



All from one source.

- robust **Hand Tools**
- perfected and reliable **Pneumatic-Hydraulic Tools**
- **Battery Tools** of the latest generation
- individually constructed **Process Controlled Automations**



OVERVIEW OF TOOLS - BLIND RIVETS -

BZ-HAND TOOLS FOR BLIND RIVETS

Dimension Tool	Blind Rivets										
	2,4	3,0	3,2	4,0	4,8	4,8 ^{high strength}	5,0	6,0	6,4	6,4 ^{high strength}	8,0
BZ 2	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
BZ 44	optional Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
BZ 70	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
BZ 72	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
BZ 58	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										

MULTI-HAND TOOLS

Dimension Tool	Blind Rivets										
	2,4	3,0	3,2	4,0	4,8	4,8 ^{high strength}	5,0	6,0	6,4	6,4 ^{high strength}	8,0
Multi 1	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
Multi 5	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
Multi 151	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										

BZ-TOOLS FOR BLIND RIVETS (PNEUMATIC-HYDRAULIC)

Dimension Tool	Blind Rivets										
	2,4	3,0	3,2	4,0	4,8	4,8 ^{high strength}	5,0	6,0	6,4	6,4 ^{high strength}	8,0
BZ 103A	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										
BZ 123A	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										

RIVDOM-BATTERY TOOL FOR BLIND RIVETS

Dimension Tool	Blind Rivets										
	2,4	3,0	3,2	4,0	4,8	4,8 ^{high strength}	5,0	6,0	6,4	6,4 ^{high strength}	8,0
RIVDOM	Aluminium										
	Steel										
	Stainless steel										
	Copper alloys										

OVERVIEW OF TOOLS -BLIND RIVET NUTS/BLIND RIVET BOLTS-

VNG-HAND TOOLS FOR BLIND RIVET NUTS / BLIND RIVET BOLTS

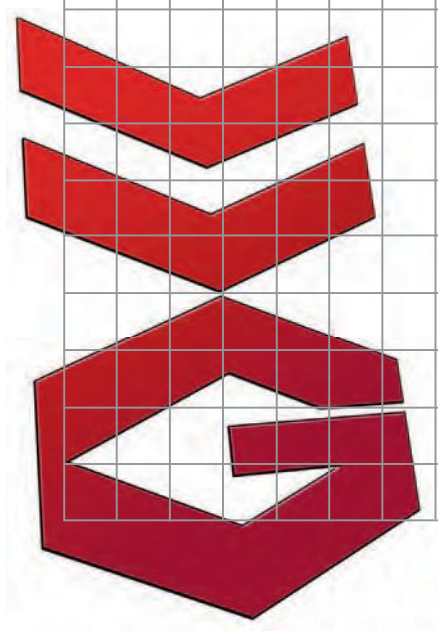
Blind Rivet Nuts							Blind Rivet Bolts				Dimension
M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8	Tool
optional	Aluminium						Steel				VNG 255
optional	Steel										
optional	Stainless steel										
		Aluminium									VNG 371
		Steel						Steel			
		Stainless steel									
			Aluminium					Steel			VNG 612
			Steel								
			Stainless steel								
	Aluminium						Steel				VNG 152
	Steel										
	Stainless steel										

