GÜNTHER®
HOT RUNNER TECHNOLOGY

Multi-drop hot runner nozzles

4.1 Multi-drop hot runner nozzles with heated adapter as a single nozzle

OktaFlow® linear

Multi-drop hot runner nozzle
linear version for side gating, with heated adapter

TECHNICAL DATA

8OHT

Melt channel Ød	7.5 mm
Operating voltage	230 V_{AC}*

Nominal length of the nozzle (L) in mm

50	80	120
■	■	■

OLT45

Quantity of tips	4 or 8
Operating voltage	230 V_{AC}*

AHJ8

Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

Contact us for other nozzle lengths!

*Volts alternating current

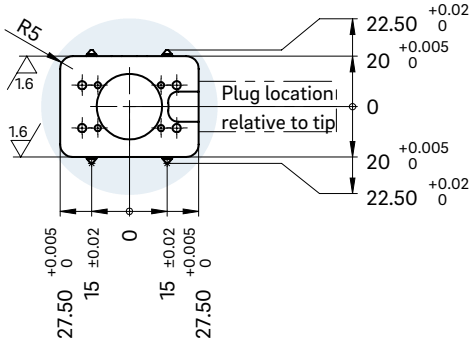
■ *available*

NOTE

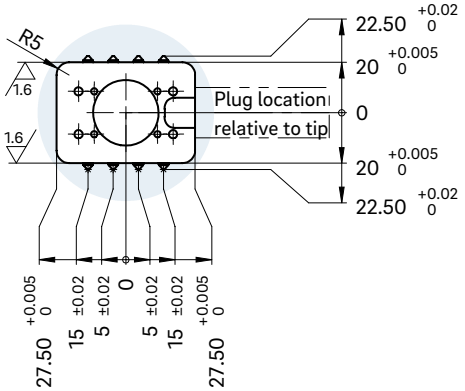
Power connector CMT and thermocouple connector CMLK are to be ordered separately.

WEBCODE
41010

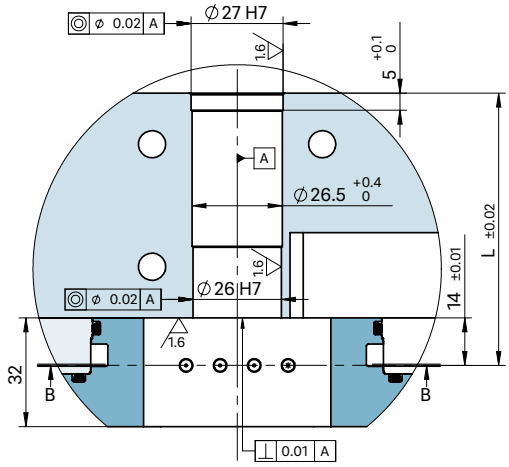
Tip distances for four tips



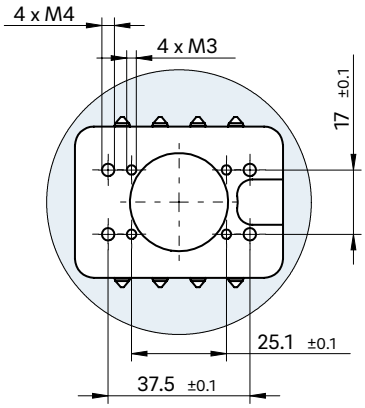
Tip distances for eight tips



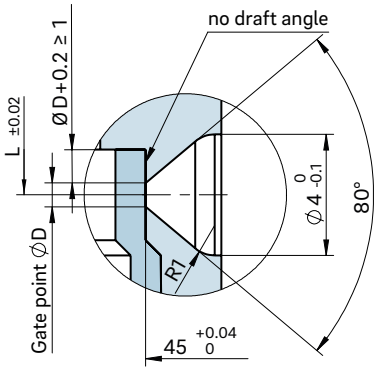
INSTALLATION

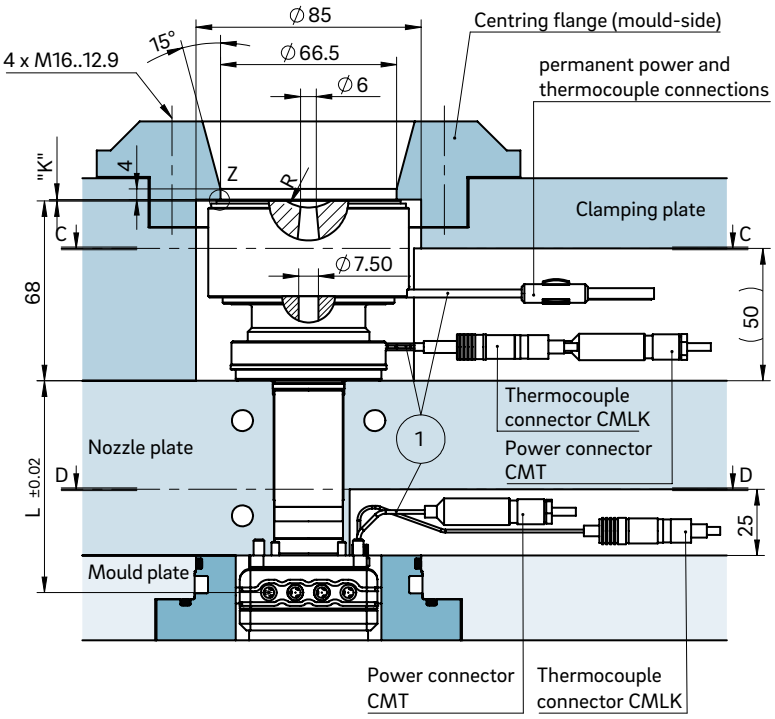


View B-B for fastening screw thread

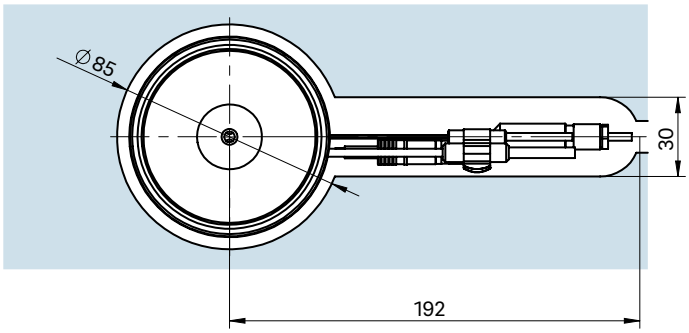


Gate point geometry

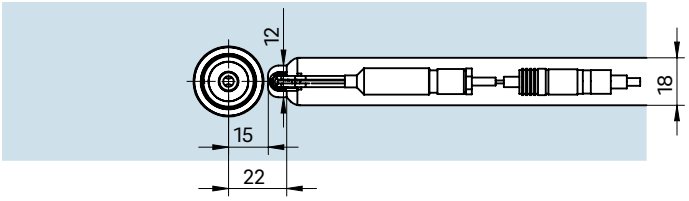




View C-C cutout for nozzle head, power and thermocouple plug connections



View D-D cutout for power and thermocouple plug connections of the sub-manifold

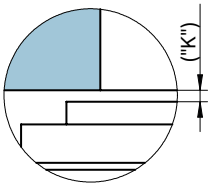


① Power and thermocouple plug connections in this area can only be bent once; minimum radius: R8

Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.04	0.08	0.12	0.16	0.20	0.25

Detail "Z"



OktaFlow® radial TK45

Multi-drop hot runner nozzle
radial version for side gating, with heated adapter

TECHNICAL DATA

8OHT

Melt channel Ød	7.5 mm
Operating voltage	230 V_{AC}*

Nominal length of the nozzle (L) in mm

60	90	130
■	■	■

ORT45

Quantity of tips	1, 2, 4 or 8
Operating voltage	230 V_{AC}*

AHJ8

Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

Contact us for other nozzle lengths!

