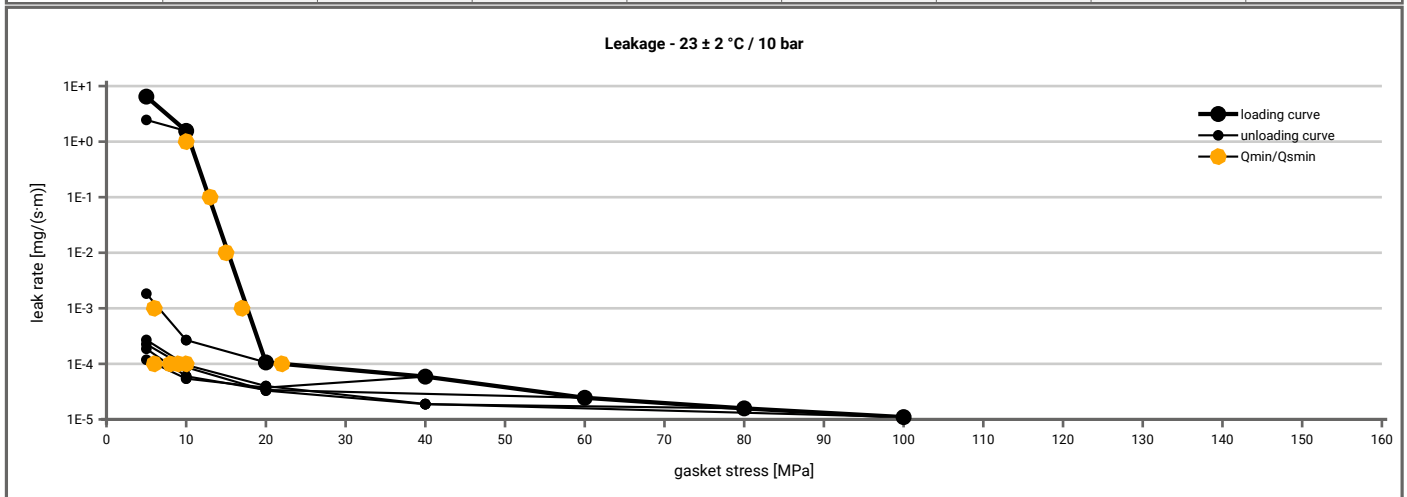
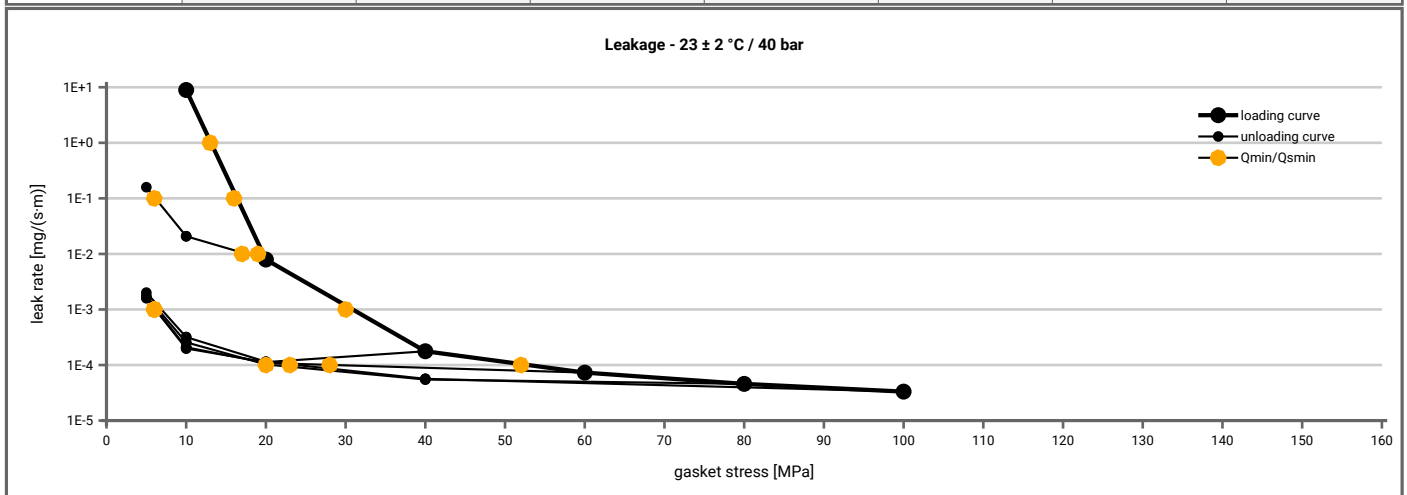


Manufacturer address	Leader Gasket Technologies s.r.o, Pšurnovická ulica 1026, 014 01 Bytca, SK	According to DIN EN 13555 2014-7
Product name	Clipperlon 2110	
Product dimensions	92 x 49 x 2 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ($T = 23 \pm 2$ °C)								
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		$Q_A = 5.3$ [MPa]	$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E+1	5		5	5	5	5	5	5
1E-0	11			5	5	5	5	5
1E-1	13			5	5	5	5	5
1E-2	16			5	5	5	5	5
1E-3	18			7	5	5	5	5
1E-4	22				6	8	10	10
1E-5								
1E-6								
1E-7								
1E-8								



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °C)								
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]						
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]	
1E+1	10		5	5	5	5	5	
1E-0	13		5	5	5	5	5	
1E-1	16		6	5	5	5	5	
1E-2	20		18	5	5	5	5	
1E-3	31			6	6	6	7	
1E-4	53				29	21	24	
1E-5								
1E-6								
1E-7								
1E-8								



Note: the content of darkened cells was not determined respectively is unnecessary Rev.-No.: 3 Creation date of this sheet: 2020-07-10

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Product name	Clipperlon 2110	
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Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]		P_{QR}	Δe_{Gc} [μm]	P_{QR}	Δe_{Gc} [μm]
	P_{QR}	Δe_{Gc} [μm]	P_{QR}	Δe_{Gc} [μm]	P_{QR}	Δe_{Gc} [μm]				
Stress level 1 [10 MPa]	0.96	3	0.74	22	0.54	39				
Stress level 2 [30 MPa]	0.86	35	0.48	132	0.37	160				
Stress level 3 [50 MPa]	0.88	50	0.56	187						
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.91	76	0.56	187	0.35	218				
Q_{smax}	100 MPa		50 MPa		40 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]		E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]				
0	0	2.015	0	1.970	0	2.000				
1	0	2.015	0	1.970	0	2.000				
20	1930	1.893	1361	1.338	1386	1.136				
30	2038	1.629	1464	1.146	1323	0.927				
40	2509	1.450	1834	1.008	1518	0.811				
50	3081	1.338	2182	0.911						
60	3658	1.250								
80	5133	1.115								
100	5936	1.015								