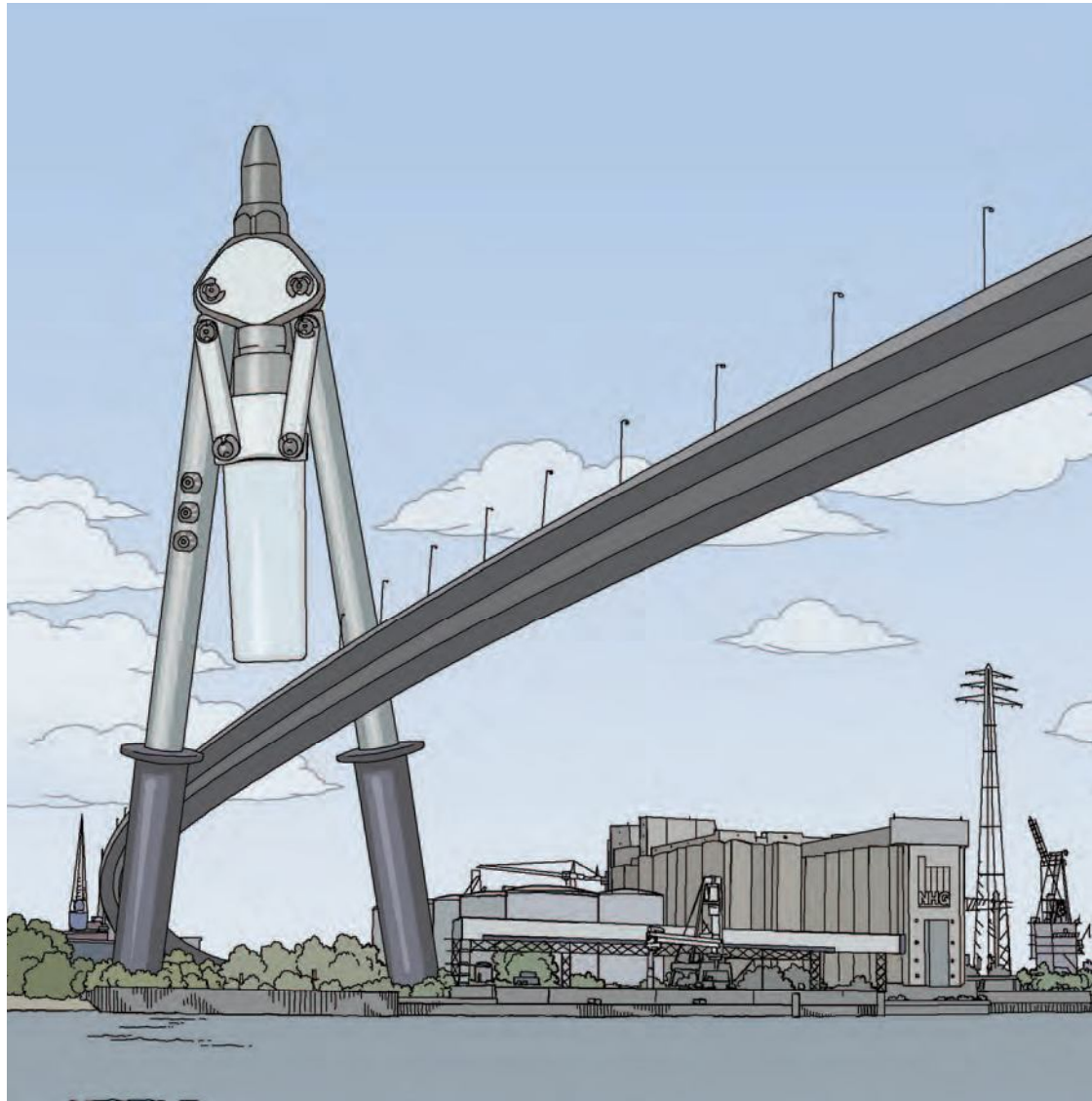
MULTI-HAND TOOLS

Blind Rivet Nuts							Blind Rivet Bolts				Dimension
M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8	Tool
Aluminium							Steel				Multi 1
Steel											
optional	Aluminium						Steel				Multi 5
optional	Steel										
	Aluminium						Steel				Multi 151
	Steel										
	Stainless steel										

VNG-TOOLS FOR BLIND RIVET NUTS/BLIND RIVET BOLTS (PNEUMATIC-HYDRAULIC)

Blind Rivet Nuts							Blind Rivet Bolts				Dimension
M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8	Tool
	Aluminium						Steel				VNG 703
Steel											
Stainless steel											
	Aluminium					optional	Steel				VNG 903
	Steel					optional					
	Stainless steel					optional					





- 8¹ BZ Hand Tools for Blind Rivets**
- 8² VNG Hand Tools for Blind Rivet Nuts and Blind Rivet Bolts**
- 8³ MULTI Hand Tools for Blind Rivets, Blind Rivet Nuts and Blind Rivet Bolts**
- 8⁴ Miscellaneous Tools**



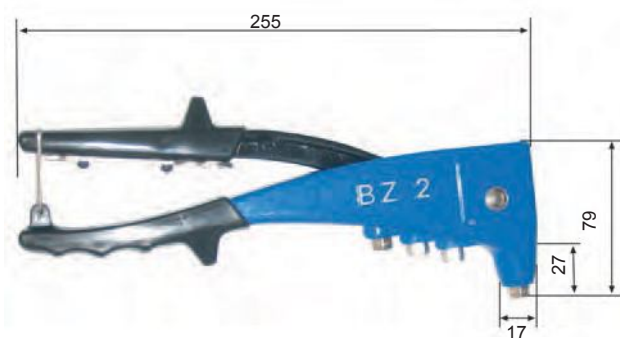
8

1

Hand Tools for Blind Rivets

BZ 2

Hand Tool for Blind Rivets
with opening spring



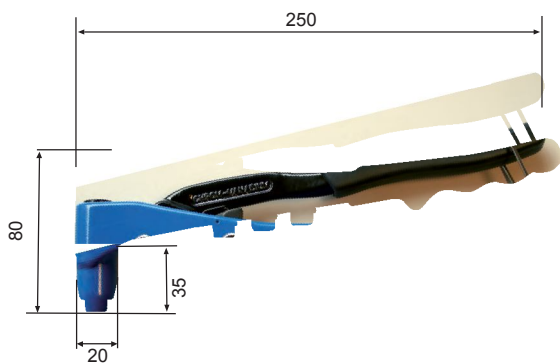
Good Ergonomics, Brilliant Transformation

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
	Aluminium								
	Steel								
	Stainless steel								
	Copper alloys								
	0,56 kg		STROKE 8 mm			Blister		Incl. 4 nosepieces	
	Special nosepieces ► page138								

No. 310.002.000.000

BZ 44

Hand Tool for Blind Rivets
with opening spring



Classic Tool - Robust and Reliable

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
	optional	Aluminium							
		Steel							
		Stainless steel							
		Copper alloys							
	0,63 kg		STROKE 9,5mm			Blister		Incl. 3 nosepieces	
	Special nosepieces ► page138								

No. 310.044.000.000





8

2

Hand Tools for Blind Rivet Nuts and Blind Rivet Bolts

VNG 255

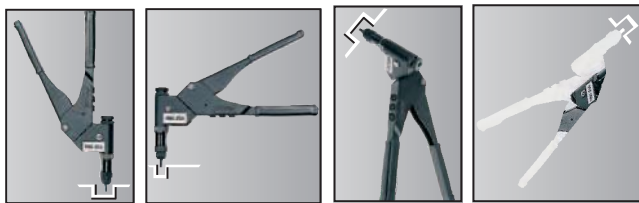
Hand Tool with Assortment



	M3	M4	M5	M6	M8	M10	M12	
		Aluminium						
		Steel						
		Stainless steel						
		Steel						
 0,9 kg	 plastic case		case size 325 x 250 x 50 mm					
content • each with 1 piece conversation kit for blind rivet nuts M4, M5, M6; • each with 1 piece threaded sleeve for blind rivet bolts M4, M5, • each with 1 piece jaw wrench AF 22, AF 24, • 1 piece hex head wrench AF 6					assortment • 25 pieces each blind rivet nuts Universal M4, M5; • 50 pieces blind rivet nuts Universal M6; • 25 pieces each blind rivet bolts M4x2010 and M5x2010			
 continuous pivotable about 360°								

