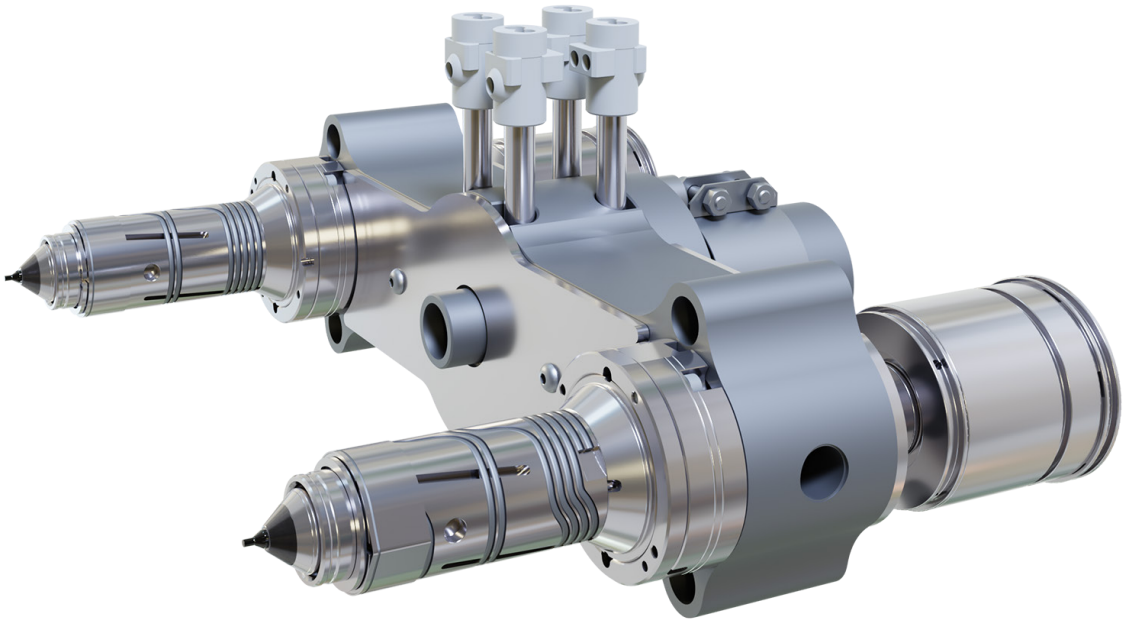
M22
SIGNATURE LINE

männer

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Table of Contents

Hot Runner Technology 3
General Description of the Nozzle 3
General Description of M22 Nozzle Series 3
Target Group 3
Applied Standards and Norms 3
Tolerances and Customer Graphics 3
Bolt Down Manifold 4
Available Actuator PS 48.2 pneumatic 5
Standard SE22 and S22 6
Extended Standard EP_7, H_7 and P22 7
Cutout Dimensions MCN-A-P22 / MSN-A-SE22 8
Cutout Dimensions MCN-A-EP_7 8
Cutout Dimensions MCN-A-H 8
Nozzle overview 9
Contact 10
Copyright 10
Patents 10

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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 M22 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

