

Technical Data Gas Extraction Device GED FLEX



Fig. 1 Gas extraction device GED FLEX, stainless steel or Inconel

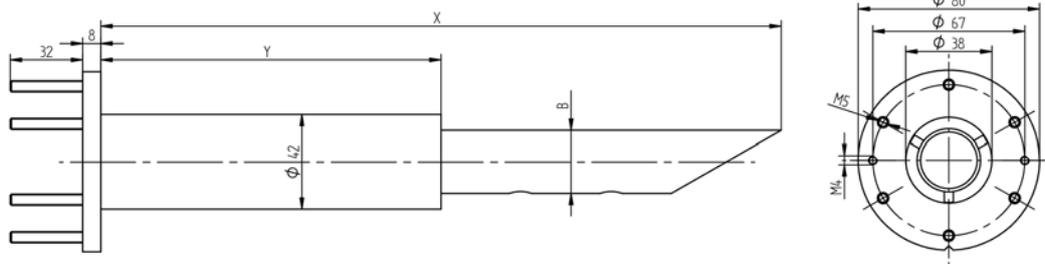


Fig. 2 Gas extraction device GED FLEX made of stainless steel or Inconel

X Total length	Y Length outer tube	B Diameter inner tube	
		stainless steel	Inconel
500 mm 19.69" in	250 mm 9.84" in	28 mm 1.10" in	26,7 mm 1.05" in
1.000 mm 39.37" in	500 mm 19.69" in	28 mm 1.10" in	26,7 mm 1.05" in
1.500 mm 59.06" in	750 mm 29.53" in	28 mm 1.10" in	26,7 mm 1.05" in
2.000 mm 78.74" in	1.000 mm 39.37" in	28 mm 1.10" in	26,7 mm 1.05" in

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Fig. 3 Gas extraction device GED FLEX, Kanthal or AL203

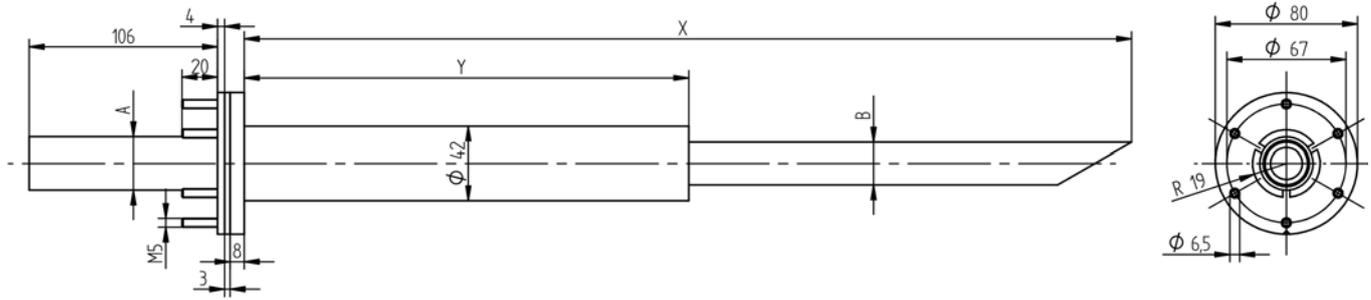


Fig. 4 Gas extraction device GED FLEX made of Kanthal or AL203

X Total length	Y Length outer tube	A Diameter (Inner tube outside the channel)		B Diameter (Inner tube inside the channel)	
		Kanthal	AL203	Kanthal	AL203
500 mm 19.69" in	250 mm 9.84" in	30 mm 1.18" in	26,67 mm 1.05" in	26,67 mm 1.05" in	24 mm 0.94" in
1.000 mm 39.37" in	500 mm 19.69" in	30 mm 1.18" in	26,67 mm 1.05" in	26,67 mm 1.05" in	24 mm 0.94" in
1.500 mm 59.06" in	750 mm 29.53" in	30 mm 1.18" in	26,67 mm 1.05" in	26,67 mm 1.05" in	24 mm 0.94" in
2.000 mm 78.74" in	1.000 mm 39.37" in	30 mm 1.18" in	26,76 mm 1.05" in	26,67 mm 1.05" in	24 mm 0.94" in

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Technical Data		
Length		500 mm 19.69" in 1.000 mm 39.37" in 1.500 mm 59.06" in 2.000 mm 78.74" in
Material		stainless steel 1.4571/1.4404, Inconel, Kanthal or AL203
Weight		1,90 kg 4.19 lb - 500 mm 19.69" in length 3,16 kg 6.97 lb - 1.000 mm 39.37" in length 4,62 kg 10.19 lb - 1.500 mm 59.06" in length 5,68 kg 12.52 lb - 2.000 mm 78.74" in length
Application		in combination with KS1D-HT, KS1D-Ex, KS1D-BF, KS2DNO _x , LS2-HT, LS2-Ex or LS2-BF
Operating condition		
Dust exposure		≤ 1000 mg/Nm ³ (with T-Adapter for purging)
Flow velocity		0.1 ... 40 m/s 0.32 ft/s ... 131.23 ft/s (depending on the T-Adapter) at measuring gas velocities ≥ 30 m/s 98.43 ft/s → select GED FLEX smaller than 1000 mm 39.37" in
Environmental conditions		
Operation	permissible flue gas temperature	750 °C at the GED FLEX made of stainless steel 950 °C at the GED FLEX made of Inconel 1.200 °C at the GED FLEX made of Kanthal 1.400 °C at the GED FLEX made of AL203 450 °C at probe head 300 °C at probe head at LT3-F
Degree of protection	according to DIN EN 40050	IP 65

