



Barnes Molding Solutions is the expert cluster for molds, hot runners and controls for industrial plastic injection molding. Our brands Foboha, Männer, Synventive, Thermoplay, Priamus and Gammaflux are leaders in their field. We have a comprehensive and in-depth understanding of the automotive, medical, packaging and electronics industries. We support our customers with sophisticated and powerful technologies through to customized turnkey solutions.

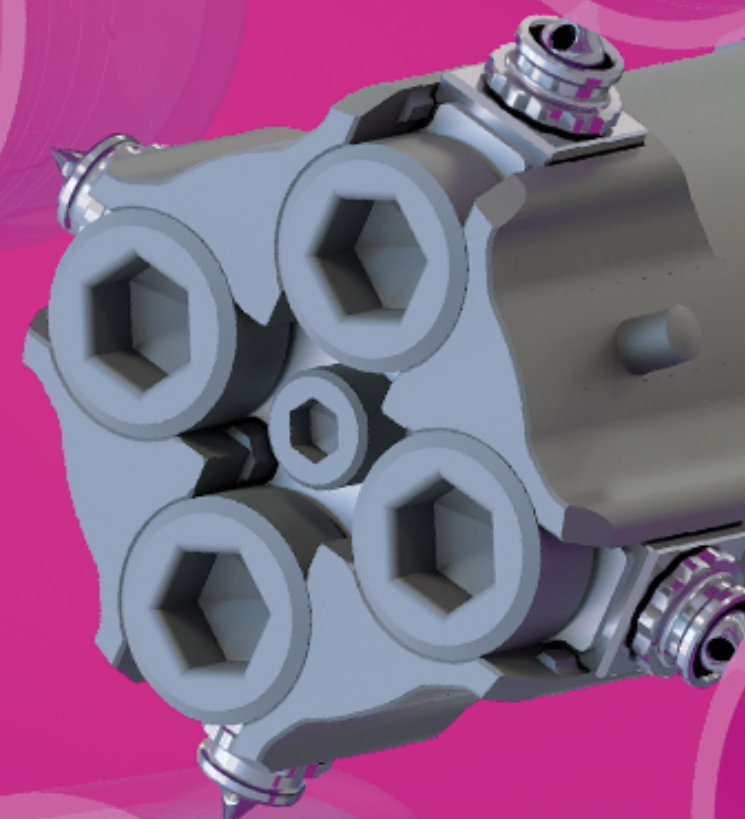
barnesmoldingsolutions.com



User-Friendly Open Hot Runner

Direct Side Gating

Side Gate 2024/07 Technical Specifications subject to change.



Fits Perfectly
In Your Mold Design.

The side gate nozzle is available in various sizes and geometries for different volumes, making it flexible and suitable for use in almost any mold design.

Loves Demanding
Plastics.

Of course, you can also process standard materials. But the THS can do more. Even with highly glass fiber-reinforced and mineral-filled plastics or materials with narrow process windows, the nozzle impresses with a homogeneous temperature profile.

Tip Change
In 8 Minutes.

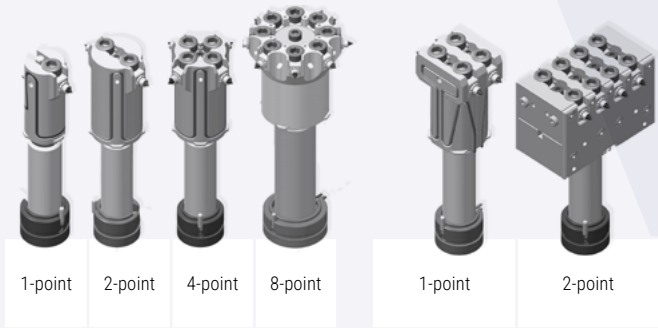
Since side gate nozzles, by design, always extend into the tool insert, it is crucial for the user to know how difficult disassembly will be during maintenance or in the event of a malfunction. Without needing to remove the tool, the tips can be easily and quickly changed, serviced, or a cavity temporarily deactivated at the parting line.

Thermal Separation For
Reduced Energy Consumption!

A circular seal between the nozzle tip and the tool ensures thermal separation. The resulting low heat transfer into the cavity leads to reduced energy consumption and allows for shorter cycle times.

And The Injection Point?
Barely Visible!

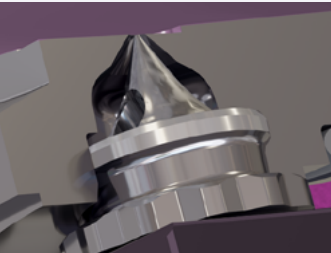
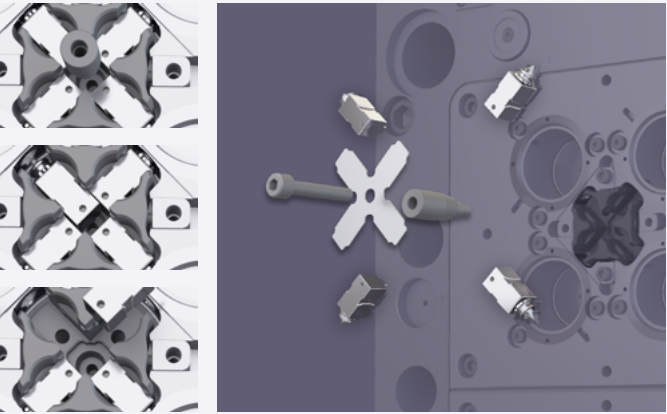
The circular seal not only ensures thermal separation but also creates a cosmetic injection point. The barely noticeable gate can therefore be safely placed in visible areas.



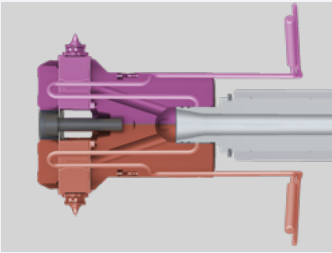
Radial Side Gate

Linear Side Gate

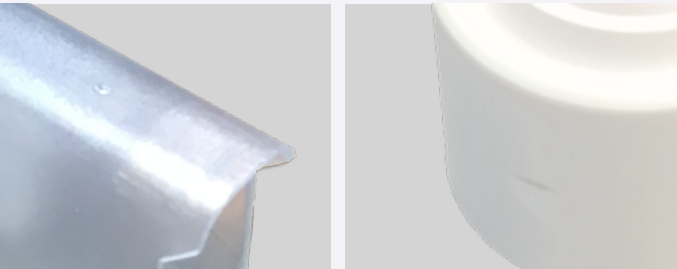
Nozzle	THS 12	THS 18	THS 24	PP	PA66	PMMA	PETG
Polyolefins/ Low Viscosity	6 g	20 g	40 g	PE	PC	COC	ABS
Technical Resins	1.5 g	7 g	16 g	HIPS	POM	COP	SAN
Max. Partweight Per Gate				Recommended Resins			



Circular Sealing Ring



Optional: Individual Tip Control



Direct Side Gating
User-Friendly Open Hot Runner

No more second-rate solutions! The open side gate nozzle THS demonstrates with demanding serial products that cosmetic injection points, easy assembly, and consistent reliability can be elegantly combined. It excels even in high-cavity tools and with challenging plastics for applications in the Medical/Pharma, Packaging FMCG, and Electronics sectors.

