Notes
Order code

Side gating

The hot-runner nozzles for **side gating** give you the ideal scope in designing your hot-runner systems. Special attention was paid therefore to cost effectiveness and simple maintenance, for example hot-runner nozzle OktaFlow® with undivided inserts!
Optional: Nozzle tips made of wear protection for processing filled materials.

We shall be happy to provide an as-fitted drawing for your application.

26LHT hot-runner nozzle with up to 4 tips for side gating under 90° without cold slugs, in combination with a manifold. The individual nozzle tips cannot be influenced directly. **With divided inserts!**

NEW **Hot-runner nozzle OktaFlow® type OMT** with 8 tips for side multi-tip gating (under 90°) without cold slugs. Optimum temperature developement thanks to heating in the nozzle tip area. Cost-efficient, that **undivided** inserts.
Hot-runner nozzle OktaFlow® can be used as a single nozzle with heated adaptor.

NEW **Hot-runner nozzle PektaFlow type PLT** with up to 24 tips for side multi-tip gating (under 90°) without cold slugs. Optimum temperature developement thanks to heating in the nozzle tip area. To require **divided** inserts.
Hot-runner nozzle PektaFlow can be used as a single nozzle with heated adaptor.

Hot-runner nozzle type LHT

Example:
26 L H T S

- **S** = Optional
- **T** = Voltage 230 V
- **H** = In combination with a manifold
- **L** = Side gating under 90°
- **26** = Code for shaft diameter (S)

Optional

Example:
32/ 2/ 80 A V II

- **II** = Tip design(I/II)
- **V** = Wear protection
- **A** = Plug position (A, B, C, D, E, F, G, H)
- **80** = (L) Standard nozzle length (60, 80, 100)
- **2** = Number of tips (1, 2, 3, 4)
- **32** = Pitch circle diameter of the nozzle tip

Hot-runner nozzle PektaFlow type PLT

Example:
6 P L T 90 - 12/ 24 S

- **S** = Optional
- **24** = Number of tips (4, 6, 8, 12, 16, 24)
- **12** = - mind. distance between the tip ≥12 mm
  - max. distance between the tip ≤132 mm
- **90**= (L) Standard nozzle length
- **T**= Voltage 230 V
- **L**= Screwed to the manifold, without shaft
- **P**= PektaFlow
- **6**= Code for material tube diameter (Ød)

S = Optional

- **V** = Wear protection

Hot-runner nozzle OktaFlow® type OMT

Example:
8 O M T 120 - 45 / 8 S

- **S** = Optional
- **8** = Number of tips
- **45** = Pitch circle-Ø the nozzle tip
- **120** = (L) Standard nozzle length (50, 80, 120)
- **T** = Voltage 230 V
- **M**= Not screwed to the manifold, with shaft
- **O**= OktaFlow®
- **8** = Code for material tube diameter (Ød)

S = Optional

- **V** = Wear protection
- **W** = Heat conductive tube

(1) Power and thermo connection may be bent only **once** in this area. Minimum bend radius R8.

(2) The gate diameter D is dependent on the material used and part weight.

Please note:

1. Positive seal
   When the hot runner system is cold, there is no positive seal between nozzles and manifold. It is necessary to reach operating temperature in order to seal the system.
2. Hot-runner nozzle
   a. In case of limited installation space, the nozzle head can be flattened to fit the minension W she using the following nozzle types LHT
   c. Take care with the metal o-rings when assembling; they provide sealing when warm. The metal o-ring are to be fixed in position in the groove with some grease.
   d. Metal o-ring are included in delivery.
   Spare parts, chapter 7.
   e. **After every disassembly a new metal o-ring must be inserted when refitting the nozzle, chapter 7.**
3. Pitch centers
   The minimum pitch center depends of the pitch circle diameter on the nozzle type.
4. High temperature application
   Please call our technical consulting if you have questions about high temperature applications **>320°C.**
5. Dimensions and tolerances
   Dimensions and tolerances given refer to the mold.
6. Please see chapter 3 (yellow page) for the heat expansion gap dimension “K”.
7. Maximum tightening torque

Threads	Property class 10.9	12.9
M4	3.8 Nm	4.6 Nm
M5	8 Nm	9.5 Nm
M6	13 Nm	16.0 Nm
M8	32 Nm	39.0 Nm
M10	64 Nm	77.0 Nm
M12	110 Nm	135.0 Nm

9. Technical information, chapter 1.4.

Important!
The nozzles must have an anti-tiwst protection!

Tolerance zone for the nozzle seat in the cavity plate:

Dimensions Ø H7 >10...18 = $^{+0.018}_{0}$

>18...30 = $^{+0.021}_{0}$

Notes

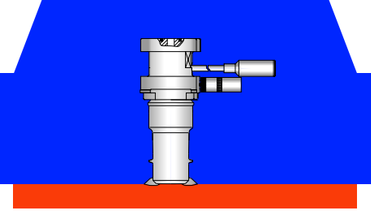
Following parts must be ordered separately, chapter 6:

1. Thermo plug CMLK
   nozzle type LHT

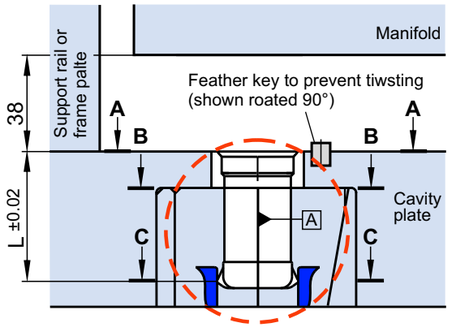
2. Power receptacle CMT
   nozzle type LHT

