



Open
hot runner systems



2.5 Connecting elements

HEATED ADAPTERS

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AHJ4-6

Heated adapter for using system nozzles as single nozzles

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AHJ8-12

Heated adapter for using system nozzles as single nozzles

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CONNECTION PIECES



AK

Connection piece linking the machine nozzle and manifold

40



AKV

Connection piece linking the machine nozzle and manifold

50



AS

Connection piece linking the machine nozzle and manifold

60



ASV

Connection piece linking the machine nozzle and manifold

70



Heated adapter type AHJ4-6

Heated adapter for using system nozzles as single nozzles

TECHNICAL DATA

AHJ4-6

Operating voltage 230 V_{AC} *

Adapter straight (G)/radius (R)/
angle (W)

Can be used with nozzle type/Delivery times:

Type	4SHF/DHF	5SHF/DHF 5SHT/DHT	6SHF/DHF 6SHT/DHT
AHJ4	■		
AHJ5		■	
AHJ6			■

*Volts alternating current

■ available

NOTE

Recommended for processing thermally sensitive plastics.

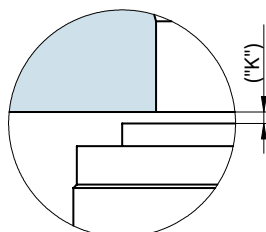
Using a heated adapter, the nozzle types specified above can also be used as single nozzles.

Specify the machine nozzle version when ordering.



Type	Heated adapter (mm)		Installation (mm)	
	Ød1	Ød	A	B
			Strength class 12.9 (DIN EN ISO 4762) Screw size	Strength class 12.9 (DIN EN ISO 4762) Screw size
AHJ4	4.0	3.8	4 x M10 x ...	2 x M5 x 16
AHJ5	5.0	4.8	4 x M10 x ...	2 x M5 x 16
AHJ6	6.0	6.0	4 x M12 x ...	2 x M5 x 16

Detail "Z"



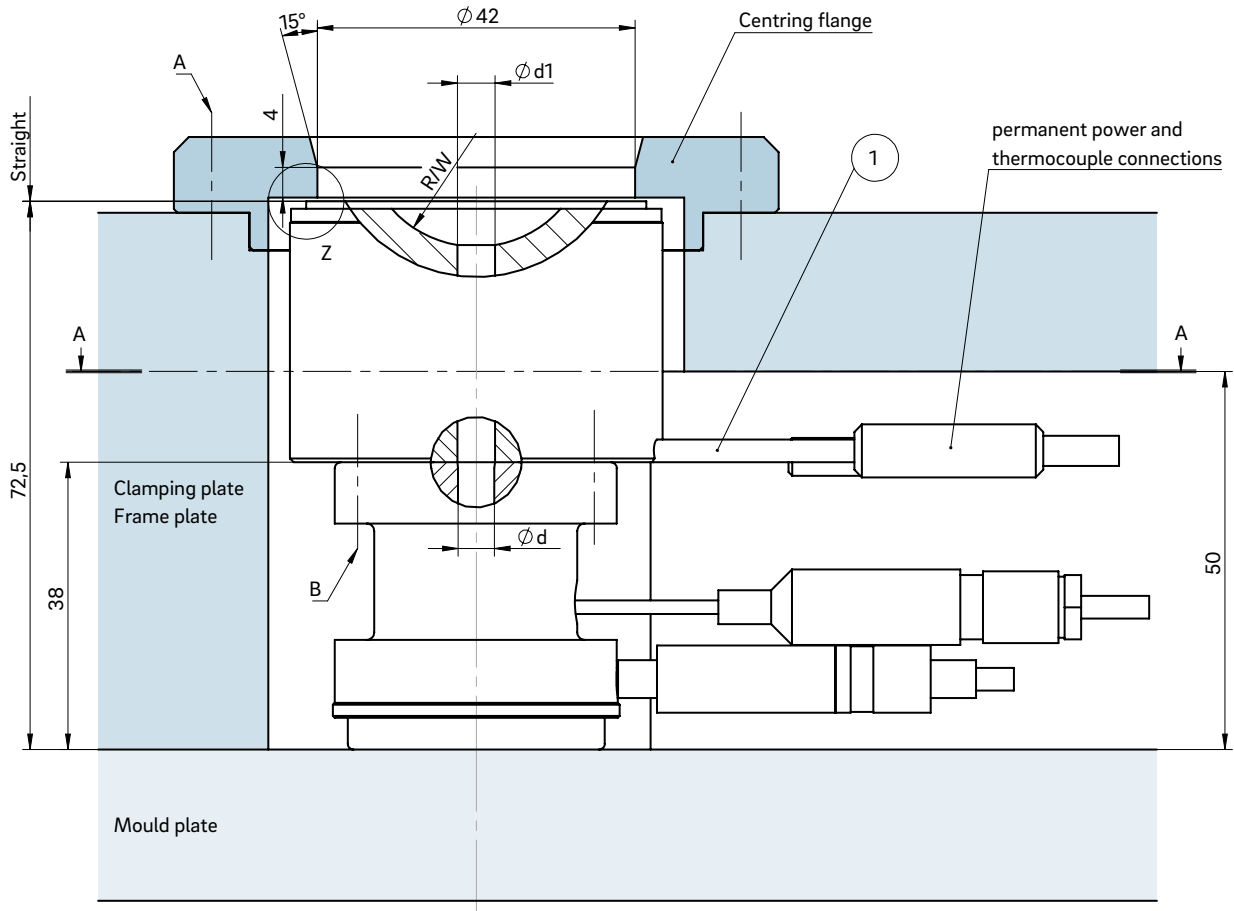
Dimension "K" required for heat expansion is to be ensured by grinding the locating ring! Determine the difference between the height of the nozzle (with adapter) and the height of the structure when installed! ΔT specifies the temperature differential between the processing temperature and the mould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