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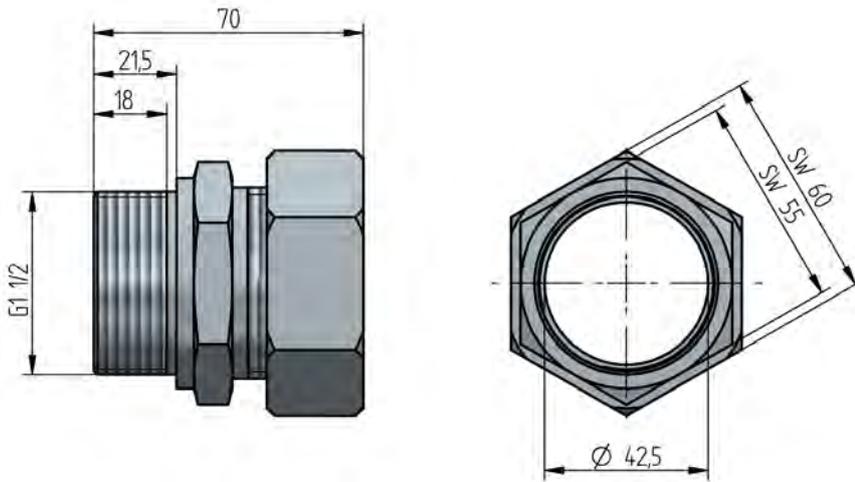


Fig. 5 Male coupling (in mm)

Male coupling

Version	Cutting ring screw connection with G1 1/2" external thread
Weight	0.48 kg 1.06 lb
Material	Choice of <ul style="list-style-type: none"> - Galvanized steel - Stainless steel 1.4571

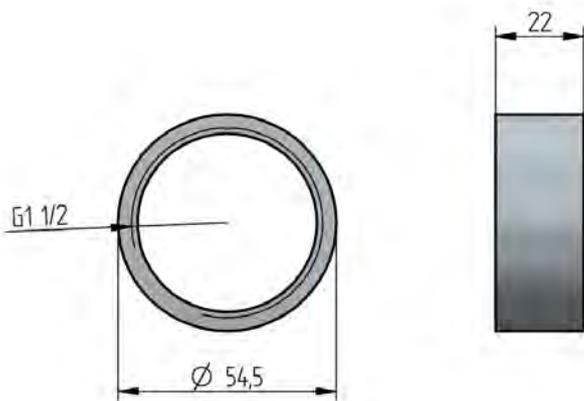


Fig. 6 Half collar (in mm)

Half collar

Version	DIN2986 half collar for welding on with G1 1/2" internal thread
Weight	0.14 kg 0.31 lb
Material	Choice of <ul style="list-style-type: none"> - Steel - Stainless steel 1.4571

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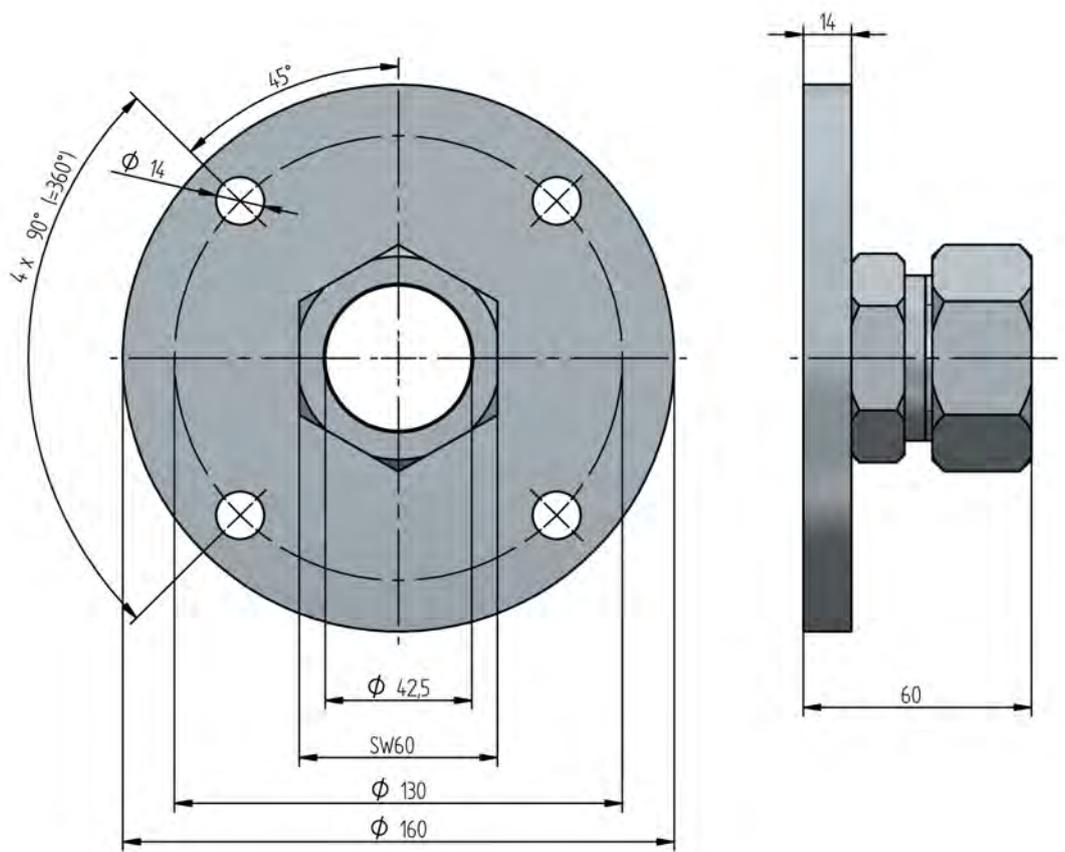


