SORTIMENTSERWEITERUNG HEISSKANALTECHNIK

EXPANSION OF HOT RUNNER SYSTEMS RANGE

Das Sortiment an standardisierten Heißkanalkomponenten wurde um einige Ersatzteile ergänzt.

Wir haben die bestehende Einzelnadelverschlussdüse EH 4050 um die Größen 47 und 57 erweitert.

The range of standardised hot runner components has been expanded with several spare parts.

We have added sizes 47 and 57 to the existing EH 4050 single nozzle with valve gate.

neusburger

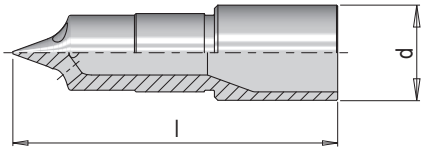
Standards for your success.

meusburger

EH 4304

Düsenspitze, smartFILL RS

Nozzle tip, smartFILL RS



d	l	**Serie** / *Series*	**Material** / *Material*	**Nr.** / *No.*
8.5	29	27	C /	EH 4304/27/C
13	34.5	37	C /	EH 4304/37/C

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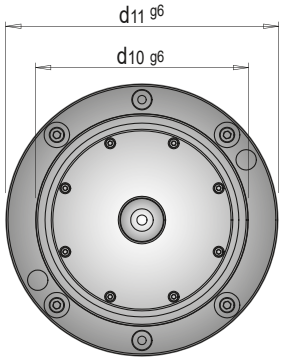
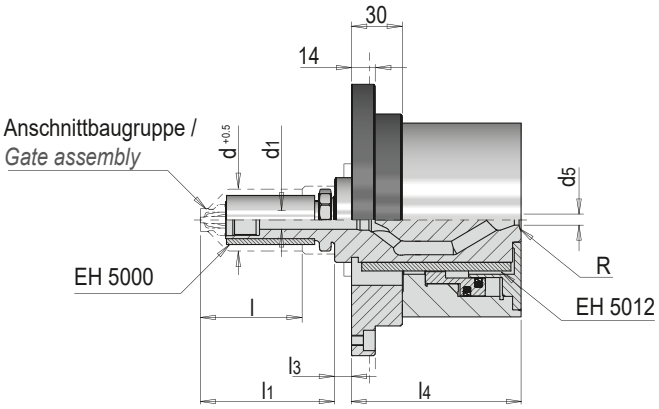
EH 4050

Einzelnadelverschlussdüse, smartFILL

Single nozzle valve gate, smartFILL





d5	d10	d11	l1	l3	l4	V[1)]	Regelzone / *Control zone*	d	l	d1	R	Nr. / *No.*
6	125	160	79	10	100	3.47	2	**19**	**60**	**5**	**0**	EH 4050/19 x 60/ 5/ 0
			99			3.73			**80**			EH 4050/19 x 80/ 5/ 0
			119			3.98			**100**			EH 4050/19 x 100/ 5/ 0
			139			4.23			**120**			EH 4050/19 x 120/ 5/ 0
			159			4.48			**140**			EH 4050/19 x 140/ 5/ 0
			179			4.73			**160**			EH 4050/19 x 160/ 5/ 0
			79			3.47			**60**		**16**	EH 4050/19 x 60/ 5/16
			99			3.73			**80**			EH 4050/19 x 80/ 5/16
			119			3.98			**100**			EH 4050/19 x 100/ 5/16
			139			4.23			**120**			EH 4050/19 x 120/ 5/16
			159			4.48			**140**			EH 4050/19 x 140/ 5/16
			179			4.73			**160**			EH 4050/19 x 160/ 5/16
			79			3.47			**60**		**40**	EH 4050/19 x 60/ 5/40
			99			3.73			**80**			EH 4050/19 x 80/ 5/40
			119			3.98			**100**			EH 4050/19 x 100/ 5/40
			139			4.23			**120**			EH 4050/19 x 120/ 5/40
			159			4.48			**140**			EH 4050/19 x 140/ 5/40
			179			4.73			**160**			EH 4050/19 x 160/ 5/40
			79			12.38	2	**27**	**60**	**7**	**0**	EH 4050/27 x 60/ 7/ 0
			99			13.00			**80**			EH 4050/27 x 80/ 7/ 0
			119			13.63			**100**			EH 4050/27 x 100/ 7/ 0
			139			14.26			**120**			EH 4050/27 x 120/ 7/ 0
			159			14.89			**140**			EH 4050/27 x 140/ 7/ 0
			179			15.52			**160**			EH 4050/27 x 160/ 7/ 0
			79			12.38			**60**		**16**	EH 4050/27 x 60/ 7/16
			99			13.00			**80**			EH 4050/27 x 80/ 7/16
			119			13.63			**100**			EH 4050/27 x 100/ 7/16
			139			14.26			**120**			EH 4050/27 x 120/ 7/16
			159			14.89			**140**			EH 4050/27 x 140/ 7/16
			179			15.52			**160**			EH 4050/27 x 160/ 7/16
			79			12.38			**60**		**40**	EH 4050/27 x 60/ 7/40
			99			13.00			**80**			EH 4050/27 x 80/ 7/40
			119			13.63			**100**			EH 4050/27 x 100/ 7/40
			139			14.26			**120**			EH 4050/27 x 120/ 7/40
			159			14.89			**140**			EH 4050/27 x 140/ 7/40
			179			15.52			**160**			EH 4050/27 x 160/ 7/40
			79			15.64	2	**37**	**60**	**11**	**0**	EH 4050/37 x 60/11/ 0
			99			17.15			**80**			EH 4050/37 x 80/11/ 0
			119			18.66			**100**			EH 4050/37 x 100/11/ 0
			139			20.16			**120**			EH 4050/37 x 120/11/ 0
			159			21.67			**140**			EH 4050/37 x 140/11/ 0
			179			23.18			**160**			EH 4050/37 x 160/11/ 0
			79			15.64			**60**		**16**	EH 4050/37 x 60/11/16
			99			17.15			**80**			EH 4050/37 x 80/11/16
			119			18.66			**100**			EH 4050/37 x 100/11/16
			139			20.16			**120**			EH 4050/37 x 120/11/16
			159			21.67			**140**			EH 4050/37 x 140/11/16
			179			23.18			**160**			EH 4050/37 x 160/11/16
			79			15.64			**60**		**40**	EH 4050/37 x 60/11/40
			99			17.15			**80**			EH 4050/37 x 80/11/40
			119			18.66			**100**			EH 4050/37 x 100/11/40
			139			20.16			**120**			EH 4050/37 x 120/11/40
			159			21.67			**140**			EH 4050/37 x 140/11/40
			179			23.18			**160**			EH 4050/37 x 160/11/40

