RIVKLE® EP X009

Smart Process Control

MeFaCo
INDUSTRIAL FASTENERS AND TOOLS

BÖLLHOFF

Process Control

Available for the whole range of power tools:
RIVKLE® P1007 - P2007 - P3007

Control process based on stroke monitoring: EP X009 compares real stroke to predefined one

LED indicator on EP box and on the rear of the tool

Advantages:

- Ensures repeatability of RIVKLE® settings
- Detailed error reporting for better correction and prevention
- Ensures optimum setting of RIVKLE®

Tactical screen human interface (3,5")

Fast connection multi-energy hose (5 m standard; 10 & 15 m as option)

Fault acknowledgment on screen (air supply)

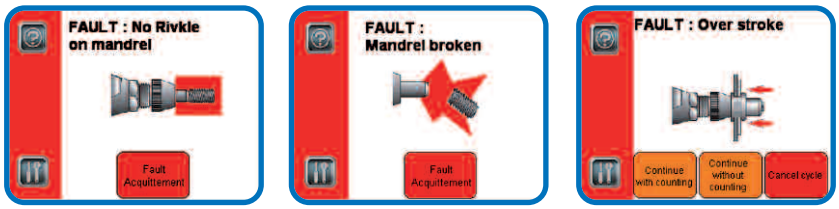
		ø RIVKLE®							
		M3	M4	M5	M6	M8	M10	M12	M14
EP 1009	**282 522** 15000	■	■	■	■				
EP 2009	**282 522** 16000		■	■	■	■	■		
EP 3009	**282 522** 17000					■	■	■	■
EP 2009 PN	**282 522** 18000		■	■	■	■			
EP 3009 PN	**282 522** 19000					■	■	■	■

Control box EP-BOX

Fault detection:

Multi-fault management : information on screen:

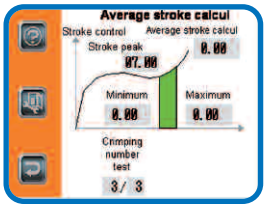
- Cycle without RIVKLE® detection*
- Material too thin or thick
- Broken mandrel detection
- Incomplete RIVKLE® screwing (no anvil contact)



Air supply is cut when a fault occurred; user must acknowledge on screen, with or without counting the part.
*No RIVKLE® on the mandrel is a minor fault, the air is not cut as default.

Ergonomic and simple set up:

Automatic setup: set 3 RIVKLE® in the application.
The tool adjusts itself and defines the control value and its tolerance offset.
A manual mode allows the user to save values directly (frequent RIVKLE® type change for example).



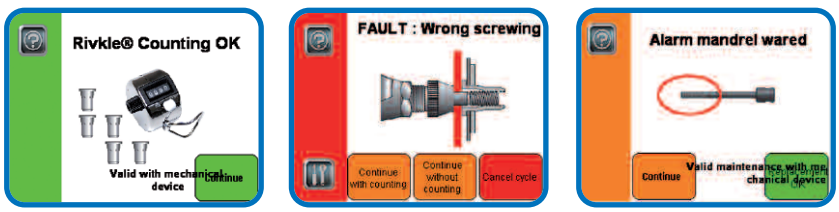
Counter:

Counter options with 3 uses:

1. Validate that the correct number of RIVKLE® have been set per application (good settings only)
2. Follow the wear of setting mandrel (preventive maintenance)
3. Follow the maintenance schedule of the tool itself (preventive maintenance)

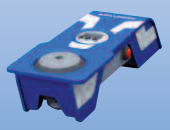
If a fault occurs during a setting the user will have choice between:

- Continue without counting the part (e.g. if the RIVKLE® is removed)
- Continue while counting (e.g. defect is acceptable)
- Cancel the sequence (e.g. complete part scrapped)



RIVKLE® EP X009

Accessories and options

	KIT				Force controller
					
RIVKLE® EP 1009	**236 157** 00 301	Kg 2 - 3 Kg **282 590** 10 820	Kg 2,2 - 4 Kg **282 590** 10 665	Kg 2,2 - 4 Kg **282 590** 10 664	**282 522** 14000
RIVKLE® EP 2009	**236 156** 00 301				
RIVKLE® EP 2009 PN					
RIVKLE® EP 3009 PN		Kg 4 - 6 Kg **282 590** 10 152	–	–	
RIVKLE® EP 3009	**236 159** 00 301				

Acknowledgement by key

Acknowledgement by button

Acknowledgement by RFID

Stack light repeater

Multi-energy hose

- 5 m (standard)
- 10 m
- 15 m

Tooling

				ø RIVKLE® ISO								
RIVKLE® EP 1009 / EP 2009				M3	M4	M5	M6	M8	M10	M12	M14	M16
Mandrel			**236 113** XX 020	03	04	05	06	08	10	*(1)	–	–
			376 113 XX 020	–	04	05	06	08	*(3)	–	–	–
Anvil			**236 113** XX 030	03	04	05	06	08	10	*(2)	–	–
			376 113 XX 030	–	04	05	06	08	*(4)	–	–	–
RIVKLE® EP 3009												
Mandrel			**236 159** XX 020	–	–	–	–	08	10	12	14	16
Anvil			**236 159** XX 030	–	–	–	–	08	10	12	14	16
RIVKLE® EP2009 PN												
Mandrel			**236 913** XX XXX	–	04 094	05 094	06 127	08 101	*(5)	–	–	–
Anvil			**236 913** XX XXX	–	04 086	05 095	06 128	08 087	10 010	–	–	–
RIVKLE® P3009 PN												
Mandrel			**236 913** XX XXX	–	–	–	–	08 101	*(5)	–	–	–
Anvil			**236 913** XX XXX	–	–	–	–	08 087	10 010	–	–	–

*(1) = **236 153** 12 020 *(2) = **236 153** 12 030 *(3) = **376 913** 10 020 *(4) = **376 913** 10 030 *(5) = **236 913** 10 006

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