No. 310.255.000.000

Possible positions to work



VNG 371

Lever tool

NEW + OPTIMIZED
Available from ab September 2011

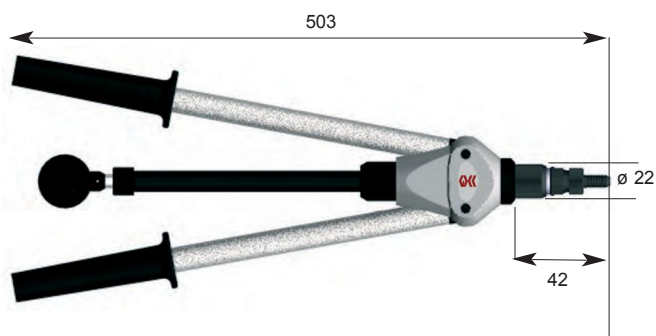


Illustration similar to original product

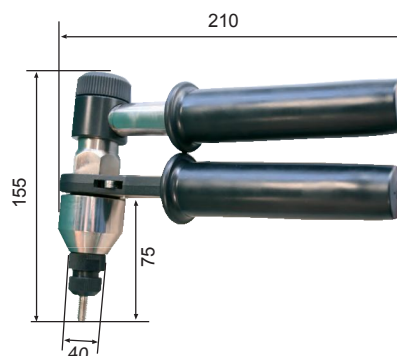
	M3	M4	M5	M6	M8	M10	M12	
			Aluminium					
			Steel					
			Stainless steel					
			Steel					
 1,2 kg	 plastic case							
content								
• each with 1 piece conversation kit for blind rivet nuts M5 - M 10								
• each with 1 piece threaded sleeve for blind rivet bolts M5 - M8								
• each with 1 piece jaw wrench AF 10, AF 14,								
• 1 piece hex head wrench AF 6								

No. 310.371.000.000



VNG 612 Hand Tool

	M3	M4	M5	M6	M8	M10	M12	
		optional		Aluminium				
		optional		Steel				
		optional		Stainless steel				
			Steel					
 1,1 kg	 case in aluminium optics		Case size 370 x 290 x 70 mm					
content each with 1 piece conversation kit for blind rivet nuts M6-M12; each with 1 piece threaded sleeve for blind rivet bolts M5- M8,				 Conversation kit available separately ► page 137)				



No. 310.612.000.000



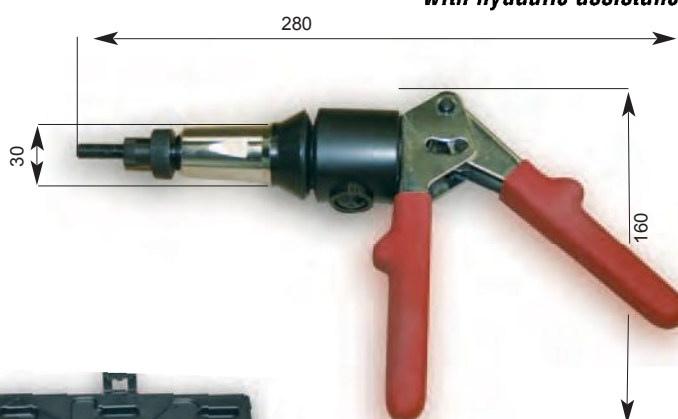
Available from September 2011

	M3	M4	M5	M6	M8	M10	M12	
	Aluminium							
	Steel							
	Stainless steel							
		Steel						
 plastic case				case size 290 x 195 x 54 mm				
 0,6 kg				 with hydraulic component				
Content								
• each with 1 piece conversation kit for blind rivet nuts M3-M8								
• each with 1 piece conversation kit for blind rivet bolts M4-M8,								

No. 310.152.000.000



VNG 152 Hand Tool with hydraulic assistance



VNG
hand tools



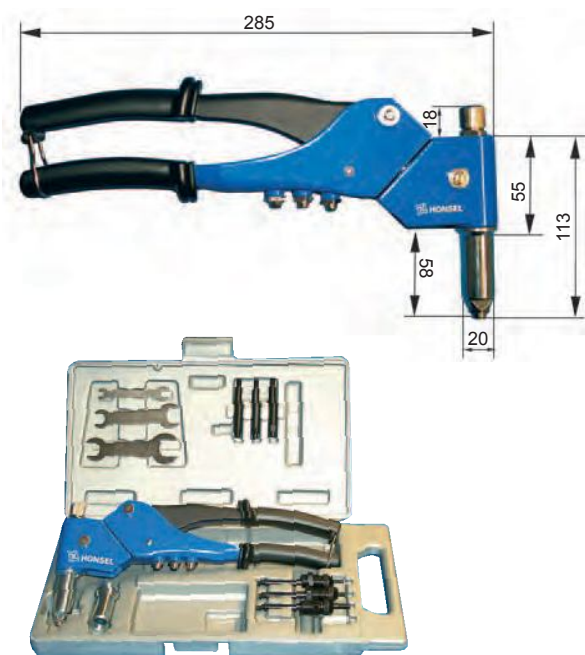
8

3

Multi Hand Tools

Multi 1

Hand Tool for Blind Rivets, Blind Rivet Nuts and Blind Rivet Bolts



	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
	Aluminium							
	Steel							
	Stainless steel							
	Copper alloys							

	M3	M4	M5	M6	M8	M10	M12
	Aluminium						
	Steel						
		Steel					

plastic case case size 360 x 185 x 50 mm

0,56 kg continuous pivotable about 360°

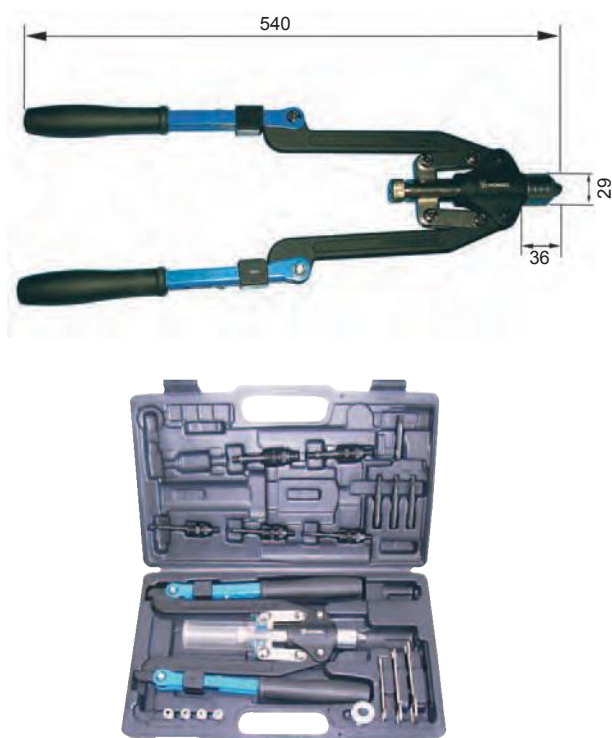
Content

- each with 1 nosepiece for blind rivets 2,4; 3,0/3,2mm; 4,0 mm; 4,8/5,0mm
- each with 1 piece conversation kit for blind rivet nuts M3-M6
- each with 1 piece threaded sleeve for blind rivet bolts M4-M6,
- each with 1 piece jaw wrench AF 15/19, AF 21/17.AF 58