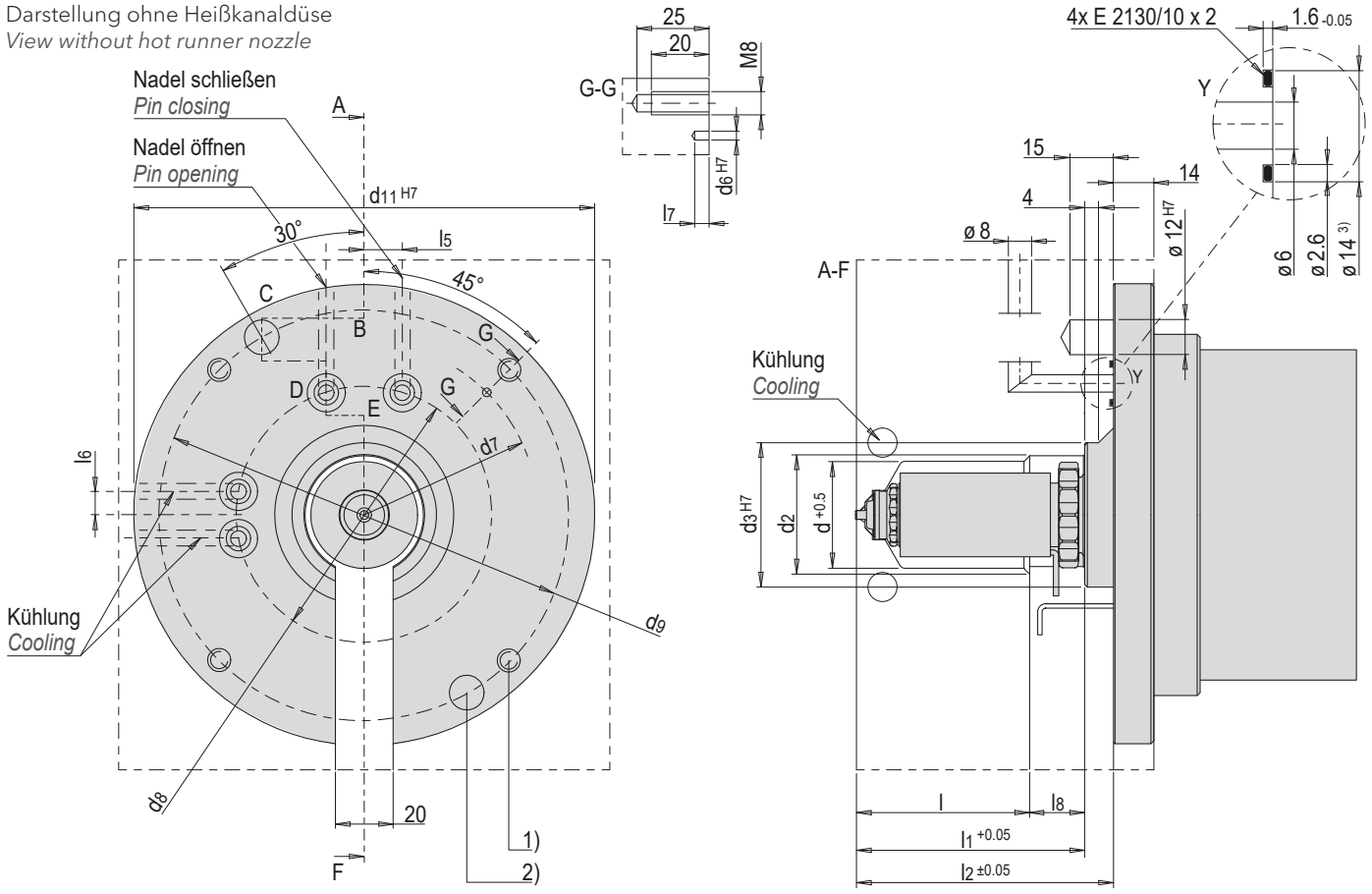
1) Volumen Schmelzekanal, inkl. Anschnittbaugruppe (cm³) / Melt channel volume, incl. gate assembly (cm³)

