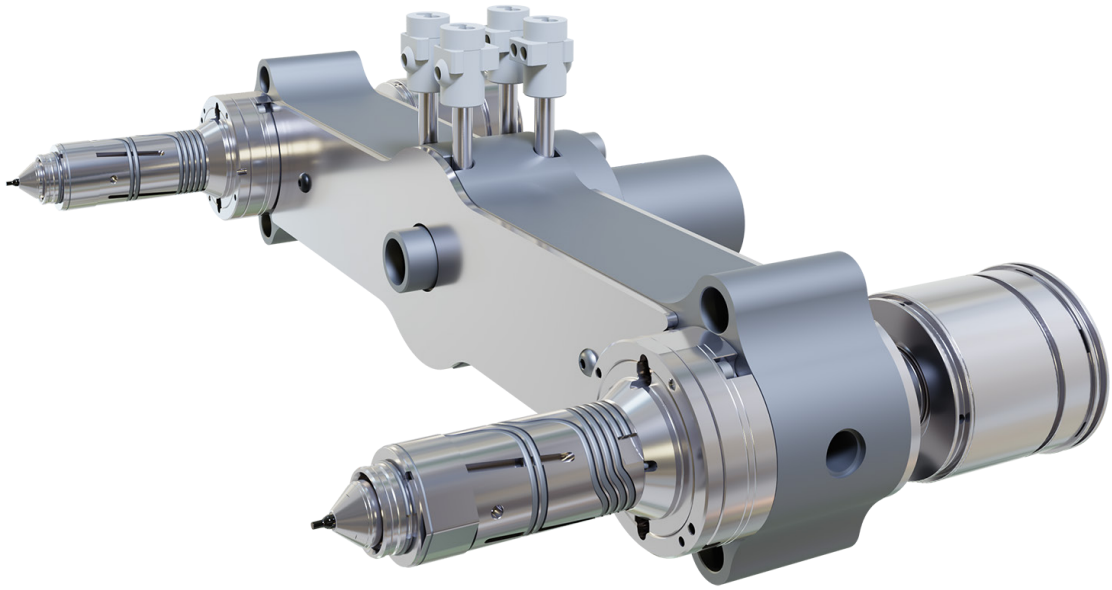
M19
SIGNATURE LINE

männer

SPECTRIX



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Hot Runner Technology

This catalog gives an overview of the latest product, including descriptions, dimensions and technical data.
The text next to the graphics gives additional instructions on the use of the product.
If available, options are explained with pictures and text.
All available accessories for this product are specified. Where necessary, a separate chapter gives the information and important technical data.

General Description of the Nozzle

Hot runner nozzles are the connection to the cavity. They either gate directly into the part or into a sub runner which will feed into the cavity.

General Description of M19 Nozzle Series

This is a standard Molding solutions Nozzle.

Target Group

The target groups of this product catalog are mold designers, toolmakers, molders and service technicians.
They will find the needed information in the relevant chapters.

Applied Standards and Norms

- DIN EN IEC/IEEE 82079-1 Edition 2 Creation of usage information for products
- Standard and norms for Technical drawings