No. 310.100.000.000

Multi 5

Lever Tool for Blind Rivets, Blind Rivet Nuts and Blind Rivet Bolts



	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
	Aluminium							
	Steel							
	Stainless steel							
	Copper alloys							

	M3	M4	M5	M6	M8	M10	M12
	Aluminium						
	Steel						
		Steel					

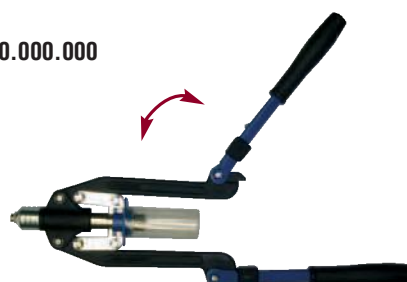
plastic case case size 385x 240 x 55 mm

1,9 kg fold-away handle bars

Content

- each with 1 nosepiece for blind rivets 3,0/3,2mm; 4,0mm; 4,8/5,0mm; 6,0mm; 6,4mm
- each with 1 piece conversation kit for blind rivet nuts M4-M10
- each with 1 piece threaded sleeve for blind rivet bolts M4-M8,
- each with 1 piece jaw wrench AF 15/19, AF 21/17.AF 58

No. 310.500.000.000





Multi Hand Tools

VNG 150 is now MULTI 151.

Besides its outstanding positive properties in setting blind rivet nuts, this tool is able to operate blind rivets as well.

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
		Aluminium						
		Steel						
		Stainless steel						
		Copper alloys						

	M3	M4	M5	M6	M8	M10	M12	
	Aluminium							
	Steel							
	Stainless steel							
		Steel						
	plastic case		case size		290 x 195 x 54 mm			
	0,6 kg				with hydraulic component			

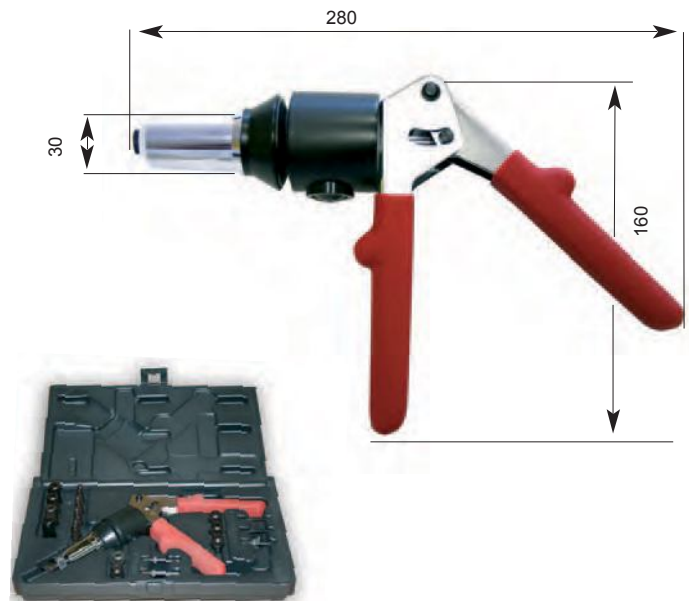
Content

- each with 1 nosepiece for blind rivets 3,0/3,2mm; 4,0mm; 4,8/5,0mm; 6,0mm; 6,4mm
- each with 1 piece conversation kit for blind rivet nuts M3-M8
- each with 1 piece conversation kit for blind rivet bolts M4-M8,

No. 310.151.000.000

Multi 151

Hand Tool for Blind Rivet Nuts,
Blind Rivet Bolts and Blind Rivets
with hydraulic assistance



Rivet Cracker



- Do not try to open rivets by screwing or carving any longer. This tool "bites" off the rivet heads after removing the mandrel without damaging the component.

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
	Aluminium							
	Steel							
	Aluminium							
	Steel							
Length	360 mm		Cutting hardness: 58 Rockwell					

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
	Aluminium							
	Aluminium							
Length	200 mm		Cutting hardness: 58 Rockwell					

Removal of Rivet Heads

Easy Release of Blind Rivets
and Blind Rivet Nuts



No. 310.880.100.000

Rivet Cracker -small-



No. 310.881.300.000



8

4

Rivet Sets

Setting of Industrial Rivets

There are many different possibilities to handle industrial rivets.

- manual deformation by using riveting dies
- hand tools or toggle presses
- special machines according to customers request

DIN 6435 made from hexagon steel savety tempering, shaft equally hardened; delivered in plastic holder



Set for rivet head setting
No.18.509.000.002

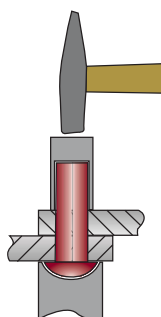


Set for rivet head pulling
No. 18.509.000.001

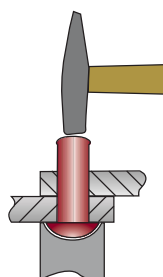
Scope of delivery each : 5 rivet-dies 2,0 - 3,0 - 4,0 - 5,0 and 6,0 mm ϕ



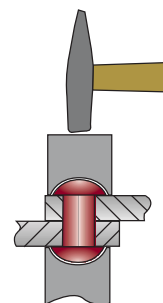
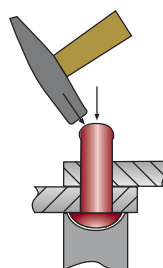
1.
Joining the component



2.
Positioning and fixing
by rivet head puller



3.
Compressing the shaft /
pre-forming of the closing head



4.
Final forming with rivet head setting-tool



8

3

Axial Hand Tool

Setting of Axial Clamps

Fix our axial clamps with this compatible tool – quick and safe.

FOR AXIAL CLAMP RINGS

outside- ϕ	No.
15,0 mm	18.509.000.150
18,0 mm	18.509.000.180
25,0 mm	18.509.000.250

FOR AXIAL CLAMP CAPS

Outside- ϕ	No.
12,0 mm	18.509.000.120
16,0 mm	18.509.000.160
20,0 mm	18.509.000.200
27,0 mm	18.509.000.270
30,0 mm	18.509.000.300





The **experience of decades** and **continuous improvement** made the successful HONSEL/VVG tools of the BZ- and VNG-series become reliable utilities for industrial volume productions as well as for specialist shops and handcraft.