d5	d10	d11	l1	l3	l4	V[1)]	Regelzone / *Control zone*	d	l	d1	R	Nr. / *No.*
10	160	200	120	20	145	56.16	2	**47**	**100**	**16**	**0**	EH 4050/47 x 100/16/ 0
			140			59.61			**120**			EH 4050/47 x 120/16/ 0
			160			63.07			**140**			EH 4050/47 x 140/16/ 0
			180			66.52			**160**			EH 4050/47 x 160/16/ 0
			200			69.98			**180**			EH 4050/47 x 180/16/ 0
			220			73.44	3		**200**			EH 4050/47 x 200/16/ 0
			240			76.89			**220**			EH 4050/47 x 220/16/ 0
			270			82.07			**250**			EH 4050/47 x 250/16/ 0
			120			56.16	2		**100**		**16**	EH 4050/47 x 100/16/16
			140			59.61			**120**			EH 4050/47 x 120/16/16
			160			63.07			**140**			EH 4050/47 x 140/16/16
			180			66.52			**160**			EH 4050/47 x 160/16/16
			200			69.98			**180**			EH 4050/47 x 180/16/16
			220			73.44	3		**200**			EH 4050/47 x 200/16/16
			240			76.89			**220**			EH 4050/47 x 220/16/16
			270			82.07			**250**			EH 4050/47 x 250/16/16
			120			56.16	2		**100**		**40**	EH 4050/47 x 100/16/40
			140			59.61			**120**			EH 4050/47 x 120/16/40
			160			63.07			**140**			EH 4050/47 x 140/16/40
			180			66.52			**160**			EH 4050/47 x 160/16/40
			200			69.98			**180**			EH 4050/47 x 180/16/40
			220			73.44	3		**200**			EH 4050/47 x 200/16/40
			240			76.89			**220**			EH 4050/47 x 220/16/40
			270			82.07			**250**			EH 4050/47 x 250/16/40
			120			68.9	2	**57**	**100**	**20**	**0**	EH 4050/57 x 100/20/ 0
			140			74.17			**120**			EH 4050/57 x 120/20/ 0
			160			79.45			**140**			EH 4050/57 x 140/20/ 0
			180			84.73			**160**			EH 4050/57 x 160/20/ 0
			200			90.01	3		**180**			EH 4050/57 x 180/20/ 0
			220			95.29			**200**			EH 4050/57 x 200/20/ 0
			240			100.56			**220**			EH 4050/57 x 220/20/ 0
			270			108.48			**250**			EH 4050/57 x 250/20/ 0
			120			68.9	2		**100**		**16**	EH 4050/57 x 100/20/16
			140			74.17			**120**			EH 4050/57 x 120/20/16
			160			79.45			**140**			EH 4050/57 x 140/20/16
			180			84.73			**160**			EH 4050/57 x 160/20/16
			200			90.01			**180**			EH 4050/57 x 180/20/16
			220			95.29	3		**200**			EH 4050/57 x 200/20/16
			240			100.56			**220**			EH 4050/57 x 220/20/16
			270			108.48			**250**			EH 4050/57 x 250/20/16
			120			68.9	2		**100**		**40**	EH 4050/57 x 100/20/40
			140			74.17			**120**			EH 4050/57 x 120/20/40
			160			79.45			**140**			EH 4050/57 x 140/20/40
			180			84.73			**160**			EH 4050/57 x 160/20/40
			200			90.01			**180**			EH 4050/57 x 180/20/40
			220			95.29	3		**200**			EH 4050/57 x 200/20/40
			240			100.56			**220**			EH 4050/57 x 220/20/40
			270			108.48			**250**			EH 4050/57 x 250/20/40

1) Volumen Schmelzekanal, inkl. Anschnittbaugruppe (cm^3) / Melt channel volume, incl. gate assembly (cm^3)

EINBAUABMESSUNGEN
INSTALLATION DIMENSIONS

Darstellung ohne Heißkanaldüse
View without hot runner nozzle



1) Gewinde zum Anschrauben des Zentrierflansches 4 x M8x20 /
Thread for screwing in the locating ring 4 x M8x20

2) Bohrung für Montagesäule: Montagesäule ø 12 g6 nicht im Lieferumfang enthalten /
Hole for mounting pin: Mounting pin ø 12 g6 not included

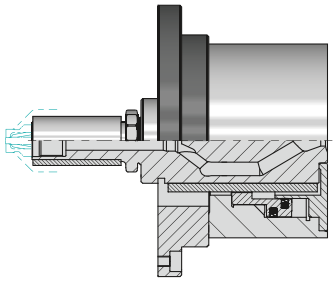
3) Einbaudurchmesser kann bis zu max. 3 % kleiner sein, damit der O-Ring in der Platte fixiert ist und hält /
Installation diameters can be max. 3 % smaller so that the O-ring is securely fixed in the plate

d	d2	d3	d6	d7	d8	d9	d11	l	l1	l2	l5	l6	l7	l8
19	21	50	3	R60	98	145	160	60	79	89	14,5	9	5	19
								80	99	109				
								100	119	129				
								120	139	149				
								140	159	169				
								160	179	189				
27	29							60	79	89				
								80	99	109				
								100	119	129				
								120	139	149				
								140	159	169				
								160	179	189				
37	41							60	79	89				
								80	99	109				
								100	119	129				
								120	139	149				
								140	159	169				
								160	179	189				
47	57	76	6	R66.5	133	180	200	100	120	140	16	16	8	20
								120	140	160				
								140	160	180				
								160	180	200				
								180	200	220				
								200	220	240				
								220	240	260				
								250	270	290				
57	67							100	120	140				
								120	140	160				
								140	160	180				
								160	180	200				
								180	200	220				
								200	220	240				
								220	240	260				
								250	270	290				

KOMBINATIONSMÖGLICHKEITEN
COMBINATION POSSIBILITIES

Düsenserie
Nozzle Series

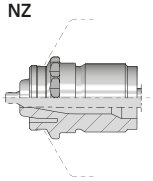
EH 4050



Serie / *Series*
EH 4050/19
EH 4050/27
EH 4050/37
EH 4050/47
EH 4050/57

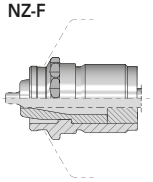
Anschnittbaugruppe Nadelverschluss
Gate valve assembly

EH 4500
NZ



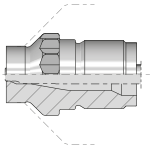
EH	Nr. / *No.*
EH 4500/19/SM	NZ 1,0
	NZ 1,5
EH 4500/27/SM	NZ 1,5
	NZ 2,5
EH 4500/37/SM	NZ 2,5
	NZ 3,5
EH 4500/47/SM	NZ 3,0
	NZ 4,0
	NZ 5,0
EH 4500/57/SM	NZ 4,0
	NZ 5,0
	NZ 6,0

EH 4504
NZ-F



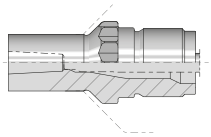
EH	Nr. / *No.*
EH 4504/19/SMS	NZ-F 1,0
	NZ-F 1,5
EH 4504/27/SMS	NZ-F 1,5
	NZ-F 2,5
EH 4504/37/SMS	NZ-F 2,5
	NZ-F 3,5
EH 4504/47/SMS	NZ-F 3,0
	NZ-F 4,0
	NZ-F 5,0