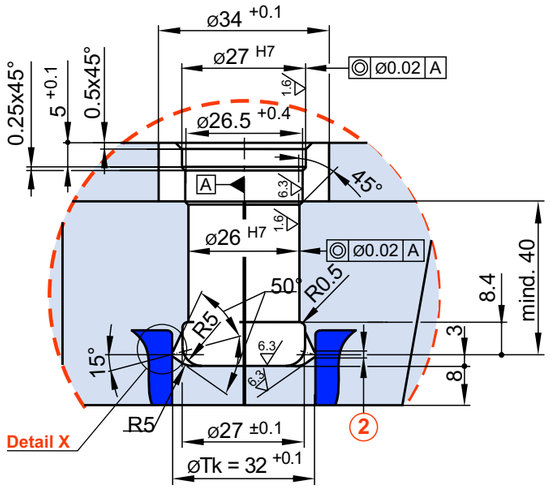
If you have any questions please call our technical consulting at +49 (0) 6451 - 50 08-0.

Hot-runner nozzle type 26LHT



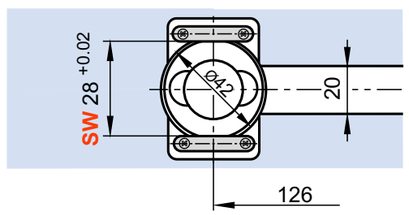
Assembly



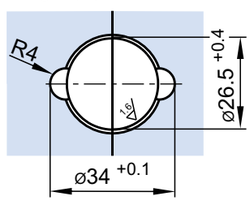


Detail X
To prevent jetting, inject against a core, for example.

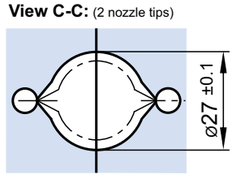
View A-A:



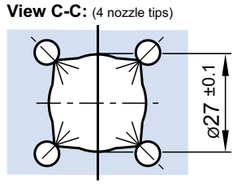
View B-B:



View C-C: (2 nozzle tips)



View C-C: (4 nozzle tips)



Order code

Example: **Hot-runner nozzle 26LHT32/4/80-HVII**

- 26 = Shaft ø 26 mm
- LHT = Side gating under 90°, connection with the manifold
- 32 = Pitch circle ø 32 mm
- 4 = Number of tips
- 80 = Nozzle length 80 mm
- H = Plug position
- V = Wear protection
- II = Nozzle tip design

Please indicate the radius of the machine nozzle, gate diameter, material, part weight, number of tips and the part in your order.

Notes

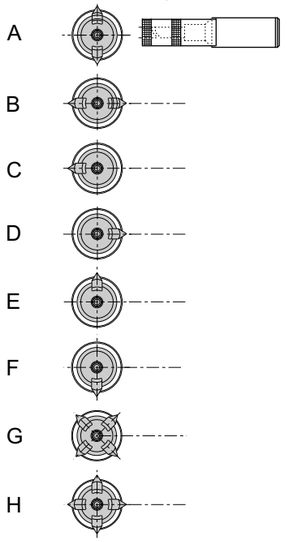
II: Design II is used in applications with filled materials, with a gate diameter øAP >1.3 mm.

SW: Spanner flat **SW 28** to prevent twisting, located parallel to the plugs

(1) ..as well as further technical notes on the “yellow page”.

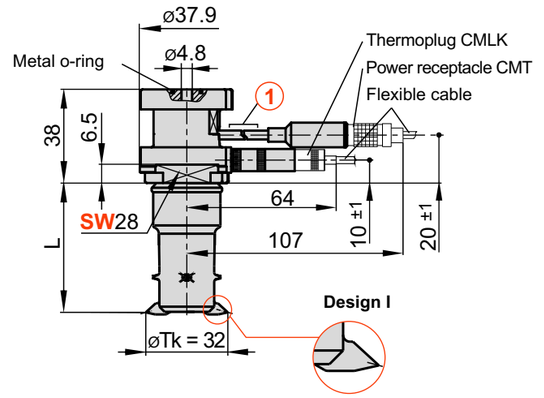
Attention!
To protect the tips, slide out the inserts only horizontally!
The diameter 26 ^{H7} must be reached when the wedges are in the keyed position.

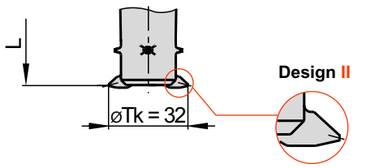
Plug position
View on the nozzle tip

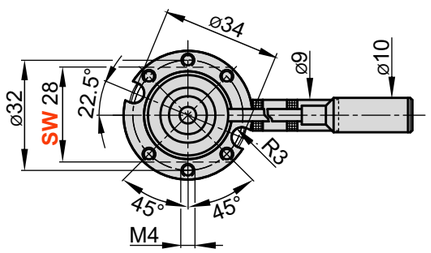


Hot-runner nozzle

for side gating under 90° without cold slug, in connection with the manifold







Delivery time

Nozzle type LHT	Number of tip	Nozzle length L (mm) 60	80	100
26	1, 2, 4	○	○	○

○ = upon request