The **sturdy construction** and **complete equipment** with all necessary conversation parts plus **comprehensive accessories** up to **process controled automation systems** leave nothing to be desired.

Latest development “**designed by Honsel**” is the modern type battery tool “**Rivdom**” on ► [page 129](#).

9¹

Pneumatic-Hydraulic Tools for Blind Rivets (BZ-Series)

9²

Battery Tool for Blind Rivets (Rivdom)

9³

Pneumatic-Hydraulic tools for Blind Rivet Nuts and Blind Rivet Bolts (VNG-Series)



9

1

BZ 103 A

Pneumatic-Hydraulic Tool
with permanent and intervall
mandrel exhaustion



**Thousandfold Approved – the latest
version of the standard tool for
reliable processing of blind rivets**

- noise reduced
- optimized ergonomics
- new package
- all necessary spare parts included
- new instruction manual



	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium									
Steel									
Stainless steel									
Copper alloys									
Content	• 4 nosepieces • 1 set of clamping jaws • 1 bottle hydraulic oil / incl. re-fill unit • 2 mandrel collectors						pressure: 5-7 bar stroke : 18 mm noise: < 75 dB(A) _(68,32) 1,8 kg		
special accessory	▶ page 138						max.mandrel-ø: 3,8 mm air consumption: 2,4 L working power at 7 bar: 11700 N hose connection: G 1/4 inside, installation on left or right side		

No. 320.103.000.000

For useful air pressure accessory take a look on ▶ page 128.

For an optimized processing of our structural FERO®-BULB blind rivets on pages 40+41 the pneumatic-hydraulic tool **BZ 133A** is available on request.

This tool offers a **perfect adjustment** of the stroke (18 mm) and the working power (24.000 N) combined with adapted clamping jaws to the grooves of the mandrel. This guarantees powerful handling with reduced abrasion.





**The Strong Tool - even suitable for
high strength blind rivets**



BZ 123 A
Pneumatic-Hydraulic Tool
with permanent and intervall
mandrel exhaustion



- noise reduced
- optimized ergonomics
- new package
- all necessary spare parts included
- new instruction manual



2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
			Aluminium					
			Steel					
			Stainless steel					
			Copper alloys					
Content • 4 nosepieces • 1 set of clamping jaws • 1 bottle hydraulic oil / incl. re-fill unit • 2 mandrel collectors			pressure: 5-7 bar		max. mandrel-ø: 4,8 mm			
			stroke: 25 mm		air consumption: 3,5 L			
			noise: < 75 dB(A) _(68,32)		working power at 7 bar: 18700N			
			weight: 2,34 kg		hose connection: G 1/4 inside, installation left or right side			
special accessory ► page 138			CE					

No. 320.123.000.000



- The BZ 123A handles **high strength blind rivets** of the Honsel/ VVG series FERÖ-BULB and FERÖ-BOLT (pages 42-45) perfectly.



9

1

Special Tool Options and Accessory

BZ 102 / 103 Axial

Pneumatic-Hydraulic Tool
with *permanent and*
intervall mandrel
exhaustion

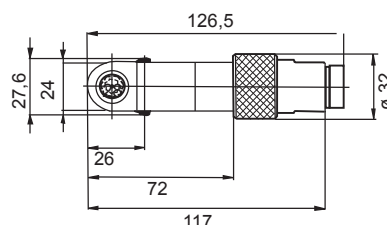


	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium									
Steel									
Stainless steel									
Copper alloys									
weight	2,1 kg								
height		365 mm							
stroke		18 mm							
max. mandrel-ø		3,8 mm							
tensile force at 7 bar	11700 N								
noise		< 75 dB(A) _(68,32)							
pressure		5-7 bar							
air consumption		2,4 litre							
content	4 nosepieces 1 re-fill unit	1 set of clamping jaws 1 mandrel collector							
hose connection	ø 1/4" inside, installation left or right side								
options	• balancer • mandrel conduction adapter • mandrel conduction hose • mandrel conduction box								

The new option for axial handling with the approved pneumatic-hydraulic tools of the Honsel/VVG BZ-series.

No. 320.102.000.000/5

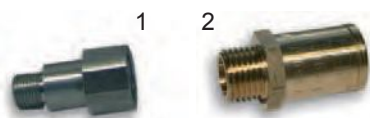
Rivet Angle Head for BZ Blind Rivet Tools



Rivet angle heads for difficult to reach positions are available on request.

No. 321.102.000.600

For optimized handling we suggest the following accessory for all HONSEL-/VVG-Tools:



1



2



3



5



6



4

- Pivoting threaded pipe angle (3), aluminium No.: 321.121.000.053 1-1
- Pivoting threaded pipe angle (3), stainless steel No.: 321.121.000.053 2-1
- Valve extension (1) No.: 321.121.000.052 1-1
- Pressure reducing valve (2) No.: 321.000.141.360 1-1
- Pivoting threaded pipe angle (3) including fabric tube with 1/4" external thread and hose coupling (4) No.: 321.121.000.053 3-1
- Screw-in hose connector -set- G 1/4" 6 mm (5) No.: 321.121.000.057 1-1
- Screw-in hose connector -set- G 1/4" 9 mm (6) No.: 321.101.000.058 1-1



Additional connections for compressed-air available on request



For undisturbed operation Honsel-/VVG-Tools need a continuous, periodic maintenance.
Make sure that for BZ-Tools clean and dry, for VNG-Tools clean and lubricated compressed air is available.
We advise the use of filter pressure reducers (BZ) or compressed-air service units (VNG).

- Compressed-air service unit (Pressure reducer/oil fog lubricator (VNG-Serie) No.: 320 847 000 000
- Pressure reducer (BZ-Series) No.: 320 848 000 000

Additional accessory as for example balancer, spiral coiled tubes or compressors are available on request.
Spare parts, special nosepieces or useful special attachments are shown in ► chapter 10, pages 135 et sqq.