Tolerances and Customer Graphics

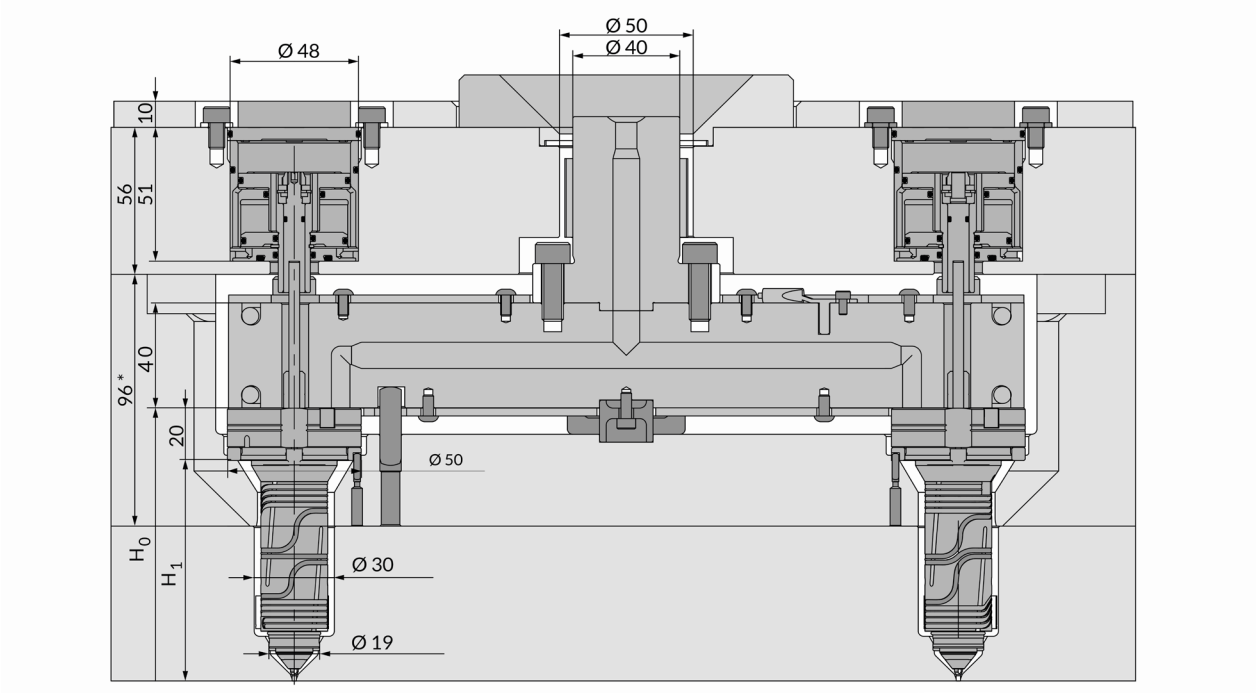
The product catalog gives a general information about the product. For tolerances and other details, use the customer drawings. There you find the detailed information.

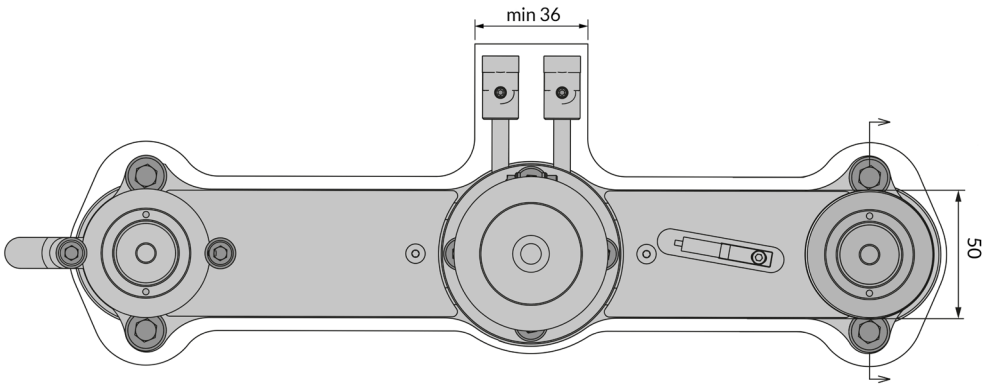
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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Bolt Down Manifold

The following picture shows the standard design, components and dimensions.





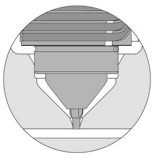
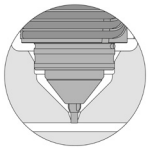
*
Hot Runner Plate height depending to H1.

