

Operating Instructions

Nr. 89/104-0

34-B

VON ARX

Operating Instructions Von ARX Needle Gun Type 34-B

VON ARX needle guns are heavy-duty precision tools. The following points should be observed carefully.

1. Operating and handling

Optimum performance is obtained at an operating pressure of 6-8 bar (85-113 psi). In order to ensure consistent performance, a water separator and a pressure gauge should be fitted between compressor and gun.

Important: Do not exceed the 8 bar (113 psi) operating pressure; otherwise the gun will cease working properly and may even be damaged.

2. Hose

The flexible hose (inside diameter $\frac{3}{8}$ "/10 mm) between the compressed air system and the unit should be as short as possible (30 feet/8 m at the most) in order to avoid pressure drop.

Important: Always clean the hose well before connecting it.

3. Maintenance and lubrication

The gun should be lubricated two or three times a day with relatively thin, resin-free, non-acidic, mineral oil. Pour the oil through the connector 510.00.11, not into the hose.

In order to minimise the effects of careless lubrication, we would recommend that on first using the gun and when servicing it the exterior and interior of the needle holder should be lightly greased with Molykote Rapid Paste G or with Acheson's Molydag 49 Record Paste. For normal greasing after use, Molykote highperformance grease or Acheson's high pressure Molydag 47 multipurpose grease are particularly recommended.

4. Changing the needles

Loosen the allen screw 792.60.51, and dismantle the gun, then change the needles.

Important: The needle holders should be fitted only with original VON ARX needles.

Assembly

Slide the needle holder 514.00.03 (or 514.00.02 or 514.00.04) with anvil

514.00.06 and spring 514.00.10 into the front tube 514.00.05 and assemble on the pistol body 514.00.01. Tighten screw 792.60.51.

Important: Fit only clean and undamaged parts.
Check correct assembly against drawing.

5. Resharping the needles

All needles should be ground to an equal length, cooling frequently so that the special steel does not dead-anneal.

6. Handle

The handle assembly 514.03.00 can be fastened on front tube with wing nut 792.61.16

7. General

Do not let the gun run idle; press lightly against the job when working. When stopping work, always stow the gun away out of contact with dirt. Do not hang the gun up by the trigger guard 510.00.07.

If the gun has not been used for some time, pour a little kerosene into the connector 510.00.11, allow the gun to function for about 20 seconds and then grease normally.

Thorough cleaning after using is a «must» for effective operation and trouble-free working.

8. Malfunctions

Should the gun become defective despite the above precautions, return it to our distributor. Do not try to repair it yourself.

9. Warranty

VON ARX needle guns are the result of many years of experience and are carefully constructed from the best materials. We therefore warrant the flawless operating of the gun, when properly used, for six months of single-shift working.

The warranty does not apply to damage due to careless handling, the use of impure air, defective lubrication or the results of normal wear and tear.

10. Specifications

Air consumption:	4.3 cfm	125 l/min
Number of strokes:	3500 min ⁻¹	
Weight:	6.68 lbs.	3.03 kg
Hose connection thread:	$\frac{3}{8}$ "	
Number of needles:	\varnothing 0.08"/2 mm: 65	
	\varnothing 0.12"/3 mm: 28	
	\varnothing 0.16"/4 mm: 19	

Design details subject to change without notice. Save these instructions