*Volts alternating current

■ *available*

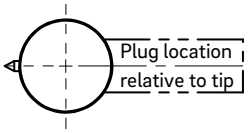
NOTE

Power connector CMT and thermocouple connector CMLK are to be ordered separately.

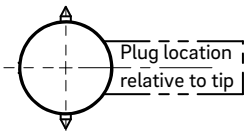
WEBCODE
41020

PLUG LOCATION RELATIVE TO TIP

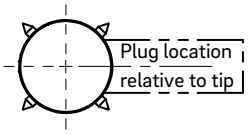
1 tip



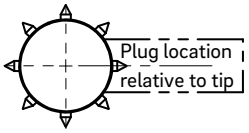
2 tips



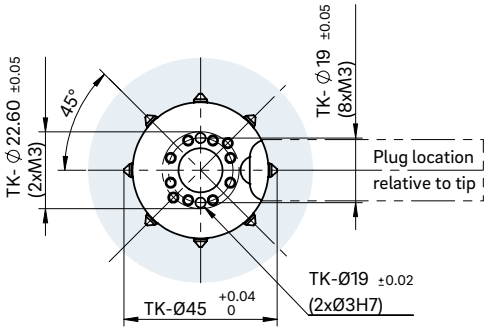
4 tips



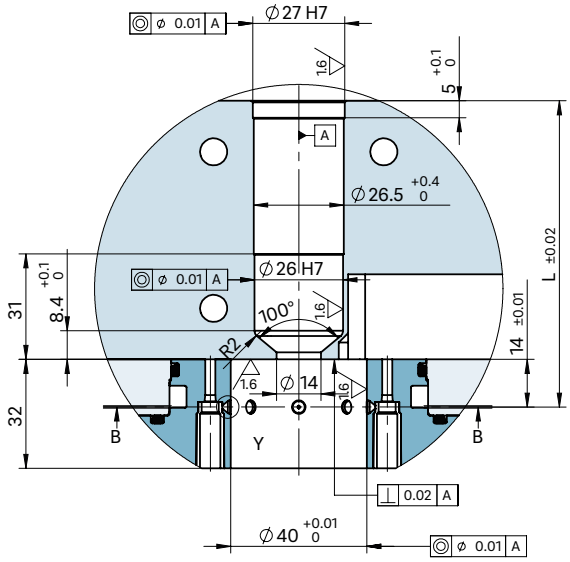
8 tips

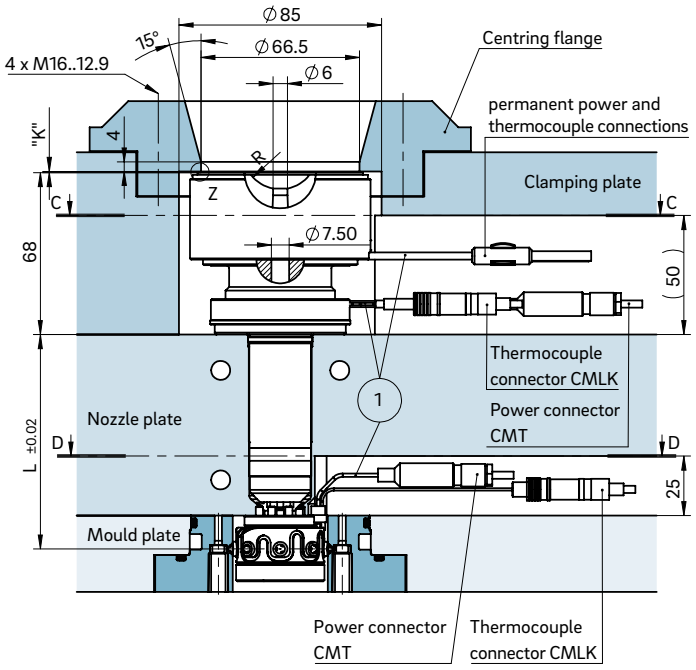


View B-B
Fastening screw thread and tip distance

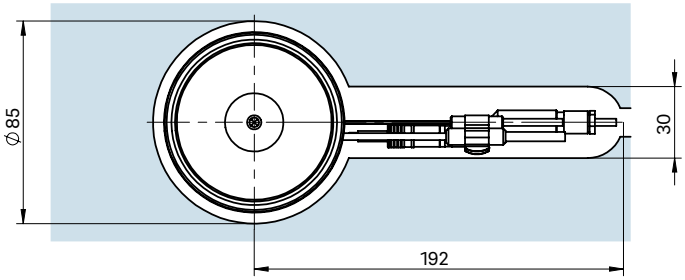


INSTALLATION

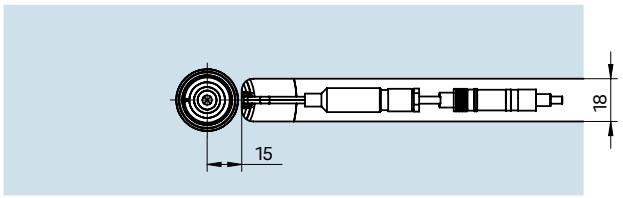




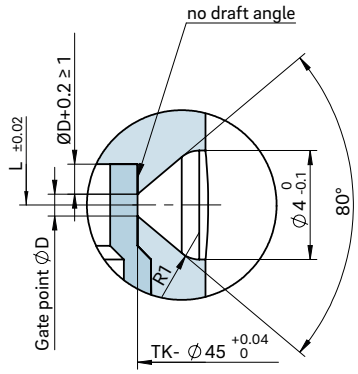
View C-C cutout for nozzle head, power and thermocouple plug connections



View D-D cutout for power and thermocouple plug connections of the sub-manifold



Gate point geometry

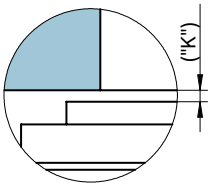


① Power and thermocouple plug connections in this area can only be bent once; minimum radius: R8

Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.04	0.08	0.12	0.16	0.20	0.25

Detail "Z"



OktaFlow® radial TK65

Multi-drop hot runner nozzle
radial version for side gating, with heated adapter

TECHNICAL DATA

8OHT

Melt channel Ød	7.5 mm
Operating voltage	230 V_{AC}*

Nominal length of the nozzle (L) in mm

65	95	135
■	■	■

ORT65

Quantity of tips	1, 2, 4 or 8
Operating voltage	230 V_{AC}*

AHJ8

Melt channel Ød	6 mm
Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

Contact us for other nozzle lengths!

