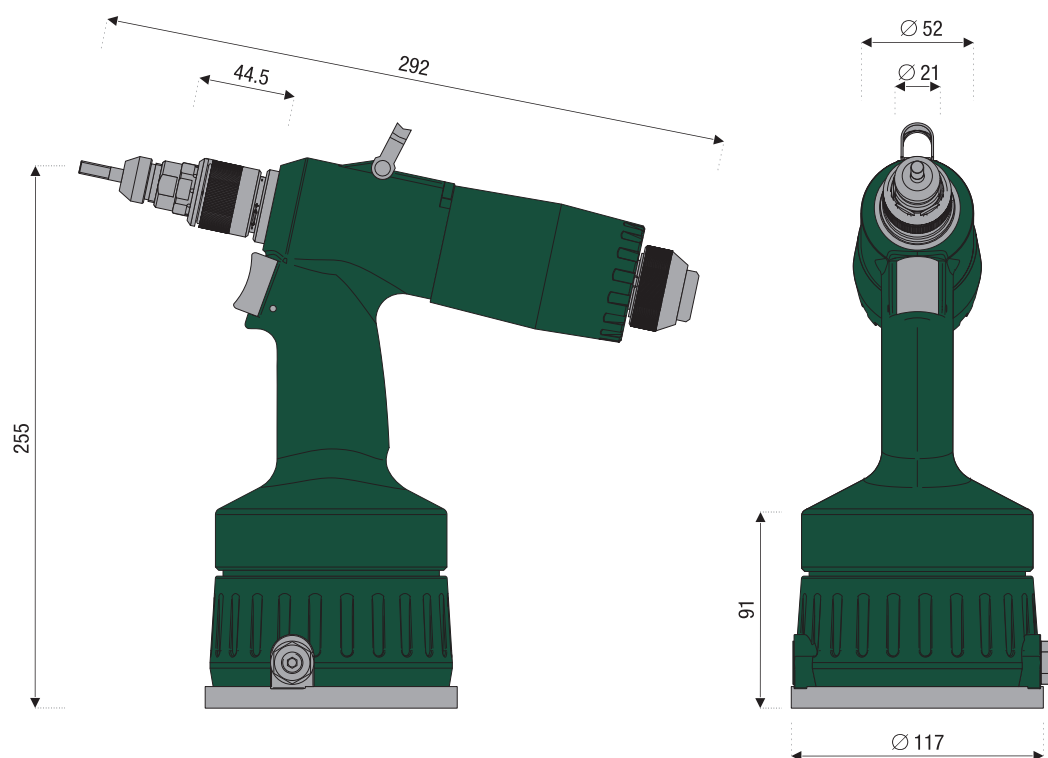
Description:

- high output at small dimensions
- one trigger control
- exact smooth stroke adjustment
- fastener spins off automatically
- button for manual spin-off
- simple operation
- low noise
- low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 50S






Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
Front Stroke Adjustment	87-0497

Anvils, mandrels and pulling bolts:

RL 50S			
M3	87-0026	87-0039	
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

Part No. 99-0024:AS

RL 50AS

Hydropneumatic tool for installation of rivet nuts & rivet studs from M3 to M12 with „*autospin*“ automatic spin-on feature and with easy stroke adjustment

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included		✓	✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	RL 50S
Pulling Force	23.5 kN / 6 bar
Working Stroke	2.5–6.5 mm
Weight	2.2 kg
Force / Weight Ratio	10.68 kN/kg
Length	292 mm
Height	255 mm
Air Consumption	4.6 litres / rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



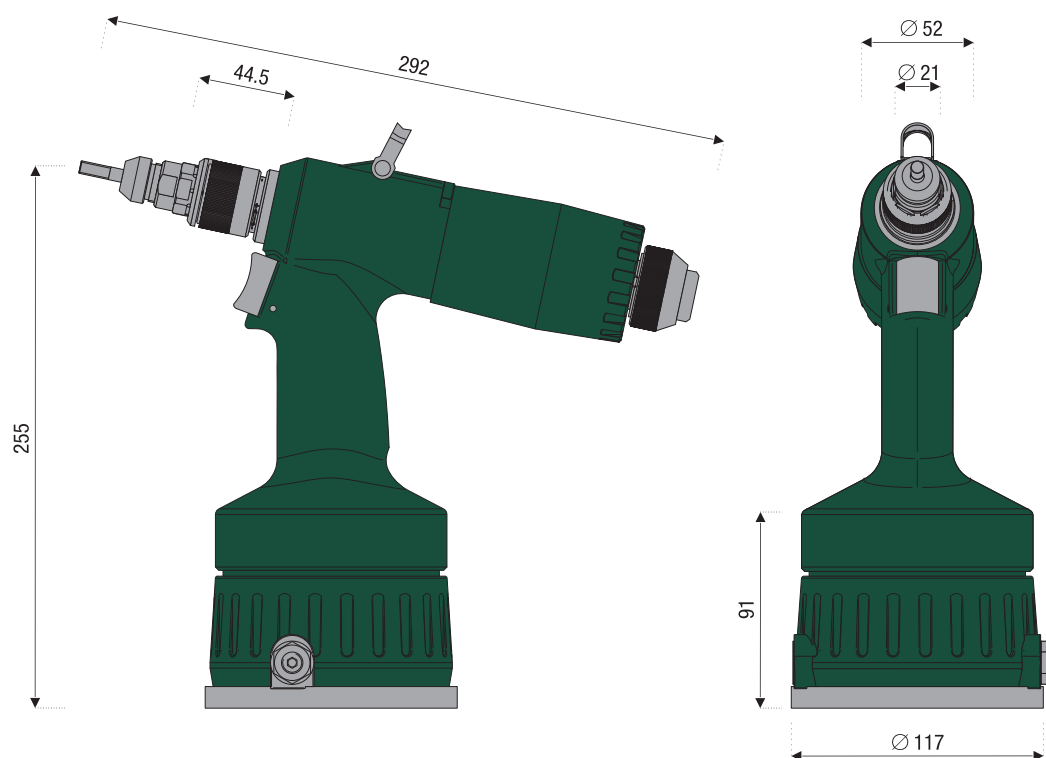
Description:

- autospin feature - push the mandrel to spin-on the fastener
- high output at small dimensions
- exact smooth stroke adjustment
- one trigger control
- button for manual spin-off
- fastener spins off automatically
- simple operation
- low noise
- low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 50AS






Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
Front Stroke Adjustment	87-0497

Anvils, mandrels and pulling bolts:

RL 50S			
M3	87-0026	87-0039	
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

Part No. 99-0023:N

RL 60N

Hydropneumatic tool for installation of blind rivets from 4 to 8 mm

Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

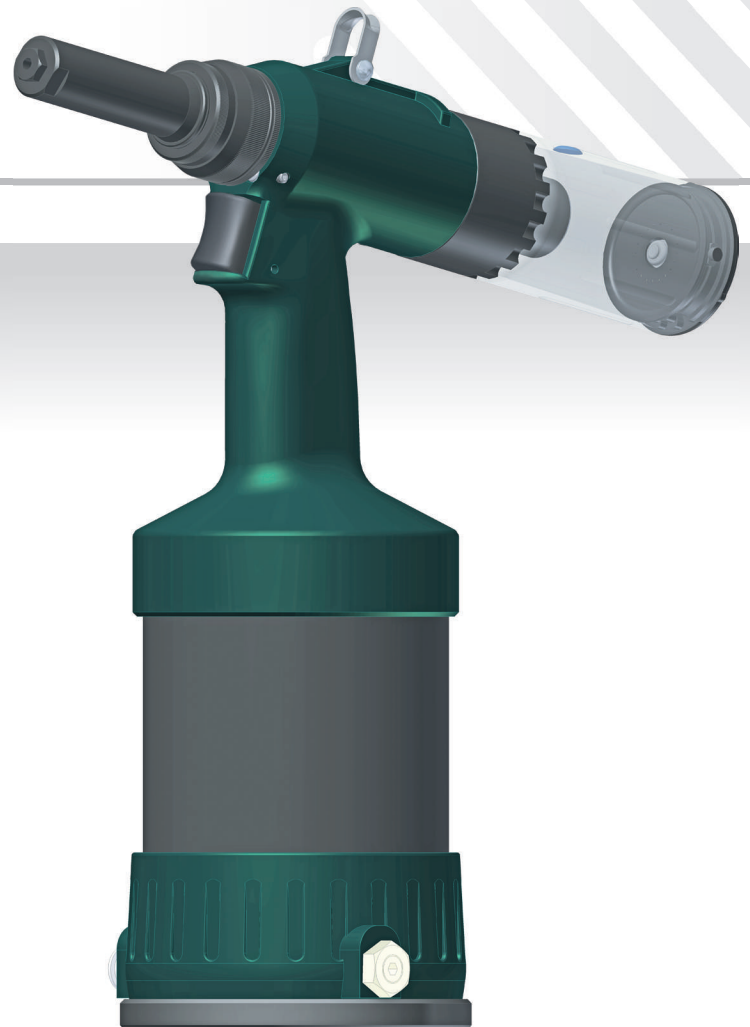
Nosepieces included:

	✓	✓	✓	✓	
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

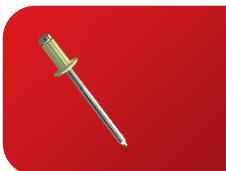
Technical parameters:

Model	RL 60N
Pulling Force	18.2 kN / 6 bar
Working Stroke	26 mm
Weight	2.6 kg
Force / Weight Ratio	7 kN/kg
Height	340 mm
Length	328 mm
Air Consumption	4.8 litres / rivet
Air Consumption / min	80 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



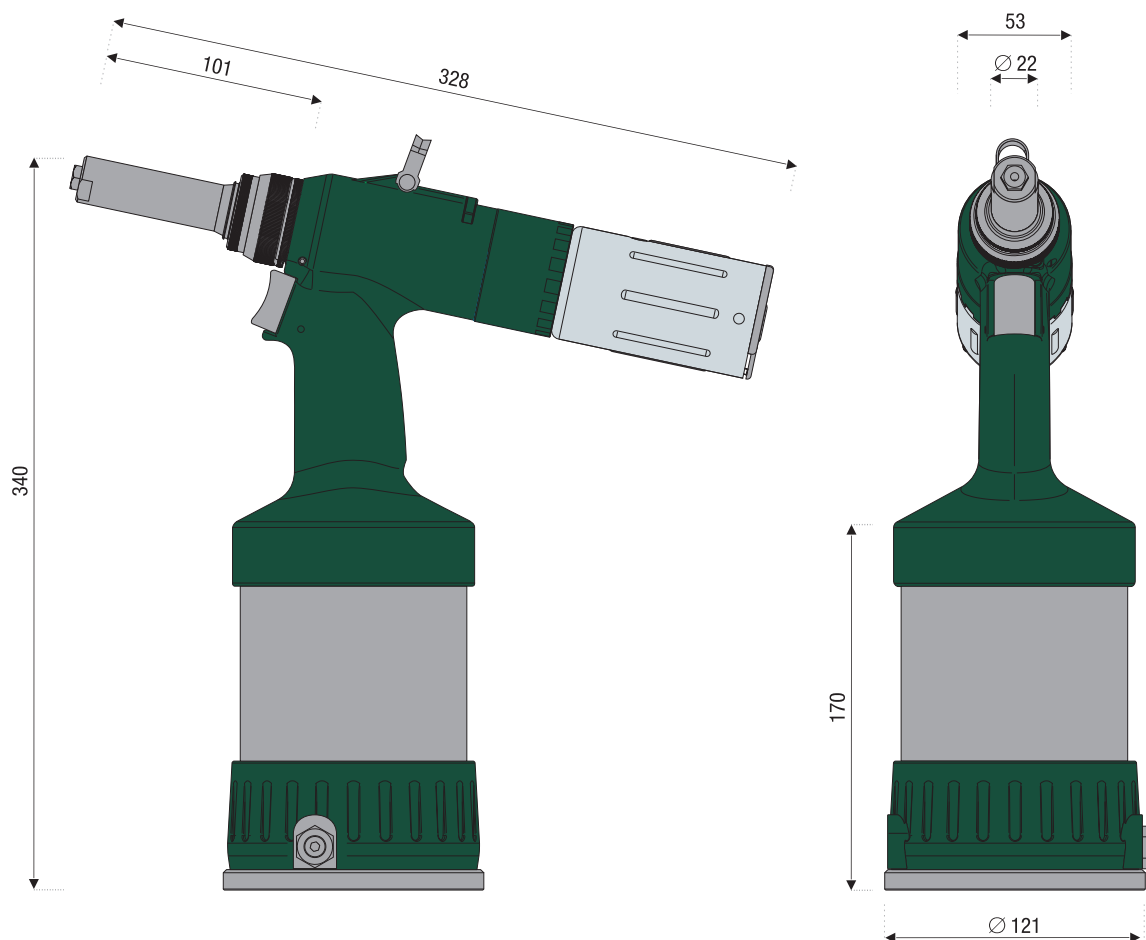
Description:

- use to install structural rivets
- high working stroke and pulling force
- smoothly adjusting vacuum control
- quick-release collecting container
- quick release nose and pulling head
- low noise
- simple operation and low maintenance
- ergonomic handle is comfortable to hold
- ergonomic trigger
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 60N



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 4.8/5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws (3-piece)	87-0051
Mandrel Collector	87-0495
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Rebuild Kit Gr. Rivets 0,8	87-0195
Ring Sensor	99-0124
Hydraulic Oil - 1 Litre	87-0188

Part No. 99-0023:i

RL 60i

Hydropneumatic tool for installation of blind rivets from 4 to 8 mm

Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

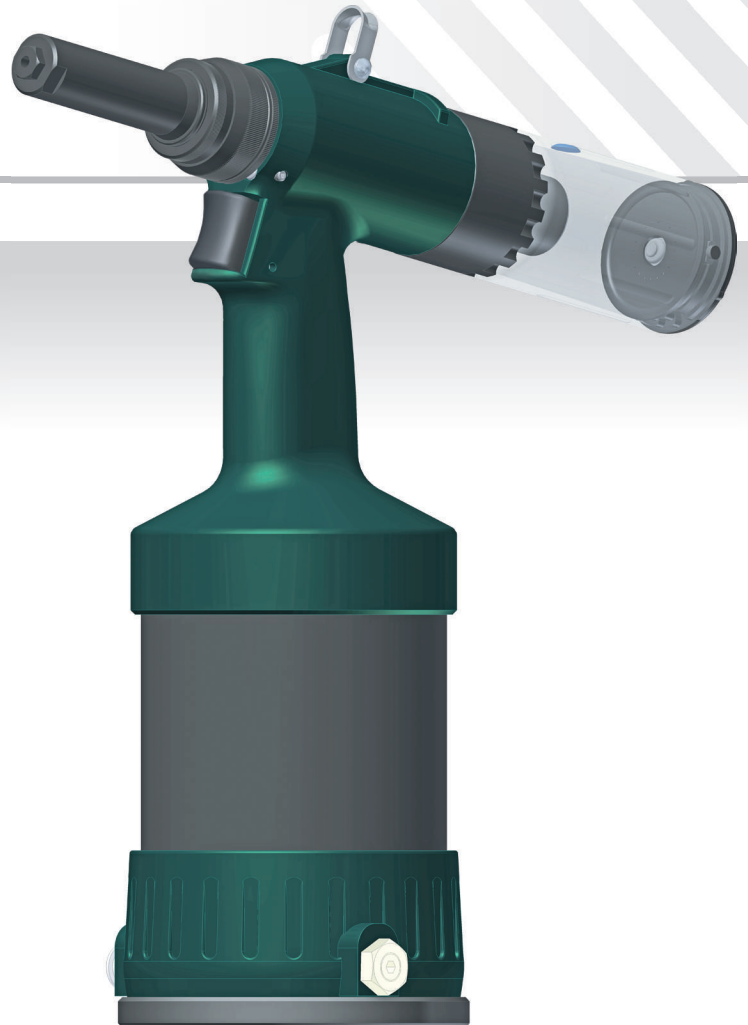
Nosepieces included:

	✓	✓	✓	✓	
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

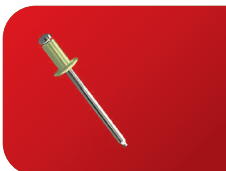
Technical parameters:

Model	RL 60i
Pulling Force	18.2 kN / 6 bar
Working Stroke	26 mm
Weight	2.6 kg
Force / Weight Ratio	7 kN/kg
Height	340 mm
Length	328 mm
Air Consumption	4.8 litres / rivet
Air Consumption / min	80 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



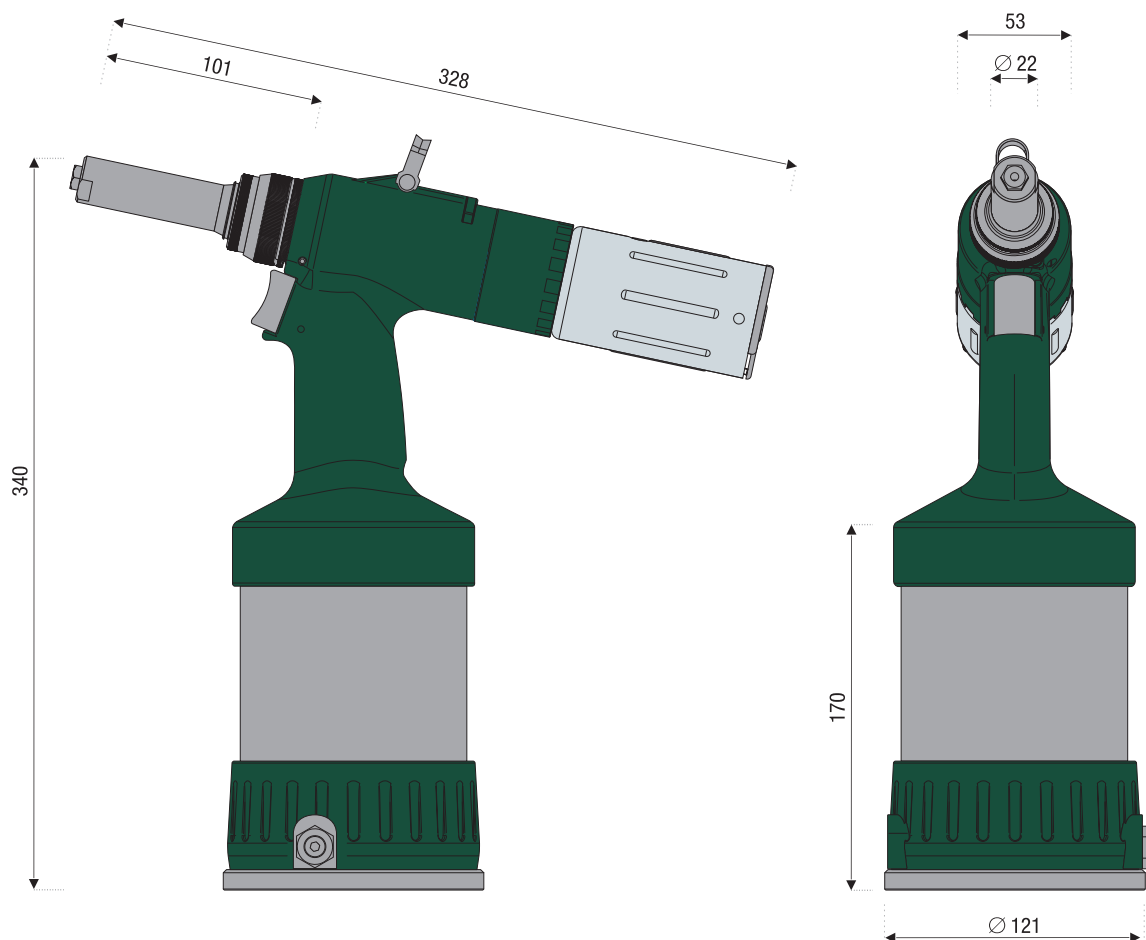
Description:

- use to install structural rivets
- high working stroke and pulling force
- smoothly adjusting vacuum control
- quick-release collecting container
- quick release pulling head
- low noise
- simple operation and low maintenance
- ergonomic handle is comfortable to hold
- ergonomic trigger
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- spare nosepieces on the bottom of the tool
- safety mechanism prevents mandrels ejection when collecting container is removed
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 60i



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 4.8/5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws (3-piece)	87-0051
Mandrel Collector	87-0495
Air Joint Assembly	87-0281
Oil Refill Set	87-0187

Optional accessories:

Description	Part No.
Rebuild Kit Gr. Rivets 0,8	87-0195
Ring Sensor	99-0124
Hydraulic Oil - 1 Litre	87-0188

Part No. 99-0025

RL100

Hydropneumatic tool for installation of rivet nuts and rivet studs from M6 to M16

Scope of use:

Rivet nuts	M6	M8	M10	M12	M14	M16
Aluminium, Brass	✓*	✓*	✓	✓	✓	✓
Steel	✓*	✓*	✓	✓	✓	✓
Stainless	✓*	✓*	✓	✓	✓	✓

Mandrels & anvils included

	✓	✓	✓		
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* including pulling bolts

Technical parameters:

Model	RL 100
Pulling Force	34 kN / 6 bar
Working Stroke	2.5–9 mm
Weight	2.9 kg
Force / Weight Ratio	11.72 kN/kg
Length	329 mm
Height	306 mm
Air Consumption	6.2 litres / rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



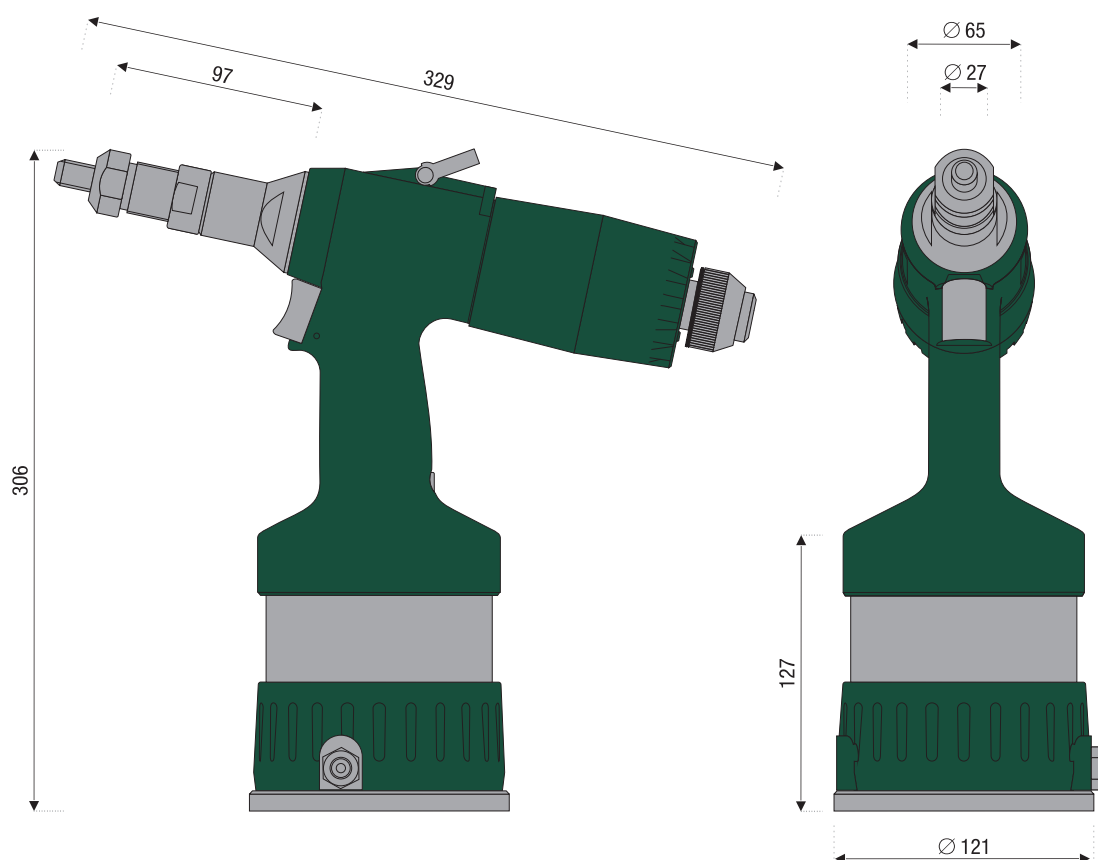
Description:

- the only tool with range M6–M16 worldwide
- high output at small dimensions
- one trigger control
- exact smooth stroke adjustment
- simple operation
- low noise
- low maintenance
- fastener spins off automatically
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- button for manual spin-off
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL100



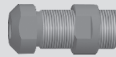

Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188

Anvils and mandrels:

RL100		
M6	87-0033	87-0288
M8	87-0034	87-0289
M10	87-0035	87-0290
M12	87-0036	87-0291
M14	87-0037	87-0292
M16	87-0038	87-0293

Part No. 99-0026

RL 75

Hydropneumatic tool for installation of lockbolt pins and collars and structural blind rivets

Scope of use:

Type of rivet	SRB (Lockbolt) Standard		SRB (Lockbolt) Multigrip		Hucktainer Plus	Blind rivets
	5	6/6.4	5	6.4		
Ø of the rivet	5	6/6.4	5	6.4	10	6.4*
Aluminium	✓	✓	✓	✓		✓
Steel	✓	✓	✓	✓	✓	✓
Stainless	✓	✓				✓

*structural blind rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

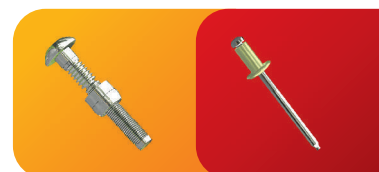
Technical parameters:

Model	RL 75
Pulling Force	22 kN / 6 bar
Working Stroke	16 mm
Weight	2.2 kg
Force / Weight Ratio	10 kN/kg
Length	235 mm
Height	319 mm
Air Consumption	2.8 litres / rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



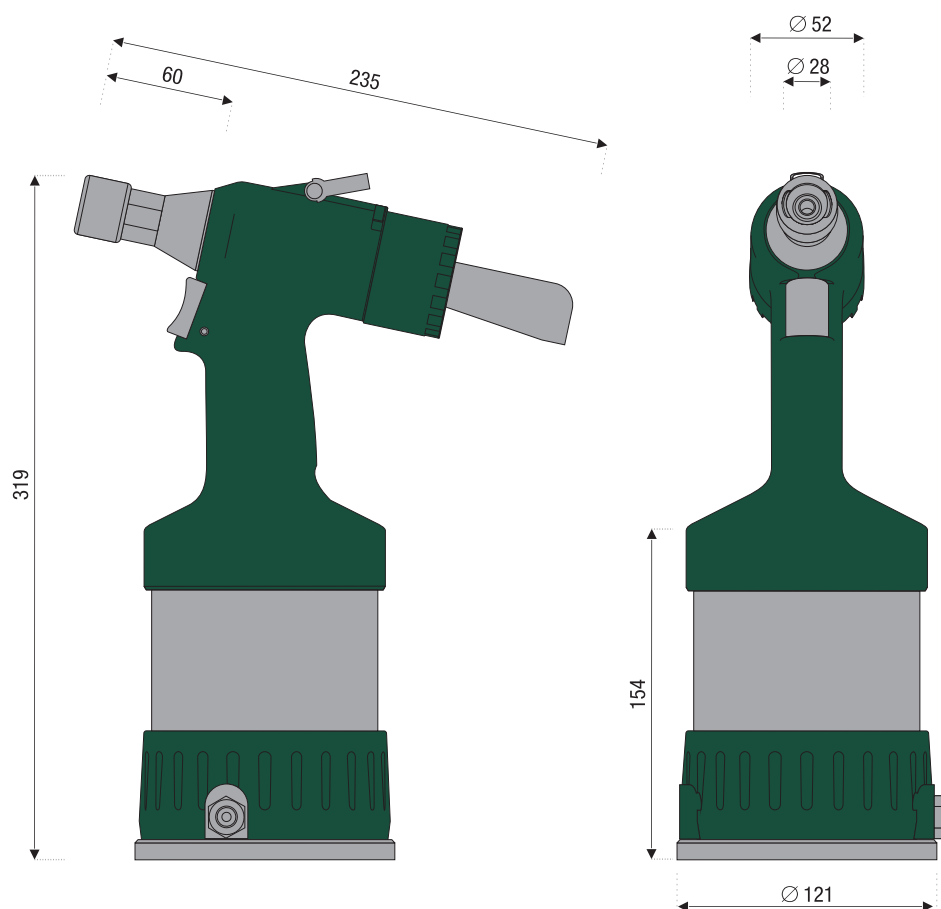
Description:

- high output
- speed damper
- removable collecting container or rubber boot
- low noise
- low maintenance
- simple operation
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- reliability verified in practice
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 75



Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187
Deflector	87-0062

Optional accessories:

Description	Part No.
Mandrel Collector Reinforced	87-0061
Ring Sensor	99-0125
Hydraulic Oil for Tool - 1 Litre	87-0188
Nose Assembly - Standard Lockbolt 6.5 mm	371705
Nose Assembly 6.5 mm	
Magna-lock, Magna-bulb, Tibulb	371815
Nose Assembly 7.8 mm	87-0294

Part No. 99-0084

RL 6100

Hydropneumatic hexagonal hole cutter

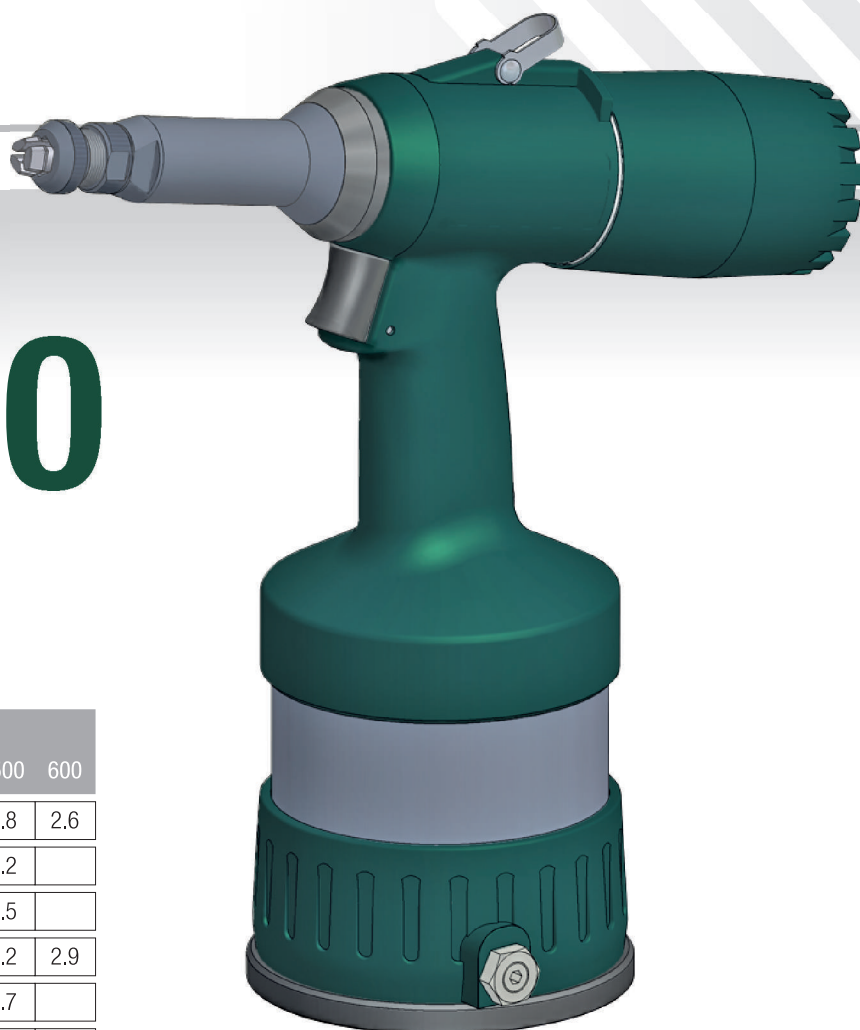
Scope of use:

	Strength of material (MPa)	Thickness of material (mm)					
		100	200	300	400	500	600
M8* Ø 11.1 mm	Steel			3.5	3.1	2.8	2.6
	Brass		4.1	3.7	3.5	3.2	
	Dural (Al)	4.6	4.2	3.9	3.7	3.5	
M6* Ø 9.1 mm	Steel			4.1	3.5	3.2	2.9
	Brass		4.8	4.4	4	3.7	
	Dural (Al)	5.5	5	4.6	4.3	4	
M5* Ø 7.1 mm	Steel			5	4.3	3.9	3.5
	Brass		5.9	5.3	4.9	4.5	
	Dural (Al)	6	6	5.6	5.2	4.9	
M4* Ø 6.1 mm	Steel			5.8	5	4.5	4
	Brass		6	6	5.7	5.3	
	Dural (Al)	6	6	6	6	5.7	

* size of rivet, hole before cutting

Technical parameters:

Model	RL 6100
Pulling Force	34 kN / 6 bar
Working Stroke	9 mm
Weight	2.9 kg
Force / Weight Ratio	11.72 kN/kg
Length	282 mm
Height	303 mm
Air Consumption	6.2 litres/hole
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



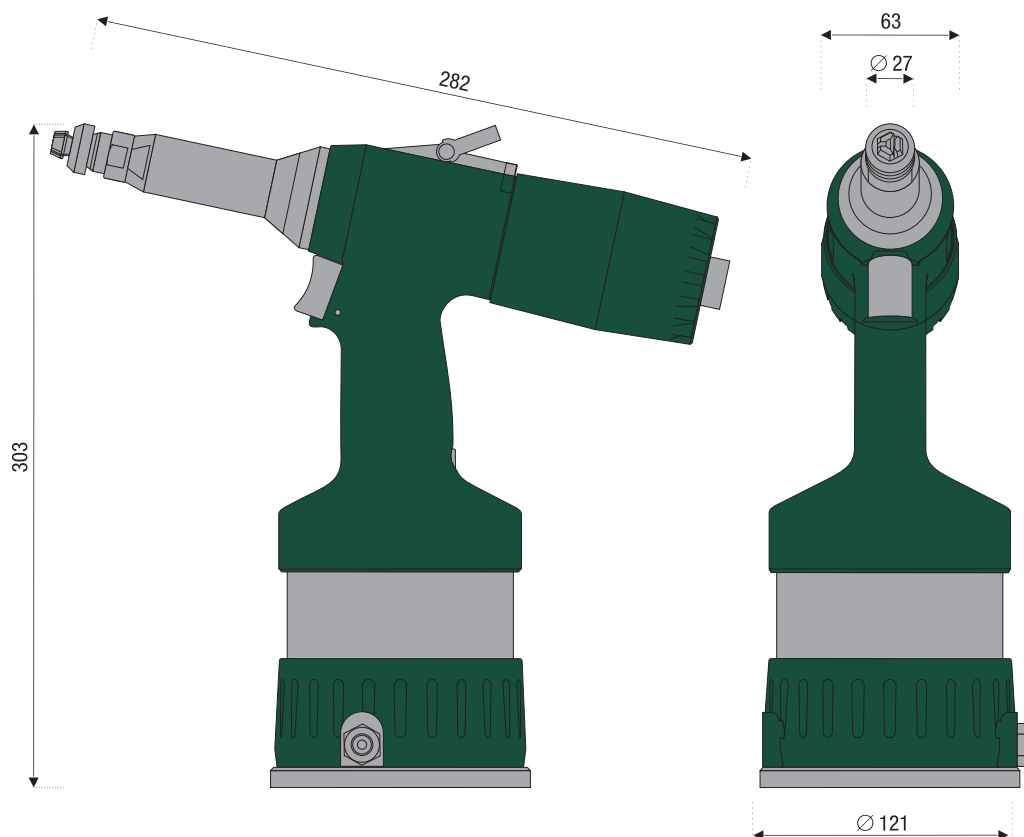
Description:

- high output at small dimensions
- control of the whole process with only one trigger
- robust construction
- simple operation
- simple exchange of cutters
- low noise
- low maintenance
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- balancer hook
- safety over-pressure dump valve
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

RL 6100



Standard accessories:

Description	Part No.
Cutter Kit for M4 up to 3 mm	87-0001
Cutter Kit for M5 up to 3 mm	87-0002
Cutter Kit for M6 up to 3 mm	87-0003
Cutter Kit for M8 up to 3 mm	87-0004
Cutter Kit for M5 up to 6 mm	87-0005
Cutter Kit for M6 up to 6 mm	87-0006
Cutter Kit for M8 up to 6 mm	87-0007
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188

Part No. 99-0123 / 99-0124

Ring Sensor

Ring sensor features transit sensor

Scope of use:

Type of tool	99-0123	99-0124
RL 20	✓	
RL 20A	✓	
RL 40, RL 40N, RL 40i		✓
RL 60, RL 60N, RL 60i		✓

Technical parameters:

Model	Ring Sensor
Setting Power	10÷30 V DC
Control Power	10÷30 V DC
Maximum Output	80 mA
Consumption in the Resting State at 24 V	11 mA
Minimum Time Signal	500 ms
Temperature Operating Conditions	10–40 °C
Dimensions 99-0123	118 × 53 mm
Dimensions 99-0124	139 × 53 mm

99-0123



99-0124



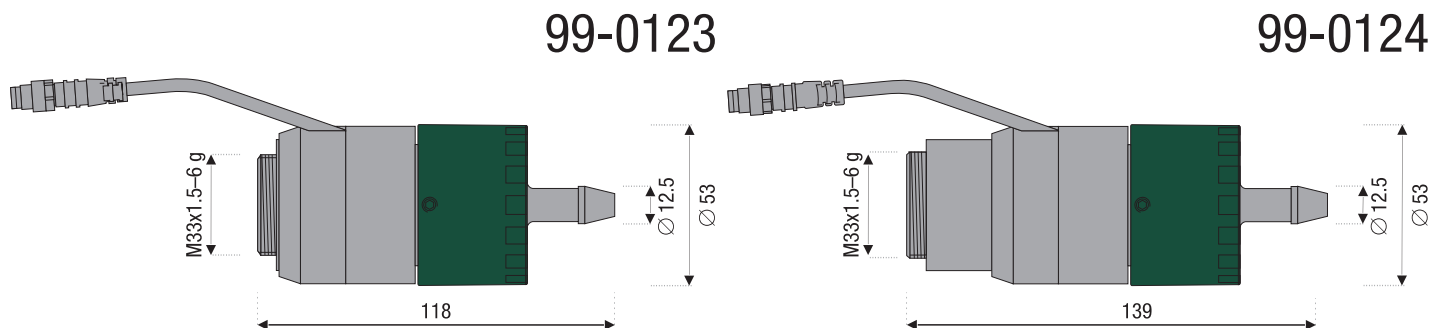
Description:

Ring Sensor works as transit sensor on the principle of induction. During the spent mandrel transit the sensor sends a signal to a higher level system. The signal can be used to count and monitor the riveting processes.