EH 4540
NZ-D



EH	Nr. / *No.*
EH 4540/19/1,5/PM	NZ-D 1,5
EH 4540/27/1,5/PM	NZ-D 1,5
EH 4540/27/2,5/PM	NZ-D 2,5
EH 4540/37/2,5/PM	NZ-D 2,5
EH 4540/37/3,5/PM	NZ-D 3,5
EH 4540/47/5,0/SM	NZ-D 5,0
EH 4540/57/5,0/SM	NZ-D 5,0
EH 4540/57/6,0/SM	NZ-D 6,0

EH 4545
NZ-DL

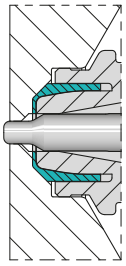


EH	Nr. / *No.*
EH 4545/27/2,5/10/PM	NZ-DL 2,5
EH 4545/37/3,5/15/PM	NZ-DL 3,5
EH 4545/47/5,0/40/SM	NZ-DL 5,0
EH 4545/57/6,0/50/SM	NZ-DL 6,0

Isolierkappe
Insulation cap

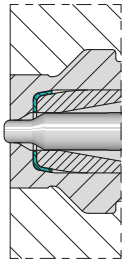
EH 4670

Nr. / *No.*
0 (nein/no)
I (ja/yes)



EH 4674

Nr. / *No.*
0 (nein/no)
I (ja/yes)



BESTELLBEISPIEL
ORDERING EXAMPLE

Artikel / *Item*	d		l	Fließkanal / Flow channel	R	Typ / *Type*	Anschnitt Ø / Gate Ø		
Düsenserie / *Nozzle series*						**Anschnittbaugruppe / *Gate type***		**Isolierkappe / *Insulation cap***	
EH 4050	/ 27	x	100	/ 7	/ 16	/ NZ-D	2,5	/	I

TECHNISCHE DATEN
SPECIFICATIONS

- Außenbeheizt 230 V AC
- Anschlussleitungen sind bis 200 °C temperaturbeständig
- Thermofühler Typ J, Fe-CuNi, DIN 43710, schwarz+/weiß-
- Kabellänge 2000 mm
- Max. Spritzdruck 1800 bar
- Anlagekraft der Maschinendüse min. 36 kN
- Längenausdehnung der Heißkanaldüse ist für ΔT=220 °C berücksichtigt
- Das Werkzeug muss geerdet werden. Wird die Heißkanaldüse außerhalb des Werkzeugs betrieben, muss die Heißkanaldüse geerdet werden.
- Temperierung vorsehen: um die Düsenspitze und gegenüber der Anbindungsstelle
- Betriebsdruckluft min. 6 bar / Öl max. 20 bar
- Positionsverstellung der Nadel ist Standard
- Die Versorgung mit Kühl- und Betätigungsmedium kann auch direkt über Anschlussfittings erfolgen. G1/8" = nicht im Lieferumfang enthalten
- Bei Anwendungen mit Farbwechsel empfehlen wir Isolierkappen einzusetzen – EH 4670 / EH 4674
- Kühlwassertemperatur: min. 20 °C bis max. 60 °C

- *Externally heated 230 V AC*
- *Connecting cables are temperature resistant up to 200 °C*
- *Thermocouple type J, Fe-CuNi, DIN EN 43722, black+/white-*
- *Cable length 2000 mm*
- *Max. injection pressure 1800 bar*
- *Contact force of the machine nozzle: minimum 36 kN*
- *Linear expansion of the nozzle is already considered for ΔT=220 °C*
- *The mould must be grounded. If the nozzle is operated outside the mould, then the nozzle must be grounded.*
- *Provide temperature regulation (heating): around the gate assembly and opposite the gating point*
- *Operating pressure air min. 6 bar / Oil max. 20 bar*
- *Pin position adjustment is standard*
- *The supply with operating and cooling mediums can de done directly via the connection fittings. G1/8"= not included*
- *For applications with colour changes we recommend using insulating caps – EH 4670 / 4674*
- *Cooling water temperature: min. 20 °C bis max. 60 °C*

ERSATZTEILE
SPARE PARTS

Serie / *Series*	**Nadelführung Einzelnadelverschluss, smartFILL** / *Pin guide single gate valve, smartFILL*	**O-Ring Metall** / *Metal O-ring seal*	**Dichtsatz Einzelnadelverschluss, smartFILL** / *Seal kit single valve gate, smartFILL*
19	EH 4062/19/3	1 x EH 4180/11.1 x 1.6	EH 4064/90
		1 x EH 4180/17.45 x 1.6	
27	EH 4062/27/3	2 x EH 4180/11.1 x 1.6	
		1 x EH 4180/17.45 x 1.6	
37	EH 4062/37/5	2 x EH 4180/11.1 x 1.6	
		1 x EH 4180/17.45 x 1.6	
47	EH 4062/37/6	2 x EH 4180/19.45 x 1.6	EH 4064/122
		1 x EH 4180/27.0 x 1.6	
57	EH 4062/37/8	2 x EH 4180/19.45 x 1.6	
		1 x EH 4180/27.0 x 1.6	

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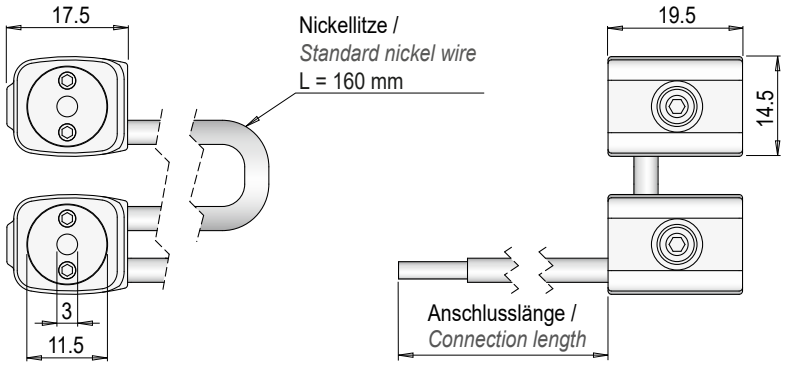
EH 5220

