

## Instruction manual



CS INSTRUMENTS GmbH

# Spot drilling jig 1/2" VA 300

jig to drill holes in compressed air pipes under pressure



## **Important information**

The operating instructions must be read in full and carefully observed before starting up the device.

The manufacturer cannot be held liable for any damage which occurs as a result of non-observance or non-compliance with this manual.

Should the device be tampered with in any manner other than a procedure which is described and specified in the manual, the warranty is cancelled and the manufacturer is exempt from liability.

The device is destined exclusively for the described application.

CS Instruments offers no guarantee for the suitability for any other purpose and is not liable for errors which may have slipped into this operating manual. They are also not liable for consequential damage resulting from the delivery, capability or use of this device.

## **Intended use**

The spot drilling jig ½" has been designed to drill a 13 mm hole through a ½" ball valve into pressurized compressed air pipes, air ducts and funnels.

## **Safety instructions**

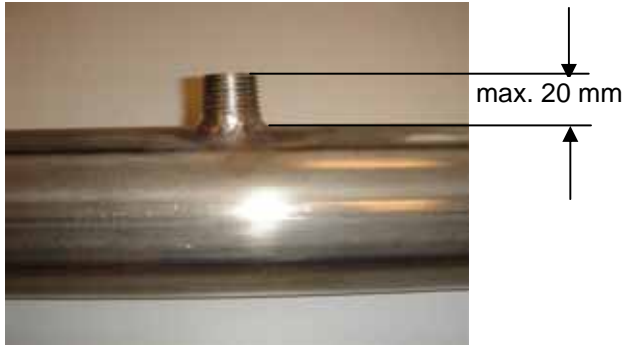
### **Must be read before starting using the device!**

#### **Warning:**

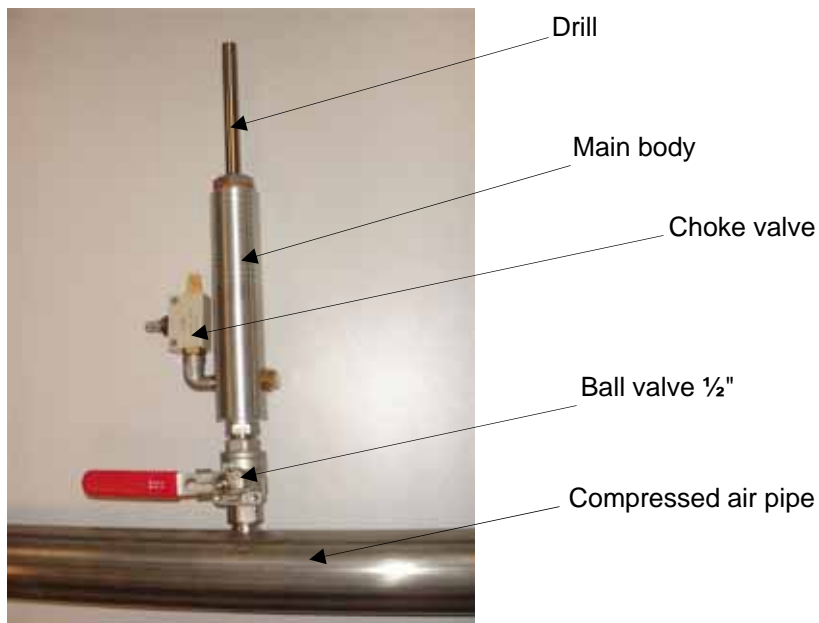
- Do not exceed the pressure range of 16 bar.
- Only qualified personnel is allowed to use it.
- Observe safety instruction regarding work at pressurized pipes.
- Drilling jig has to be mounted pressure tight onto the ball valve.
- Use a slowly turning power drill with appropriate safety features.

## Implementation

1. Weld on nipple. Nipple height maximum 20 mm.



2. Mount drilling jig pressure-tight onto a ½" ball valve.  
(possibly remove drilling chips from drilling jig)
3. Open choke valve by 3 turns counter clockwise.
4. Install power drill.
5. Open ½" ball valve.



6. Drill the hole with slow rotating power drill into the pipe. Drilling chips are pressed into the drilling jig because of the pressure.
7. Retrieve drill to stop position.
8. Close ball valve
9. Remove drilling jig
10. Once again open the ball valve slightly to blow out the remaining chips.

## Contact

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