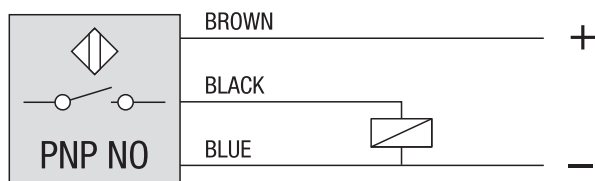
- easy assembly
- adapter for mandrel removal through a hose

Ring Sensor

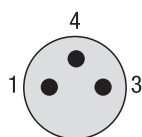
Dimensions of tool:



Connection:



Connection voltage:



View of male connector:

1 brown / +

3 blue / -

4 black / output PNP / NO

Accessories:

Description	Part No.
Adapter for removal through a hose	87-0208
Collecting container	87-0287



Part No. 99-0105

TC 20

Riveting tool with process control
for installation of blind rivets from 2.4 to 5 mm

Scope of use:

Ø of the rivet	2.4	3 / 3.2	4	4.8 / 5	6	6.4
Aluminium, Copper, Brass	✓	✓	✓	✓		
Steel	✓	✓	✓	✓		
Stainless	✓	✓	✓	✓		

Nosepieces included:

	✓	✓	✓		
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Technical parameters:

Model	TC 20
Pulling Force	12.5 kN / 6 bar
Working Stroke	15.8 mm
Weight	2.4 kg
Force / Weight Ratio	8.12 kN/kg
Height	274 mm
Length	362 mm
Air Consumption	2 litres/rivet
Air Consumption / min	70 litres / min
Working Air Pressure	7 bar
Hose Connection	Ø 6 mm (G 1/4")



Description:

- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process

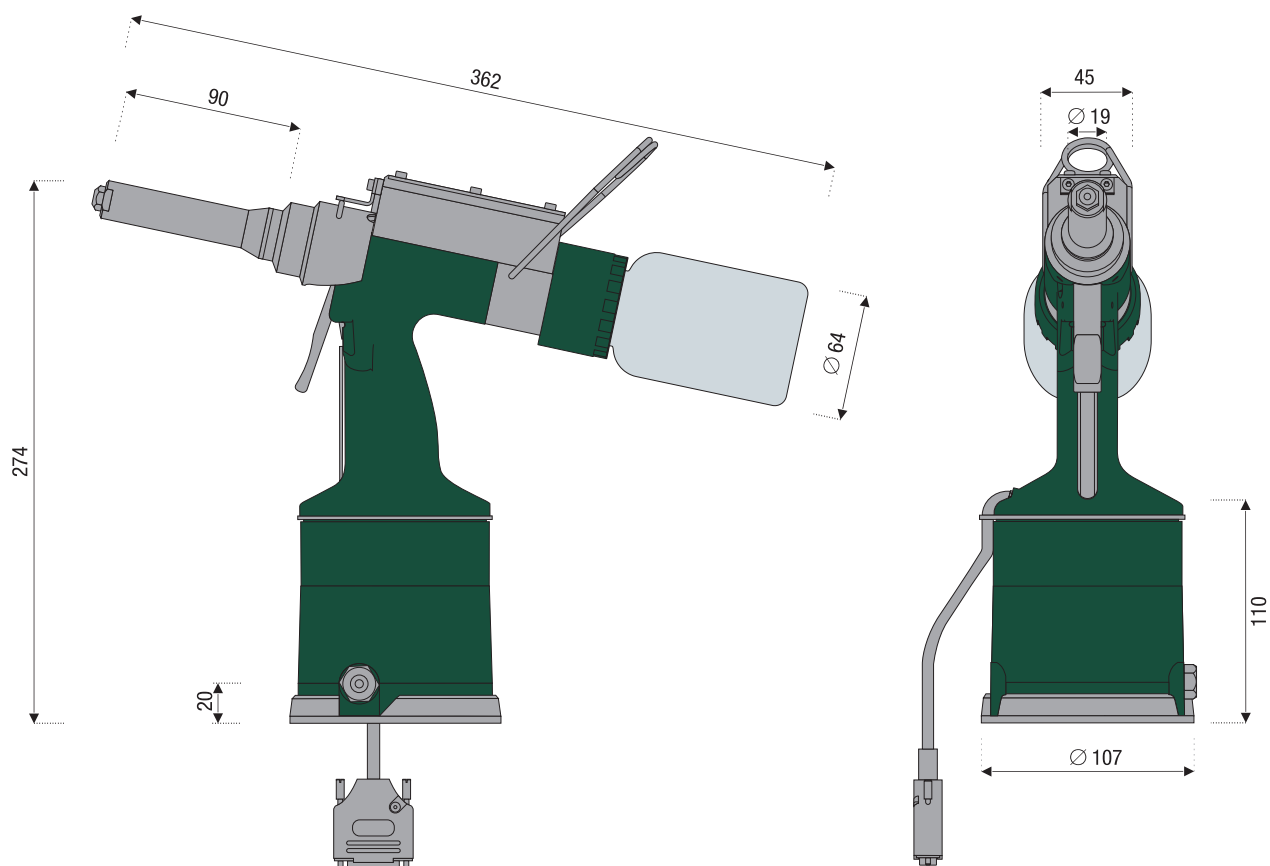
TC system indicates:

- Missing rivet
 - Wrong type of rivet
 - Damaged rivet
 - Missing material
 - Wrong setting of rivet
 - Wrong alignment of material
 - Damaged or defective equipment
- chip for automatic evaluation adjustment in evaluation unit
 - air automatically shut off when not in use - minimising air consumption and operating costs
 - low noise
 - simple operation, reliability
 - large range of additional equipment
 - ergonomic handle is comfortable to hold
 - low transferred vibrations
 - rotating air joint connection
 - air intake can be moved to suit either left or right handed operator
 - quick release collecting container with adjustable air exhaust
 - safety mechanism prevents mandrels ejection when collecting container is removed
 - balancer hook
 - base cover prevents damage to workpiece
 - spare nosepieces on the bottom of the tool
 - non slip base
 - safety over-pressure dump valve
 - reliability verified in practice



Dimensions of tool:

TC 20



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 4.8/5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws Set	87-0051
Mandrel Collector	87-0287
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
KRB 010	87-0147
Connecting Cable 3 m	87-0295

Part No. 99-0143

TC 50

Riveting tool with process control for installation of rivet nuts and rivet studs from M3 to M12

Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included:		✓	✓	✓	✓	✓	
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* including pulling bolts

Technical parameters:

Model	TC 50
Pulling Force	23.5 kN / 6 bar
Working Stroke	1.5–6.5 mm
Weight	2.2 kg
Force / Weight Ratio	10.68 kN/kg
Height	291 mm
Length	253 mm
Air Consumption	4.6 litres/rivet
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")



Description:

- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process

TC system indicates:

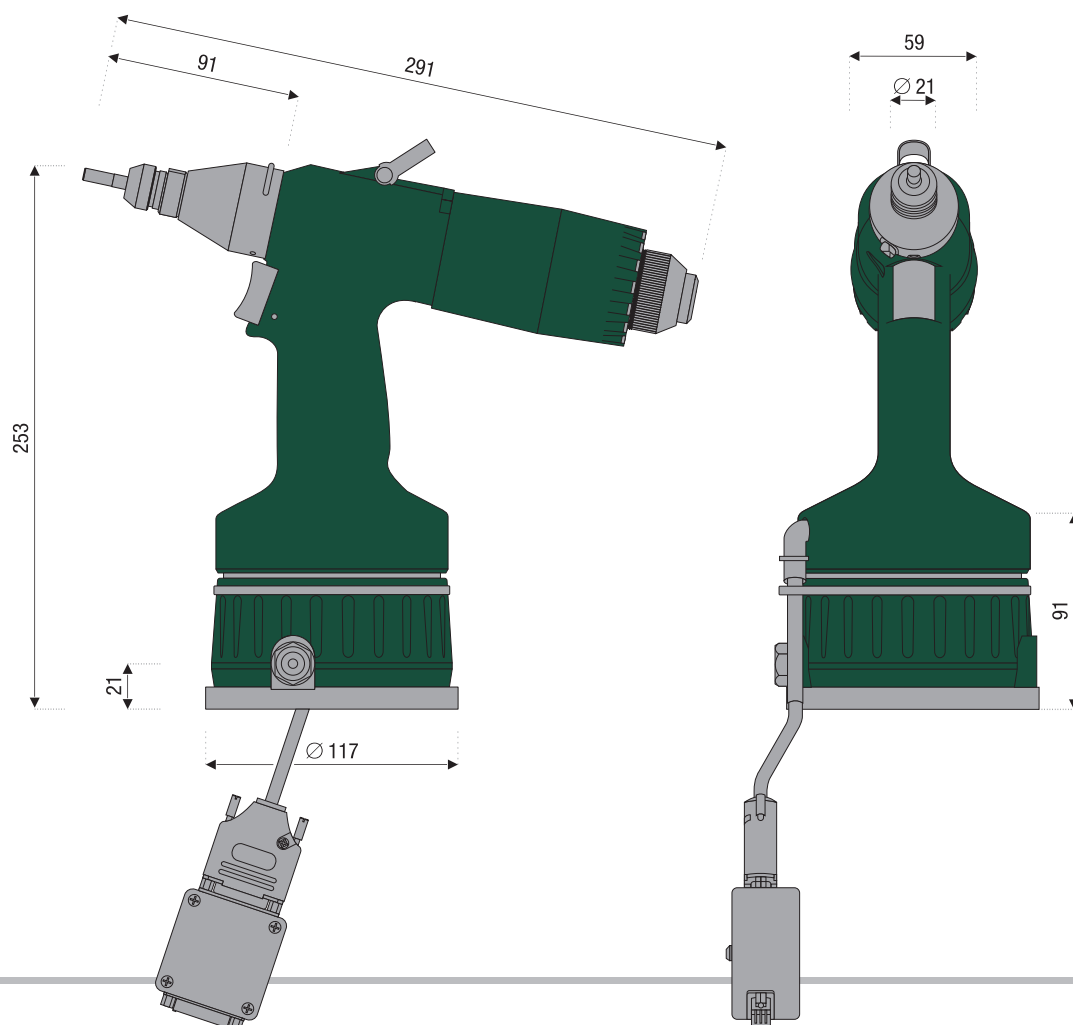
- Missing rivet
- Wrong type of rivet
- Damaged rivet
- Missing material
- Wrong setting of rivet
- Wrong alignment of material
- Damaged or defective equipment

- chip for automatic evaluation adjustment in evaluation unit
- high output at small dimensions
- one trigger control
- exact smooth stroke adjustment
- simple operation, reliability
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- button for manual spin-off
- balancer hook
- safety over-pressure dump valve
- low noise
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

TC 50






Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
KRB 010	99-0147
Connecting Cable 3 m	87-0295

Anvils, mandrels and pulling bolts:

	TC 50			
M3	87-0026	87-0039		
M4	87-0027	87-0040	87-0046	
M5	87-0028	87-0041	87-0047	
M6	87-0029	87-0042	87-0048	
M8	87-0030	87-0043	87-0049	
M10	87-0031	87-0044		
M12	87-0032	87-0045		





Part No. 99-0126

TC 60

Riveting tool with process control for installation of blind rivets from 4 to 8 mm

Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

Nosepieces included:

	✓	✓	✓	✓	
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Technical parameters:

Model	TC 60
Pulling Force	18.2 kN / 6 bar
Working Stroke	26 mm
Weight	3.4 kg
Force / Weight Ratio	7 kN/kg
Height	340 mm
Length	360 mm
Air Consumption	4.8 litres/rivet
Air Consumption / min	80 litres / min
Working Air Pressure	5–7 bar
Hose Connection	Ø 6 mm (G 1/4")

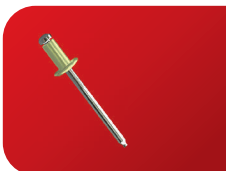
Description:

- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process

TC system indicates:

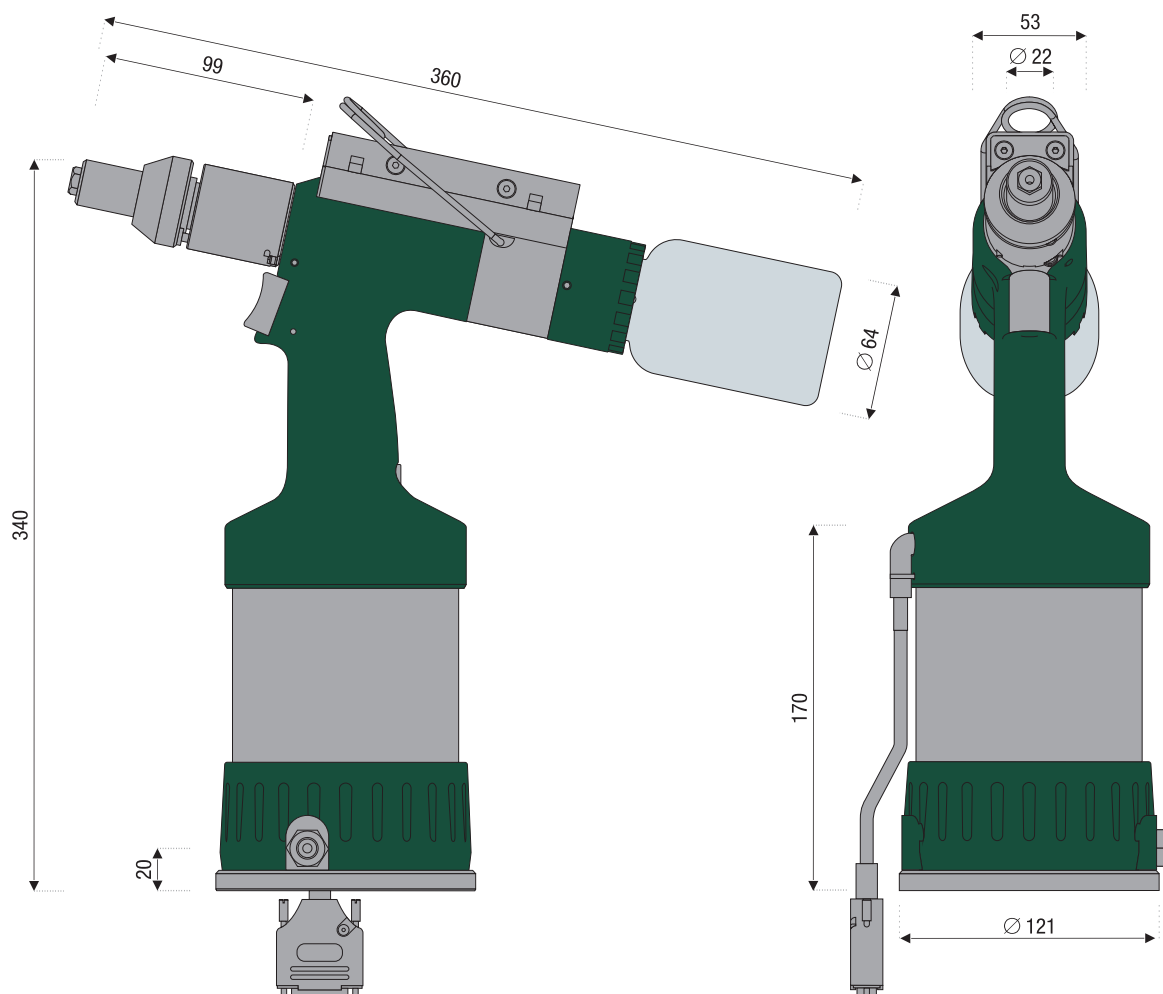
- Missing rivet
- Wrong type of rivet
- Damaged rivet
- Missing material
- Wrong setting of rivet
- Wrong alignment of material
- Damaged or defective equipment

- chip for automatic evaluation adjustment in evaluation unit
- high output
- high working stroke
- for structural and high strength rivets
- low noise
- simple operation, reliability
- ergonomic handle is comfortable to hold
- low transferred vibrations
- rotating air joint connection
- air intake can be moved to suit either left or right handed operator
- removable collecting container
- balancer hook
- spare nosepieces on the bottom of the tool
- safety over-pressure dump valve
- non slip base
- base cover prevents damage to workpiece



