

oerlikon
hrsflow

The new SA series

The ideal solution for technical applications with reduced weight



*Passion for
expertise*



Developed for processing techno-polymers applications, the new SA Nozzle Series is the ideal solution for technical applications with reduced weight (> 0.5 g) and thickness for all future challenges.

Main Benefits

- High flow rate: thanks to wide channel section, it's ideal for fast injection even with reinforced or viscous polymers.
- Compact solution: the reduction of the cutout allows a compact seat of the mold and reduces the pitch between 2 adjacent nozzles.
- High pressure resistance: the screwed-in nozzle solution is highly reliable as minimize the possibility of material leakages due to tool machining mistakes or wrong assembly operations.
- High aesthetical quality of the part with reduced weight and thickness: Sa Nozzle series has been optimized to reach the best thermal layout on nozzles ensuring the correct material management. Thanks to gate design is possible to inject components with a weight less than 1 gram and thickness less than 1 mm.
- Developed for techno-polymers: thanks to the special design of the tip and the end ring, the temperature in the gate area is optimized to process techno-polymers with a narrow process window (such as PA66, PBT...)

Field of applications

The solution is for automotive and non-automotive parts: from domestic appliances to electronics components, from technical applications to houseware & gardening.



Technical Features

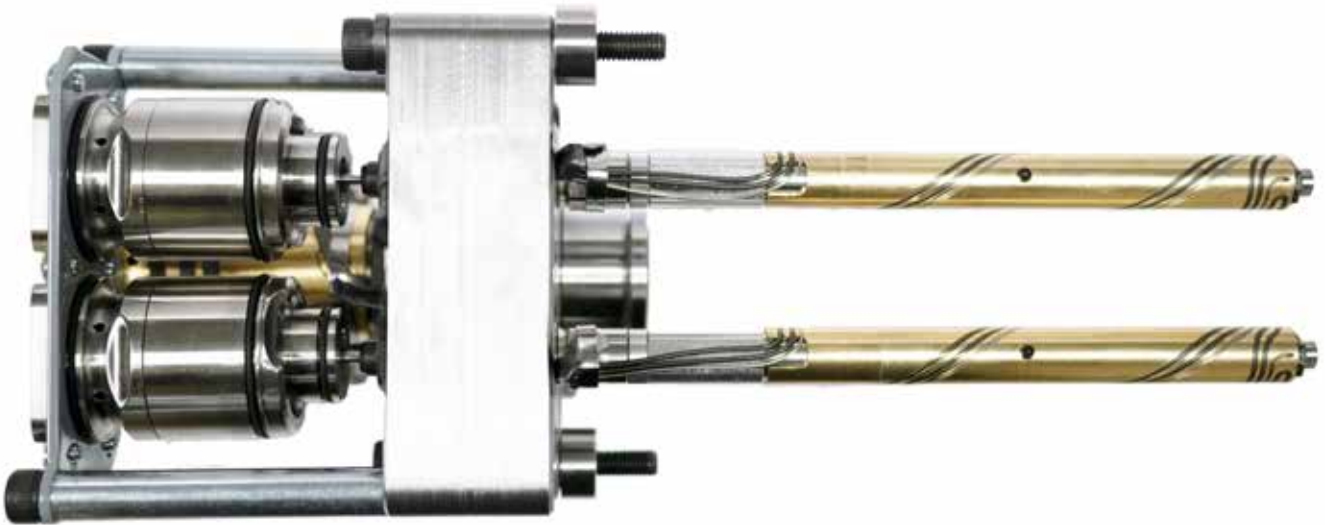
- Screwed-in solution.
- Available for Open Nozzle and Valve gate. All configurations are available with bushing through the cavity or gate on the cavity.
- Suitable for aesthetic parts, applications requiring color change, glass fiber and family tools.
- Ideal solution for overmolding, painting & coating.
- Available also for stack mold technology.
- Processable materials: PA6, PA66, PBT, POM, rubber, PP, PE, EPDM, ABS, PS, SAN, PC, PMMA and much more after evaluation of our application engineer experts.

Thermal gate injection

Nozzle cut out	Ø 20 mm
Nozzle length	60 ÷ 210 mm
Ø Nozzle channel	Ø 6 ÷ 4 mm
Hot runner manifold	40 mm (cut out 65 mm)
Nozzle-inlet minimum pitch	40 mm
Nozzle minimum pitch	24 mm

Valve gate injection

Nozzle cut out	Ø 20 mm
Nozzle length	60 ÷ 210 mm
Ø Nozzle channel	Ø 6 ÷ 5 mm
Hot runner manifold	40 mm (min cut out 120 mm)
Nozzle-inlet minimum pitch	70 mm
Nozzle minimum pitch	37 mm (on manifold) 46 mm (on plate)



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