Battery Tool for Blind Rivets



RIVDOM Battery Tool for Blind Rivets

THE NEW DIMENSION OF INDEPENDENT BLIND RIVET HANDLING



Note: Picture above shows Rivdom with LI-ION battery -large- (321.400.000.021)



Sturdy plastic case with metal locks in an attractive sales packaging



Battery -large-
14,4V / 3,0 Ah



Battery -standard-
14,4V / 1,5 Ah



Premium, compact
quick-charger



- LI-ION battery -standard- (14,4V / 1,5 Ah)
No. 321.400.000.020
- LI-ION battery -large- (14,4V / 3,0 Ah)
No. 321.400.000.021
- Rivdom quick-charger
No. 321.400.000.001

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium									
Steel									
Stainless steel									
Copper alloys									
content									
• 4 nosepieces									
• 1 mandrel collector									
• 1 battery 14,4V / 1,5 Ah									
• 1 quick-charger 14,4V									
optional									
• battery 14,4V / 3,0 Ah									



No. 320.400.000.000



9

3

Pneumatic-Hydraulic Tools for Blind Rivet Nuts and Blind Rivet Bolts

VNG 703

Pneumatic-Hydraulic Tool
force controlled



New Version - Force controlled
User-friendly design - easy handling



- the control by the adjustment of the necessary power guarantees an optimal and gentle setting of the blind rivet nut
- fast processing
- automatic screwing of the blind rivet nut by a slight push on the trigger
- automatic remove of the blind rivet nut after operating
- perfectly suited for the treatment of **OPTO-multigrip blind rivet nuts** (► pages 64/65)



	M3	M4	M5	M6	M8	M10	M12
		Aluminium					
		Steel					
		Stainless steel					
		Steel					
Content • conversation kits for blind rivet nuts • 1 bottle hydraulic oil / incl. re-fill unit		pressure: 5-7 bar		air consumption: 4,4 l			
		stroke: 9 mm		revolutions per minute: screwing 1800			
		noise: < 75 dB(A) _(68,32)		removing 2500			
special accessory ► page 139		2,5 kg		working power at 7 bar: 20000 N			
		CE		hose connection: G 1/4 inside, installation left or right side			

No. 320.703.000.000



VNG 753 Pneumatic-Hydraulic Tool

- Special tool with extra big stroke for processing of **SFM-PL folding blind rivet nuts** (► page 71)

For details about this tool and the handling please contact our country representations or the VVG sales team.





The Powerful Solution.
Well engineered - perfect stroke adjustment



VNG 903
Pneumatic-Hydraulic Tool
stroke controlled



- noise reduced
- optimized ergonomics
- new package
- all necessary spare parts included
- new instruction manual



	M3	M4	M5	M6	M8	M10	M12
		Aluminium					optional
		Steel					optional
		Stainless steel					optional
		Steel					
Content • conversation kits for blind rivet nuts • 1 bottle hydraulic oil / incl. re-fill unit		pressure: 5-7 bar		air consumption: 7,5 l			
		stroke: 9 mm		revolutions per minute: screwing 1800 removing 2500			
		noise: < 75 dB(A) _(68,32)		working power at 7 bar: 29000 N			
special accessory ► page 139				hose connection: G 1/4 inside, installation left or right side			
		2,7 kg					

No. 320.903.000.000

- automatic screwing of the blind rivet nut by pushing on the mandrel
- adjustable removing time
- automatic screwing-stop



- For useful air pressure accessory take a look on ► page 128.

Big Stroke Tool for Folding Blind Rivet Nuts

	M3	M4	M5	M6	M8	M10	M12
				Steel			
hose connection: G 1/4 inside, installation left or right side			pressure: 5-7 bar		air consumption: revolutions per minute: screwing 1800 U/min. removing 2500 U/min.		
			stroke: 8-15mm				
			 2,9 kg		working power (7 bar): 19000 N		

No. 320.753.000.000



Honsel Umformtechnik GmbH is a manufacturer of joining elements and delivers also, in its capacity as system supplier, riveting equipment and units.

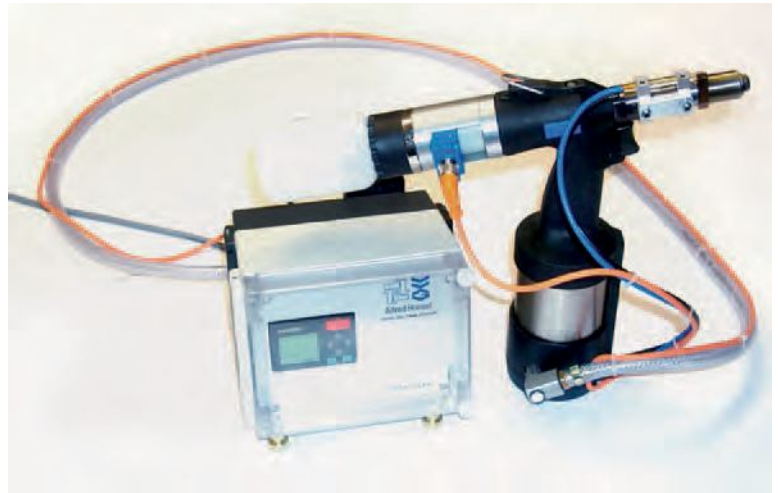
The spectrum covers manually operated riveting units, partly automated solutions and fully automatic riveting systems.

On request, the riveting equipment can also be equipped with "DMSD" process monitoring or with the "Poka-Yoke" system.

Not only ready solutions are taken from the kit in order to meet the customer requests.

Also special machines are developed completely after customers' need.

On base of tested systems, customized solutions are developed. Also modernizations and expansions of existing installations are among the special performances.



Rivet tool BZ 101 A Poka-Yoke



Partly automated feeding system ALFOMATIC BZ 101 A

An integrated strain gauge measuring strip (DMS) for the force measurement and an integrated distance measuring system make it possible to record and check the entire force-distance curve of the setting process and if the correct number of rivets has been placed.

The process result of DMSD USB process monitoring is equipped with a Honsel control and will be displayed on a two-colored LED at the rivet tool.

A PC with the DMSD PC program is required to visualize the force-distance curves and adapt them to the setting process.

The current version of DMSD process monitoring is equipped with a Siemens PLC S7 313C and a touch panel TP277.