*Volts alternating current

■ *available*

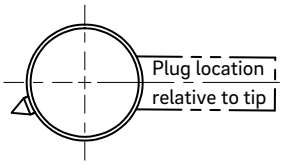
NOTE

Power connector CMT and thermocouple connector CMLK are to be ordered separately.

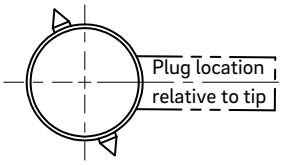
WEBCODE
41030

PLUG LOCATION RELATIVE TO TIP

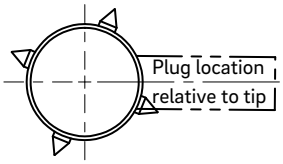
1 tip



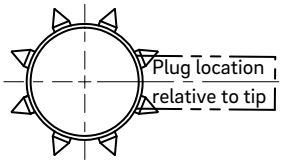
2 tips



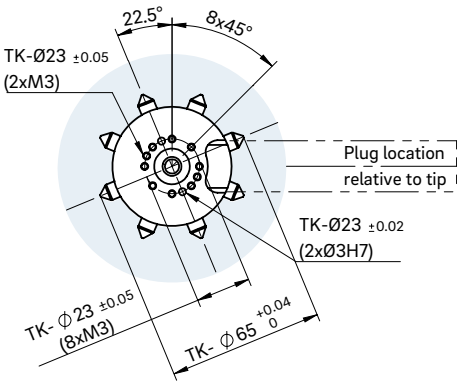
4 tips



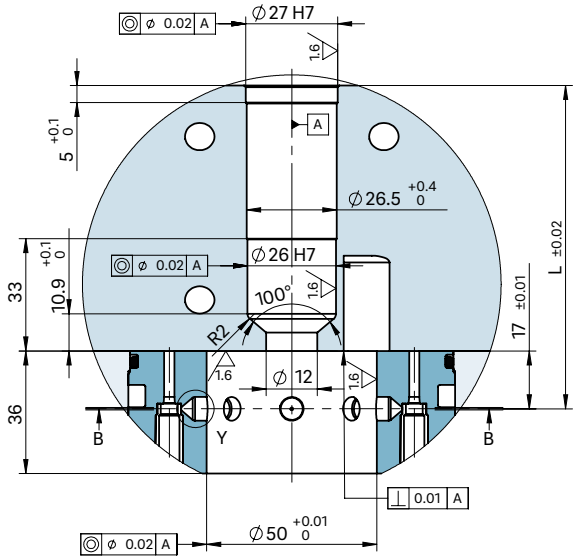
8 tips



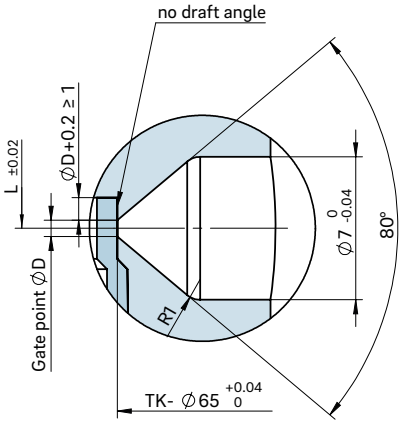
View B-B
Fastening screw thread and tip distance

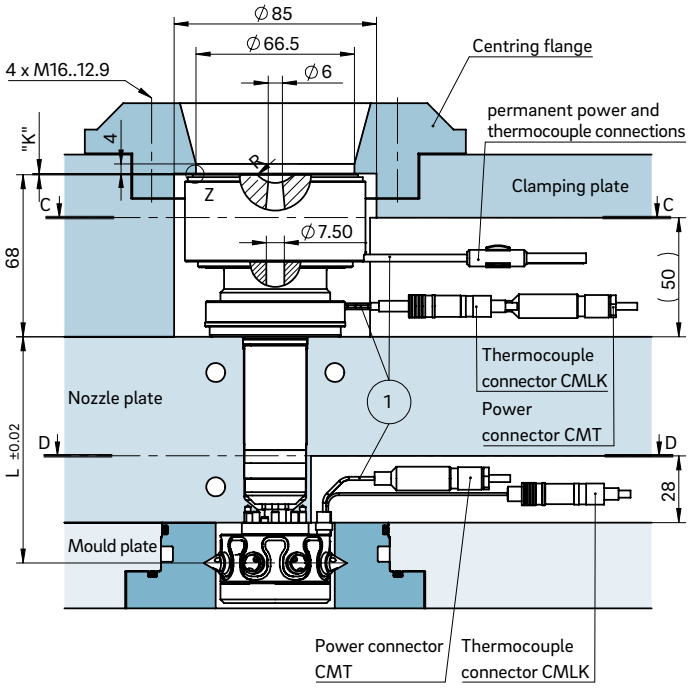


INSTALLATION

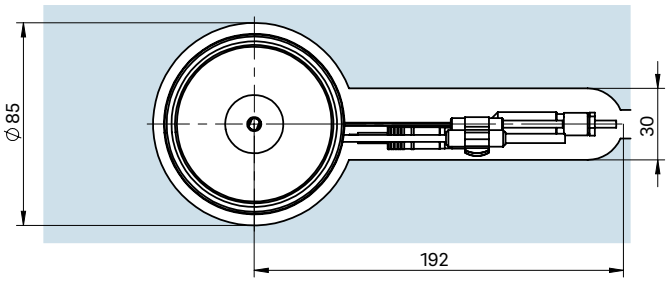


Gate point geometry

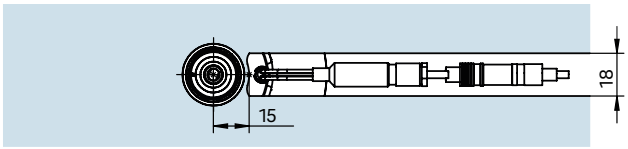




View C-C cutout for nozzle head, power and thermocouple plug connections



View D-D cutout for power and thermocouple plug connections of the sub-manifold

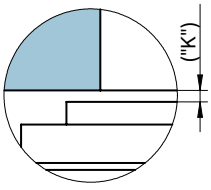


① Power and thermocouple plug connections in this area can only be bent once; minimum radius: R8

Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.04	0.08	0.12	0.16	0.20	0.25

Detail "Z"



18LHF

Multi-drop hot runner nozzle for side gating under 90 °, without cold slugs, thick-film heating element (BlueFlow®) and heated adapter

TECHNICAL DATA

18LHF

Melt channel Ød	3.8 mm
Operating voltage	230 V_{AC}*
Quantity of tips	1, 2 or 4

Nominal length of the nozzle (L) in mm

60	80	100
■	■	■

AHJ5

Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

*Volts alternating current

■ *available*

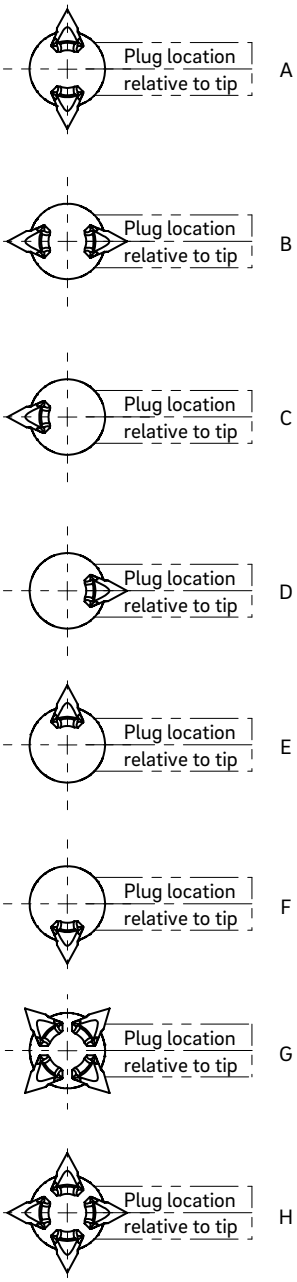
NOTE

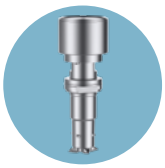
Power connector CHF and thermocouple connector CMLK are to be ordered separately.

