

TC50

Riveting tools for threaded rivets with checking of the TC process

Technical sheet

Technical parameters:

Type	TC 50
Maximum pressure	7 bar
Draw force	23,5 kN/6 bar
Working stroke	1,5 – 5,0 mm
Weight	2,2 kg
Output – Force / Weight	10,68 kN/kg
Height	255 mm
Length	292 mm
Hose connection	ø 6 mm (G 1/4")
Consumption of air per 1 rivet	4,6 l
Consumption of engine air	23,3 l/min
Level of acoustic pressure	$L_{PAI} = 86 \text{ dB(A)}$
Vibrations (ISO/FDIS 8662-11)	$a_{hw} < 2,5 \text{ m/s}^2$

Scope of use:

Rivet thread	M3	M4	M5	M6	M8	M10	M12
Aluminium	✓	✓*	✓*	✓*	✓*	✓	✓
Brass	✓	✓*	✓*	✓*	✓*	✓	
Steel	✓	✓*	✓*	✓*	✓*	✓	
Stainless	✓	✓*	✓*	✓*	✓*	✓	
Mandrels and noses included in the package		✓	✓	✓	✓	✓	

* including threaded bolts



Description of tools:

- 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 at small dimensions
- one button control
- exact fluent stroke adjustment
- simple operation, reliability
- low noise
- ergonomic handle – fits into the hand well
- low value of transferred vibrations
- rotary joint air connection
- supply of pressured air optional from right or left which can be very easily modified for right or left-handed persons
- button for manual running of left engine revolutions
- curtain
- safety over-pressure valve

TC system manages to distinguish:

- absence of rivets
- rivets which do not correspond to the specification
- damaged or defective rivets
- absence of joining materials
- change in the quality of pre-drilled holes for rivets
- incorrect placing of the rivet into material
- incorrect placing of joined materials
- damaged or defective function of the riveting equipment



supply number: 99-0143

KRB evaluating unit

- ⦿ Necessary equipment for evaluation of the riveting process which can be connected to a PC



Standard accessories:

- ⦿ Noses and mandrels – see table
- ⦿ Set for adding oil
- ⦿ Air joint connection + Allen wrench for tightening air connection
- ⦿ User and Maintenance Manual, list of spare parts

Other optional accessories:

- ⦿ Internal-thread mandrels for threaded bolts M4 – M8
- ⦿ Prolonged mandrels and noses
- ⦿ Mandrels with metric thread with finer pitch
- ⦿ Mandrels with UNC, UNF thread