



**GUSS** piston rings from special cast iron material are used in exceptional applications demanding performance in temperature and velocity.

In comparison to other seals, they are not sensitive to pressures peaks.

Operating conditions	
Pressure	≤ 200 MPa
Temperature	-60°C to 250°C
Speed	≤ 40 m/s

Materials	
Sealing element	Cast iron

Assembly	
On one-piece pistons	

- Advantages**
- Good dynamic sealing
  - Perfect extrusion resistance
  - Good abrasion resistance
  - Long service life
  - Extreme temperature range of application
  - Overtravelling of cylinder bores possible without damage
  - In combination with elastomer seals, this can be put to protective use against pressure peaks and diesel effects

Please contact us for applications approaching maximum values.

D	d	d1	L	Reference
25	22	23	3	GUSS-025-US
40	35	36	2	GUSS-040-US
50	44,4	45,4	2,5	GUSS-050-US
60	54	55	2,5	GUSS-060-US
70	63,5	64,5	2,5	GUSS-070-US
80	72,6	73,6	2,5	GUSS-080-GS
100	90,4	92	2,5	GUSS-100-US
125	113,8	115,4	4	GUSS-125-US
150	137	138,6	4	GUSS-150-US
180	166,4	168	5	GUSS-180-US

D (mm)	z (mm)	r (mm)	e (mm)
≤ 100	0,5	0,15	0,5
> 100	0,8	0,3	1