Anschlussklemme Rohrheizkörper, ohne Kabel

Connection terminal for tubular heating element, without cable



Typ / *Type*	**Anschlusslänge** / *Connection length*	**Nr.** / *No.*
0	**0**	EH 5220/0/0
1	**2500**	EH 5220/1/2500
2	**1500**	EH 5220/2/1500
	2500	EH 5220/2/2500
	5000	EH 5220/2/5000

1) Typ 0: Anschlussklemme ohne Nickellitze / *1) Type 0: Connection terminal without nickel wire*

2) Typ 1: Anschluss eines einzelnen Rohrheizkörpers / *Type 1: connection of one tubular heating element*

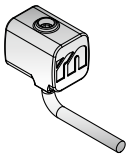
3) Typ 2: Anschluss von zwei Rohrheizkörpern parallel / *Type 2: parallel connection of two tubular heating elements*

Hinweis: zum Anschluss von Rohrheizkörpern benötigen Sie immer 2 Stück, entweder vom Typ 1 oder vom Typ 2
Note: in order to connect tubular heaters you always need 2 pieces of either Type 1 or Type 2

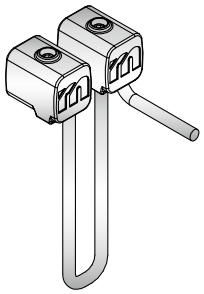
AUSFÜHRUNG
VARIATION

Typ 0 / [1] *Type 0*

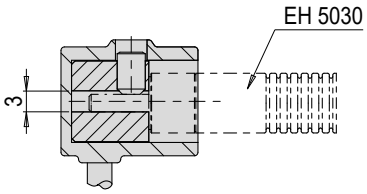
Typ 1 / [1] *Type 1*



Typ 2 / [2] *Type 2*



MONTAGEHINWEIS
INSTALLATION NOTE



Information

» Keramikklemme Typ 1 und Typ 2 konfektioniert mit hochtemperaturbeständigen Kabeln bis 300 °C
» Zum Anschluss einzelner Rohrheizkörper oder zum parallelen Anschluss
» Geeignet für Rohrheizkörper mit Pin-Durchmesser 2,5 mm, z. B. EH 5030

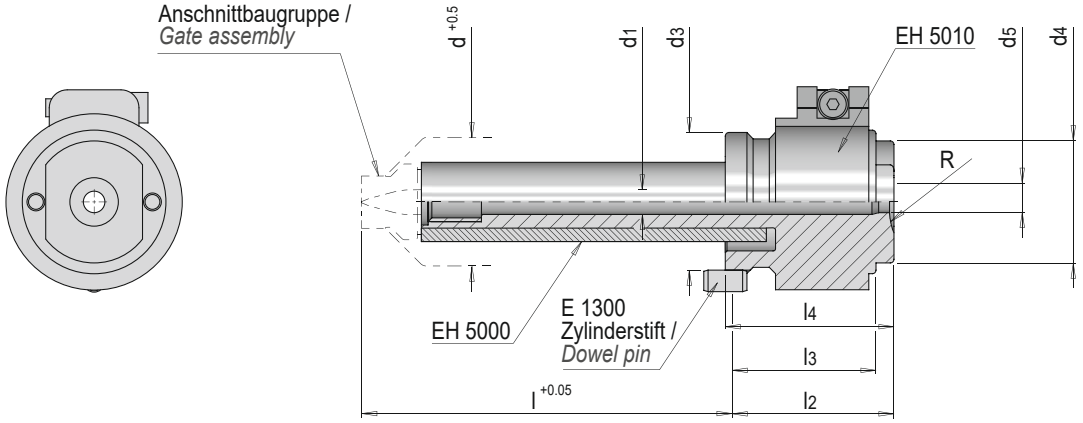
» *Ceramic clamp Type 1 and Type 2 assembled with high-temperature resistant cables up to 300 °C*
» *Connection of one tubular heater or for for parallel connection*
» *Suitable for tubular heating elements with a pin diameter of 2.5 mm, e.g. EH 5030*