BlueFlow® hot runner nozzle type 18LHF is not intended for sale or use in the USA or Canada!

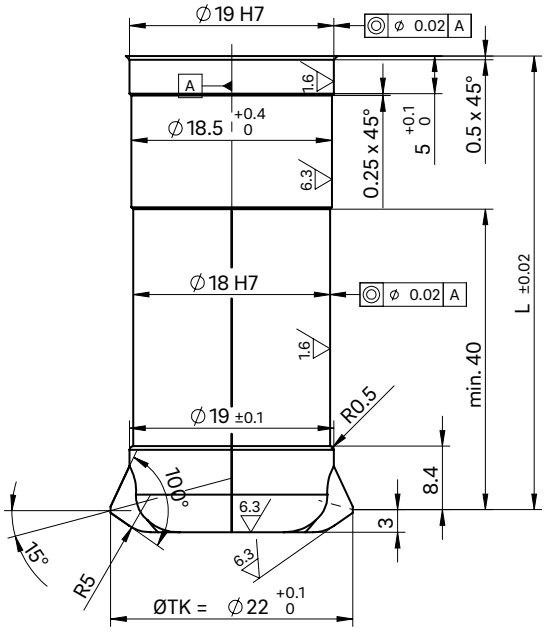
WEBCODE
41040

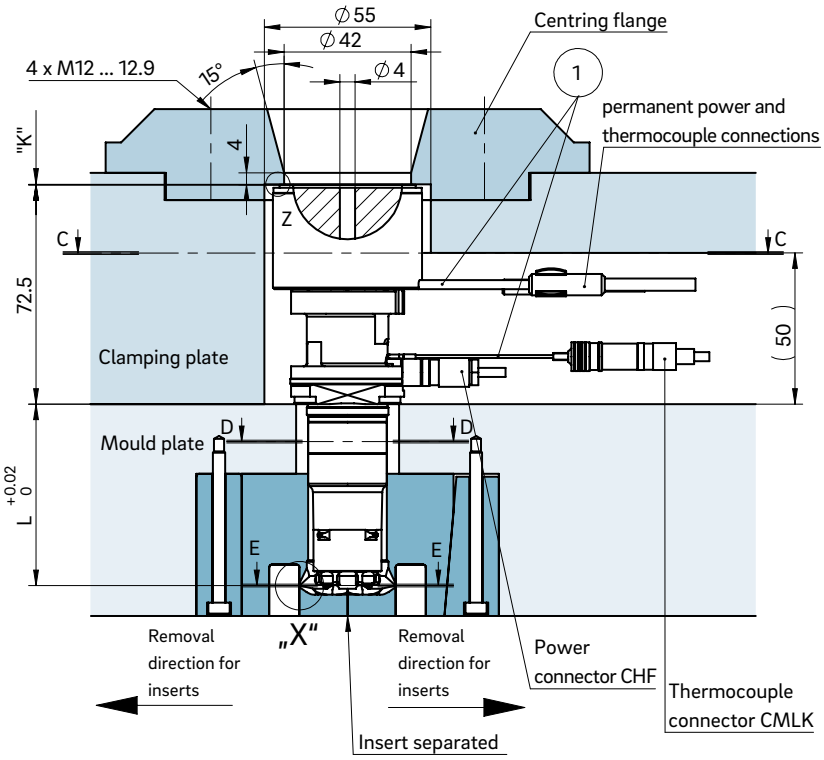
PLUG LOCATION RELATIVE TO TIP



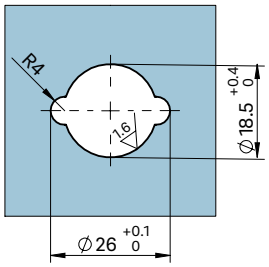


INSTALLATION

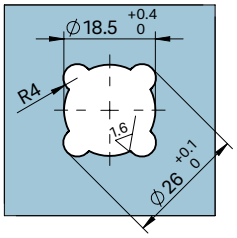




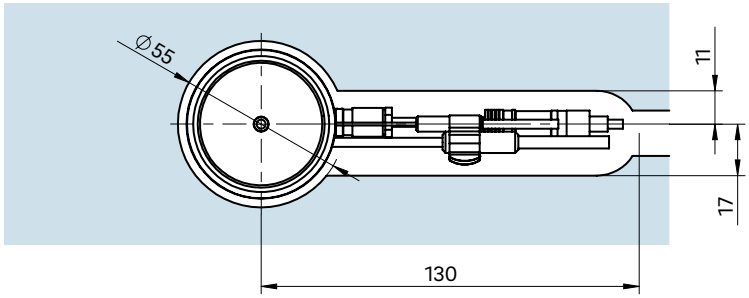
View D-D
for two nozzle tips



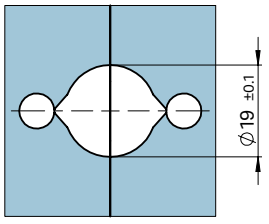
View D-D
for four nozzle tips



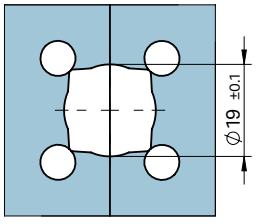
View C-C cutout for nozzle head, power and thermocouple plug connections



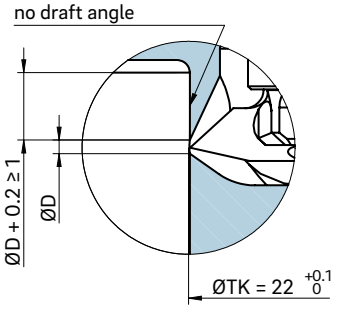
View E-E
for two nozzle tips



View E-E
for four nozzle tips

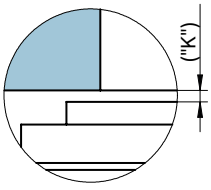


Detail "X"



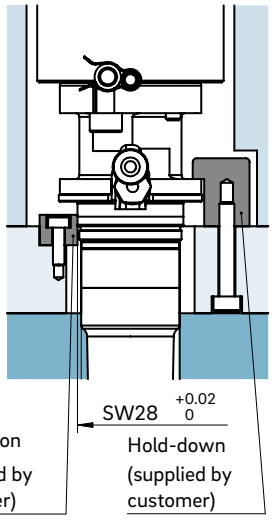
To prevent open jet formations, injection should be carried out against a core, for example.