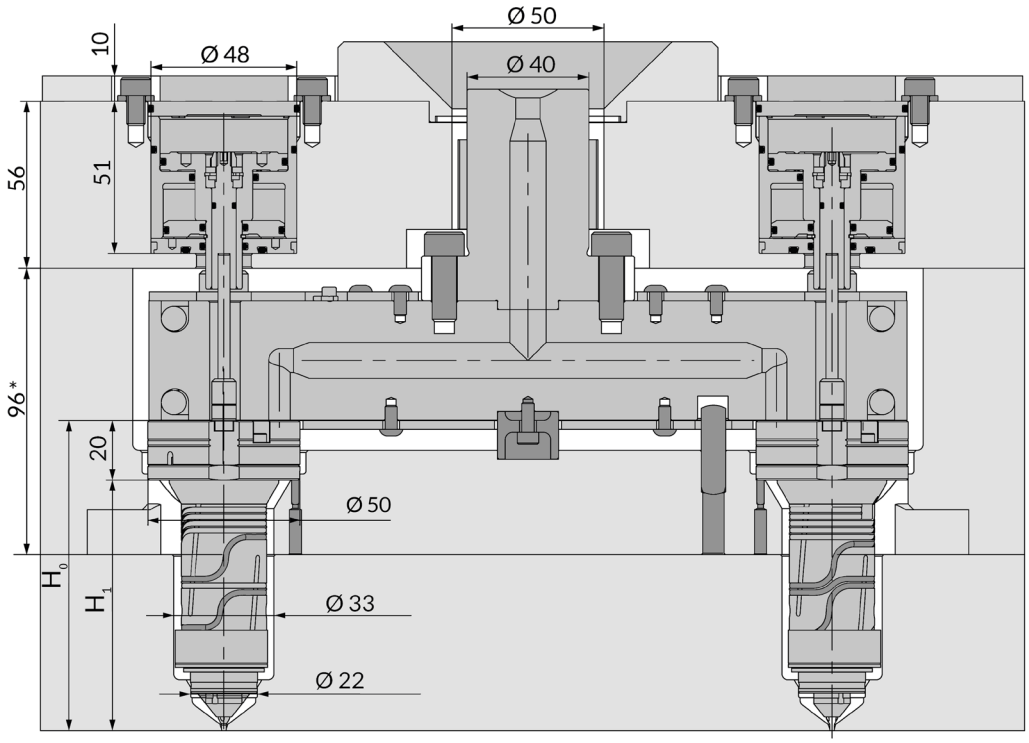
The product catalog gives a general information about the product. For tolerances and other details, use the customer drawings. There you find the detailed information.

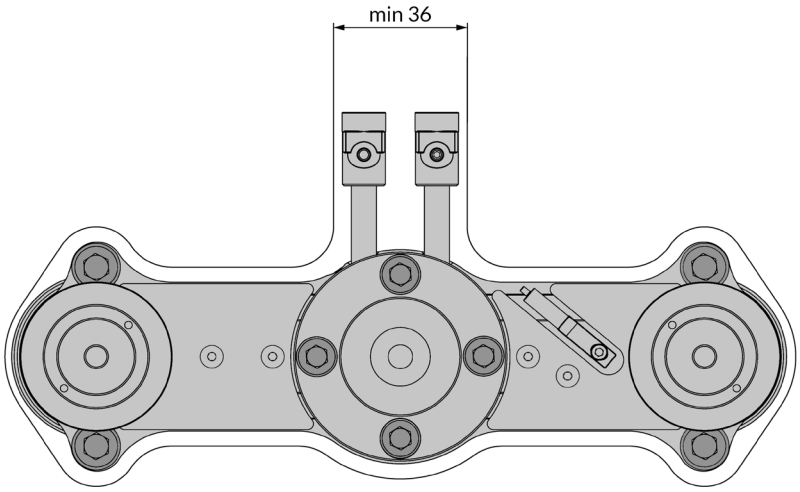
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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Bolt Down Manifold

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





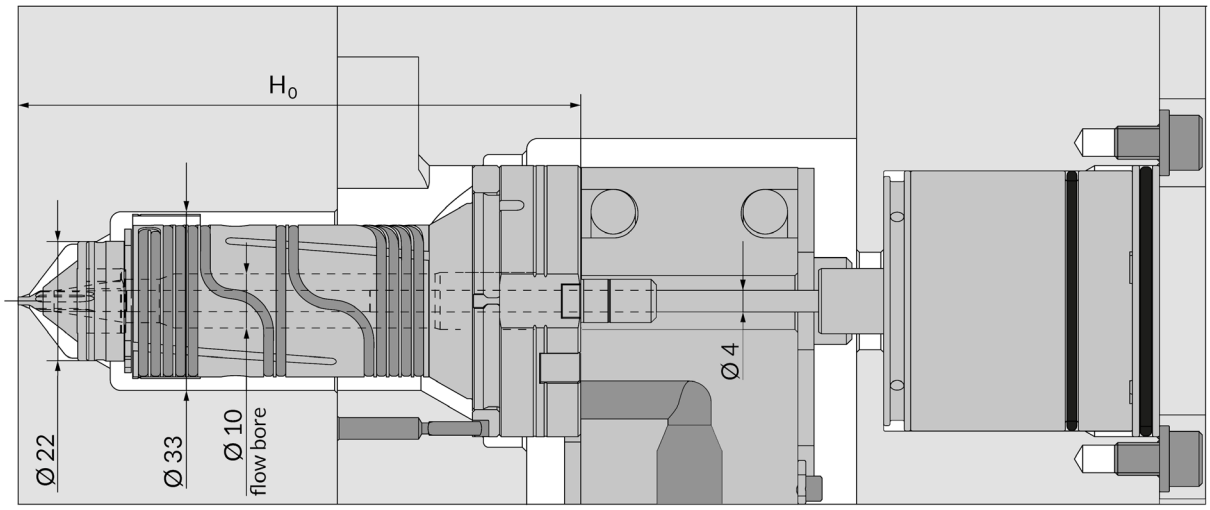
*
Hot Runner Plate height depending to H1.