Dimensions of tool:

TC 60



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 4.8/5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws Set	87-0051
Mandrel Collector	87-0287
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Set for Structural Rivets with Grooved Mandrel	87-0195
Mandrel Collector Reinforced	87-0061
Connecting Cable 3 m	87-0295
Hydraulic Oil for Tool - 1 Litre	87-0188

Part No. 99-0144

TC 75

Riveting tool with proces control for installation of lockbolts and structural blind rivets

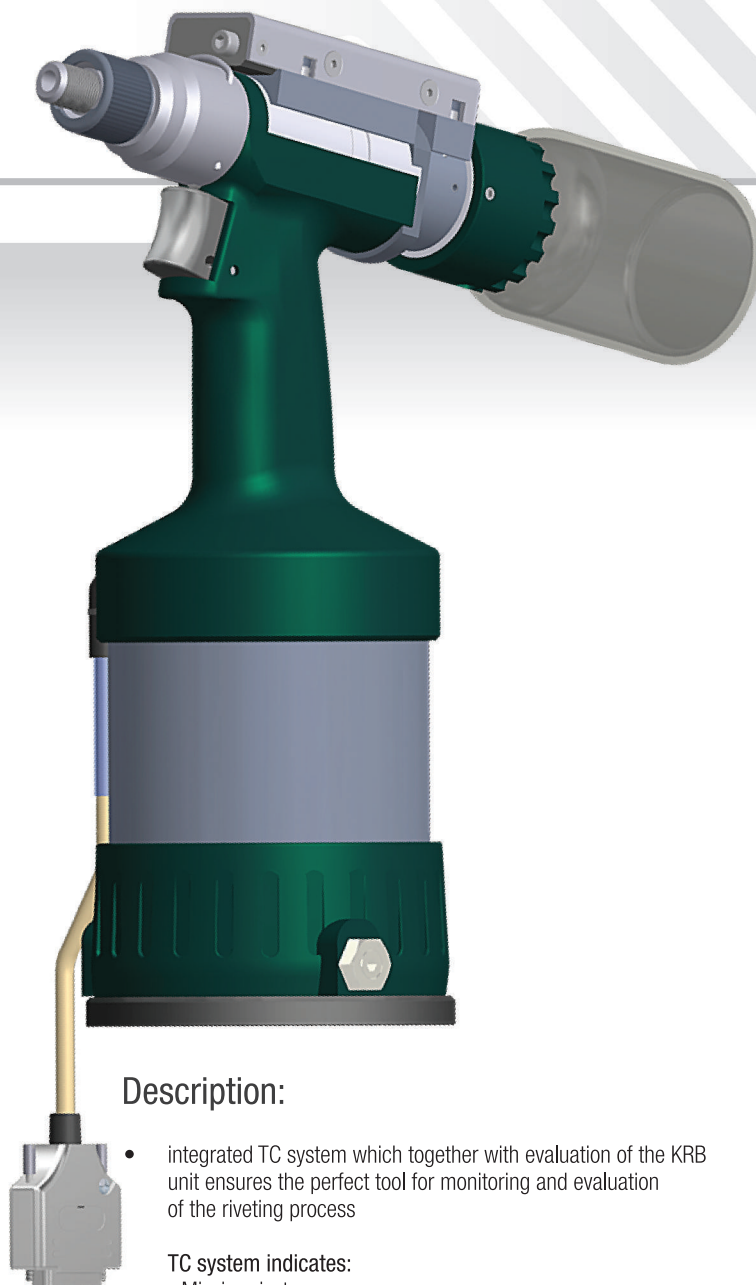
Scope of use:

Type of rivet	SRB (Lockbolt) Standard		SRB (Lockbolt) Multigrip		Hucktainer Plus	Blind rivets
	5	6/6.4	5	6.4		
Ø of the rivet	5	6/6.4	5	6.4	10	6.4*
Aluminium	✓	✓	✓	✓		✓
Steel	✓	✓	✓	✓		✓
Stainless	✓	✓				✓

*structural blind rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Technical parameters:

Model	TC 75
Pulling Force	22 kN / 6 bar
Working Stroke	16 mm
Weight	2.8 kg
Force / Weight Ratio	10 kN/kg
Length	306 mm
Height	330 mm
Air Consumption	2.8 litres / rivet
Working Air Pressure	7 bar
Hose Connection	Ø 6 mm (G 1/4")



Description:

- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process

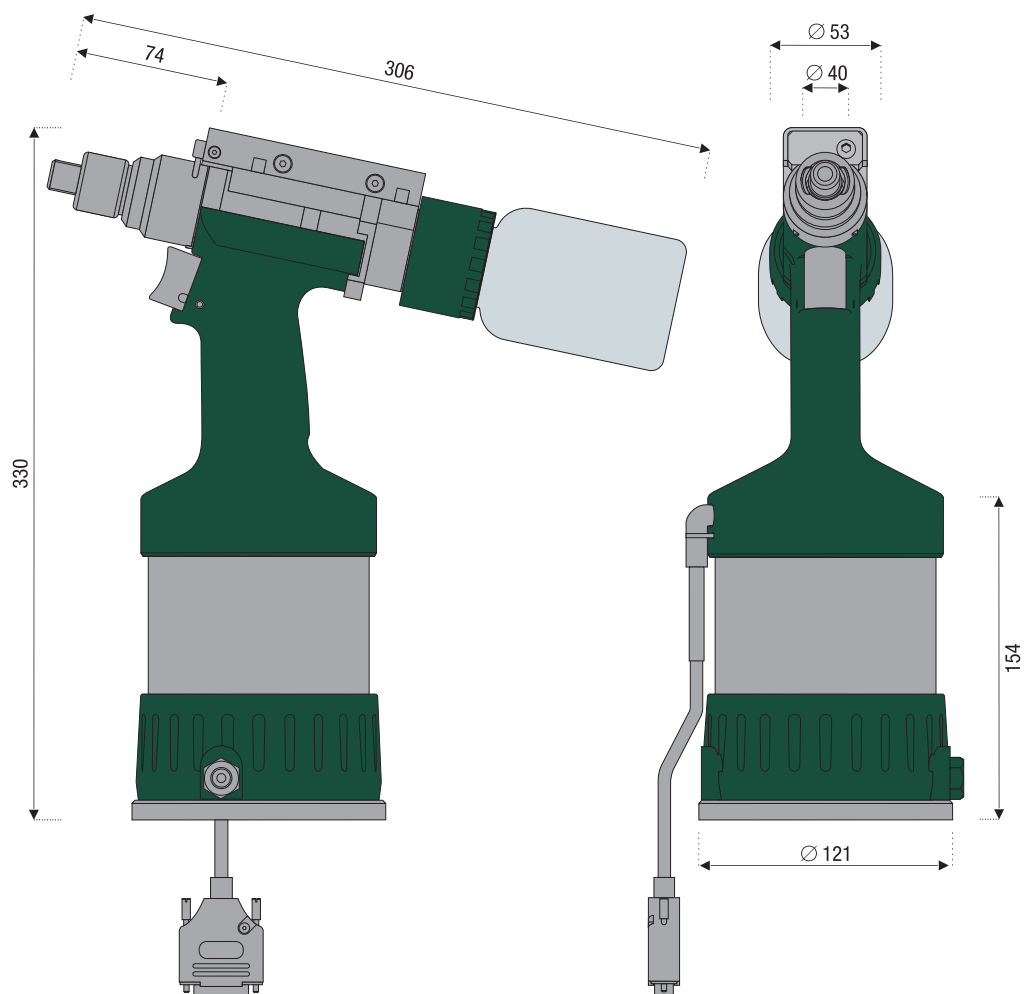
TC system indicates:

- Missing rivet
 - Wrong type of rivet
 - Damaged rivet
 - Missing material
 - Wrong setting of rivet
 - Wrong alignment of material
 - Damaged or defective equipment
- chip for automatic evaluation adjustment in evaluation unit
 - high output and reliability verified in practice
 - speed damper
 - removable collecting container or rubber boot
 - low noise
 - simple operation
 - ergonomic handle is comfortable to hold
 - low transferred vibrations
 - rotating air joint connection
 - air intake can be moved to suit either left or right handed operator
 - base cover prevents damage to workpiece
 - balancer hook
 - safety over-pressure dump valve
 - non slip base



Dimensions of tool:

TC 75



Standard accessories:

Description	Part No.
Air Joint Assembly	87-0281
Kit for Refilling of Oil	87-0187

Optional accessories:

Description	Part No.
Hydraulic Oil for Tool - 1 Litre	87-0188
KRB 010	99-0147
Connecting Cable 3 m	87-0295

Part No. 99-0147

KRB 010

Evaluating unit for tools with TC system



Scope of use:

Riveting tool
TC 20
TC 50
TC 60
TC 75
HHTC 50
HHTC 60

Technical parameters:

Model	KRB 010
Supply DC current	24 V / 6 bar
Connection of Tool	connector 25 pins
Weight	7.2 kg
Dimensions	300 × 300 × 200 mm
Communications	ethernet, CAN

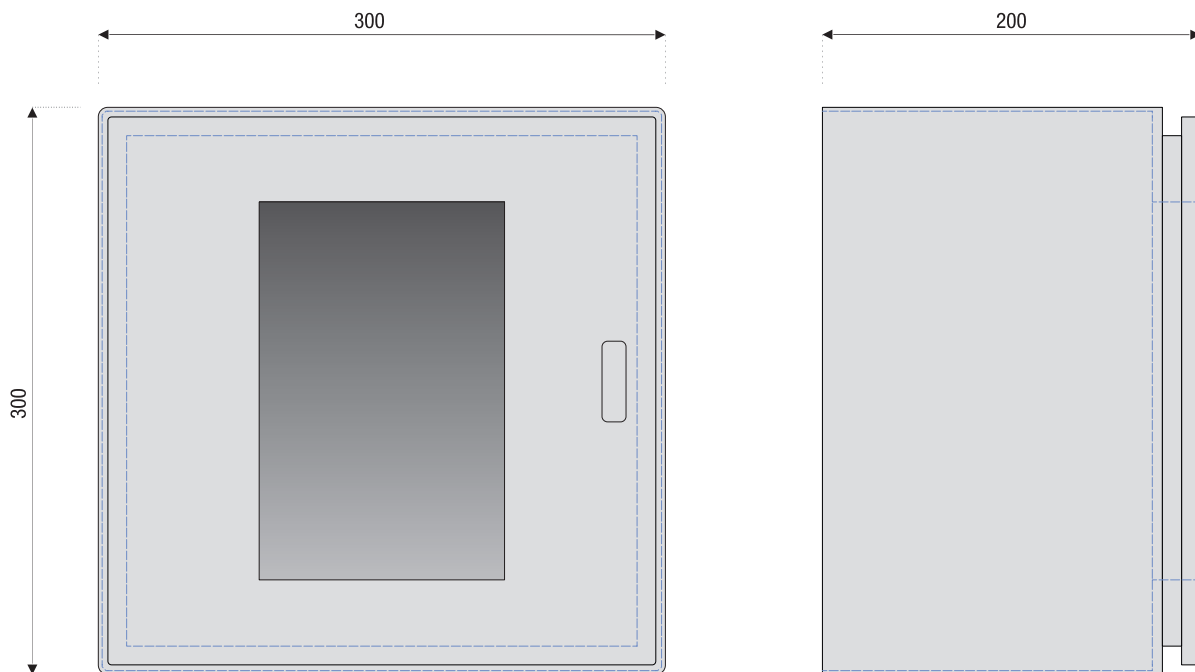
Description:

- output - OK, NOK
- input - the switching of condition settings for evaluation of the riveting process - as many as seven different settings
- automatic setting of the sensor values when connecting a tool
- slot for storage of data on MMC card
- storage of data into PC
- connection to PC through Ethernet or CAN
- intuitive software for setting the conditions for evaluation of the riveting process
- identification of the status on the PLC* display - OK, NOK, number of cycles

* PLC: programmable logic center

Dimensions:

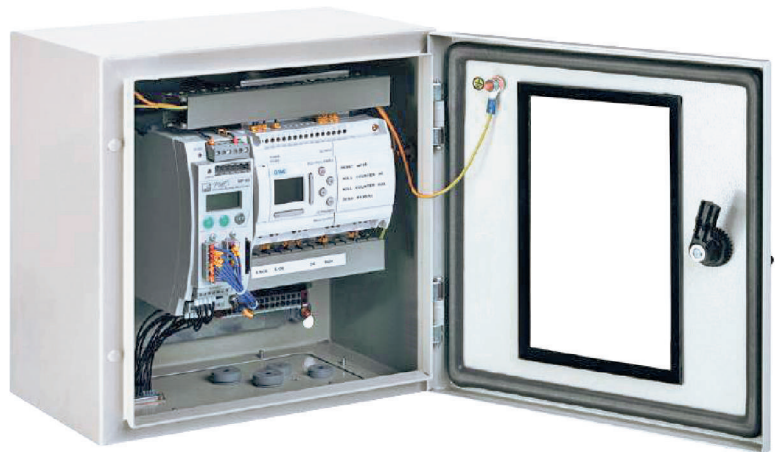
KRB 010



Part No. 99-0184

KRB 009DP

Evaluating unit for tools with TC system



Scope of use:

Riveting tool
TC 20
TC 50
TC 60
TC 75
HHTC 50
HHTC 60

Technical parameters:

Model	KRB 010
Supply DC current	24 V / 6 bar
Connection of Tool	connector 25 pins
Weight	7.2 kg
Dimensions	300 × 300 × 200 mm
Communications	ethernet, CAN

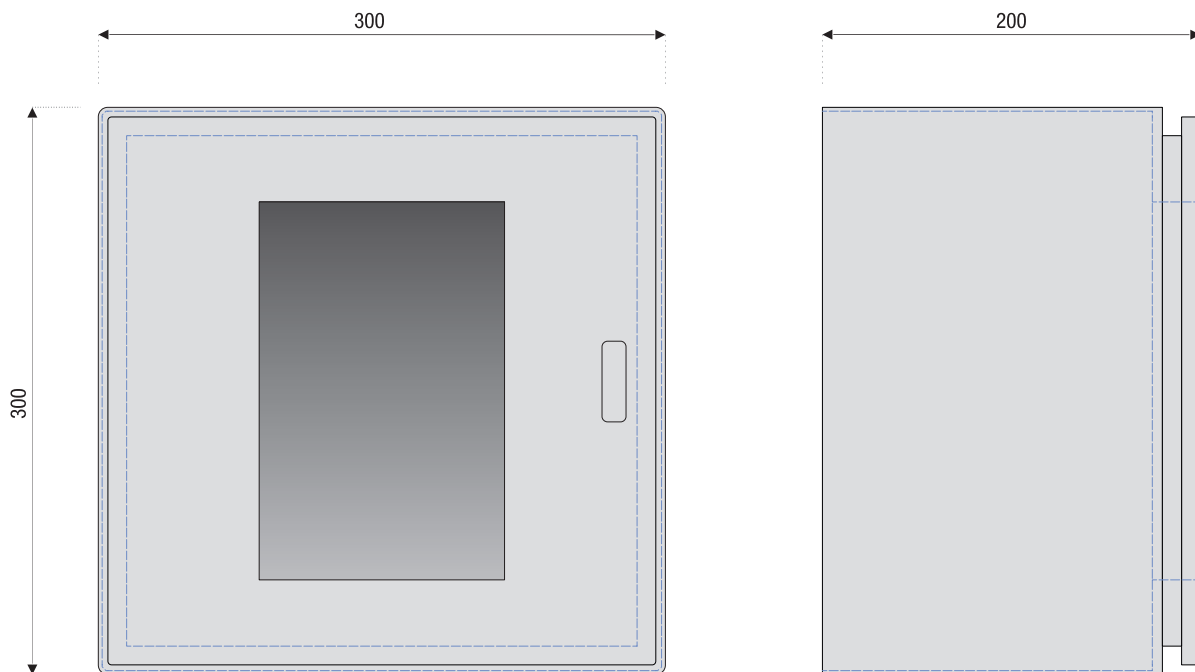
Description:

- output - OK, NOK
- input - the switching of condition settings for evaluation of the riveting process - as many as seven different settings
- communication with the master system through Profibus
- automatic setting of the sensor values when connecting a tool
- slot for storage of data on MMC card
- storage of data into PC
- connection to PC through Ethernet or CAN
- intuitive software for setting the conditions for evaluation of the riveting process
- identification of the status on the PLC* display - OK, NOK, number of cycles

* PLC: programmable logic center

Dimensions:

KRB 009DP



Part No. 99-0110

HV 703

Hydraulic aggregate



Scope of use:

Lockbolts \varnothing 5–25.4 mm

Technical parameters:

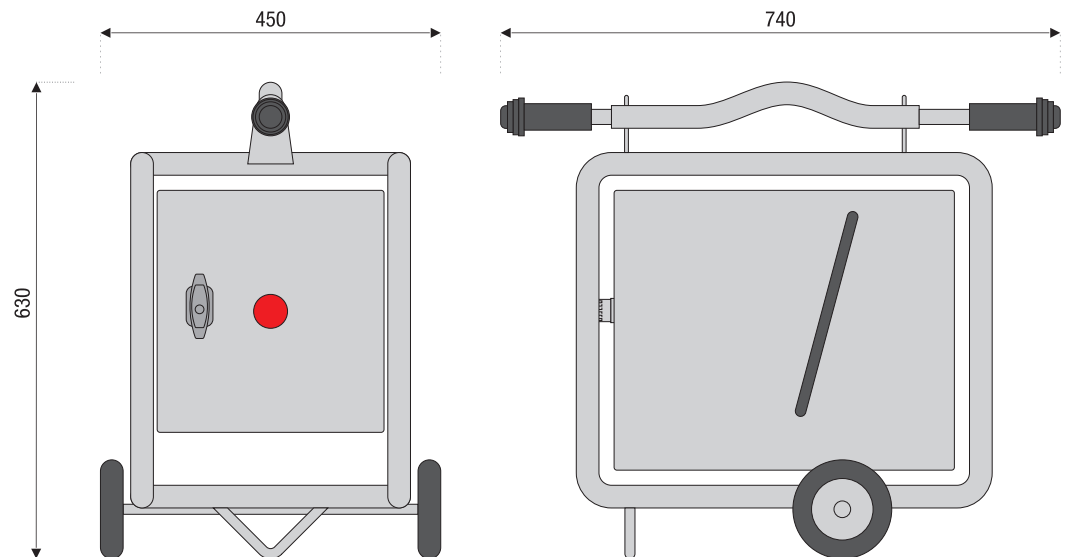
Model	HV 703
Supply	400 V/50 Hz
Control of Supply	24 V DC
Output of the Engine	2.2 kW
Output of Pump	3 l/min
Maximum Pressure	65 MPa
Dimensions	740 × 450 × 630 mm
Weight	90 kg