The force-distance curves have already been visualized by the touch panel.

Further possibilities are: switches on/of, the profi-bus, processing of a barcode, printing of labels and storage of the process data.



Tool for rivet nuts VNG 802 DMSD



Rivet tool BZ 101 A DMSD USB

RivSys VNG 802 DMSD
at the robot



Rivet component Riwo BZ 121 A



Rivet tool BZ 101 A DMSD WNK

Special nose pieces, extended front sleeves and different angular heads are prepared for badly accessible prefabricated parts.
For the industrial application, the torn-off mandrel will be suctioned off automatically in a big mandrel container after the riveting process.
The fully automatic rivet feeding system, the process automation and the process monitoring are important components for the full automatic processing of blind rivets, special rivets, blind rivet nuts, blind rivet bolts and expander plugs.
Besides the component delivery, also complete rivet machines are realized after customized requests.



Double riveting machine



Rivet nuts component Riwo VNG 802 DMSD



Work on the rivet appliance in standing



HONSEL-SERVICE-CENTER

Besides development and production of pneumatic-hydraulic tools or custom machines as shown on the pages before, HONSEL-VVG provides a fast, professional and comprehensive service by well trained and experienced maintenance and repair specialists.

In addition we support our customers covering all questions for a smooth, long-standing operation with

- spare parts
- repair tools
- repair and handling trainings (on request)
- rental machines
- videos
- spare part lists and drawings
- repair instruction and manuals

to keep your HONSEL-VVG-tool running!





HONSEL/VVG-tools are constructed for long running periods with many years of daily use.

We provide the whole range of spare parts and accessory.

Our specialized service-center is able to customize all parts individually to optimize every case of application.



101

Spare Parts and Accessory for Blind Rivets

Tools	BZ 2	BZ 44	BZ 50/70	BZ 52/72	BZ 58	Multi 151	Multi 1	Multi 5	BZ 103 A	BZ 123 A	Random
Spare Parts											
Clamping screw	311.002.000.008	311.044.000.007					311.100.000.023	311.500.000.008			
Pressure spring	311.002.000.007	311.044.000.006	311.045.000.013	311.045.000.013	311.500.000.007	311.151.000.010	311.100.000.022	311.500.000.007	311.045.000.013	311.045.000.013	321.300.100.021
Vacuum nozzle									321.121.000.121	321.221.000.014	
Guide sleeve	311.002.000.006	311.044.000.005	311.055.000.020	321.120.000.010	311.500.000.006	311.151.000.005	311.100.000.021	311.500.000.006	311.055.000.020	321.120.000.010	321.300.100.017
Clamping jaws	311.002.000.132	311.002.000.132	321.070.000.241	321.120.000.011	311.500.000.005	311.151.000.006	311.100.000.026	311.500.000.005	321.070.000.241	321.120.000.011	321.300.100.020
Clamping sleeve	311.002.000.040	311.044.000.003	311.045.000.010	311.052.000.007	311.500.000.004		311.100.000.025	311.500.000.004	311.045.000.010	321.120.000.012	321.300.100.016
Nosepiece											
2,4	311.002.000.024	311.002.000.024					311.100.000.240		321.070.000.240		321.300.100.022
3,0 / 3,2	311.002.000.123	311.002.000.123	321.085.000.123			311.151.001.030	311.100.000.123	311.100.000.123	321.085.000.123		321.300.100.023
4,0	311.002.000.124	311.002.000.124	321.085.000.124	321.120.000.124	311.100.000.124	311.151.001.040	311.100.000.124	311.100.000.124	321.085.000.124	321.120.000.124	321.300.100.024
4,8 / 5,0	311.002.000.125	311.002.000.125	321.085.000.125	321.120.000.125	311.100.000.125	311.151.001.050	311.100.000.125	311.100.000.125	321.085.000.125	321.120.000.125	321.300.100.025
6,0			321.082.000.126	321.120.000.126	311.500.000.126	311.151.001.060		311.500.000.126		321.120.000.126	
6,4 (8,0)				321.120.000.127	311.500.000.127	311.151.001.064		311.500.000.127		321.120.000.127	
Front sleeve			311.050.000.015	311.052.000.001	311.058.002.006	311.151.000.001	311.100.000.019	311.500.000.003	321.101.000.016	321.121.000.016	321.300.100.015
Mandrel container			311.047.000.019	311.047.000.019					321.082.000.010	321.082.000.010	
Drawing tube			311.050.000.004	311.050.000.004	311.058.002.007						
Lock nut			311.050.000.026	311.050.000.026							
Connecting piece			311.050.000.010	311.052.000.004							
Cheese head bolt with c-ring									321.101.000.027	321.101.000.027	
Covering						311.151.000.009					