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

Available Actuator PS 48.2 pneumatic

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

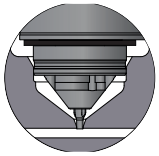
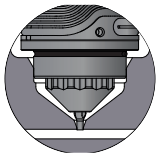


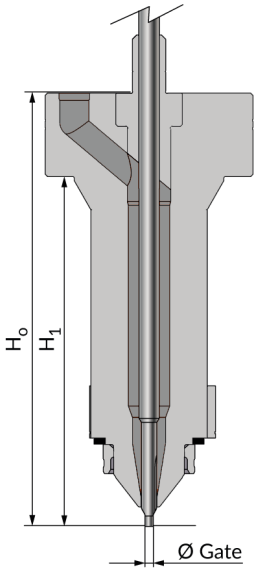
Technical Data
Pressure:
6 bar (87 psi)
Min/Max Close Forces:
F open max = 1347 N
F close max = 1415 N
Stroke:
12 mm

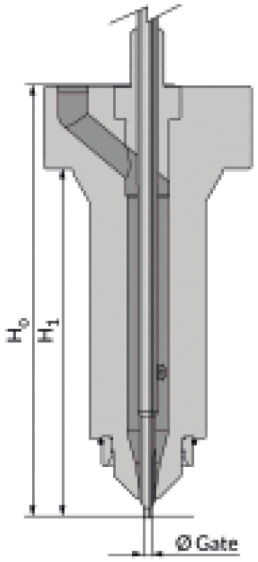
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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Standard SE22 and S22

Valve gate - Straight pin	
SE22 - Special Execution	S22 - Standard
	
Gate diameter (Dg)	Gate diameter (Dg)
Ø 1,0; 1,2; 1,5; 1,8; 2,0; 2,5; 2,9	Ø 1,0; 1,2; 1,5; 1,8; 2,0; 2,5; 2,9





MSN-22-50_A-SE22			
H_0	H_1	Code	DTE Watt
79	**59**	**MSN-22-50_A-SE22-79**	**400 W**
104	**84**	**MSN-22-50_A-SE22-104**	**500 W**
129	**109**	**MSN-22-50_A-SE22-129**	**550 W**
154	**134**	**MSN-22-50_A-SE22-154**	**600 W**
179	**159**	**MSN-22-50_A-SE22-179**	**600 W**
204*	184*	MSN-22-50_A-SE22-204	600 W
229*	209*	MSN-22-50_A-SE22-229	600 W
254*	234*	MSN-22-50_A-SE22-254	600 W

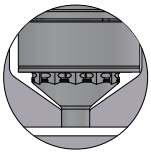
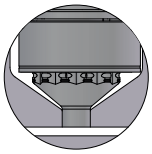
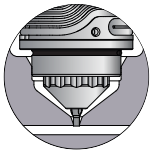
MCN-22-50_A-S22			
H_0	H_1	Code	DTE Watt
104	**84**	**MCN-22-50_A-S22-104**	**500 W**
129	**109**	**MCN-22-50_A-S22-129**	**550 W**
154	**134**	**MCN-22-50_A-S22-154**	**550 W**
179	**159**	**MCN-22-50_A-S22-179**	**600 W**
204*	184*	MCN-22-50_A-S22-204	600 W
229*	209*	MCN-22-50_A-S22-229	600 W
254*	234*	MCN-22-50_A-S22-254	600 W
279*	259*	MCN-22-50_A-S22-279	350 W+500 W
304*	284*	MCN-22-50_A-S22-304	350 W+500 W
329*	309*	MCN-22-50_A-S22-329	350 W+500 W
354*	334*	MCN-22-50_A-S22-354	350 W+500 W
379*	359*	MCN-22-50_A-S22-379	350 W+500 W
404*	384*	MCN-22-50_A-S22-404	350 W+500 W