meusburger

EH 4000

Einzeldüse, smartFILL

Single nozzle - smartFILL



t max. = 450°C

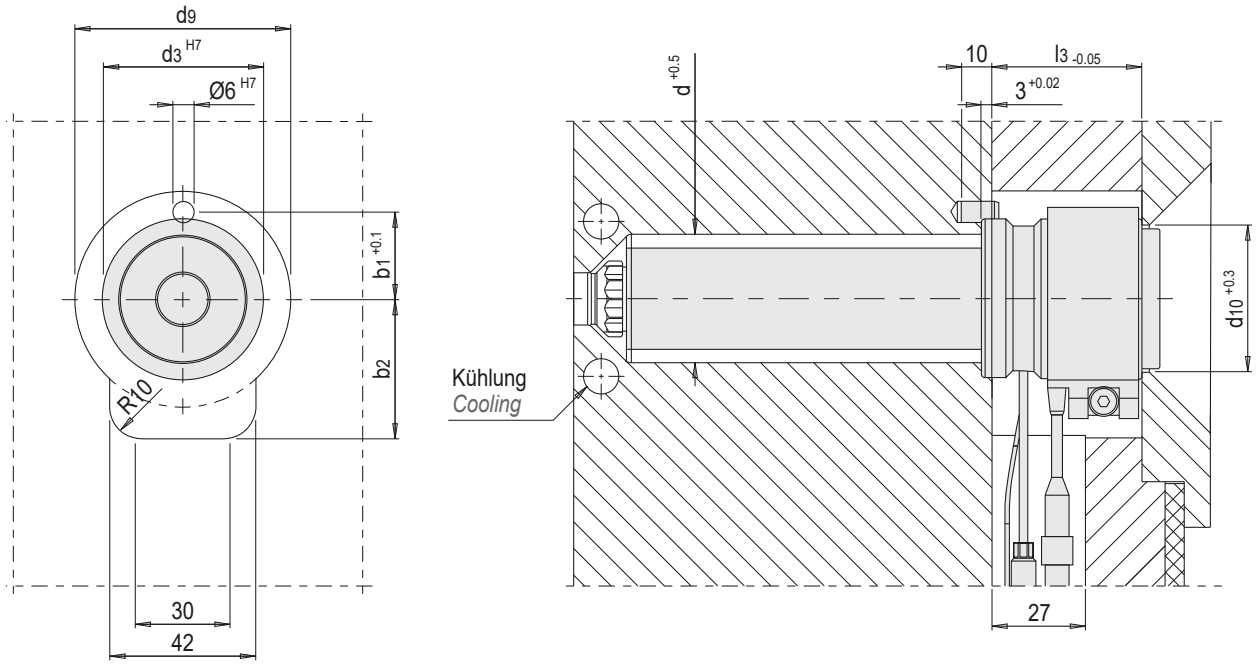
d5	d3	d4	l2	l3	l4	V[1]	d	l	d1	R	Nr. / *No.*
5	40	34	44	39	47	1.8	**19**	**60**	**5**	**0**	EH 4000/19 x 60/ 5/ 0
						2.0		**70**			EH 4000/19 x 70/ 5/ 0
						2.20		**80**			EH 4000/19 x 80/ 5/ 0
						2.39		**90**			EH 4000/19 x 90/ 5/ 0
						2.59		**100**			EH 4000/19 x 100/ 5/ 0
						2.78		**110**			EH 4000/19 x 110/ 5/ 0
						2.98		**120**			EH 4000/19 x 120/ 5/ 0
						3.18		**130**			EH 4000/19 x 130/ 5/ 0
						3.37		**140**			EH 4000/19 x 140/ 5/ 0
						3.57		**150**			EH 4000/19 x 150/ 5/ 0
						3.77		**160**			EH 4000/19 x 160/ 5/ 0
5	40	34	44	39	47	1.8	**19**	**60**	**5**	**16**	EH 4000/19 x 60/ 5/16
						2.20		**80**			EH 4000/19 x 80/ 5/16
						2.39		**90**			EH 4000/19 x 90/ 5/16
						2.59		**100**			EH 4000/19 x 100/ 5/16
						2.78		**110**			EH 4000/19 x 110/ 5/16
						2.98		**120**			EH 4000/19 x 120/ 5/16
						3.18		**130**			EH 4000/19 x 130/ 5/16
						3.37		**140**			EH 4000/19 x 140/ 5/16
						3.57		**150**			EH 4000/19 x 150/ 5/16
						3.77		**160**			EH 4000/19 x 160/ 5/16
5	40	34	44	39	47	1.8	**19**	**60**	**5**	**40**	EH 4000/19 x 60/ 5/40
						2.0		**70**			EH 4000/19 x 70/ 5/40
						2.20		**80**			EH 4000/19 x 80/ 5/40
						2.39		**90**			EH 4000/19 x 90/ 5/40
						2.59		**100**			EH 4000/19 x 100/ 5/40
						2.78		**110**			EH 4000/19 x 110/ 5/40
						2.98		**120**			EH 4000/19 x 120/ 5/40
						3.18		**130**			EH 4000/19 x 130/ 5/40
						3.37		**140**			EH 4000/19 x 140/ 5/40
						3.57		**150**			EH 4000/19 x 150/ 5/40
						3.77		**160**			EH 4000/19 x 160/ 5/40
6	40	34	44	39	47	3.38	**27**	**60**	**7**	**0**	EH 4000/27 x 60/ 7/ 0
						3.76		**70**			EH 4000/27 x 70/ 7/ 0
						4.15		**80**			EH 4000/27 x 80/ 7/ 0
						4.53		**90**			EH 4000/27 x 90/ 7/ 0
						4.92		**100**			EH 4000/27 x 100/ 7/ 0
						5.3		**110**			EH 4000/27 x 110/ 7/ 0
						5.69		**120**			EH 4000/27 x 120/ 7/ 0
						6.07		**130**			EH 4000/27 x 130/ 7/ 0
						6.46		**140**			EH 4000/27 x 140/ 7/ 0
						6.48		**150**			EH 4000/27 x 150/ 7/ 0
						7.23		**160**			EH 4000/27 x 160/ 7/ 0