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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

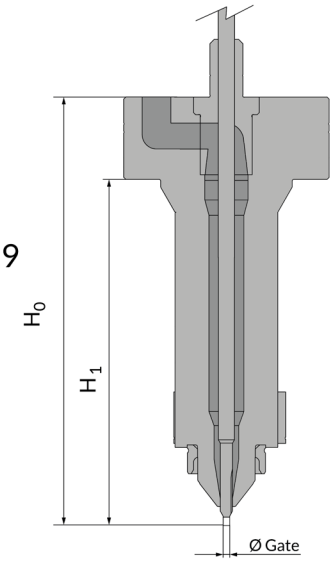
Nozzle Tips and Schematic View S19 and SE19

The following Nozzle Tip Styles are available.

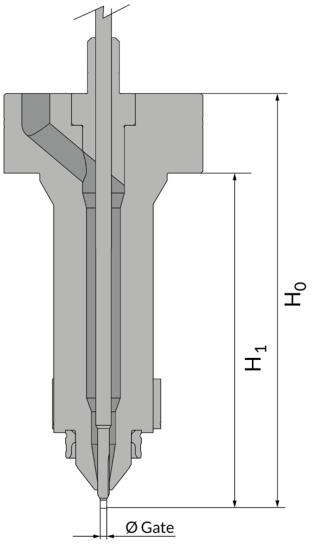
Valve gate - Straight pin		
Tip Style with Description	Picture	Gate diameter (Dg)
S19 Standard		Ø 1,0 Ø 1,2 Ø 1,5 Ø 1,8 Ø 2,0
SE19 Special Execution		Ø 1,0 Ø 1,2 Ø 1,5 Ø 1,8 Ø 2,0

Schematic view of S19 and SE19 and Technical Data.

S19



SE19



MSN-19-50-S19			
H_0	H_1	Code	KWRP Watt
79	59	MSN-19-50-S19-79	400 W
104	84	MSN-19-50-S19-104	400 W
129	109	MSN-19-50-S19-129	500 W

Example nozzle code: MSN-19-50-S19-154

Tip style (S19 - SE19)

Nozzle length

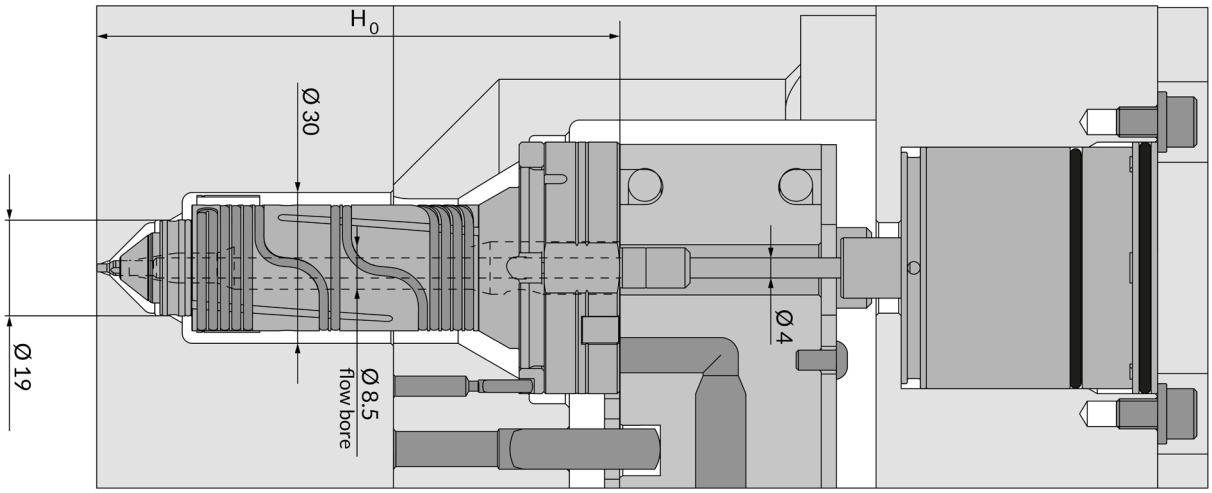
MSN-19-50_A-SE19			
H_0	H_1	Code	DTE Watt
79	59	MSN-19-50_A-SE19-79	500 W
104	84	MSN-19-50_A-SE19-104	500 W
129	109	MSN-19-50_A-SE19-129	500 W
154	134	MSN-19-50_A-SE19-154	500 W
179	159	MSN-19-50_A-SE19-179	500 W
204	184	MSN-19-50_A-SE19-204	600 W
229	209	MSN-19-50_A-SE19-229	600 W
254	235	MSN-19-50_A-SE19-254	600 W

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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Available Actuator PS 48.2 pneumatic

The following standard actuator is available. Other actuators can be used on request.