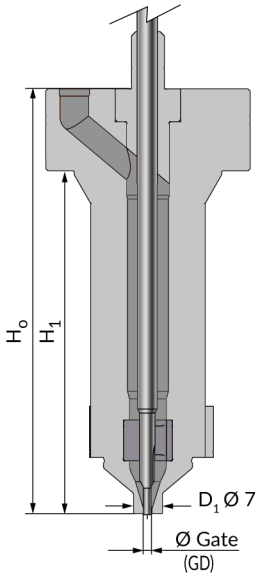
* Extended standard

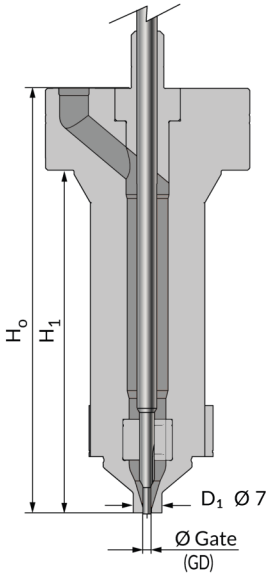
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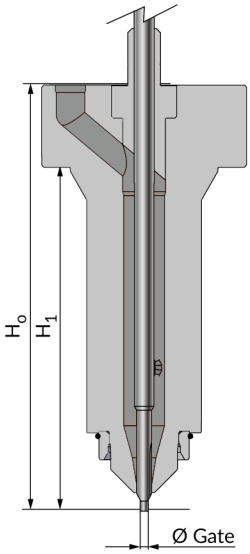
Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.
Dimensions for reference only. Reference system drawing for complete dimensions prior to machining gate detail in mold.

Extended Standard EP_7, H_7 and P22

Valve gate - Straight pin		
EP_7	H_7	P22
		
Gate diameter (Dg)	Gate diameter (Dg)	Gate diameter (Dg)
Ø 1,5; 2,0; 2,5	Ø 1,5; 2,0; 2,5	Ø 1,0; 1,2; 1,5; 1,8; 2,0; 2,5; 2,9







MCN-22-50_A-EP7_(GD)			
H_0	H_1	Code	DTE Watt
104	84	MCN-22-50_A-EP7_(GD)-104	500 W
129	109	MCN-22-50_A-EP7_(GD)-129	550 W
154	134	MCN-22-50_A-EP7_(GD)-154	550 W
179	159	MCN-22-50_A-EP7_(GD)-179	600 W
204	184	MCN-22-50_A-EP7_(GD)-204	600 W
229	209	MCN-22-50_A-EP7_(GD)-229	600 W
254	234	MCN-22-50_A-EP7_(GD)-254	600 W
279	259	MCN-22-50_A-EP7_(GD)-279	350W+500W
304	284	MCN-22-50_A-EP7_(GD)-304	350W+500W
329	309	MCN-22-50_A-EP7_(GD)-329	350W+500W
354	334	MCN-22-50_A-EP7_(GD)-354	350W+500W
379	359	MCN-22-50_A-EP7_(GD)-379	350W+500W
404	384	MCN-22-50_A-EP7_(GD)-404	350W+500W

MCN-22-50_A-H_7_(GD)			
H_0	H_1	Code	DTE Watt
104	84	MCN-22-50_A-H_7_(GD)-104	500 W
129	109	MCN-22-50_A-H_7_(GD)-129	550 W
154	134	MCN-22-50_A-H_7_(GD)-154	550 W
179	159	MCN-22-50_A-H_7_(GD)-179	600 W
204	184	MCN-22-50_A-H_7_(GD)-204	600 W
229	209	MCN-22-50_A-H_7_(GD)-229	600 W
254	234	MCN-22-50_A-H_7_(GD)-254	600 W
279	259	MCN-22-50_A-H_7_(GD)-279	350W+500W
304	284	MCN-22-50_A-H_7_(GD)-304	350W+500W
329	309	MCN-22-50_A-H_7_(GD)-329	350W+500W
354	334	MCN-22-50_A-H_7_(GD)-354	350W+500W
379	359	MCN-22-50_A-H_7_(GD)-379	350W+500W
404	384	MCN-22-50_A-H_7_(GD)-404	350W+500W