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

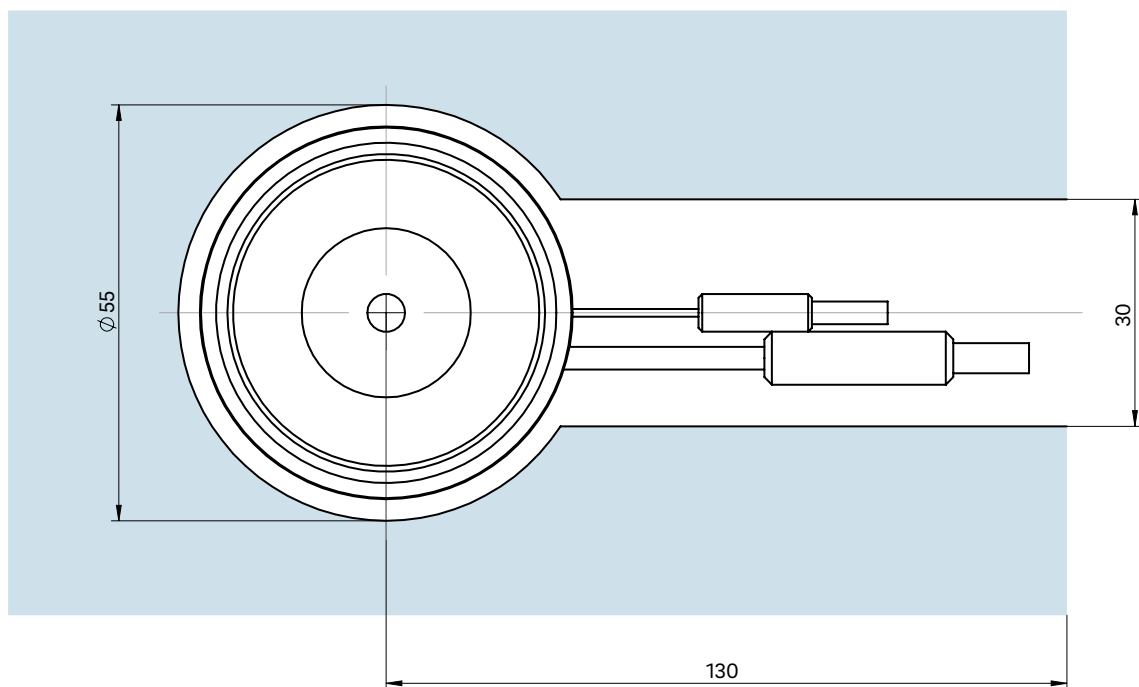
WEBCODE
24010



INSTALLATION



Cross-section A-A: Cutout for heated adapter AHJ4-6



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



Heated adapter type AHJ8-12

Heated adapter for using system nozzles as single nozzles

TECHNICAL DATA

AHJ8-12

Operating voltage 230 V_{AC} *

Adapter straight (G)/radius (R)/
angle (W)

Can be used with nozzle type/Delivery times:

Type	8SHT/DHT	10SHT/DHT	12SHT/DHT
AHJ8	■		
AHJ10		■	
AHJ12			■

*Volts alternating current

■ available

NOTE

Recommended for processing thermally sensitive plastics.

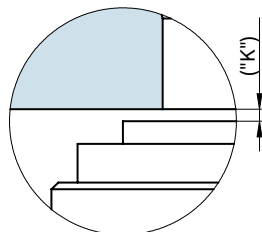
Using a heated adapter, the nozzle types specified above can also be used as single nozzles.

Specify the machine nozzle version when ordering.



Type	Heated adapter (mm)		Installation (mm)	
