

Special Hot Runner Nozzles Custom-Designed on Request to Provide Lateral Injection at Critical Points of the Moulding

One capability of Thermoplay S.p.A. is the development of custom-designed hot runner nozzles for special injection moulding applications executed in response to customers' particular requests. The manufacturer works with the customer to find the best way to inject a part, or to inject moulding material in critical positions. Among the custom projects developed this way are two **special nozzles for lateral injection** at critical points of a moulding.

The DL-8B extended nozzle for double-side direct edge gate injection is used primarily for internal injection at critical points or when the shape of the moulded part requires the use of a small tip. It is also useful when the heated part of the nozzle must be kept from the surface of the moulding in order to avoid spots and defects on the part. Therefore, this nozzle is suitable for the internal



moulding of such plastic parts as caps, small parts, and extended containers.

It may be possible to personalize for individual customers the distance from the injection point to the nozzle axis. It should be noted, however,

that this nozzle is unsuitable for injecting abrasive materials.

Another extended-tip nozzle, the FL-1B (*photo*) designed for tilted side injection at an inclination up to 45°, is recommended for use whenever the injection point is situated in a critical position and when the application requires a very small nozzle tip. Here, the tip inclination might be personalized, depending on the position of the injection point.

The FL-1B nozzle can be used for both internal and external injection of mouldings.

Thermoplay S.p.A.



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