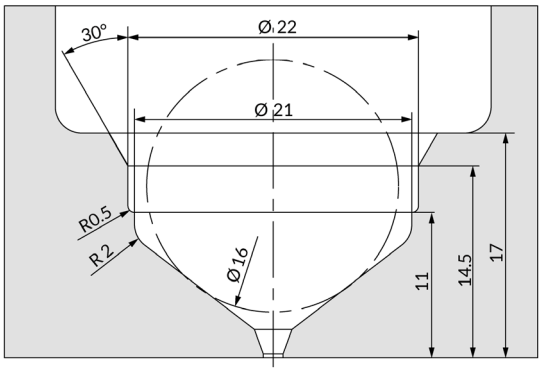
MCN-22-50_A-P22			
H_0	H_1	Code	DTE Watt
104	84	MCN-22-50_A-P22-104	500 W
129	109	MCN-22-50_A-P22-129	550 W
154	134	MCN-22-50_A-P22-154	550 W
179	159	MCN-22-50_A-P22-179	600 W
204	184	MCN-22-50_A-P22-204	600 W
229	209	MCN-22-50_A-P22-229	600 W
254	234	MCN-22-50_A-P22-254	600 W
279	259	MCN-22-50_A-P22-279	350W+500W
304	284	MCN-22-50_A-P22-304	350W+500W
329	309	MCN-22-50_A-P22-329	350W+500W
354	334	MCN-22-50_A-P22-354	350W+500W
379	359	MCN-22-50_A-P22-379	350W+500W
404	384	MCN-22-50_A-P22-404	350W+500W

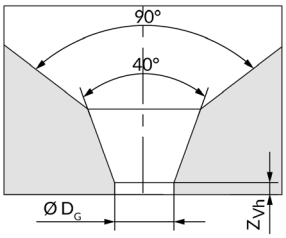
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Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.
Dimensions for reference only. Reference system drawing for complete dimensions prior to machining gate detail in mold.

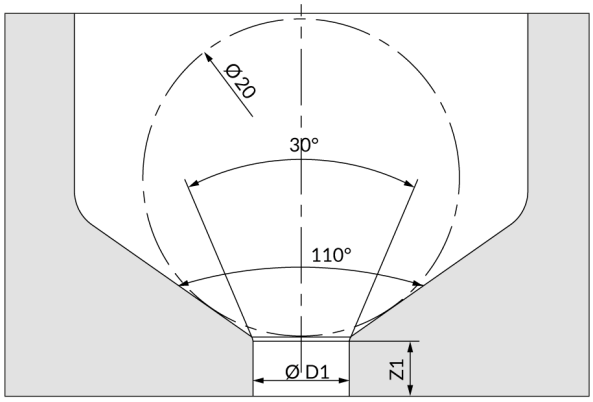
Cutout Dimensions MCN-A-P22 / MSN-A-SE22

The following pictures shows the cutout dimensions for this nozzle.



