RECTANGULAR NOZZLE LR 14 / LR 14 RE

The rectangular nozzle LR 14 is among others suitable for use in continuous casting systems. The rectangular spray pattern covers the strand over the entire surface during the cooling phase. Therefore, a regular cooling can be ensured, which prevents uneven stresses within the structure. Through specific use of water, the process can be made more resource saving. The rectangular nozzle consists of the following 3 components, which are ordered separately (rectangular nozzle, welding adapter and cap nut).

SPRAY PATTERN

FULLCONE RECTANGULAR

NOZZLE AVAILABLE IN THE FOLLOWING MATERIALS

Stainless Steel
1.4305 (X8CrNiS 18-9)

Non-ferrous metal
brass (CuZn39Pb3)

CAP NUT AVAILABLE IN THE FOLLOWING MATERIALS

Non-ferrous metal
brass (CuZn39Pb3)

WELDING ADAPTER AVAILABLE IN THE FOLLOWING MATERIALS

Stainless Steel
1.4435 (X2CrNiMo 18-14-3)

CAPACITY CHART OF RECTANGULAR NOZZLE LR14/LR14RE

type	capacity (l/min) 2.8 bar (test pressure)	spray angle longitudinal L	spray angle transversal T
LR14 / LR14 RE	2.0 – 16.0	60° – 120°	18° – 70°

other capacities and angles on request

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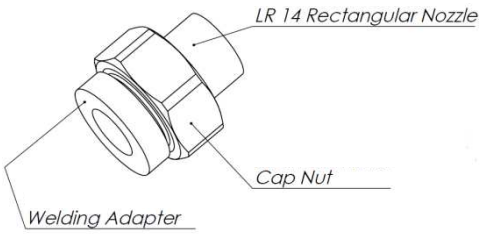
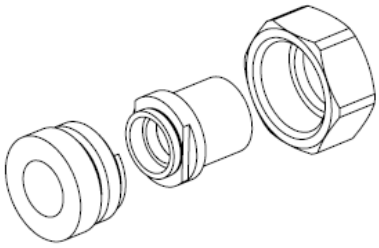
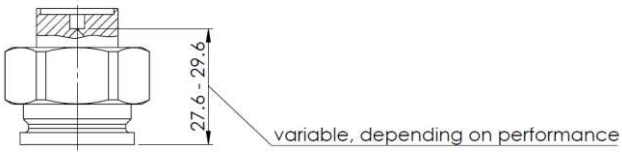
RECTANGULAR NOZZLE LR 14 / LR 14 RE

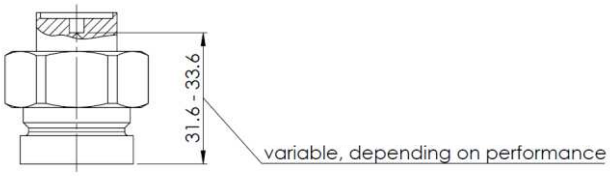
NOZZLE ASSEMBLING

To assemble the nozzle, a welding adapter is required, which is available in two different lengths and which determines the spraying direction of the nozzle.



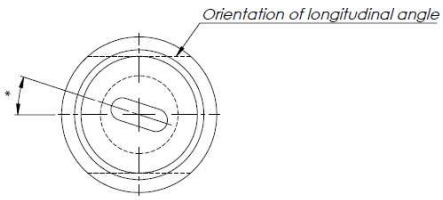


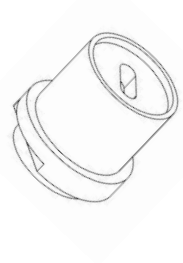


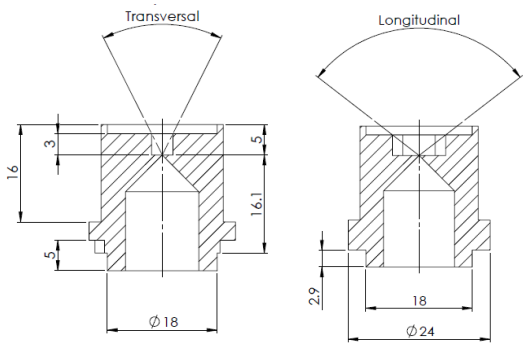


The groove of the welding adapter have to be welded **parallel** to the strand.

The longitudinal angle of the nozzle (parallel to the strand) need to be bigger than the transversal angle (cross to the strand).







* (e.g. LR 14 / 4-2.8-60°/30°) → 60°
** Angle is variable, depending on performance

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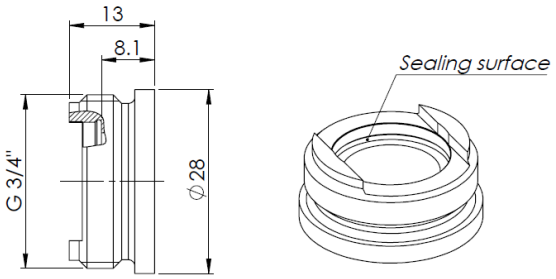
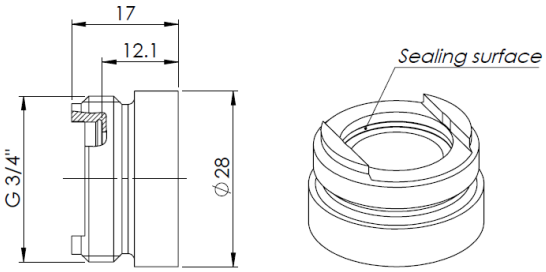
RECTANGULAR NOZZLE LR 14 / LR 14 RE

WELDING ADAPTER

Short version with a total length of 13 mm:



Standard version with a total length of 17 mm:



FOR ORDERING WE NEED FOLLOWING INFORMATION

Nozzle specification
type of material
desired longitudinal and transversal angle
desired capacity (l/min)
operating pressure (bar)
welding adapter (short or standard version)

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