d5	d3	d4	l2	l3	l4	V[1)]	d	l	d1	R	Nr. / *No.*
6	40	34	44	39	47	3.38	**27**	**60**	**7**	**16**	EH 4000/27 x 60/ 7/16
						3.76		**70**			EH 4000/27 x 70/ 7/16
						4.15		**80**			EH 4000/27 x 80/ 7/16
						4.53		**90**			EH 4000/27 x 90/ 7/16
						4.92		**100**			EH 4000/27 x 100/ 7/16
						5.3		**110**			EH 4000/27 x 110/ 7/16
						5.69		**120**			EH 4000/27 x 120/ 7/16
						6.07		**130**			EH 4000/27 x 130/ 7/16
						6.46		**140**			EH 4000/27 x 140/ 7/16
						6.84		**150**			EH 4000/27 x 160/ 7/16
						7.23		**160**			EH 4000/27 x 100/ 7/16
6	40	34	44	39	47	3.38	**27**	**60**	**7**	**40**	EH 4000/27 x 60/ 7/40
						3.76		**70**			EH 4000/27 x 70/ 7/40
						4.15		**80**			EH 4000/27 x 80/ 7/40
						4.53		**90**			EH 4000/27 x 90/ 7/40
						4.92		**100**			EH 4000/27 x 100/ 7/40
						5.3		**110**			EH 4000/27 x 110/ 7/40
						5.69		**120**			EH 4000/27 x 120/ 7/40
						6.07		**130**			EH 4000/27 x 130/ 7/40
						6.46		**140**			EH 4000/27 x 140/ 7/40
						6.84		**150**			EH 4000/27 x 150/ 7/40
						7.23		**160**			EH 4000/27 x 160/ 7/40
8	46	40	48	43	51	8.1	**37**	**60**	**11**	**0**	EH 4000/37 x 60/11/ 0
						9.05		**70**			EH 4000/37 x 70/11/ 0
						10.0		**80**			EH 4000/37 x 80/11/ 0
						10.95		**90**			EH 4000/37 x 90/11/ 0
						11.9		**100**			EH 4000/37 x 100/11/ 0
						12.85		**110**			EH 4000/37 x 110/11/ 0
						13.8		**120**			EH 4000/37 x 120/11/ 0
						14.75		**130**			EH 4000/37 x 130/11/ 0
						15.7		**140**			EH 4000/37 x 140/11/ 0
						16.65		**150**			EH 4000/37 x 150/11/ 0
						17.6		**160**			EH 4000/37 x 160/11/ 0
8	46	40	48	43	51	8.1	**37**	**60**	**11**	**16**	EH 4000/37 x 60/11/16
						9.05		**70**			EH 4000/37 x 70/11/16
						10.0		**80**			EH 4000/37 x 80/11/16
						10.95		**90**			EH 4000/37 x 90/11/16
						11.9		**100**			EH 4000/37 x 100/11/16
						12.85		**110**			EH 4000/37 x 110/11/16
						13.8		**120**			EH 4000/37 x 120/11/16
						14.75		**130**			EH 4000/37 x 130/11/16
						15.7		**140**			EH 4000/37 x 140/11/16
						16.65		**150**			EH 4000/37 x 150/11/16
						17.6		**160**			EH 4000/37 x 160/11/16
8	46	40	48	43	51	8.1	**37**	**60**	**11**	**40**	EH 4000/37 x 60/11/40
						9.05		**70**			EH 4000/37 x 70/11/40
						10.0		**80**			EH 4000/37 x 80/11/40
						10.95		**90**			EH 4000/37 x 90/11/40
						11.9		**100**			EH 4000/37 x 100/11/40
						12.85		**110**			EH 4000/37 x 110/11/40
						13.8		**120**			EH 4000/37 x 120/11/40
						14.75		**130**			EH 4000/37 x 130/11/40
						15.7		**140**			EH 4000/37 x 140/11/40
						16.65		**150**			EH 4000/37 x 150/11/40
						17.6		**160**			EH 4000/37 x 160/11/40
8	70	62	61	53	64	24.99	**47**	**100**	**16**	**0**	EH 4000/47 x 100/16/ 0
						29.01		**120**			EH 4000/47 x 120/16/ 0
						33.03		**140**			EH 4000/47 x 140/16/ 0
						37.06		**160**			EH 4000/47 x 160/16/ 0
						41.07		**180**			EH 4000/47 x 180/16/ 0
						45.1		**200**			EH 4000/47 x 200/16/ 0
						49.12		**220**			EH 4000/47 x 220/16/ 0
						55.15		**250**			EH 4000/47 x 250/16/ 0

d5	d3	d4	l2	l3	l4	V[1)]	d	l	d1	R	Nr. / *No.*
8	70	62	61	53	64	24.99	**47**	**100**	**16**	**16**	EH 4000/47 x 100/16/16
						29.01		**120**			EH 4000/47 x 120/16/16
						33.03		**140**			EH 4000/47 x 140/16/16
						37.06		**160**			EH 4000/47 x 160/16/16
						41.07		**180**			EH 4000/47 x 180/16/16
						45.1		**200**			EH 4000/47 x 200/16/16
						49.12		**220**			EH 4000/47 x 220/16/16
						55.15		**250**			EH 4000/47 x 250/16/16
8	70	62	61	53	64	24.99	**47**	**100**	**16**	**40**	EH 4000/47 x 100/16/40
						29.01		**120**			EH 4000/47 x 120/16/40
						33.03		**140**			EH 4000/47 x 140/16/40
						37.06		**160**			EH 4000/47 x 160/16/40
						41.07		**180**			EH 4000/47 x 180/16/40
						45.1		**200**			EH 4000/47 x 200/16/40
						49.12		**220**			EH 4000/47 x 220/16/40
						55.15		**250**			EH 4000/47 x 250/16/40

1) Volumen Schmelzekanal, inkl. Anschnittbaugruppe (cm^3) / *Melt channel volume, incl. gate assembly (cm^3)*

EINBAUABMESSUNGEN:
INSTALLATION DIMENSIONS:

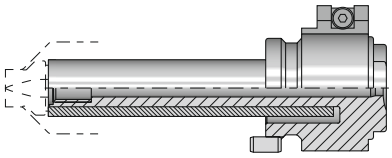


d	b1	b2	d3	d9	d10	l3
19	22	37	40	54	36	39
27	22	37	40	54	36	39
37	25	40	46	62	42	43
47	36	-	70	90	63	53

KOMBINATIONSMÖGLICHKEITEN
COMBINATION POSSIBILITIES

Düsenserie
Nozzle series

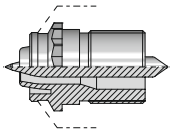
EH 4000



Serie / *Series*
EH 4000/ 19
EH 4000/ 27
EH 4000/ 37
EH 4000/ 47

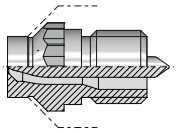
Anschnittbaugruppe
Gate assembly

EH 4200
RT



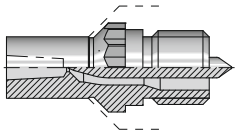
EH	**Nr.**/*No.*
EH 4200/19/SMM	**RT**
EH 4200/27/SMM	**RT**
EH 4200/37/SMM	**RT**
EH 4200/47/SMM	**RT**

EH 4240
RT-D



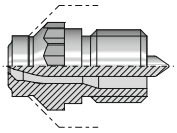
EH	**Nr.**/*No.*
EH 4240/19/1,0/PMM	**RT-D 1,0**
EH 4240/19/1,5/PMM	**RT-D 1,5**
EH 4240/27/1,2/PMM	**RT-D 1,2**
EH 4240/27/1,5/PMM	**RT-D 1,5**
EH 4240/27/2,0/PMM	**RT-D 2,0**
EH 4240/37/2,0/PMM	**RT-D 2,0**
EH 4240/37/3,0/PMM	**RT-D 3,0**
EH 4240/37/4,0/PMM	**RT-D 4,0**
EH 4240/47/3,0/SMM	**RT-D 3,0**
EH 4240/47/4,0/SMM	**RT-D 4,0**