Description:

High performance industrial aggregate for operation on three shifts

- heavy duty construction
- programmable pressure switch
- protective frame with lifting attachment
- simple operation and maintenance – easy manipulation (compatible with HUCK tools)

HV 703



Optional accessories:

Description	Part No.
Hydraulic installation tool for lockbolts LBH12	99-0176
Hydraulic installation tool for lockbolts LBH16	99-0177
Nose Assembly LB12	99-0186
Nose Assembly LB16	99-0187
Extended Hoses 3 m	99-0180
Extended Hoses 10 m	99-0181
Extended Hoses 15 m	99-0182
Hydraulic Oil 1 l	87-0188

Part No. 99-0176

LBH 12

Hydraulic installation tool for lockbolts



Scope of use:

Ø of the rivet	12.7 mm (1/2")	16 mm (5/8")
Lockbolt	✓	

Technical parameters:

Model	LBH 12
Pulling Force	155 kN / 45 Mpa
Working Stroke	46 mm
Weight (Without Hoses)	8,5 kg
Maximum Pressure	60 MPa
Height	244 mm
Length	307 mm
Length of Hoses	1 m
Control Voltage	24 V

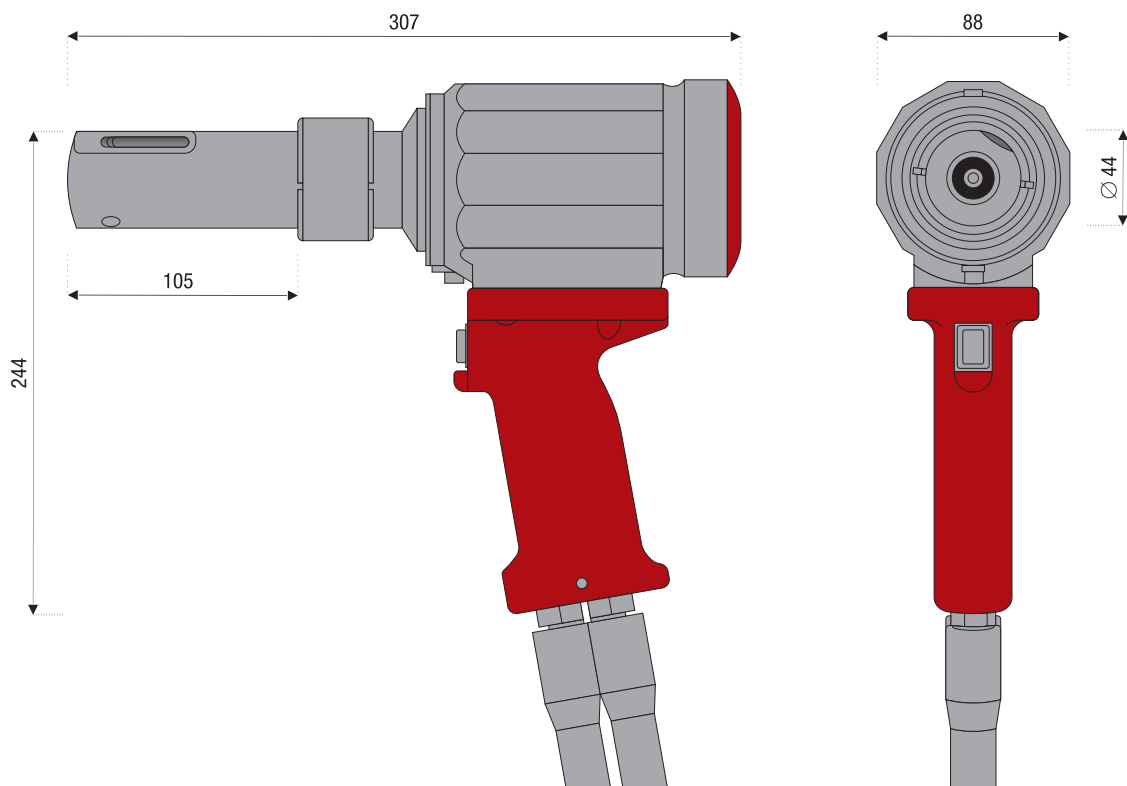
Description:

- low value of transferred vibrations
- robust construction
- ergonomic handle is comfortable to hold
- simple operation
- automatic ejection of the pintail
- easy maintenance



Dimensions of tool:

LBH 12



Standard accessories:

Description	Part No.
Nose Assembly LB12	99-0186

Power Unit:

Description	Part No.
Power Unit HV 703	99-0110

Optional accessories:

Description	Part No.
Extended Hoses 3 m	99-0180
Extended Hoses 10 m	99-0181
Extended Hoses 15 m	99-0182
Hydraulic Oil 1 l	87-0188



Part No. 99-0177

LBH 16

Hydraulic installation tool for lockbolts



Scope of use:

Ø of the rivet	12.7 mm (1/2")	16 mm (5/8")
Lockbolt		✓

Technical parameters:

Model	LBH 16
Pulling Force	155 kN / 45 Mpa
Working Stroke	46 mm
Weight (Without Hoses)	9,6 kg
Maximum Pressure	60 MPa
Height	244 mm
Length	314 mm
Length of Hoses	1 m
Control Voltage	24 V

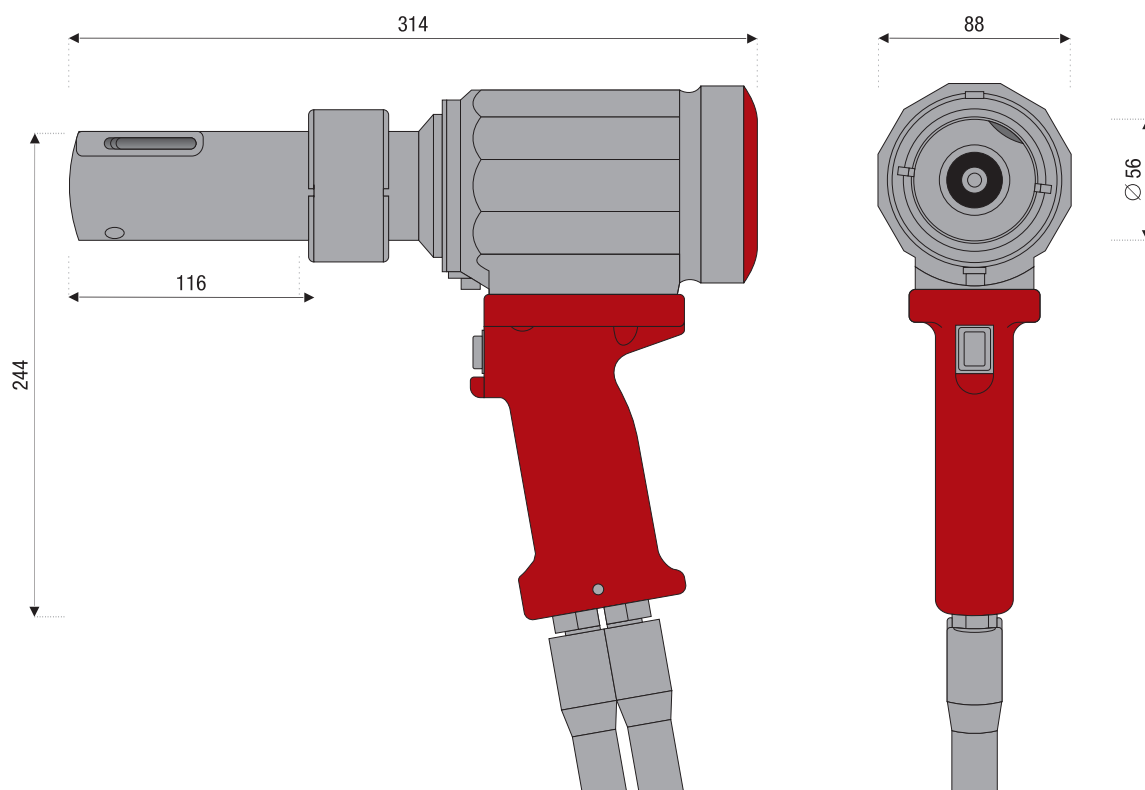
Description:

- low value of transferred vibrations
- robust construction
- ergonomic handle is comfortable to hold
- simple operation
- automatic ejection of the pintail
- easy maintenance



Dimensions of tool:

LBH 16



Standard accessories:

Description	Part No.
Nose Assembly LB16	99-0187

Power Unit:

Description	Part No.
Power Unit HV 703	99-0110

Optional accessories:

Description	Part No.
Extended Hoses 3 m	99-0180
Extended Hoses 10 m	99-0181
Extended Hoses 15 m	99-0182
Hydraulic Oil 1 l	87-0188



Part No. 99-0163

TIOS H30

Hydraulic tool with process control for installation of lockbolts 5–6.4 mm and structural blind rivets 6.4 mm

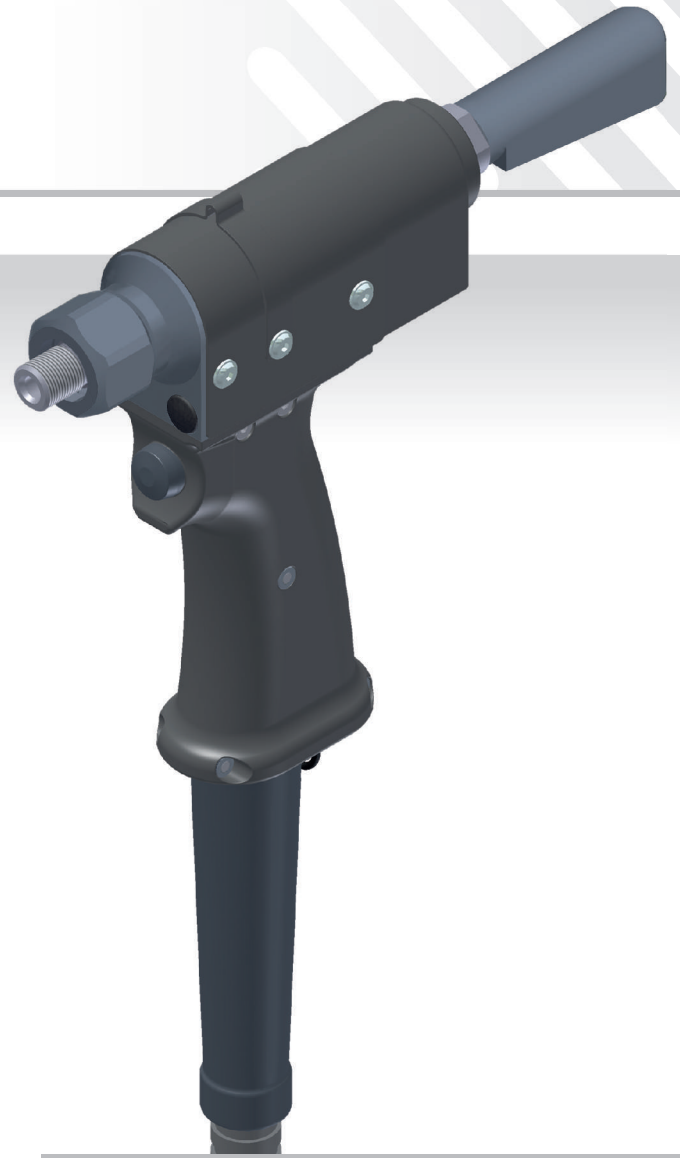
Scope of use:

Type of rivet	SRB (Lockbolt) Standard		SRB (Lockbolt) Multigrip		Blind rivets
	5	6/6.4	5	6.4	
Aluminium	✓	✓	✓	✓	✓
Steel	✓	✓	✓	✓	✓
Stainless	✓	✓			✓

* structural blind rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

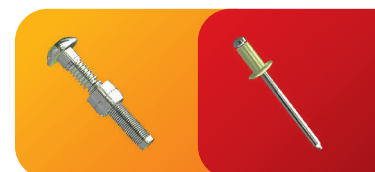
Technical parameters:

Model	TIOS H30
Drive	TIOS H350 / TIOS H450
Pulling Force	22 kN/35 MPa / 28 kN/45 MPa
Working Stroke	24 mm
Weight (without Hoses)	1.5 kg
Maximum Pressure	45 MPa
Length	146 mm
Height	184 mm
Length of Hoses	2.5 m
Control Voltage	24 V



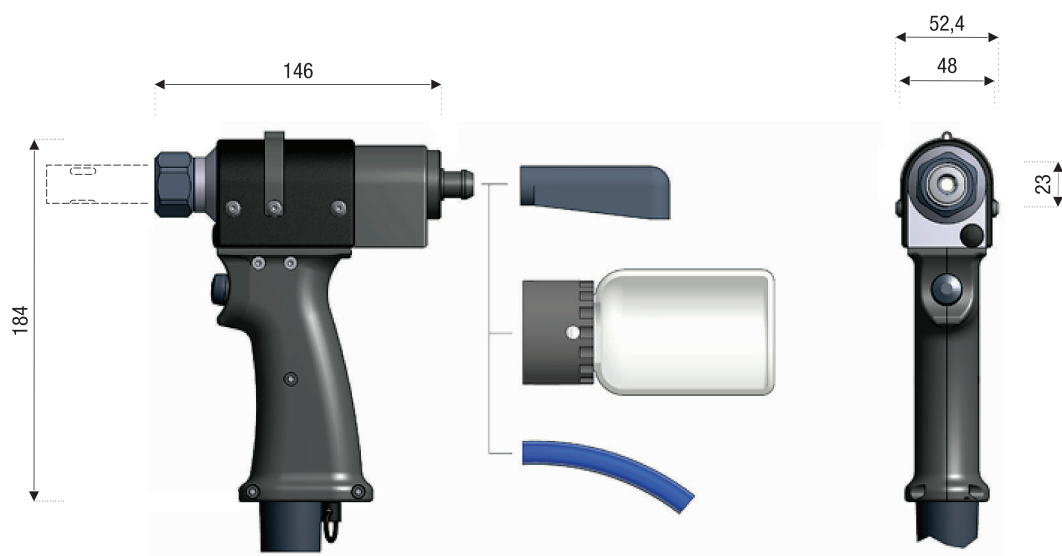
Description:

- integrated with patented TC riveting process control system, together with the drive unit TIOS H provides an effective tool for monitoring and evaluation of the riveting processes
- electronically controlled movement of the hydraulic tool
- chip for automatic setting of the values in the evaluation equipment
- identification of the results of the process by colour diodes
- low weight
- low transferred vibrations
- robust construction
- extremely thin hydraulic hoses for easy operation
- ergonomic handle is comfortable to hold
- second balancer hook for working in inverted position
- second trigger for working in the inverted position
- optional removable collecting container for spent mandrels
- hose connection adapter for discharging of mandrels
- simple operation



Dimensions of tool:

TIOS H30



Standard accessories:

Description	Part No.
Deflector	87-0062

Optional accessories:

Description	Part No.
Mandrel Collector	87-0060
Mandrel Collector Reinforced	87-0061
Adapter for Mandrel Collector	87-0272
Nose Assembly / Standard Lockbolt 6.4 mm	375 885
Nose Assembly 6.5 mm Magna-Lock®, Magna-Bulb®, Tibulb®	375 945

Part No. 99-0135

TIOS H35

Hydraulic tool with process control
for installation of lockbolts 5–6.4 mm
and structural blind rivets 6.4 mm

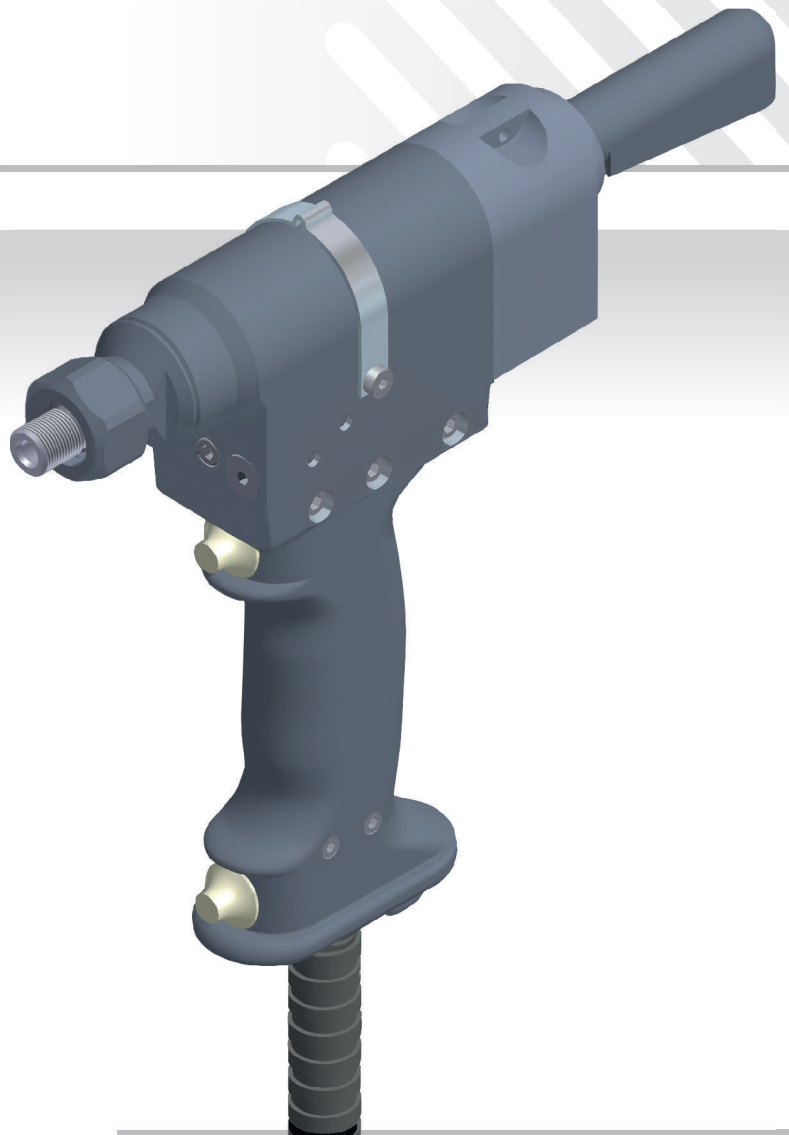
Scope of use:

Type of rivet	SRB (Lockbolt) Standard		SRB (Lockbolt) Multigrip		Blind rivets
	5	6/6.4	5	6.4	
Ø of the rivet	5	6/6.4	5	6.4	6.4*
Aluminium	✓	✓	✓	✓	✓
Steel	✓	✓	✓	✓	✓
Stainless	✓	✓			✓

* structural blind rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Technical parameters:

Model	TIOS H35
Drive	TIOS H350 / TIOS H450
Pulling Force	26.5 kN/35 MPa / 34.4 kN/45 MPa
Working Stroke	30 mm
Weight (without Hoses)	2.5 kg
Maximum Pressure	35 MPa
Length	268 mm
Height	225 mm
Length of Hoses	2.5 m
Control Voltage	24 V



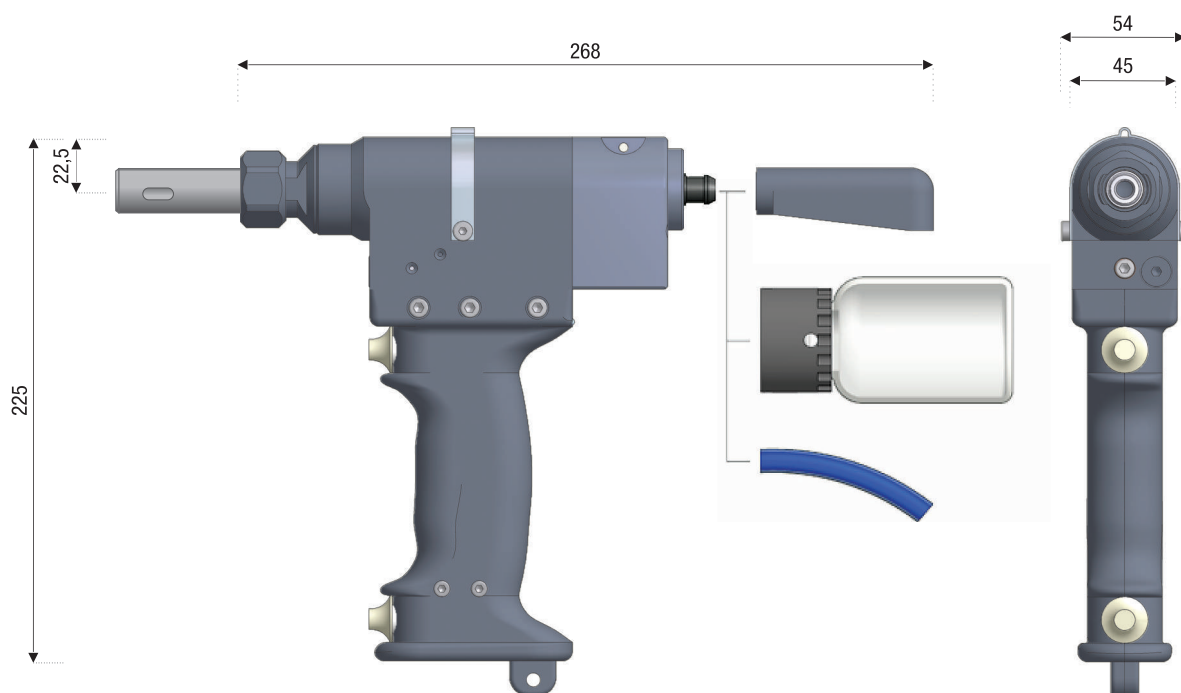
Description:

- integrated with patented TC riveting process control system, together with the drive unit TIOS H provides an effective tool for monitoring and evaluation of the riveting processes
- electronically controlled movement of the hydraulic tool
- chip for automatic setting of the values in the evaluation equipment
- identification of the results of the process by colour diodes
- low transferred vibrations
- robust construction
- extremely thin hydraulic hoses for easy operation
- ergonomic handle is comfortable to hold
- second balancer hook for working in inverted position
- second trigger for working in the inverted position
- optional removable collecting container for spent mandrels
- hose connection adapter for discharging of mandrels
- simple operation



Dimensions of tool:

TIOS H35



Standard accessories:

Description	Part No.
Deflector	87-0062

Optional accessories:

Description	Part No.
Mandrel Collector	87-0060
Mandrel Collector Reinforced	87-0061
Adapter for Mandrel Collector	87-0272
Nose Assembly / Standard Lockbolt 6.4 mm	375 885
Nose Assembly 6.5 mm Magna-Lock®, Magna-Bulb®, Tibulb®	375 945

Part No. 99-0139

TIOS H40

Hydraulic tool with process control
for installation of lockbolts 8–10 mm
and structural blind rivets 6.4–8 mm

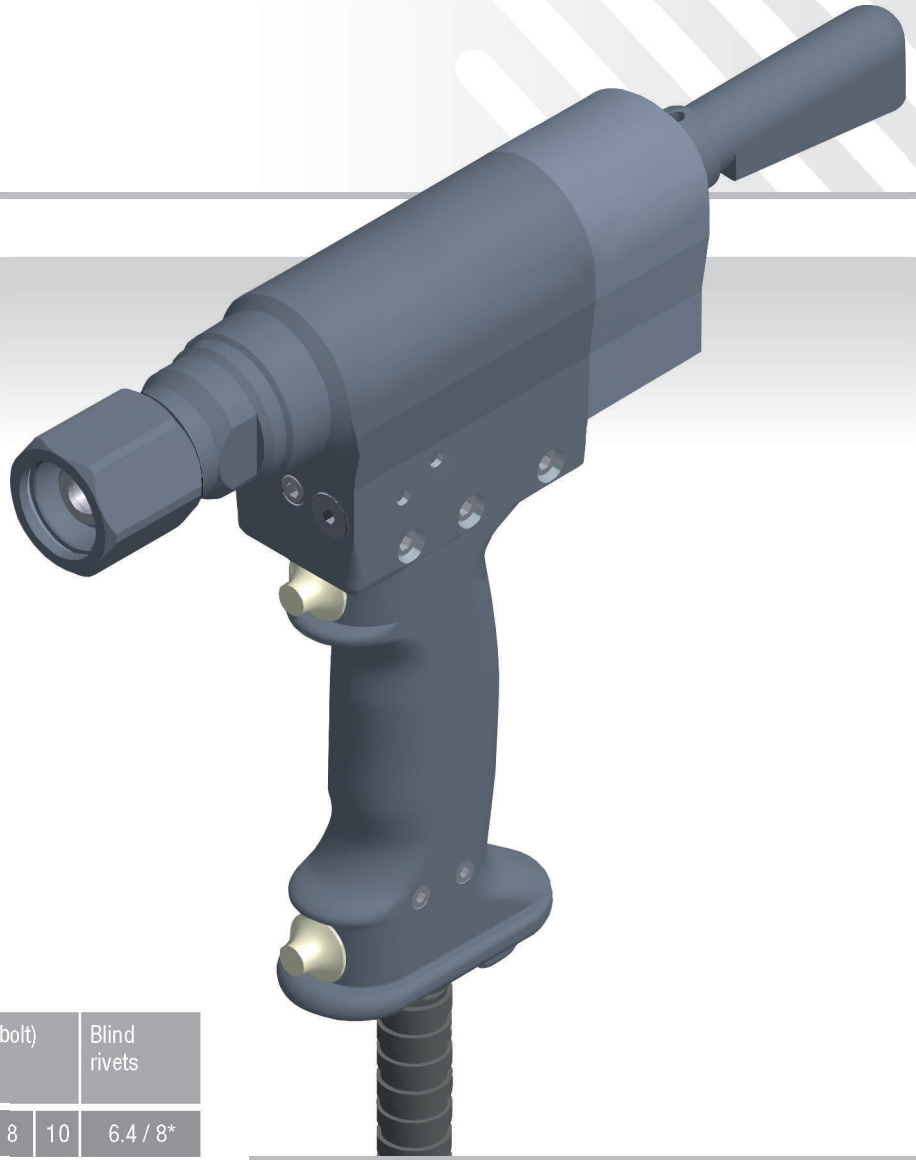
Scope of use:

Type of rivet	SRB (Lockbolt) Standard				SRB (Lockbolt) Multigrip				Blind rivets
	5	6.4	8	10	5	6.4	8	10	
Ø of the rivet									6.4 / 8*
Aluminium			✓	✓	✓	✓	✓	✓	✓
Steel			✓	✓	✓	✓	✓	✓	✓
Stainless			✓	✓					✓

* structural blind rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

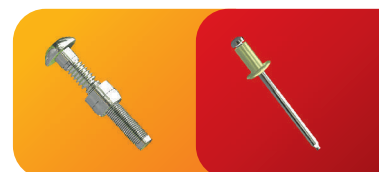
Technical parameters:

Model	TIOS H40
Drive	TIOS H350 / TIOS H450
Pulling Force	30.7 kN/35 MPa / 39.5 kN/45 MPa
Working Stroke	30.5 mm
Weight (without Hoses)	3.7 kg
Maximum Pressure	35 MPa
Width	311 mm
Height	232 mm
Length of Hoses	2.5 m
Control Voltage	24 V



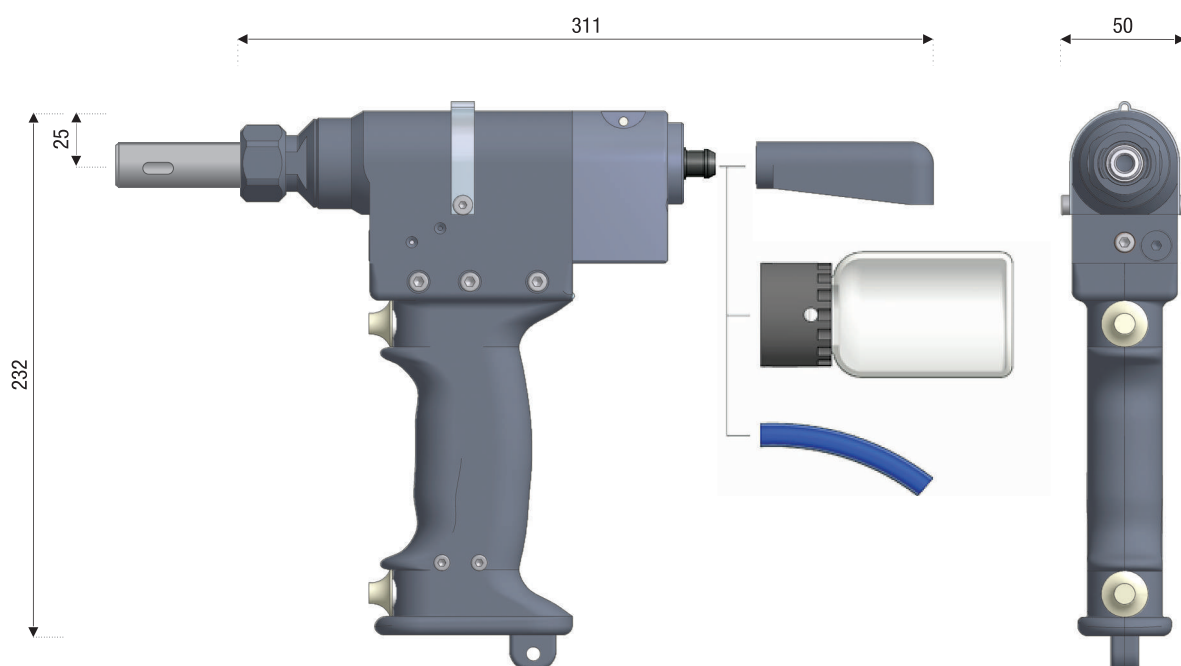
Description:

- integrated with patented TC riveting process control system, together with the drive unit TIOS H provides an effective tool for monitoring and evaluation of the riveting processes
- electronically controlled movement of the hydraulic tool
- chip for automatical setting the values in the evaluation equipment
- identification of the results of the process by colour diodes
- low transferred vibrations
- robust construction
- extremely thin hydraulic hoses for easy operation
- ergonomic handle is comfortable to hold
- second balancer hook for working in inverted position
- second trigger for working in the inverted position
- optional removable collecting container for spent mandrels
- hose connection adapter for discharging mandrels
- simple operation



Dimensions of tool:

TIOS H40



Standard accessories:

Description	Part No.
Deflector	87-0062

Optional accessories:

Description	Part No.
Mandrel Collector	87-0060
Mandrel Collector Reinforced	87-0061
Adapter for Mandrel Collector	87-0272
Nose Assembly / Standard Lockbolt 8 mm	375 885
Nose Assembly Standard Lockbolt 10 mm	375 945

Part No. 99-0128

TIOS H350

Hydraulic aggregate
with KRB evaluation unit



Scope of use:

Riveting tool
TIOS H30
TIOS H35
TIOS H40

Technical parameters:

Model	TIOS H350
Supply	400 V / 50 Hz
Control Voltage	24 V
Output of the Engine	1.6 kW
Output of Pump	1 litre / min
Maximum Pressure	35 MPa
Dimensions	813 × 450 × 674 mm
Weight	90 kg



TIOS H30

TIOS H35

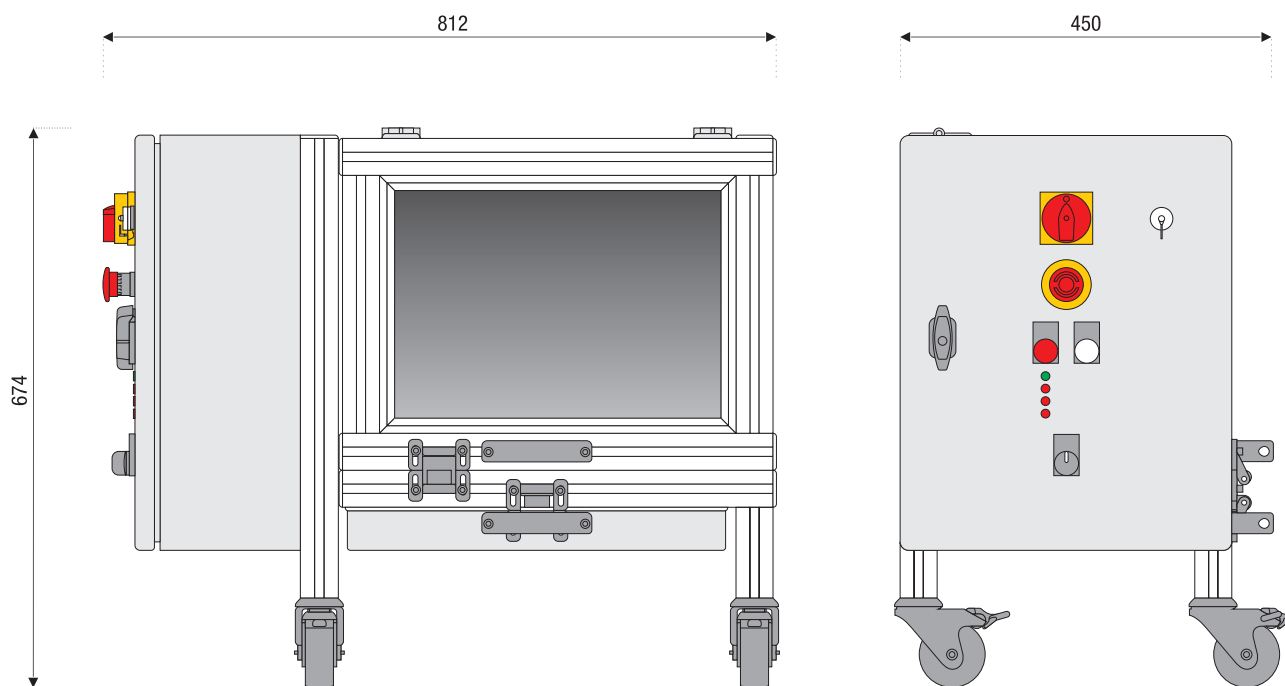
TIOS H40

Description:

- high performance industrial aggregate for operation on 3 shifts
- TC system for monitoring and evaluation of the riveting processes
- communication with master PLC through a HARTING connector
- robust construction
- identification of maintenance or failures on the display
- slot for MMC card for storage of data from riveting processes
- connection through Ethernet to PC

Dimensions of tool:

TIOS H350



Optional accessories:

Description	Part No.
Harting Connecting Cable	87-0270
Control Cable	87-0271
Extended Hoses 2.5 m	87-0342

Part No. 99-0142

TIOS H450

Hydraulic aggregate
with KRB evaluation unit

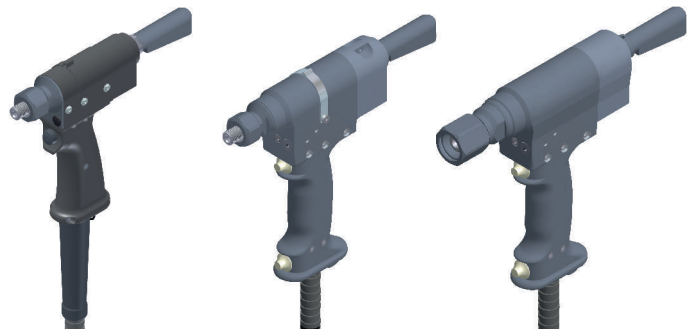


Scope of use:

Riveting tool
TIOS H30
TIOS H35
TIOS H40

Technical parameters:

Model	TIOS H450
Supply	400 V / 50 Hz
Control Voltage	24 V
Output of the Engine	1.6 kW
Output of Pump	1 litre / min
Maximum Pressure	45 MPa
Dimensions	813 × 450 × 674 mm
Weight	90 kg