Fig. 7 Mounting flange DN65 PN6 (in mm)

Features	
Version	Cutting ring screw connection with DN65 PN6 flange
Weight	2.42 kg 5.34 lb
Material	Choice of <ul style="list-style-type: none"> - Galvanized steel - Stainless steel 1.4571

NOTICE

The limits of the technical data must be strictly adhered to.

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Order Information

Application up to 750 °C | 1382 °F, inner tube material 1.4571, outer tube material 1.4571

Designation / Type	Order no.
GED FLEX for HT/EX applications up to 750 °C 1382 °F, stainless steel 1.4571 material, L 500 mm 19.69" in	655R1520
GED FLEX for HT/EX applications up to 750 °C 1382 °F, stainless steel 1.4571 material, L 1000 mm 39.37" in	655R1521
GED FLEX for HT/EX applications up to 750 °C 1382 °F, 1.4571 stainless steel material, L 1500 mm 59.06" in	655R1522
GED FLEX for HT/EX applications up to 750 °C 1382 °F, 1.4571 stainless steel material, L 2000 mm 78.74" n	655R1523

Application up to 950 °C | 1742 °F, inner tube material INCONEL, outer tube material INCONEL

Designation / Type	Order no.
Measuring flue gas extraction tube flue gas extraction tube for HT/EX applications up to 950 °C 1742 °F, INCONEL material, L 500 mm 19.69" in	655R1530
GED FLEX for HT/EX applications up to 950 °C 1742 °F, INCONEL material, L 1000 mm 39.37" in	655R1531
GED FLEX for HT/EX applications up to 950 °C 1742 °F, INCONEL material, L 1500 mm 59.06" in	655R1532
GED FLEX for HT/EX applications up to 950 °C 1742 °F, INCONEL material, L 2000 mm 78.74" in	655R1533

Application up to 1200 °C | 2192 °F, inner tube material KANTHAL, outer tube material INCONEL

Designation / Type	Order no.
GED FLEX for HT/EX applications up to 1200 °C 2192 °F, KANTHAL material, L 500 mm 19.69" in	655R1540
GED FLEX for HT/EX applications up to 1200 °C 2192 °F, KANTHAL material, L 1000 mm 39.37" in	655R1541
GED FLEX for HT/EX applications up to 1200 °C 2192 °F, KANTHAL material, L 1500 mm 59.06" in	655R1542
GED FLEX for HT/EX applications up to 1200 °C 2192 °F, KANTHAL material, L 2000 mm 78.74" in	655R1543

Application up to 1400°C | 2552 °F, inner tube material Al₂O₃, outer tube material INCONEL

Designation / Type	Order no.
GED FLEX for HT/EX applications up to 1400 °C 2552 °F, aluminium oxide material Al ₂ O ₃ , L 500 mm 19.69" in	655R1550
GED FLEXGED FLEX for HT/EX applications up to 1400 °C 2552 °F, aluminium oxide material Al ₂ O ₃ , L 1000 mm 39.37" in	655R1551
GED FLEX for HT/EX applications up to 1400 °C 2552 °F, aluminium oxide material Al ₂ O ₃ , L 1500 mm 59.06" in	655R1552

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Male coupling

Designation / Type	Order no.
G 1½ " male coupling, galvanized steel, for GED FLEX	655R1510
G 1½ " male coupling, 1.4571 stainless steel, for GED FLEX	655R1511

Half collar

Designation / Type	Order no.
G 1½" half collar, DIN 2986, steel	655R1512
G 1½" half collar, DIN 2986, stainless steel 1.4571	655R1513

DN65PN6 Mounting flange

Designation / Type	Order no.
DN65 PN6 mounting flange, galvanized steel	655R1516
DN65 PN6 mounting flange, stainless steel 1.4571	655R1517
Associated flange seal DN65 PN6, 3 mm 0.12" in graphite	655P4211

The information in this publication is subject to technical changes.



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