Detail "Z"



① Thermocouple plug connection in this area can only be bent once; minimum radius: R8
SW = flat area on nozzle head

Turning prevention



Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.06	0.08	0.09	0.11	0.13	0.16

22LHT

Multi-drop hot runner nozzle for side gating under 90°, without cold slugs, with conventional heating element and heated adapter

TECHNICAL DATA

22LHT

Melt channel Ød	4.8 mm
Operating voltage	230 V_{AC}*
Quantity of tips	1, 2 or 4

Nominal length of the nozzle (L) in mm

60	80	100
■	■	■

AHJ5

Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

*Volts alternating current

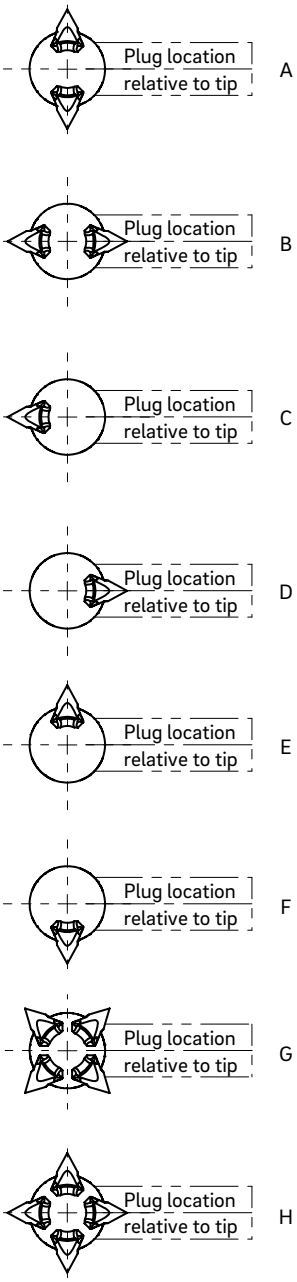
■ *available*

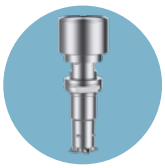
NOTE

Power connector CMT and thermocouple connector CMLK are to be ordered separately.

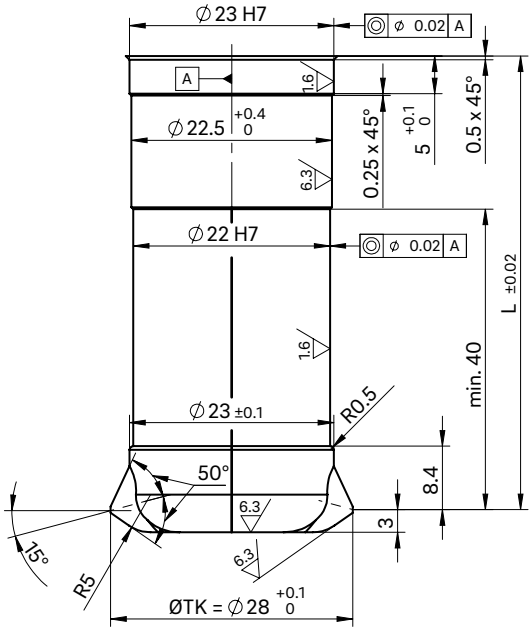
WEBCODE
41050

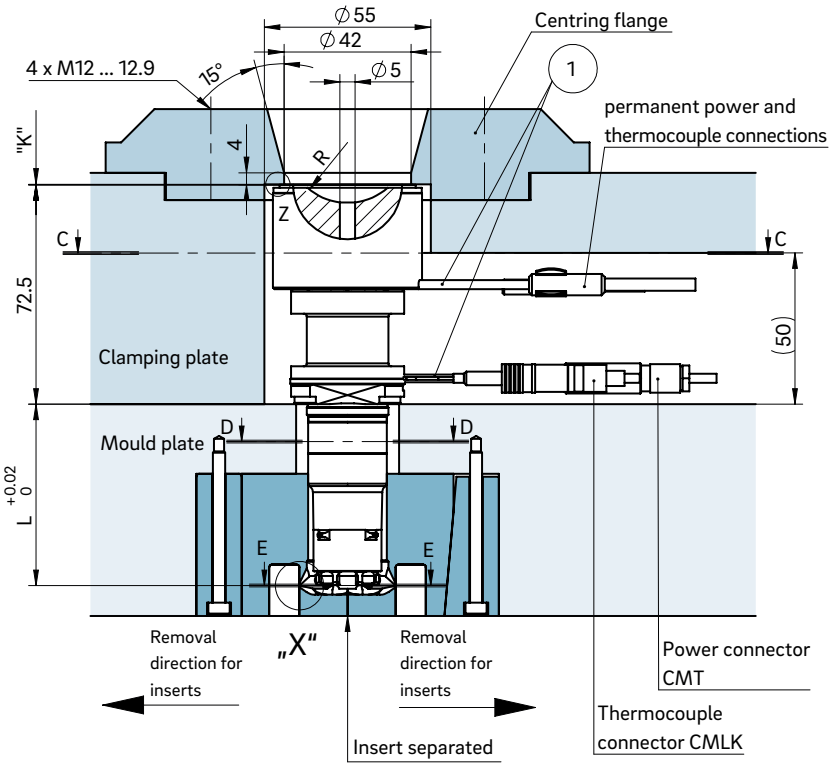
PLUG LOCATION RELATIVE TO TIP



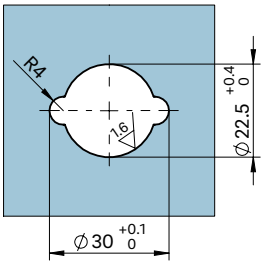


INSTALLATION

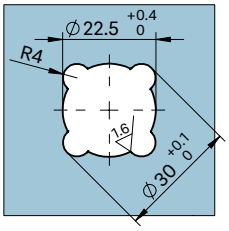




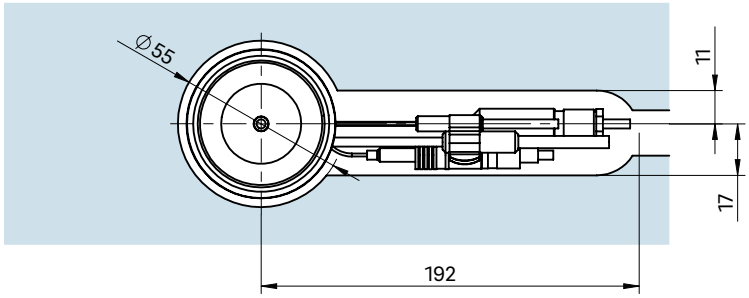
View D-D
for two nozzle tips



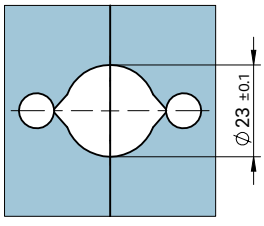
View D-D
for four nozzle tips



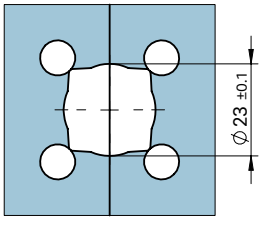
View C-C cutout for nozzle head, power and thermocouple plug connections



