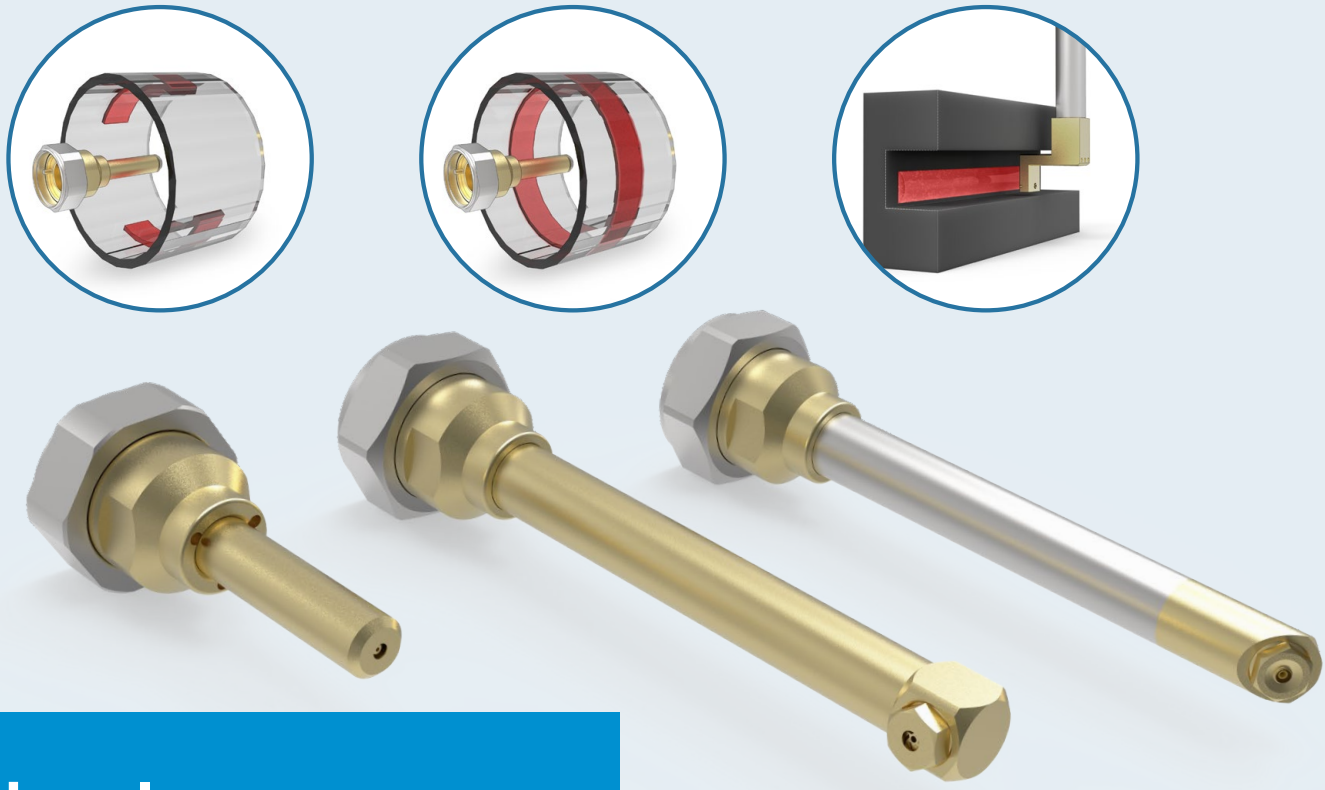


Nozzle Extensions

For versatile
Spray Patterns and
Hard-to-Access Application
Areas

DVLSID/ DVLSOD

Highlights/ Benefit

- Ideal for geometries such as undercuts, angled channels and cavities
- Available as standard configurations or manufactured according to installation-specific requirements
- Offered as straight, angled or curved variants, as well as with customised profile heads for complex shaped parts
- Precise alignment through optional indexing feature

When Standard Solutions Reach Their Limits: Greater Flexibility for Complex Geometries

Precision Right Into the Tightest Corners: WALTHER Nozzle Extensions.

WALTHER nozzle extensions enable precise material application to hard-to-access component areas such as deep bores and complex internal geometries. Designed as a system extension, they can be easily mounted onto existing spray valves, significantly expanding the application range. The nozzle extensions are engineered to withstand high thermal and chemical loads. Their stainless-steel design ensures corrosion resistance and a long service life. The range includes a variety of designs: from rigid, angled and curved tubes to extensions equipped with annular spray nozzles for 360° coating, segment nozzles for partial wetting applications, or customised profile heads. Thanks to precision manufacturing, the dynamics of the application process are maintained, supporting clean media cut-off without dripping or stringing. The extensions are available in various lengths and diameters and can also be manufactured to customer-specific requirements. This provides the necessary reach for demanding applications in the automotive industry, medical technology and mechanical engineering — for example when applying oils, greases, release agents and corrosion protection media.

The flexibility in geometry and design reduces the need for process-related feed movements in automated production lines, minimises contamination on components and ensures process-stable wetting while simultaneously reducing scrap rates.

Follow the QR-Code for additional product info

Technical Data

Inlet pressure (medium):
up to max. 50 bar

Tube diameter (Ø):
min. 2.5 to 13 mm

Standard lengths:
36 mm to 1,000 mm
(custom dimensions available)

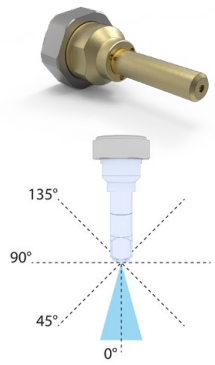
Sealing principles:
Inlet sealing (standard)
Outlet sealing (dead-space-free)

Optional features:
Reinforcement sleeves
Indexing (anti-rotation protection)

Tube materials:
Stainless steel, brass
Seal materials:
FKM

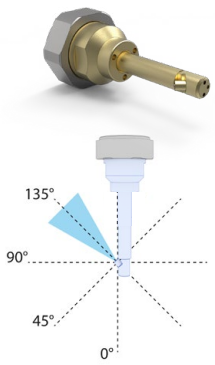
Various Types and Spray Patterns for Versatile Requirements: Examples

Straight – for front-facing applications



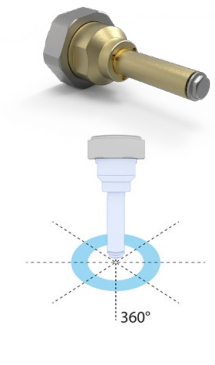
as solid stream, swirl solid stream and flat spray

Angled – for laterally directed applications



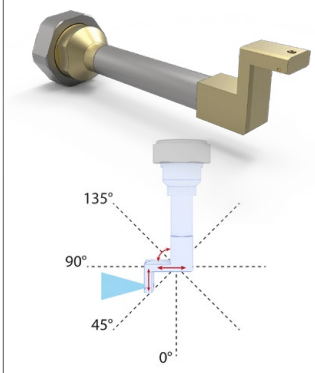
with 45°, 90°,135° discharge, as solid stream / swirl solid stream

Ring spray – for radially directed applications



also available for partial-wetting segment discharge

Profile head – for complex geometries



designed individually according to the component geometry

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