	Ød1	Ød	A	B
			Strength class 12.9 (DIN EN ISO 4762) Screw size	Strength class 12.9 (DIN EN ISO 4762) Screw size
AHJ8	6.0	7.5	4 x M12 x ...	2 x M5 x 25
AHJ10	8.0	10.0	4 x M12 x ...	2 x M5 x 25
AHJ12	10.0	12.0	4 x M16 x ...	2 x M5 x 25

Detail "Z"



Dimension "K" required for heat expansion is to be ensured by grinding the locating 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

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24020



Connection piece type AK

Connection piece linking the machine nozzle and manifold

TECHNICAL DATA

AK

Adapter straight (G)/radius (R)/
angle (W)

Connection piece (mm):

Type	Ød1	Ød2	
AK3	3	3	■
AK4	4	4	■
AK5	5	5	■
AK6	6	6	■
AK8	6	8	■
AK10	8	10	■

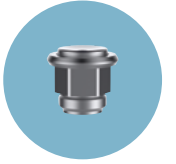
■ *available*

NOTE

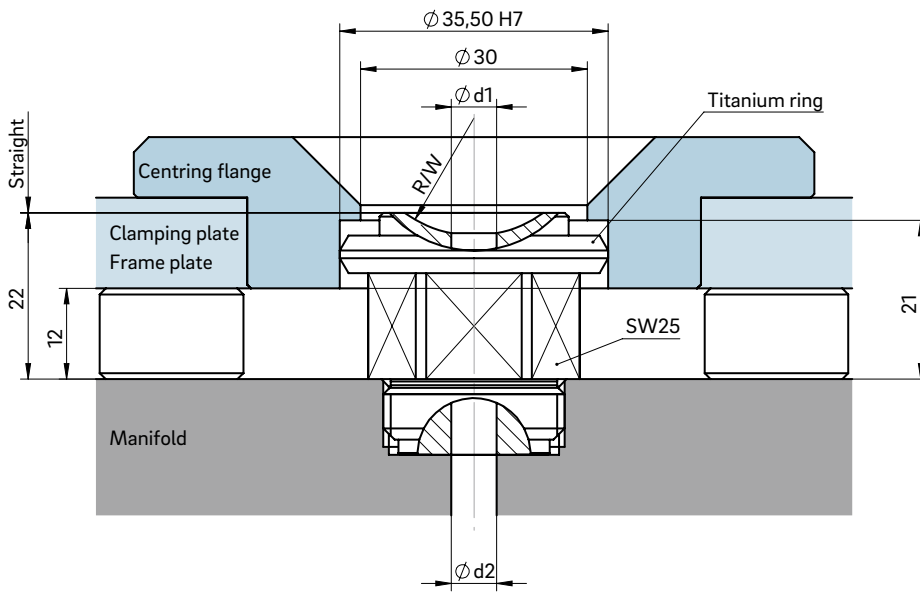
Specify the machine nozzle version when ordering.



