



## Individual shielding gas systems Additively manufactured trailing gas nozzles

### Advantages

- ✓ Optimum gas protection for perfect weld seams
- ✓ Adapted to your components and your welding tasks
- ✓ For all hand and machine torches
- ✓ Extremely resilient

### Our Offer

- ✓ Supply of individual trailing gas nozzles
- ✓ Analysis of your welding task considering the optimum gas shield
- ✓ Nozzle design and structural integration
- ✓ Accompanying commissioning in your production

### Individual production

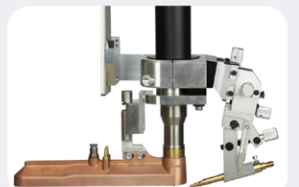
- ✓ Nozzle shape can be adapted almost arbitrarily to your component and torch geometry by 3D printing
- ✓ High thermal resistance due to highly conductive materials and optional water cooling

### Optimum gas protection

- ✓ Individually designed for your application
- ✓ Subsequent cleaning processes are considerably reduced or even avoided
- ✓ Short purging times and reduced gas consumption

### Perfectly integrated

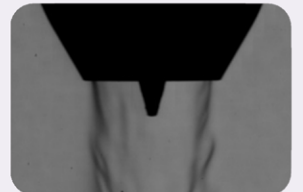
- ✓ Easy to implement in your system
- ✓ Simple media connection
- ✓ Quick replacement of wearing parts on nozzle and torch



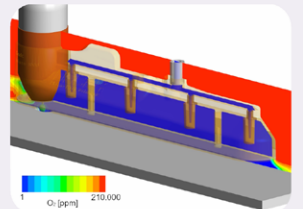
Trailing gas nozzle with torch



Trailing gas nozzles



Schlieren technique



Oxygen measurement

Kjellberg is certified acc. to  
**DIN EN ISO 9001**