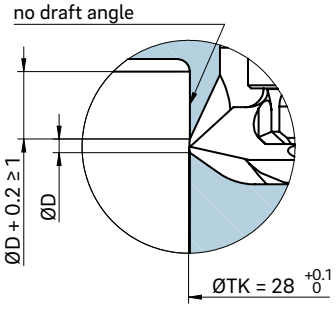
View E-E
for two nozzle tips



View E-E
for four nozzle tips

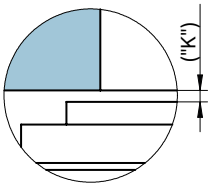


Detail "X"



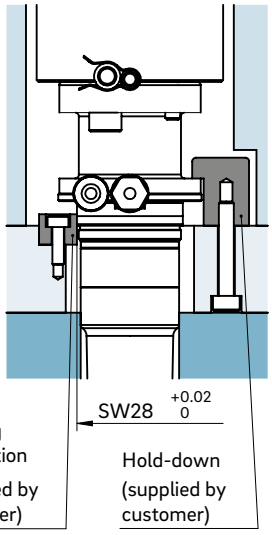
To prevent open jet formations, injection should be carried out against a core, for example.

Detail "Z"



① Thermocouple plug connection in this area can only be bent once; minimum radius: R8
SW = flat area on nozzle head

Turning prevention



Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.06	0.08	0.09	0.11	0.13	0.16

26LHT

Multi-drop hot runner nozzle for side gating under 90 °, without cold slugs, with conventional heating element and heated adapter

TECHNICAL DATA

26LHT

Melt channel Ød	6.0 mm
Operating voltage	230 V_{AC}*
Quantity of tips	1, 2 or 4

Nominal length of the nozzle (L) in mm

60	80	100
■	■	■

AHJ5

Operating voltage	230 V_{AC}*
Adapter	straight (G)/radius (R)/ angle (W)

*Volts alternating current

■ *available*

NOTE

Power connector CMT and thermocouple connector CMLK are to be ordered separately.

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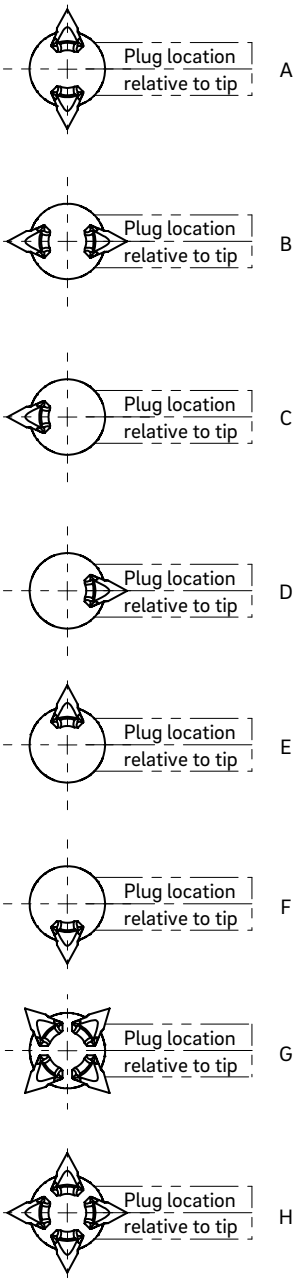
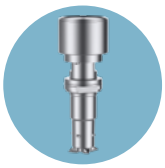
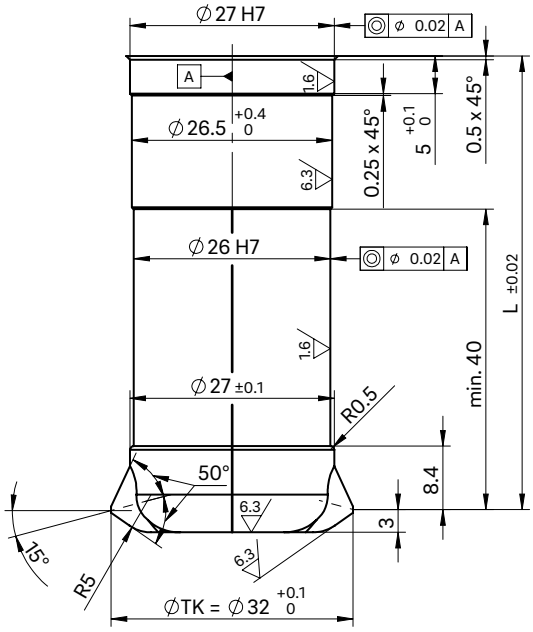
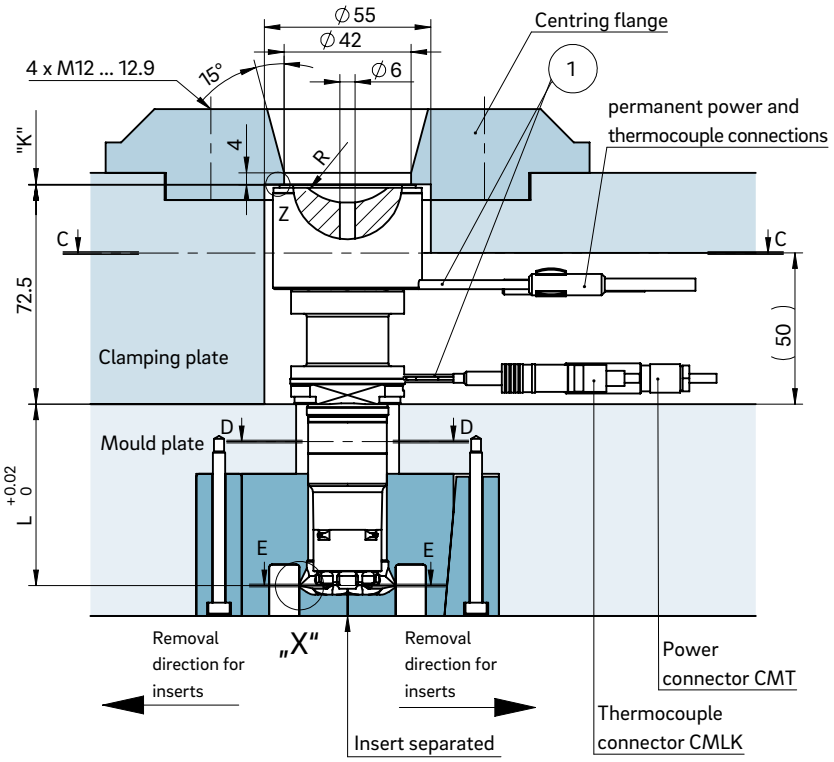
PLUG LOCATION RELATIVE TO TIP