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INSTALLATION





Connection piece type AKV

Connection piece linking the machine nozzle and manifold

TECHNICAL DATA

AKV

Operating voltage 230 V_{AC} *

Adapter straight (G)/radius (R)/
angle (W)

Nominal length L (mm) of the connection piece/

Delivery times:

Type	40	50	60
AKV3	■	■	■
AKV4	■	■	■
AKV5	■	■	■
AKV6	■	■	■
AKV8	■	■	■
AKV10	■	■	■

*Volts alternating current

■ *available*

NOTE

Specify the machine nozzle version when ordering.

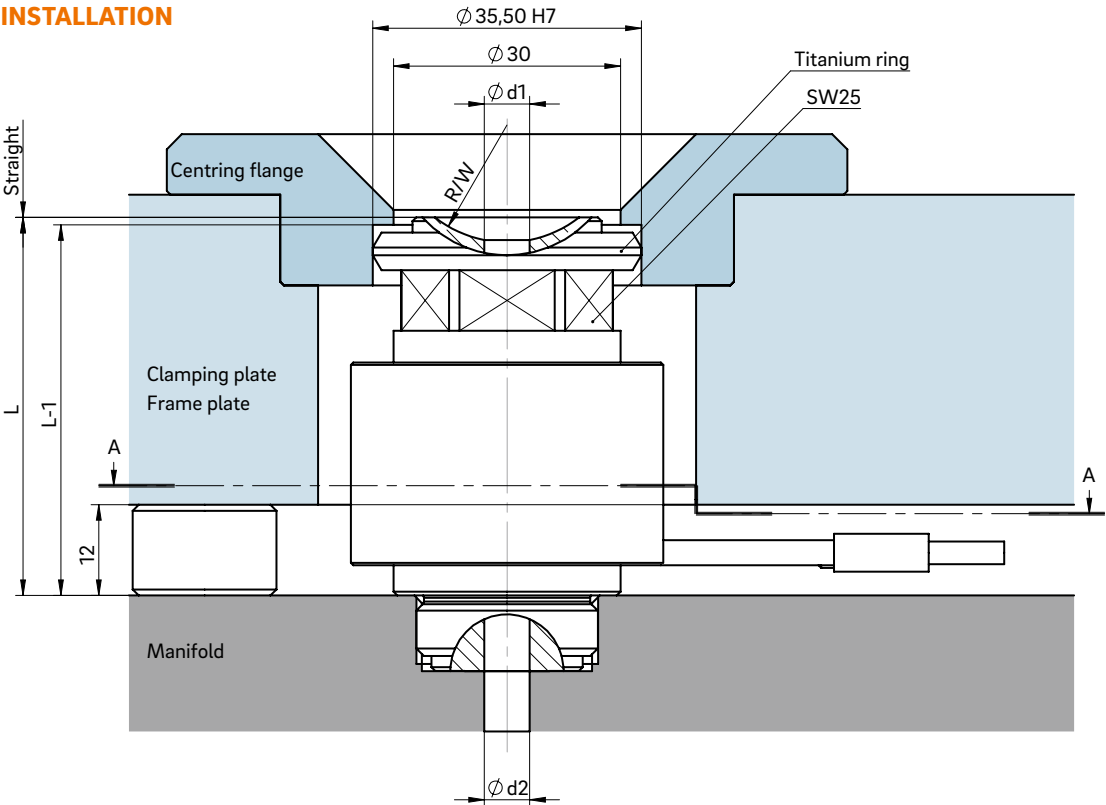


Type	Connecting nozzle (mm)	
	Ød1	Ød2
AKV3	3	3
AKV4	4	4
AKV5	5	5
AKV6	6	6
AKV8	6	8
AKV10	8	10

