

New HASCO Single Shot H6300/... nozzle

The HASCO nozzle range has now been extended by the highly efficient, yet still particularly low-cost, Single Shot nozzle series. In developing the new series, the focus was on compatible installation dimensions, optimum temperature control, functionality and a cost-optimised design. The many different nozzle variants allow a straightforward feed into a sub-runner or direct gating to the moulded part.

High-end solutions are not always necessary. For many applications, it is sufficient to have an efficiently and inexpensively designed nozzle.

The new Single Shot nozzles can be used for all easy-to-process plastics, as well as engineering plastics and those with a low level of reinforcement. The nozzles come in two sizes and are suitable for the production of small and medium-sized injection mouldings with a shot weight of up to 800 g and immersion depths of up to 179 mm.

The interchangeability of the relevant wear parts, including tips and melt chambers and also the thermocouple, facilitates servicing and maintenance. The heating unit, which is firmly pressed directly onto the body of the nozzle, has just one control circuit and guarantees a uniform temperature over the full length of the nozzle.

The suitably adapted heating-capacity distribution and the gentle conveyance of the melt through flow channels, with generously-dimensioned diameters, ensure a homogeneous temperature profile and low-shear mould filling. Because of the ideal arrangement of the Fe-CuNi thermocouples and the efficient insulation from the cold mould, plastics with a more limited temperature range can also be reliably processed.

The aims pursued in designing the nozzle were to achieve the biggest possible melt throughput for a compact design and the maximum possible stability. Since the nozzle has only one control circuit, it is suitable for small installation spaces and the pressed-on heating ensures a very low overall energy requirement.



The new Single Shot nozzle offers the best price to performance ratio in the field of easy-to-process plastics. Users do not, however, have to dispense with a wide variety of injection options. A range of torpedoes and screw-on melt chamber variants are at their disposal. In addition to the classical pin gate, these also permit the nozzle geometry to be readily introduced into the cavity plate and, in the event of wear, allow rapid restoration of the gate quality. Extended melt chambers are available for gates to free-form surfaces or sub-runners with a sprue.

To ensure that the nozzles and nozzle tips are optimally aligned to the required application, hot runner customers receive worldwide support from the specialist advisers and application engineers at HASCO hot runner.

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