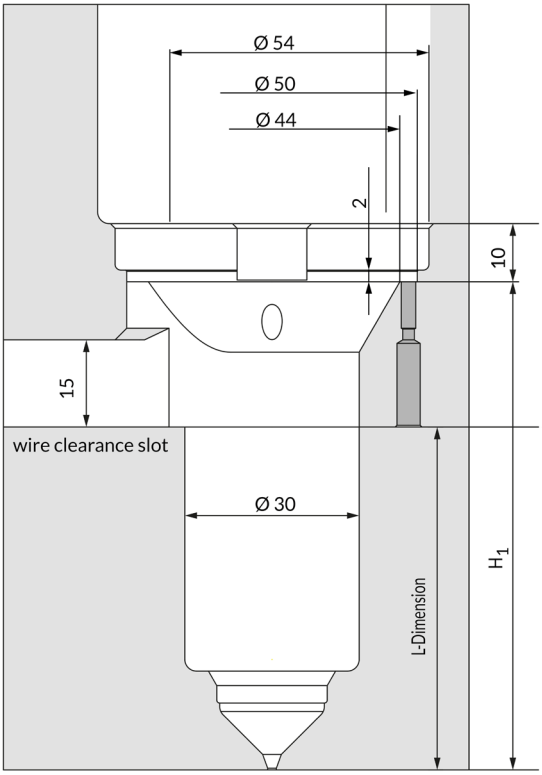
Technical Data
Pressure: 6 bar (87 psi) Min/Max Close Forces: F open max = 1347 N F close max = 1415 N Stroke: 12 mm

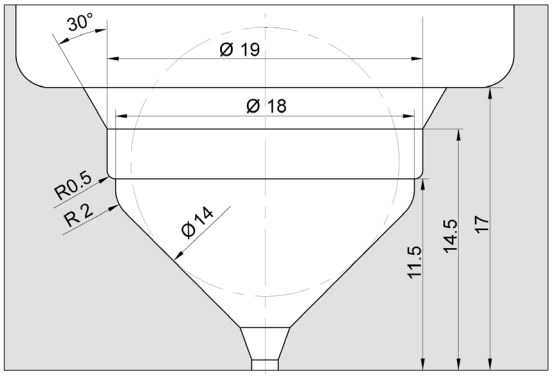
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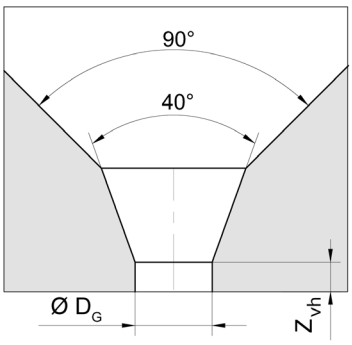
Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.
Dimensions for reference only. Reference system drawing for complete dimensions prior to machining gate detail in mold.

Cutout Dimensions MSN-19-50

The following pictures shows the cutout dimensions for this nozzle.







Abbr.	Written out
Dg	Gate Diameter
Zvh	Cylindrical Gate height

Gate diameter
Ø 1,0
Ø 1,2
Ø 1,5
Ø 1,8
Ø 2,0

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Contact

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From part design and material science to molds, hot runners, sensing and control technologies, qualification, specialty molding, and lifecycle services, SPECTRIX supports every stage of the injection molding process. Customers can choose individual technologies and services or benefit from a fully integrated end-to-end solution tailored to their specific needs. With a global footprint and strong local expertise, SPECTRIX partners with customers from concept through production and beyond.

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