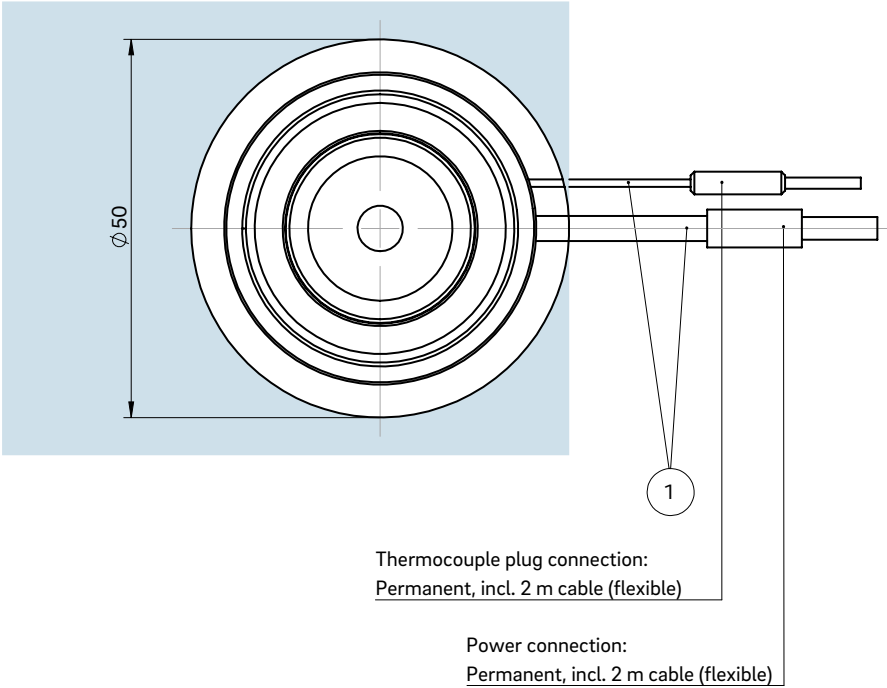
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24120



INSTALLATION



Cross-section A-A: Cutout for connection piece, power and thermocouple cables



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



Connection piece type AS

Connection piece linking the machine nozzle and manifold

TECHNICAL DATA

AS

Adapter straight (G)/radius (R)/
angle (W)

Connection piece (mm):

Type	Ød1	Ød2	
AS12	10	12	■
AS14	12	14	■
AS16	14	16	■

■ *available*

NOTE

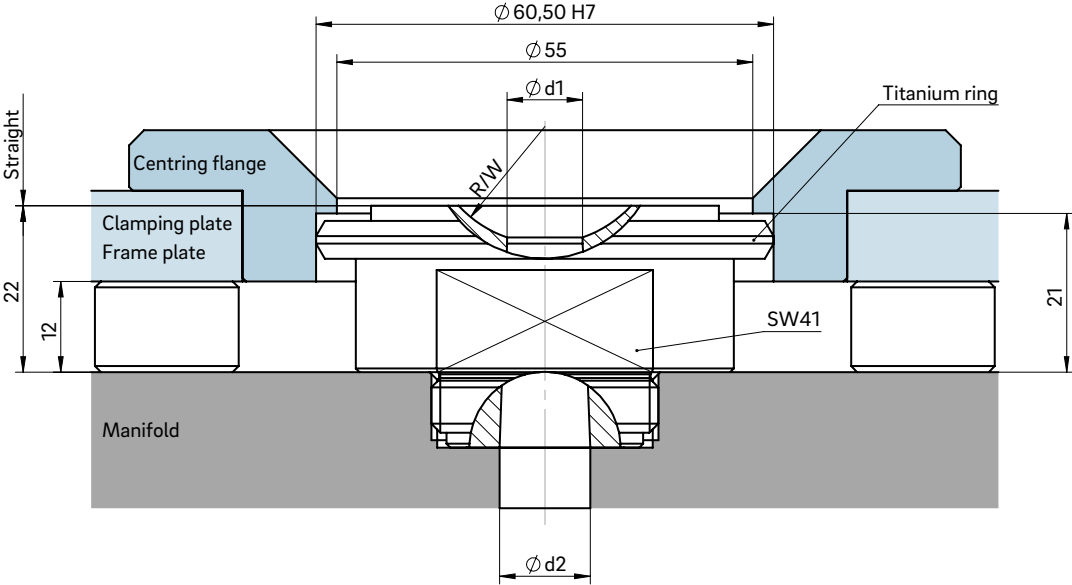
Specify the machine nozzle version when ordering.