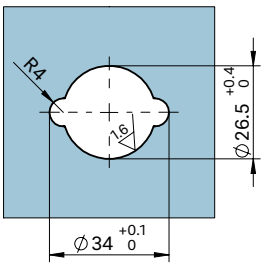


INSTALLATION

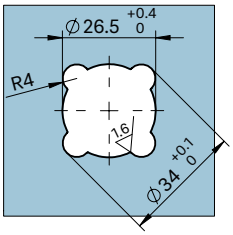




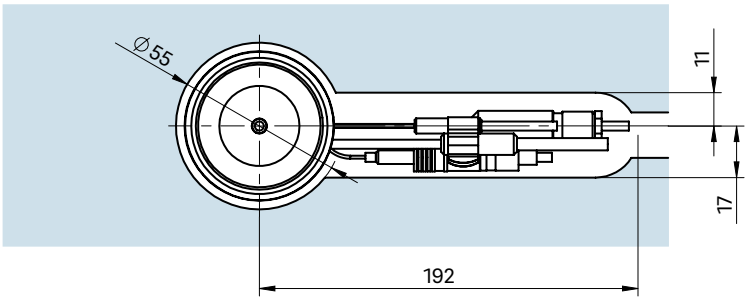
View D-D
for two nozzle tips



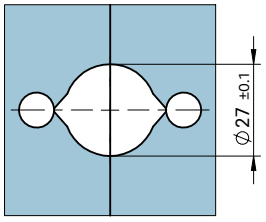
View D-D
for four nozzle tips



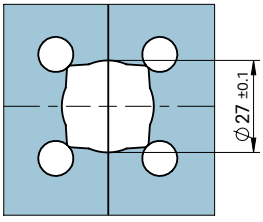
View C-C cutout for nozzle head, power and thermocouple plug connections



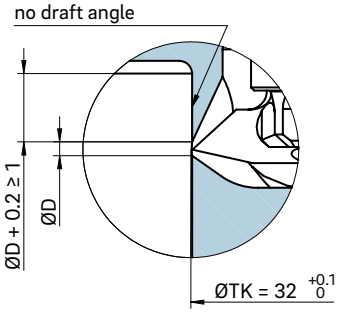
View E-E
for two nozzle tips



View E-E
for four nozzle tips

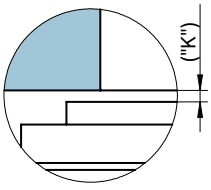


Detail "X"



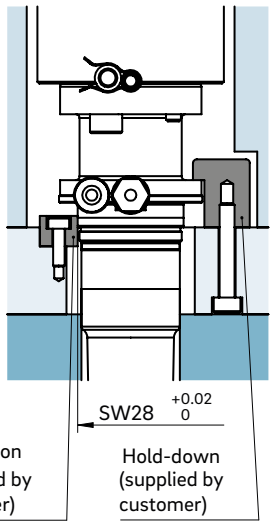
To prevent open jet formations, injection should be carried out against a core, for example.

Detail "Z"



① Thermocouple plug connection in this area can only be bent once; minimum radius: R8
SW = flat area on nozzle head

Turning prevention



Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.06	0.08	0.09	0.11	0.13	0.16

3SGT 2-drop, 3-drop and 4-drop

Multi-drop hot runner nozzle for minimal cavity distances, with heated adapter

TECHNICAL DATA

3SGT 2-drop, 3-drop and 4-drop

Melt channel Ød	6 mm
Possible pitch circle diameter ØTK:	
2-drop	**Ø 11 to Ø 31 mm**
3-drop	**Ø 12 to Ø 31 mm**
4-drop	**Ø 14 to Ø 31 mm**
Adapter	straight (G)/radius (R)/ angle (W)
Operating voltage	230 V_{AC}*
Nominal length of the nozzle (L): 20 mm	

*Volts alternating current

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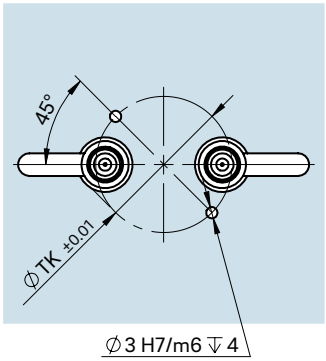
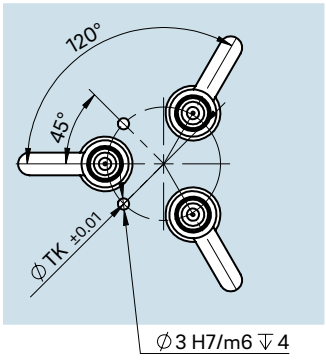
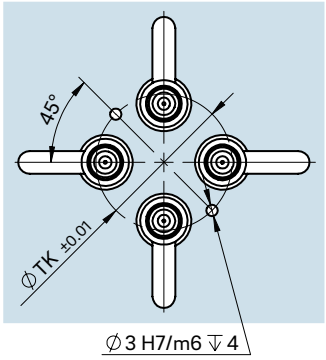
2-drop – cutout for nozzle and centring/ positioning pin



3-drop – cutout for nozzle and centring/ positioning pin

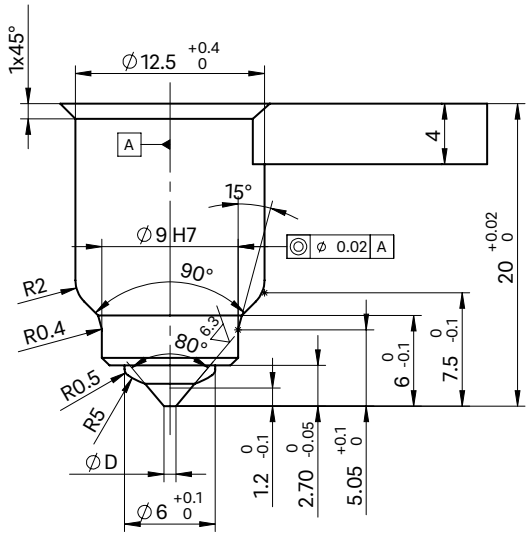


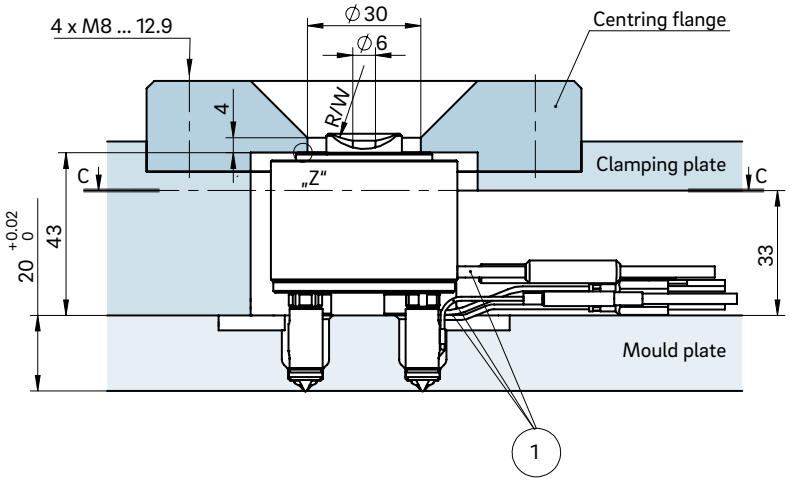
4-drop – cutout for nozzle and centring/ positioning pin