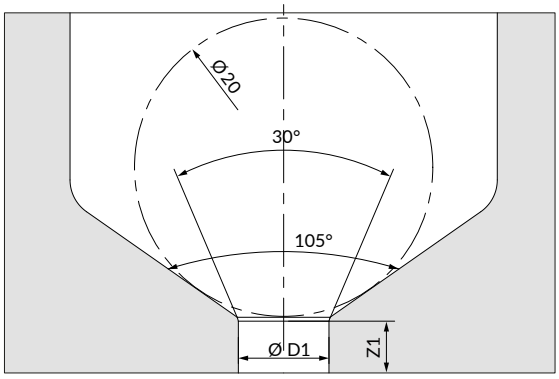


Cutout Dimensions MCN-A-EP_7



Abbr.	Written out
D1	Tip Diameter
Z1	Tip contact lenght

Cutout Dimensions MCN-A-H



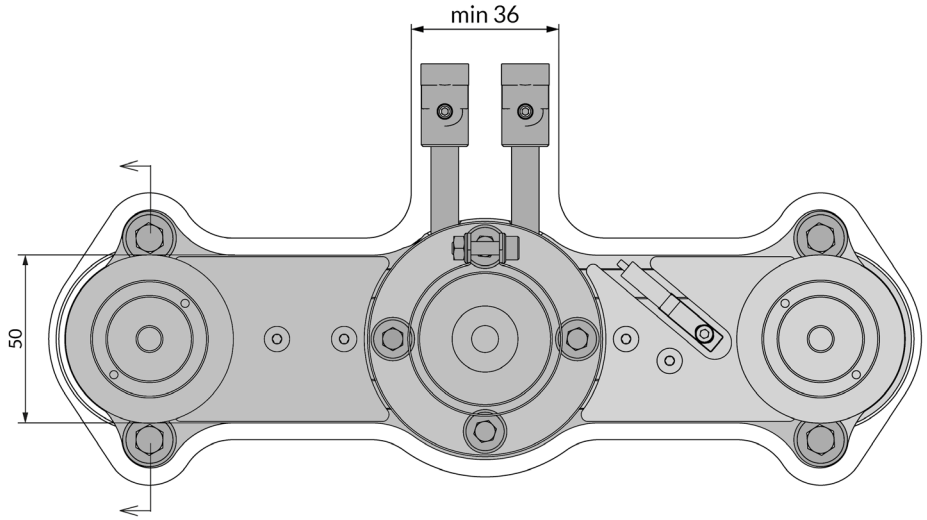
Abbr.	Written out
D1	Tip Diameter
Z1	Tip contact lenght

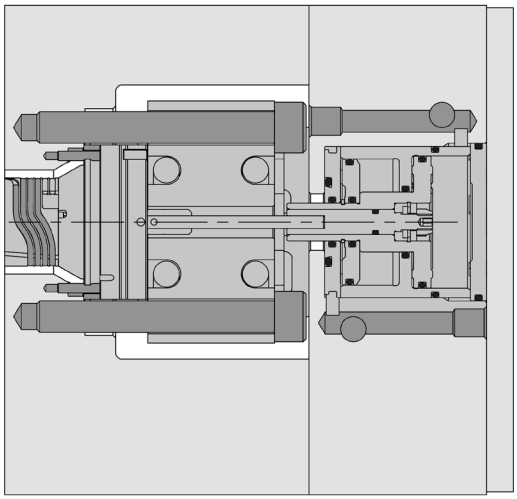
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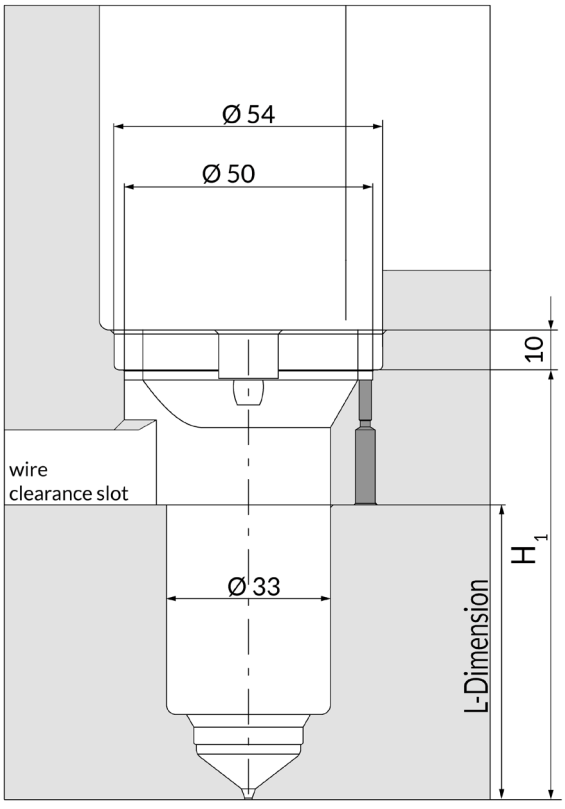
Illustrations simplified, schematically drawn and not to scale. All dimensions in mm.

Nozzle overview

The actuator PS 48.2 is used for this nozzle.







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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Contact

Here you will find the main contact from Männer.

Europe / Germany

Otto Männer GmbH
Unter Gereuth 9–11
79353 Bahlingen a.K.

Tel. :+49 (0) 7663 609-0
Fax :+49 (0) 7663 609-299

Internet: www.maenner-group.com
Email: info@maenner-group.com

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