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24130



INSTALLATION





Connection piece type ASV

Connection piece linking the machine nozzle and manifold

TECHNICAL DATA

ASV

Operating voltage 230 V_{AC} *

Adapter straight (G)/radius (R)/
angle (W)

**Nominal length L (mm) of the connection piece/
Delivery times:**

Type	40	50	60
ASV12	■	■	■
ASV14	■	■	■
ASV16	■	■	■

*Volts alternating current

■ *available*

NOTE

Specify the machine nozzle version when ordering.

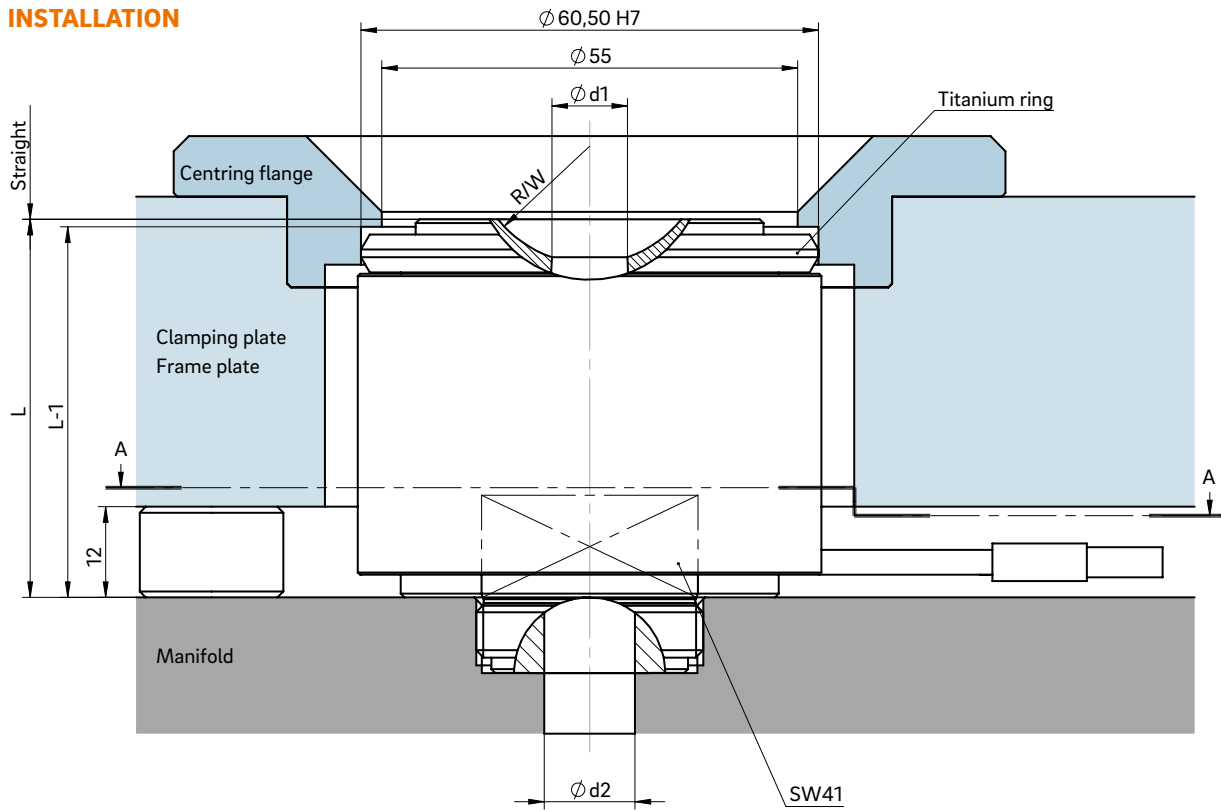


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24140

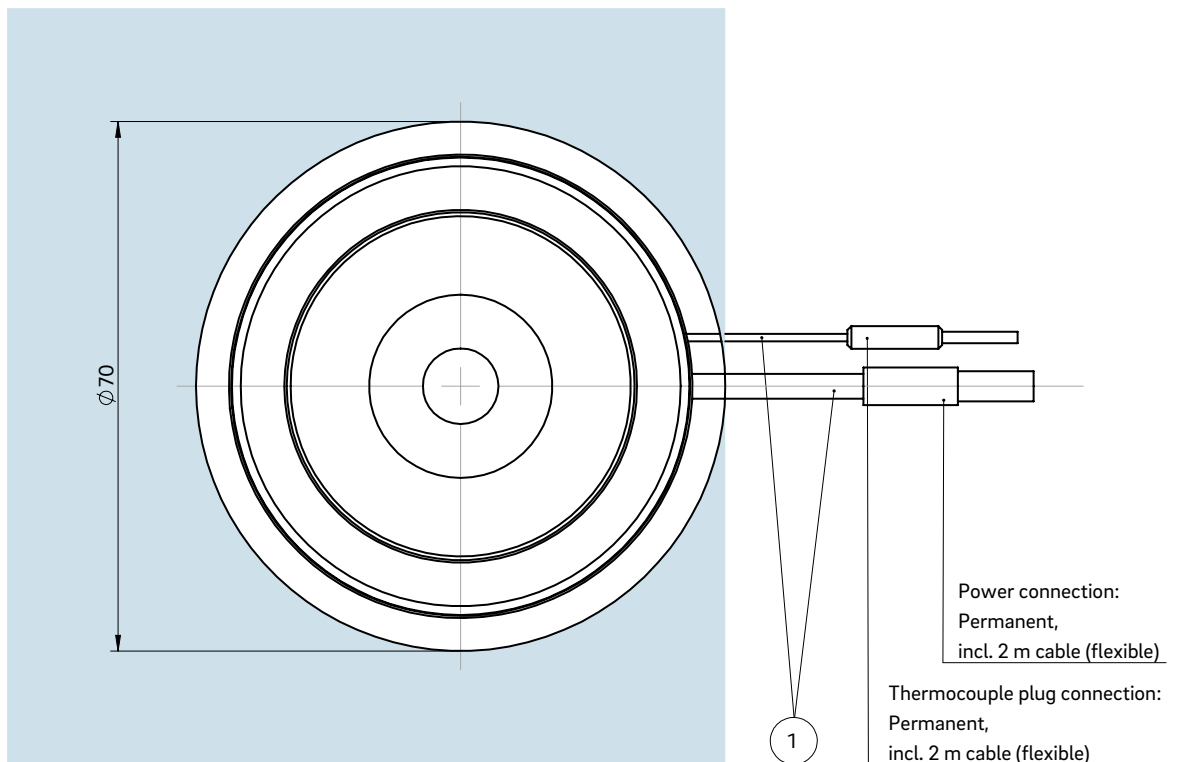
Type	Connecting nozzle (mm)	
	Ød1	Ød2
ASV12	10	12
ASV14	12	14
ASV16	14	16



INSTALLATION



Cross-section A-A: Cutout for connection piece, power and thermocouple cables



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