TIOS H30

TIOS H35

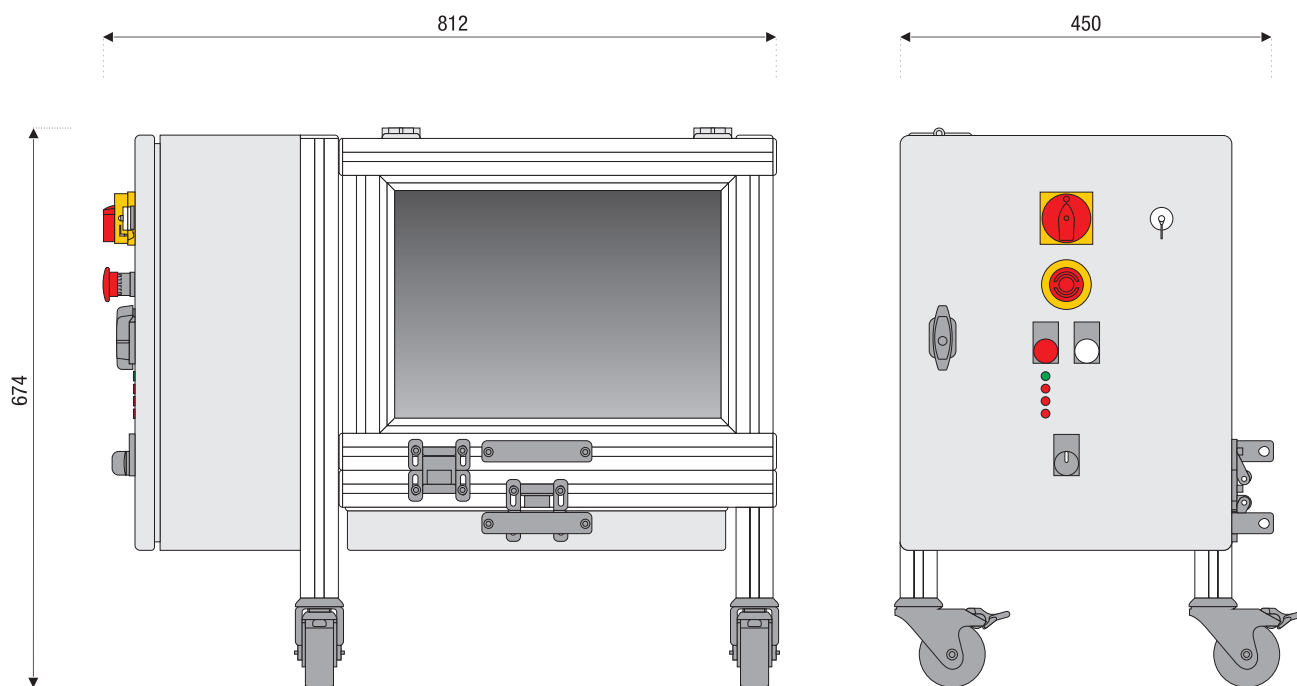
TIOS H40

Description:

- high performance industrial aggregate for operation on 3 shifts
- TC system for monitoring and evaluation of the riveting processes
- communication with master PLC through a HARTING connector
- robust construction
- identification of maintenance or failures on the display
- slot for MMC card for storage of data from riveting processes
- connection through Ethernet to PC

TIOS H450

Dimensions of tool:



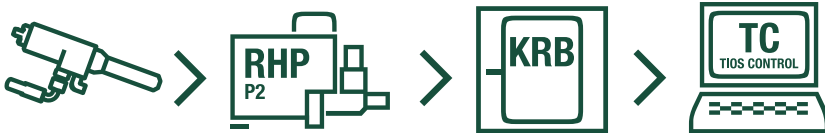
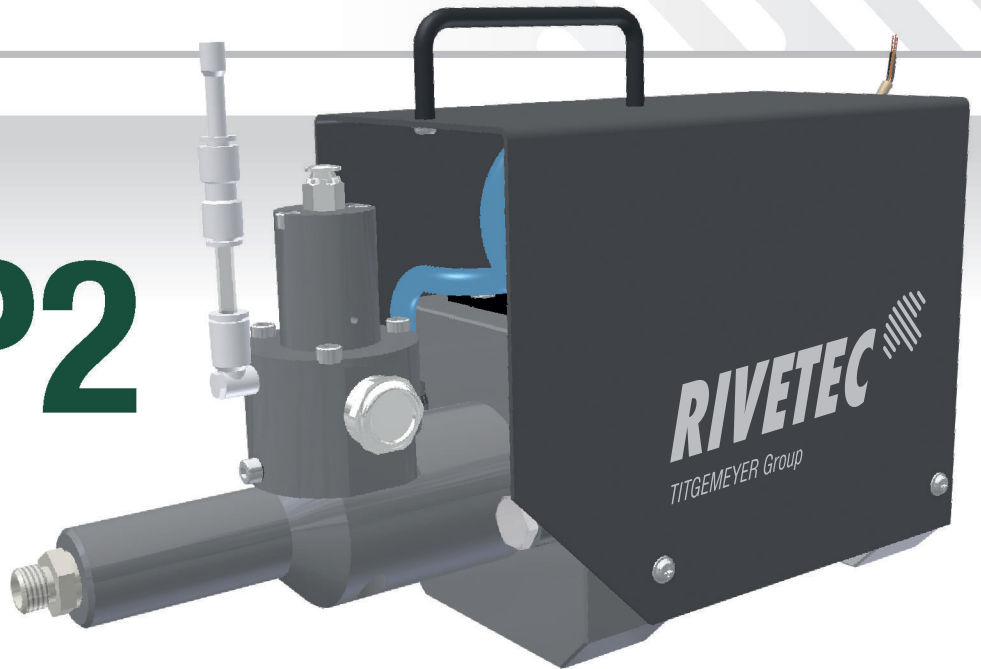
Standard accessories:

Description	Part No.
Harting Connecting Cable	87-0270
Control Cable	87-0271
Extended Hoses 2.5 m	87-0342

Part No. 99-0100

RHP P2

Pneumatic-hydraulic aggregate



Scope of use:

Type of riveting head	Suitable for
HH 160	blind rivets
HH 60	blind rivets
HHTC 60	blind rivets with TC process control
HH 50	rivet nuts
HHTC 50	rivet nuts with TC process control

Description:

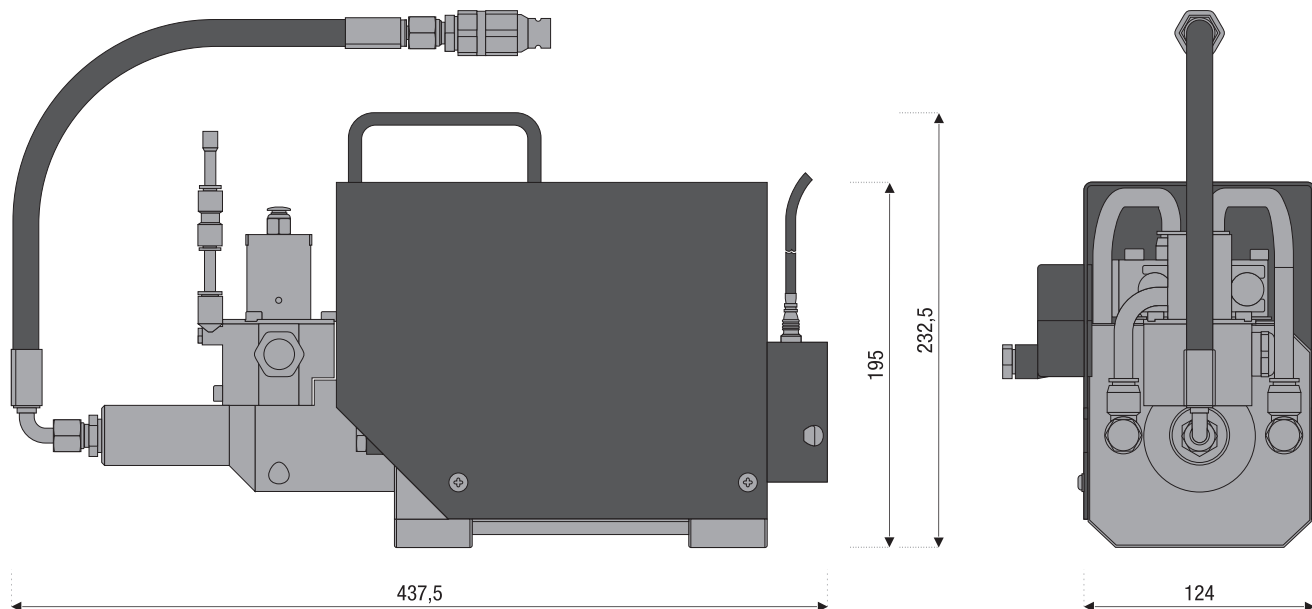
- high-performance industrial aggregate for operation on 3 shifts
- connection to riveting head by fast coupling
- automatic adding of oil from the vessel
- piston position sensor
- electric or pneumatic start control
- easy maintenance

Technical parameters:

Model	RHP P2
Maximum Oil Pressure	35 MPa / 6 bar
Control Voltage	24 V
Dimensions	437 × 124 × 232 mm
Weight	6.5 kg
Working Air Pressure	5–7 bar
Hose Length max.	2.5 m (400 bar)
Piston Stroke	112 mm
Oil Volume per 1 Stroke	17.2 cm ³
Air Pressure Connection	∅ 6 mm (G 1/4")

Dimensions of tool:

RHP P2



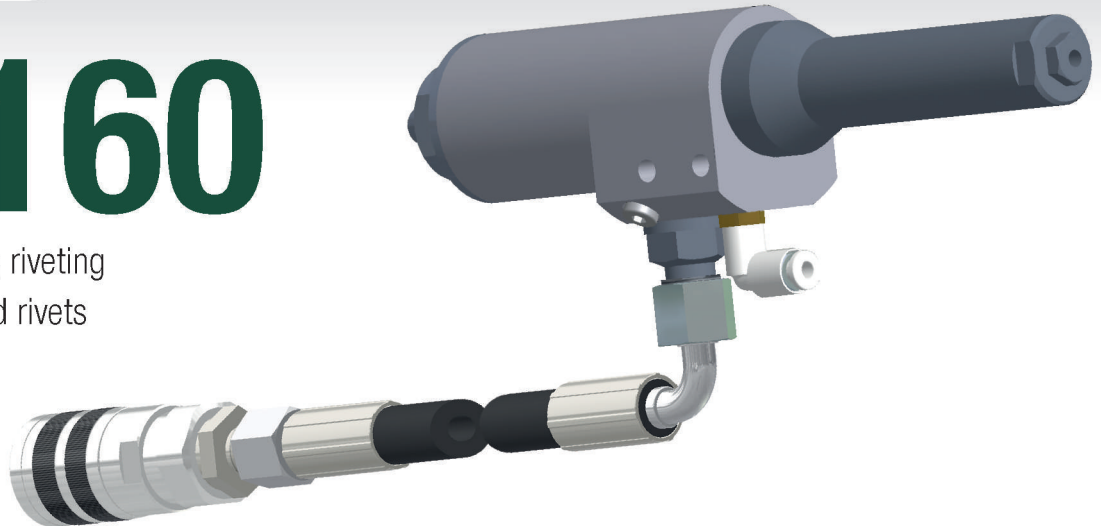
Standard accessories:

Description	Part No.
Connecting Cable KRB 2 m	87-0295
Hydraulic Oil - 1 Litre	87-0188
KRB 010	99-0147
Riveting Head HH 160	99-0101
Riveting Head HH 60	99-0153
Riveting Head HH 50	99-0152
Riveting Head HHTC 60	99-0155
Riveting Head HHTC 50	99-0154

Part No. 99-0101

HH 160

Hydraulic single-acting riveting head for installing blind rivets from 4 to 8 mm



Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

Nosepieces included:

					✓
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Description:

- for installation of structural rivets
- high working stroke and pulling force
- high-performance industrial riveting head for operation on 3 shifts
- connection to power unit by quick coupling
- easy maintenance
- easy removal of spent mandrels by hose

Technical parameters:

Model	HH 160
Pulling Force up to	18.2 kN / 35 MPa*
Working Stroke	26 mm*
Weight	2.1 kg*
Work Cycle up to	20 cycles / min*
Dimensions (l×w×h)	292 × 40 × 89 mm
Max Oil Pressure	35 MPa
Volume of Head	0,016 l
Hose Connection for Mandrels	Ø 10 mm*
Air Consumption for Exhaust Process	20 l / rivet
Working Air Pressure for Engine	5–7 bar
Hose Connection for Exhaust	Ø 4 mm (M5)

* depends on power unit, size and type of rivet

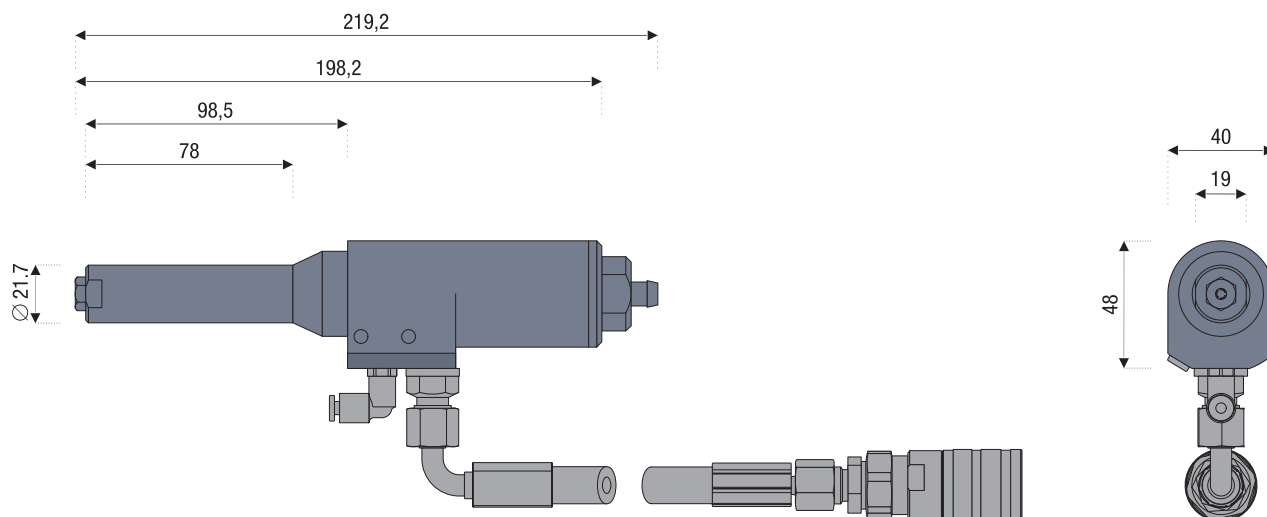


RHP P2



Dimensions of tool:

HH 160



Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws (3-piece)	87-0051
Spring and Jaws Pusher	87-0126
Jaw Case	87-0441

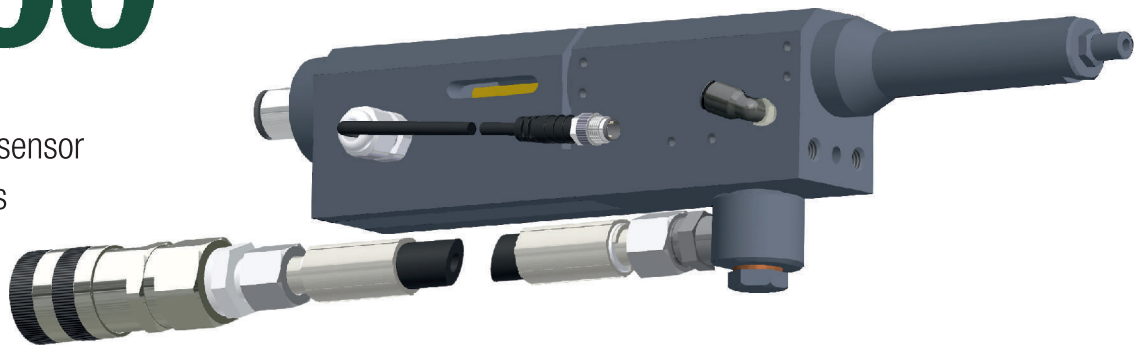
Optional accessories:

Description	Part No.
Rebuild Kit Gr. Rivets 0,8	87-0195
Hydraulic Oil - 1 Litre	87-0188
RHP P2	99-0100

Part No. 99-0153

HH 60

Hydraulic single-acting riveting head with ring sensor for installing blind rivets from 4 to 8 mm



Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

Nosepieces included:

					✓
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Description:

- for installation of structural rivets
- high-performance industrial riveting head for operation on 3 shifts
- connection to power unit by quick coupling
- easy maintenance
- ringsensor
- easy removal of spent mandrels by hose

Technical parameters:

Model	HH 60
Pulling Force up to	18.2 kN / 35 MPa*
Working Stroke	26 mm*
Weight	2.9 kg*
Work Cycle up to	20 cycles / min*
Dimensions (l×w×h)	342 × 41 × 89 mm
Max Oil Pressure	35 MPa
Volume of Head	0.016 l
Hose Connection for Mandrels	Ø 10 mm*
Air Consumption for Exhaust Process	20 l / rivet
Working Air Pressure for Engine	5–7 bar
Hose Connection for Exhaust	Ø 4 mm (M5)

* depends on power unit, size and type of rivet

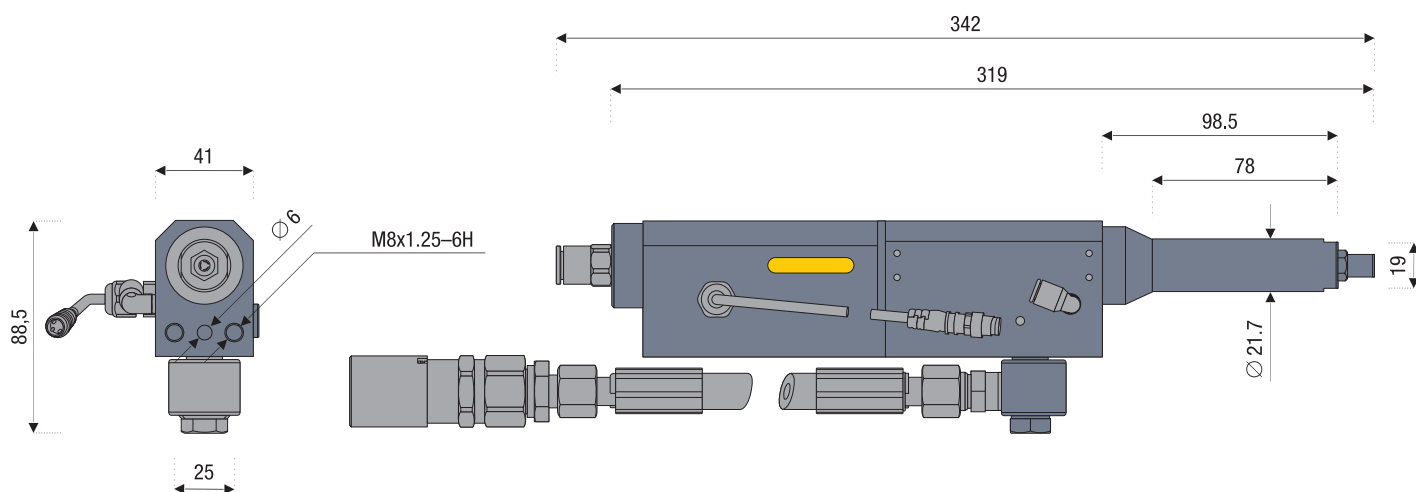


RHP P2



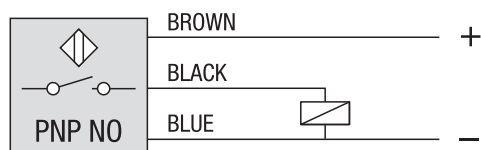
Dimensions of tool:

HH 60



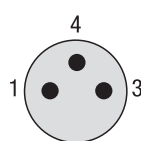
Ring Sensor:

Wiring diagrams



Range of use: steel rivets \varnothing 4.0– 6.4 mm (mandrel \varnothing 2.2 mm and higher)
 Continuous voltage: 10÷30 V DC
 Max output current: 80 mA
 Minimum pulse: 300 ms

Connection



View of male connector:

1 brown / +
 3 blue / -
 4 black / output PNP / NO

Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws (3-piece)	87-0051
Spring and Jaws Pusher	87-0126
Jaw Case	87-0441

Optional accessories:

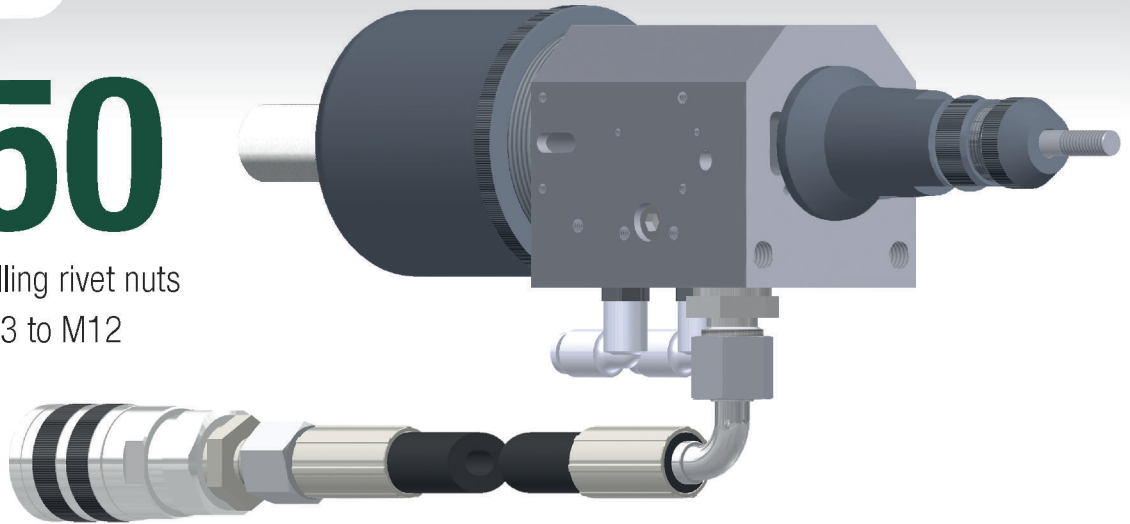
Description	Part No.
Rebuild Kit Gr. Rivets 0,8	87-0195
Hydraulic Oil - 1 Litre	87-0188
RHP P2	99-0100



Part No. 99-0152

HH 50

Riveting head for installing rivet nuts and rivet studs from M3 to M12



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included:

			✓			
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* including pulling bolts

Description:

- high output at small dimensions
- exact smooth stroke adjustment
- simple operation, reliability
- low noise
- low transferred vibrations

Technical parameters:

Model	HH 50
Pulling Force up to	18.2 kN / 35 MPa*
Working Stroke	1.5–8.0 mm
Weight	2.8 kg*
Work Cycle up to	15 cycles / min*
Dimensions (l×w×h)	280 × 70 × 78 mm
Max Oil Pressure	35 MPa
Volume of Head	0.005 l
Air Consumption for Exhaust Process	20 l / rivet
Working Air Pressure for Engine	5–7 bar

* depends on power unit, size and type of rivet

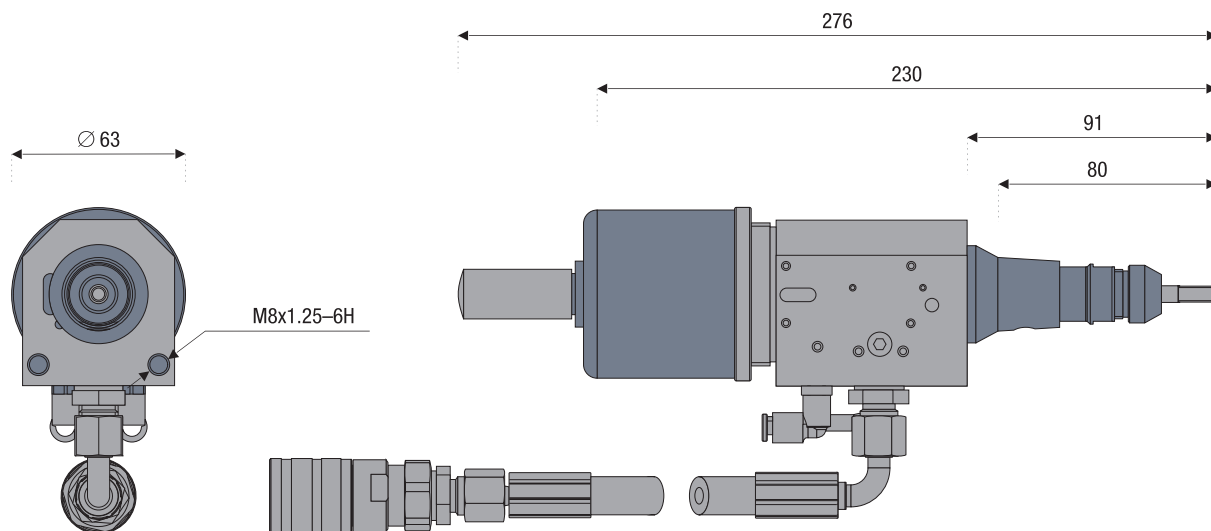


RHP P2






Dimensions of tool:

HH 50



Anvils, mandrels and pulling bolts:

TC 50			
M3	87-0026	87-0039	
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

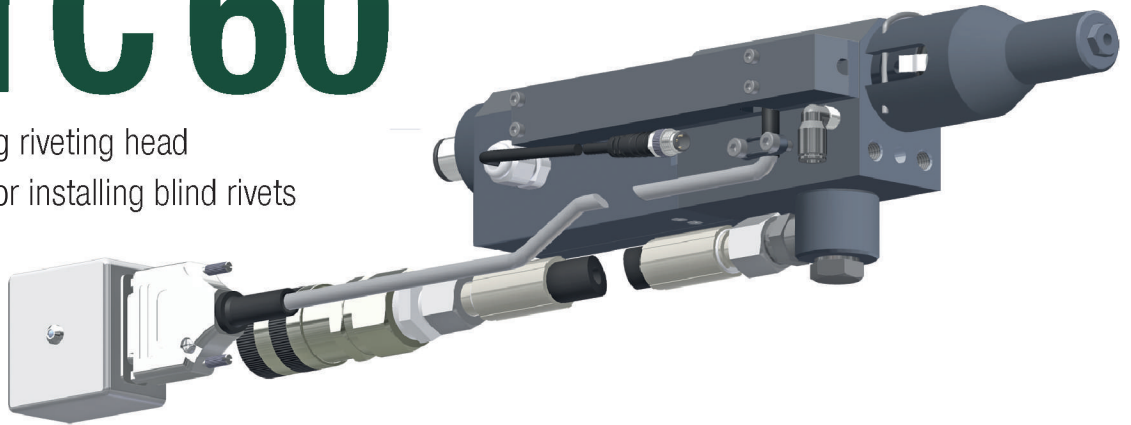
Optional accessories:

Description	Part No.
RHP P2	99-0100
Hydraulic Oil - 1 Litre	87-0188
Oil for Pneumatic Engine	87-0427

Part No. 99-0155

HHTC 60

Hydraulic single-acting riveting head with process control for installing blind rivets from 4 to 8 mm



Scope of use:

Ø of the rivet	3 / 3.2	4	4.8 / 5	6	6.4*	8
Aluminium, Copper, Brass		✓	✓	✓	✓	✓
Steel		✓	✓	✓	✓	
Stainless		✓	✓	✓	✓	

Nosepieces included:

					✓	
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* structural rivets: TIBULB, M-LOCK, MAGNA-BULB, HUCKLOCK etc.

Technical parameters:

Model	HHTC 60
Pulling Force up to	18.2 kN / 35 MPa*
Working Stroke	26 mm*
Weight	2.9 kg*
Work Cycle up to	20 cycles / min*
Dimensions (l×w×h)	326 × 66 × 92 mm
Max Oil Pressure	35 MPa
Volume of Head	0.016 l
Hose Connection for Mandrels	Ø 10 mm*
Air Consumption for Exhaust Process	20 l / rivet
Working Air Pressure for Engine	5–7 bar
Hose Connection for Exhaust	Ø 4 mm (M5)

* depends on power unit, size and type of rivet

Description:

- for installation of structural rivets
- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process
- high output
- integrated ring sensor
- high working stroke
- used for processing high strength and structural rivets
- low noise, simple operation, reliability
- low value of transferred vibrations



RHP P2

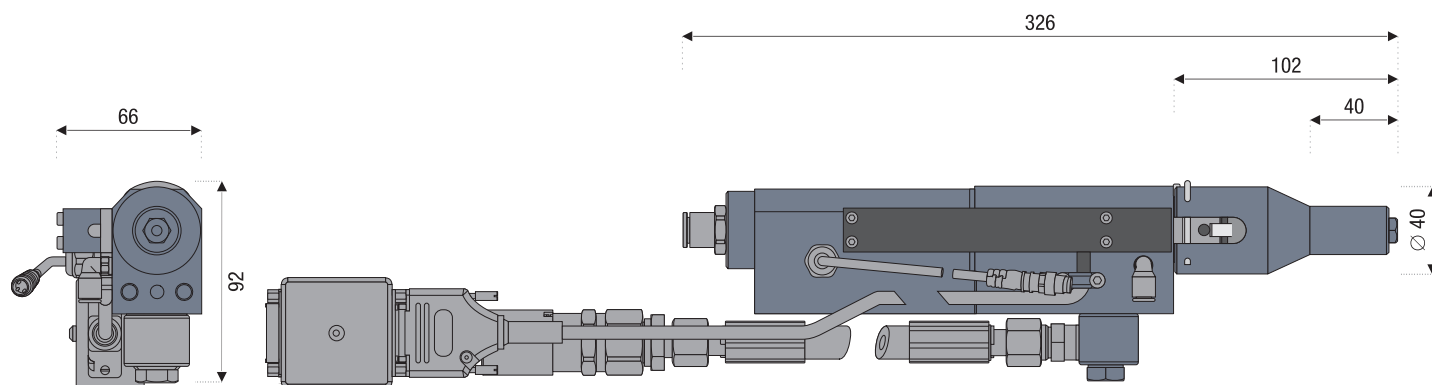


KRB 010



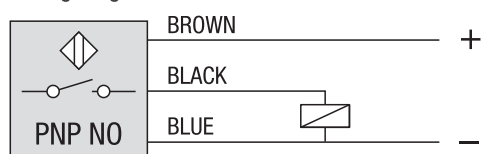
Dimensions of tool:

HHTC 60

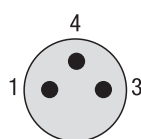


Ring Sensor:

Wiring diagrams



Connection



View of male connector:

- 1 brown / +
- 3 blue / -
- 4 black / output PNP / NO

- Range of use: steel rivets \varnothing 4.0–6.4 mm (mandrel \varnothing 2.2 mm and higher)
 Continuous voltage: 10÷30 V DC
 Max output current: 80 mA
 Minimum pulse: 300 ms

Standard accessories:

Description	Part No.
Nosepiece 4	87-0022
Nosepiece 5	87-0023
Nosepiece 6	87-0024
Nosepiece 6.4	87-0025
Jaws (3-piece)	87-0051
Mandrel Collector	87-0060

Optional accessories:

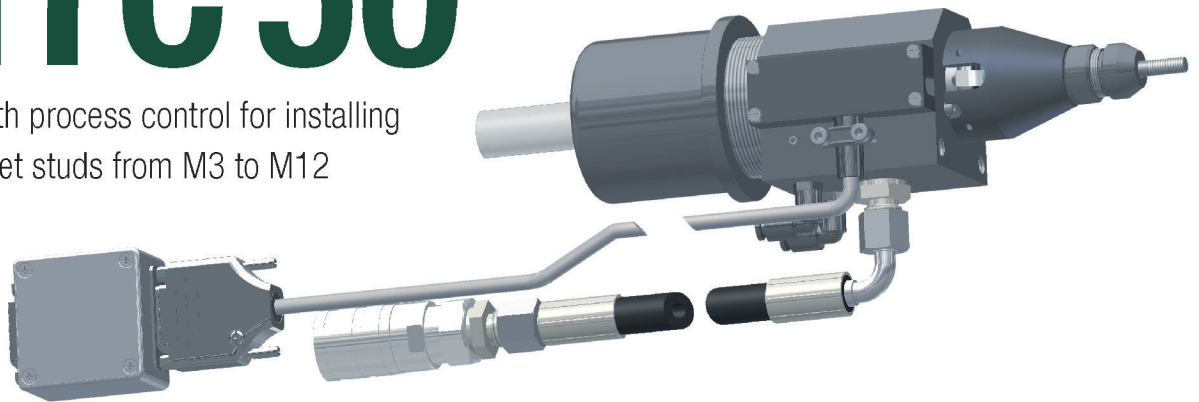
Description	Part No.
Rebuilding Kit Gr. Rivets 0,8	87-0195
Mandrel Collector Assembly	87-0061
Connecting Cable KRB 2 m	87-0295
Hydraulic Oil - 1 Litre	87-0188
KRB 010	99-0147
RHP P2	99-0100
Adapter E272	87-0272



Part No. 99-0154

HHTC 50

Riveting head with process control for installing rivet nuts and rivet studs from M3 to M12



Scope of use:

Rivet nuts	M3	M4	M5	M6	M8	M10	M12
Aluminium, Brass	✓	✓*	✓*	✓*	✓*	✓	✓
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	

Mandrels & anvils included:

			✓			
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* including pulling bolts

Technical parameters:

Model	HHTC 50
Pulling Force up to	18.2 kN / 35 MPa*
Working Stroke	1.5–8.0 mm
Weight	2.9 kg*
Work Cycle up to	15 cycles / min*
Dimensions (l×w×h)	280 × 70 × 78 mm
Max Oil Pressure	35 MPa
Volume of Head	0,005 l
Air Consumption for Exhaust Process	20 l / rivet
Working Air Pressure for Engine	5–7 bar

* depends on power unit, size and type of rivet

Description:

- integrated TC system which together with evaluation of the KRB unit ensures the perfect tool for monitoring and evaluation of the riveting process
- chip for automatic evaluation adjustment in evaluation unit
- high output at small dimensions
- exact smooth stroke adjustment
- simple operation, reliability
- low transferred vibrations



RHP P2

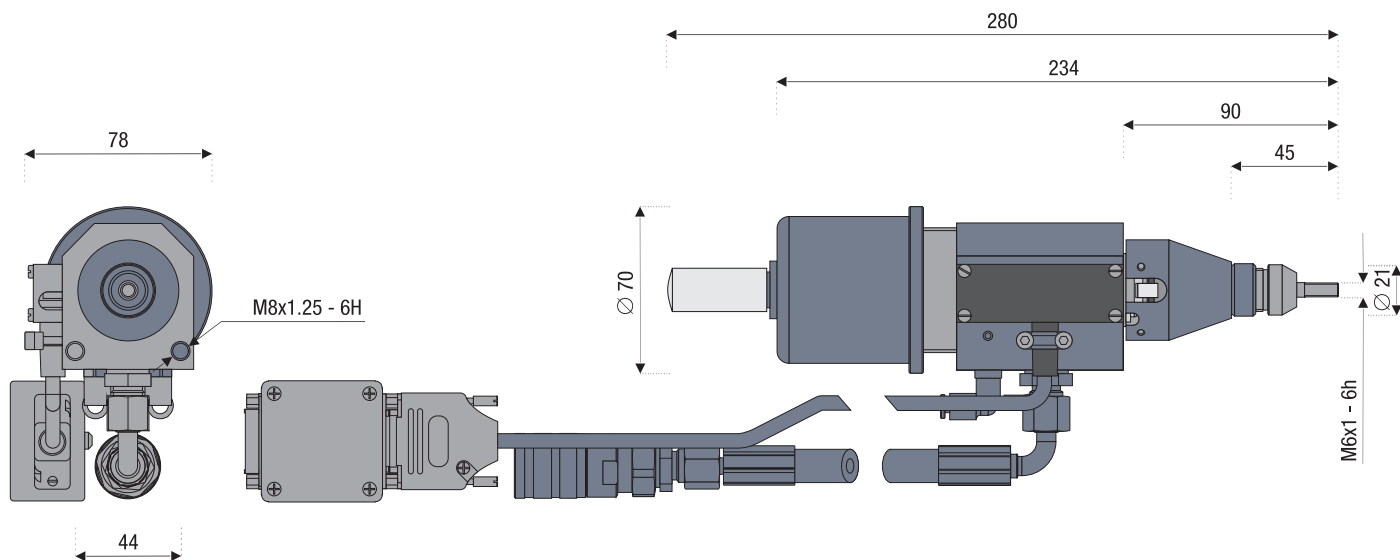


KRB 010






Dimensions of tool:

HHTC 50



Anvils, mandrels and pulling bolts:

HHTC 50			
M3	87-0026	87-0039	
M4	87-0027	87-0040	87-0046
M5	87-0028	87-0041	87-0047
M6	87-0029	87-0042	87-0048
M8	87-0030	87-0043	87-0049
M10	87-0031	87-0044	
M12	87-0032	87-0045	

Optional accessories:

Description	Part No.
Hydraulic Oil – 1 Litre	87-0188
KRB 010	99-0147
RHP P2	99-0100
Connecting Cable KRB 2 m	87-0295
Oil for Pneumatic Engine	87-0427