EH 4245
RT-DL



EH	**Nr.**/*No.*
EH 4245/19/1,5/10/PMM	**RT-DL 1,5**
EH 4245/27/1,5/10/PMM	**RT-DL 1,5**
EH 4245/27/2,0/10/PMM	**RT-DL 2,0**
EH 4245/37/3,0/15/PMM	**RT-DL 3,0**
EH 4245/37/4,0/15/PMM	**RT-DL 4,0**
EH 4245/47/3,0/40/SMM	**RT-DL 3,0**
EH 4245/47/4,0/40/SMM	**RT-DL 4,0**

EH 4250
RT-DC

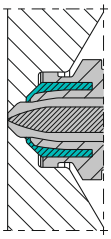


EH	**Nr.**/*No.*
EH 4250/19/1,0/PMM	**RT-DC 1,0**
EH 4250/19/1,5/PMM	**RT-DC 1,5**
EH 4250/27/1,2/PMM	**RT-DC 1,2**
EH 4250/27/1,5/PMM	**RT-DC 1,5**
EH 4250/37/2,0/PMM	**RT-DC 2,0**
EH 4250/37/3,0/PMM	**RT-DC 3,0**

Isolierkappe
Insulation cap

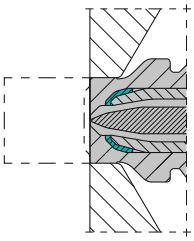
EH 4370

Nr./*No.*
0 (nein/no)
I (ja / yes)



EH 4374

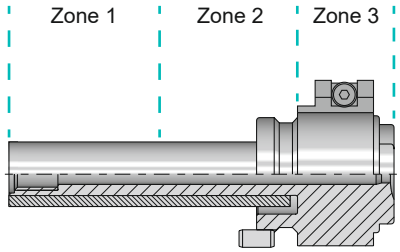
Nr./*No.*
0 (nein/no)
I (ja / yes)



BESTELLBEISPIEL
ORDERING EXAMPLE

Düsenserie / *Nozzle series*								**Anschnittbaugruppe** / *Gate type*		**Isolierkappe** / *Insulation cap*
Artikel / *Item*		**d**		**l**	**Fließkanal** / *Flow channel*		**R**	**Typ** / *Type*	**Anschnitt Ø** / *Gate Ø*	
EH 4000	/	**27**	x	**100**	/ **7**	/	**16**	**RT-D**	**1,5**	/ **I**

HEIZUNG
HEATING



d	l	Heizleistung [W] *Heating power [W]*				Regelzonen *Control zones*
		Nr. Zone 1 (braun) *No. zone 1 (brown)*	Nr. Zone 2 (grau) *No. zone 2 (grey)*	Nr. Zone 3 *No. zone 3*	Watt gesamt *Watt complete*	
19	**60**	EH 5000/19/12 x 60/ 120W	-	EH 5010/40 x 26/ 460W	580	2
	70					
	80	EH 5000/19/12 x 80/ 130W			590	
	90					
	100	EH 5000/19/12 x 100/ 130W				
	110					
	120	EH 5000/19/12 x 120/ 140W			600	
	130					
	140	EH 5000/19/12 x 140/ 140W				
	150					
	160	EH 5000/19/12 x 160/ 150W			610	
27	**60**	EH 5000/27/15 x 60/ 100W	-	EH 5010/46 x 26/ 460W	560	2
	70					
	80	EH 5000/27/15 x 80/ 150W			610	
	90					
	100	EH 5000/27/15 x 100/ 153W			613	
	110					
	120	EH 5000/27/15 x 120/ 173W			633	
	130					
	140	EH 5000/27/15 x 140/ 192W			652	
	150					
	160	EH 5000/27/15 x 160/ 212W			672	
37	**60**	EH 5000/37/22 x 60/ 130W	-	EH 5010/46 x 26/ 460W	590	2
	70					
	80	EH 5000/37/22 x 80/ 177W			637	
	90					
	100	EH 5000/37/22 x 100/ 178W			638	
	110					
	120	EH 5000/37/22 x 120/ 186W			646	
	130					
	140	EH 5000/37/22 x 140/ 200W			660	
	150					
	160	EH 5000/37/22 x 160/ 325W			785	
47	**100**	EH 5000/47/28 x 100/ 457W	-	EH 5010/70 x 40/1000W	1457	2
	120	EH 5000/47/28 x 120/ 463W			1463	
	140	EH 5000/47/28 x 140/ 470W			1470	
	160	EH 5000/47/28 x 160/ 470W				
	180	EH 5000/47/28 x 180/ 700W			1700	3
	200	EH 5000/47/28 x 200/ 720W			1720	
	220	EH 5000/47/28 x 220/ 740W			1740	
	250	EH 5000/47/28 x 250/ 760W			1760	

TECHNISCHE DATEN:
TECHNICAL SPECIFICATIONS:

- Außenbeheizt 230V AC
- Anschlussleitungen sind bis 200 °C temperaturbeständig
- Thermofühler Typ J, Fe-CuNi, DIN EN 43722, schwarz+/weiß–
- Kabellänge Düsenschaftheizer min. 2000 mm
- Max. Spritzdruck 1800 bar
- Anlagekraft der Maschinendüse min. 36 kN / d 19, d 27 min 16kN
- Längenausdehnung der Düse ist für ΔT=220 °C berücksichtigt
- Das Werkzeug muss geerdet werden. Wird die Düse außerhalb vom Werkzeug betrieben, muss die Düse geerdet werden.
- Temperierung vorsehen: Um die Anschnittbaugruppe und gegenüber der Anbindungsstelle

- *Externally heated 230V AC*
- *Connecting cables are temperature resistant up to 200 °C*
- *Thermocouple type J, Fe-CuNi, DIN EN 43722, black+/white–*
- *Cable length of nozzle shaft heater is min. 2000 mm*
- *Maximum injection pressure: 1800 bar*
- *Contact force of the machine nozzle: minimum 36 kN (d 19, d 27 min. 16kN)*
- *Linear expansion of the nozzle is already considered for ΔT=220 °C*
- *The mould must be grounded. If the nozzle is operated outside the mould, then the nozzle must be grounded.*
- *Provide temperature regulation (heating): around the gate assembly and opposite the gating point*