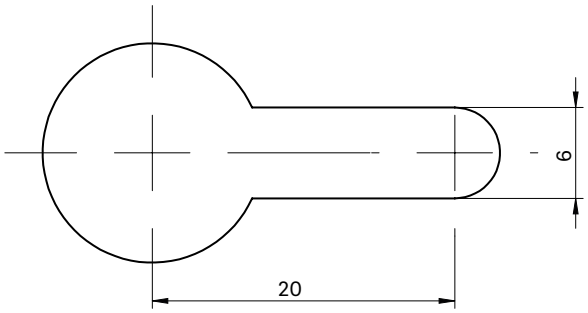


INSTALLATION

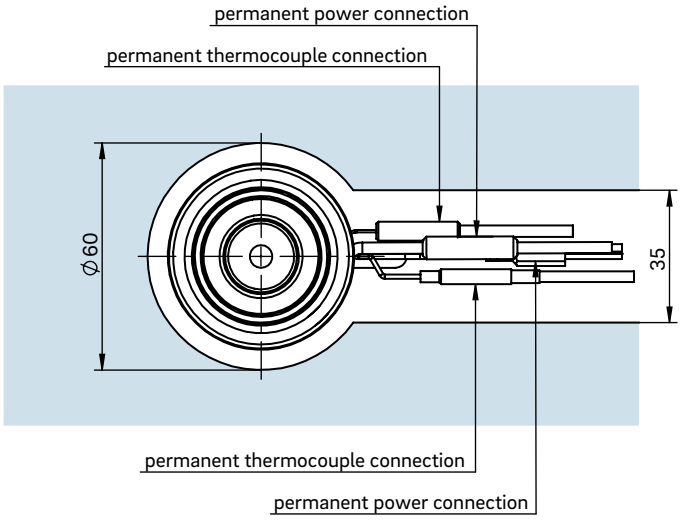
Open nozzle with tip







Cross-section C-C: Cutout for nozzle head, power and thermocouple plug connections

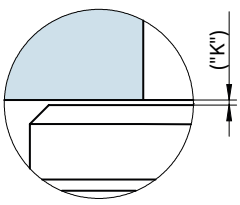


① Power and thermocouple plug connections in this area can only be bent once; minimum radius: R8

Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.01	0.03	0.05	0.07	0.1	0.11

Detail "Z"



3SGT 1-drop

Multi-drop hot runner nozzle for minimal cavity distances, with heated adapter

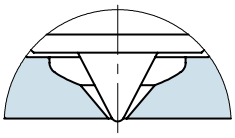
TECHNICAL DATA

3SGT 1-drop

Melt channel Ød	3 mm
Adapter	straight (G)/radius (R)/ angle (W)
Operating voltage	230 V_{AC}*
Nominal length of the nozzle (L): 20 mm	

*Volts alternating current

Version "Tip"
Antechamber version A



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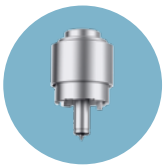
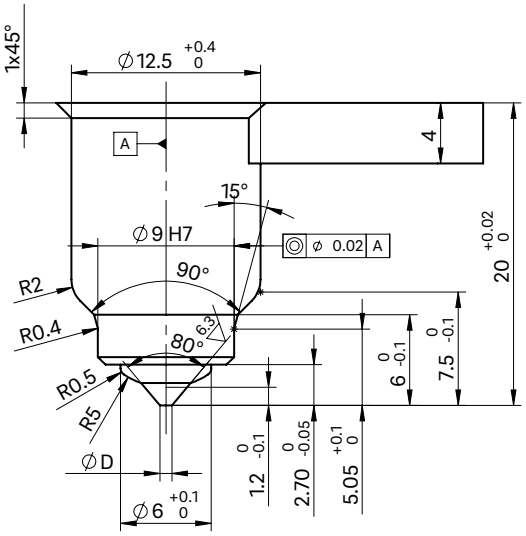
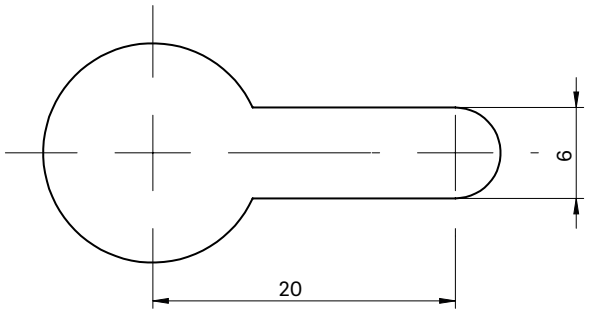
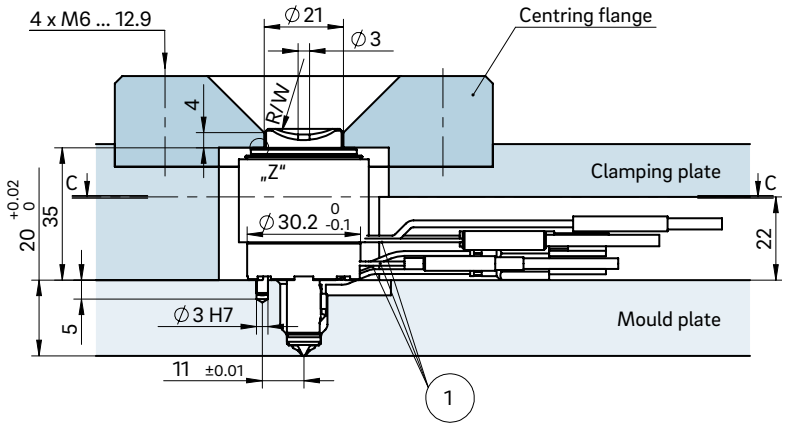


INSTALLATION

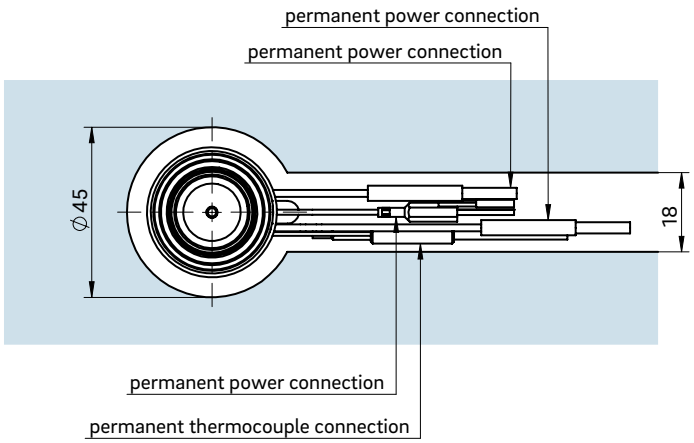
Open nozzle with tip
Nozzle type version C
Antechamber version A







Cross-section C-C: Cutout for nozzle head, power and thermocouple plug connections



① Power and thermocouple plug connections in this area can only be bent once; minimum radius: R8

Dimension "K" required for heat expansion is to be ensured by grinding the location ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould temperature!

ΔT (°C)	100	150	200	250	300	350
K (mm)	0.02	0.03	0.04	0.06	0.07	0.08

Detail "Z"