Tools		VNG 255	VNG 361	VNG 612	Multi 151	Multi 1	Multi 5	VNG 701	VNG 802	VNG 703	VNG 903
Spare parts											
Nosepiece blind rivet nuts	M3	311.800.000.203	311.800.000.203		311.151.002.003	311.100.002.003		311.800.000.203		311.800.000.203	
	M4	311.800.000.204	311.800.000.204	311.800.000.204	311.151.002.004	311.100.002.004	311.100.002.004	311.800.000.204	311.800.000.204	311.800.000.204	311.800.000.204
	M5	311.800.000.205	311.800.000.205	311.800.000.205	311.151.002.005	311.100.002.005	311.100.002.005	311.800.000.205	311.800.000.205	311.800.000.205	311.800.000.205
	M6	311.800.000.206	311.800.000.206	311.800.000.206	311.151.002.006	311.100.002.006	311.100.002.006	311.800.000.206	311.800.000.206	311.800.000.206	311.800.000.206
	M8		311.800.000.208	311.800.000.208	311.151.002.008		311.500.002.008	311.800.000.208	311.800.000.208	311.800.000.208	311.800.000.208
	M10		311.800.000.210	311.800.000.210			311.500.002.010	311.800.000.210			311.800.000.210
Mandrel	M12			311.800.000.212					311.800.000.212		311.800.000.212
	M3	311.800.000.030	311.800.000.030		311.151.003.003	311.100.003.003		311.800.000.030		311.800.080.030	
	M4	311.800.000.040	311.800.000.040	311.612.000.040	311.151.003.004	311.100.003.004	311.100.003.004	311.800.000.040	311.800.000.040	311.800.080.040	311.800.080.040
	M5	311.800.000.050	311.800.000.050	311.612.000.050	311.151.003.005	311.100.003.005	311.100.003.005	311.800.000.050	311.800.000.050	311.800.080.050	311.800.080.050
	M6	311.800.000.060	311.800.000.060	311.612.000.060	311.151.003.006	311.100.003.006	311.100.003.006	311.800.000.060	311.800.000.060	311.800.080.060	311.800.080.060
	M8		311.800.000.080	311.612.000.080	311.151.003.008		311.500.003.008	311.800.000.080	311.800.000.080	311.800.080.080	311.800.080.080
Nosepiece Ribbolt	M10		311.800.000.100	311.612.000.100			311.500.003.010		311.800.000.100		311.800.080.100
	M12			311.612.000.120					311.800.000.120		311.800.080.120
	M4	311.800.000.204	311.800.000.204		311.151.007.004	311.100.002.004	311.100.002.004	311.800.000.204	311.800.000.204	311.800.000.204	311.800.000.204
	M5	311.800.000.205	311.800.000.205	311.800.000.205	311.151.007.005	311.100.002.005	311.100.002.005	311.800.000.205	311.800.000.205	311.800.000.205	311.800.000.205
	M6		311.800.000.206	311.800.000.206	311.151.007.006	311.100.002.006	311.100.002.006	311.800.000.206	311.800.000.206	311.800.000.206	311.800.000.206
	M8		311.800.000.208	311.800.000.208	311.151.007.008		311.500.002.008		311.800.000.208		311.800.000.208
Threaded sleeve Ribbolt	M4	321.800.001.004	321.800.001.004		311.151.004.004	311.100.004.004	311.100.004.004	321.800.001.004	321.800.001.004	321.800.009.004	321.800.009.004
	M5	321.800.001.005	321.800.001.005	311.612.000.205	311.151.004.005	311.100.004.005	311.100.004.005	321.800.001.005	321.800.001.005	321.800.009.005	321.800.009.005
	M6		321.800.001.006	311.612.000.206	311.151.004.006	311.100.004.006	311.100.004.006	321.800.001.006	321.800.001.006	321.800.009.006	321.800.009.006
	M8		321.800.001.008	311.612.000.208	311.151.004.008		311.500.004.008		321.800.001.008		321.800.009.008
Front sleeve			311.351.000.005	Front sleeve blind rivet nut	311.151.000.001	311.100.000.119	311.500.000.025	321.701.000.024	321.703.000.024	321.903.000.016	
Drilling rod			311.361.001.000	Adapter for mandrel	311.151.000.007		Cheese head bolt with o-ring	321.101.000.027	321.101.000.027	321.101.000.027	
Drilling ball			311.350.000.383	Nosepiece holder	311.151.000.008		Lock nut M8	321.801.000.075	321.801.000.075		
Drilling screw			311.300.000.312	Covering	311.151.000.009		Lock nut M9			321.802.191.075	321.802.191.075
Knurled screw			311.361.001.001	Pressure spring	311.151.000.010		Lock nut M18x1	321.801.000.074	321.801.000.074	321.801.000.074	321.801.000.074

**10**¹

Nosepieces BZ-Series

Nosepieces FERO®-BOLT Rivet

ø 4,8 mm 361.121.008.401
 ø 6,4 mm 361.121.008.601



Facade Nosepieces for 5 mm Blind Rivets



Head 11	BZ 103 A (102 A, 101, 101 A, 11 A)	321.085.000.511
Head 14	BZ 103 A (102 A, 101, 101 A, 11 A)	321.085.000.514
Head 11	BZ 123 A (122A, 121 A)	321.120.000.511
Head 14	BZ 123 A (122A, 121 A)	321.120.000.514

Extended Nosepieces (17 mm)

BZ 103 A (and forerunner)

ø 3,2 321.085.000.323
 ø 4,0 321.085.000.324
 ø 4,8/5,0 321.085.000.325

BZ 123 A (and forerunner)

ø 4,0 321.120.000.324
 ø 4,8/5,0 321.120.000.325
 ø 6,0 321.120.000.326
 ø 6,4 321.120.000.327



Special Nosepieces



It is possible to develop and produce special nosepieces for every blind rivet type and dimension. Due to our big warehouse stock we can realize special demands within short terms.

CERTO® Nosepieces

ø 3,2 321.070.000.240
 ø 4,0 321.085.009.124
 ø 4,8/5,0 321.085.009.125



General Accessory

Wind Deflector

Deflecting the exhaust air in a special direction.
 For all BZ-tools with standard mandrel collector.

No. 321.101.000.091



Extended Mandrel Collector

For the use of long blind rivets or blind rivets with longer mandrel.

No. 321 221 000 065



Oil Re-fill Unit

Adapter, bottle of hydraulic oil and syringe for re-fill of hydraulic oil in all pneumatic-hydraulic BZ- and VNG tools.

No. 321.101.006.467



Stroke Locking Ring

To avoid unintentional shifting of the stroke.

VNG 701: No. 321 701 000 080

VNG 801/802/903: No. 321 801 000 080





Perfect achievement of difficult to access rivet positions.
Individually adapted frontsleeves according to customers demand.

Extended Front Sleeves



Comparison of
extended (330 mm),
standard and
shortened front sleeves.



Adjustable Front Sleeves

For optimal adjustment of clampig jaws with
special blind rivets or blind rivets with big
mandrel diameter.



Front Sleeves for the Assembly of Hand Tools into Stationary Installations

The tool can be installed for example in a table to with
the help of two counter nuts on this front sleeve.



**HONSEL-VVG supplies different possibilities to optimize the discharge
of mandrels at a higher rivet emergence. Please ask for details.**



Adapter for
mandrel discharge



Checking device for
identification of mandrels



Trigger for
foot control



Big size mandrel container



Boost of discharge



Special Nosepieces and Mandrels

Unlimited possibilities.

We produce individual special nose pieces, special
mandrels and bushes on customers demand for
example as extended version, for coarse threads,
UNC/UNF or internal riveting positions.



Extended Front Sleeves

Perfect achievement of difficult to access rivet
positions. Available for all VVG-tools on request.

