

# HRD NOZZLE DN 80

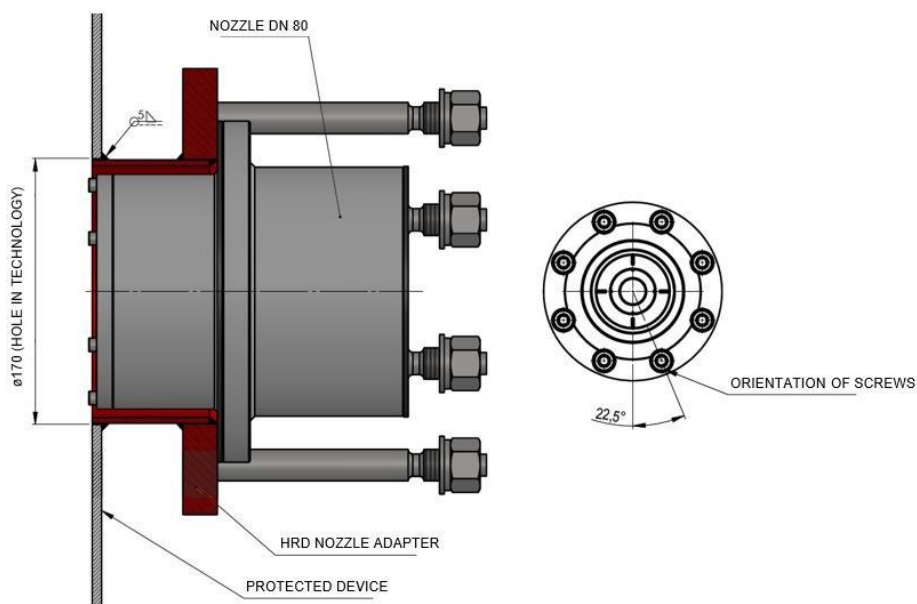
A nozzle used to insert the extinguishing powder into a protected device to suppress an explosion. Part of this nozzle is the so-called HRD adapter, which used to attach the nozzle to the protected device.



CLASSIFICATION	
Material of outer body	Stainless steel or carbon steel with anti-corrosion coating.
Material of nozzle	Stainless steel
Material of membrane	PTFE
Temperature resistant of nozzle	-30°C to +240°C

## The process of welding the nozzle:

In a particular application site is drilled a hole 170 mm in diameter into the technology. The HRD nozzle adapter DN80 is welded around the perimeter to the protected device by a 5 mm welding fitting according to ČSN EN ISO 4063 (see Fig.). The HRD adapter must be welded to the vertical axis so that the screws are between the axis (see flange orientation).



**NOTICE:**

The corner weld must be welded intermittently to avoid deformation of the HRD adapter outer body!

However, the perimeter weld must be solid, gas-tight and resistant to pressure! All weld joints need to be coated with a suitable coating.

**Procedure for mounting nozzle**

In a particular application site is drilled a hole 160 mm in diameter in technology. The HRD nozzle adapter DN 80 is mounted on the protected device via a flange using 8 pieces of M12 screws (galvanized, strength min. 10.9) on a 215mm pitch circle (see Fig.). The HRD adapter must be screwed against the vertical axis so that the screws are between the axis (see flange orientation).

