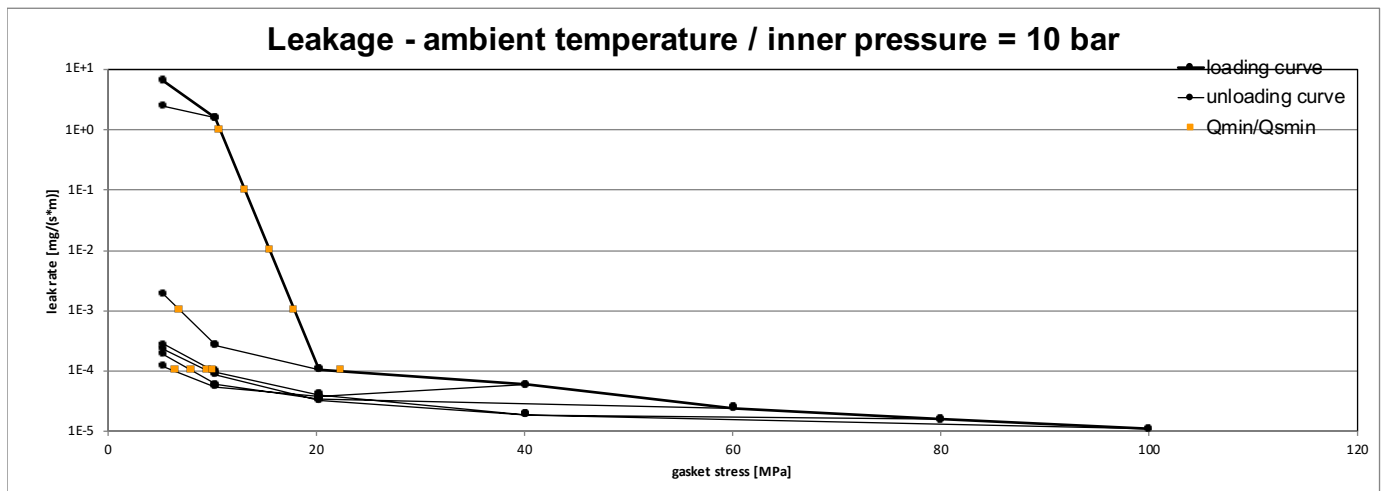
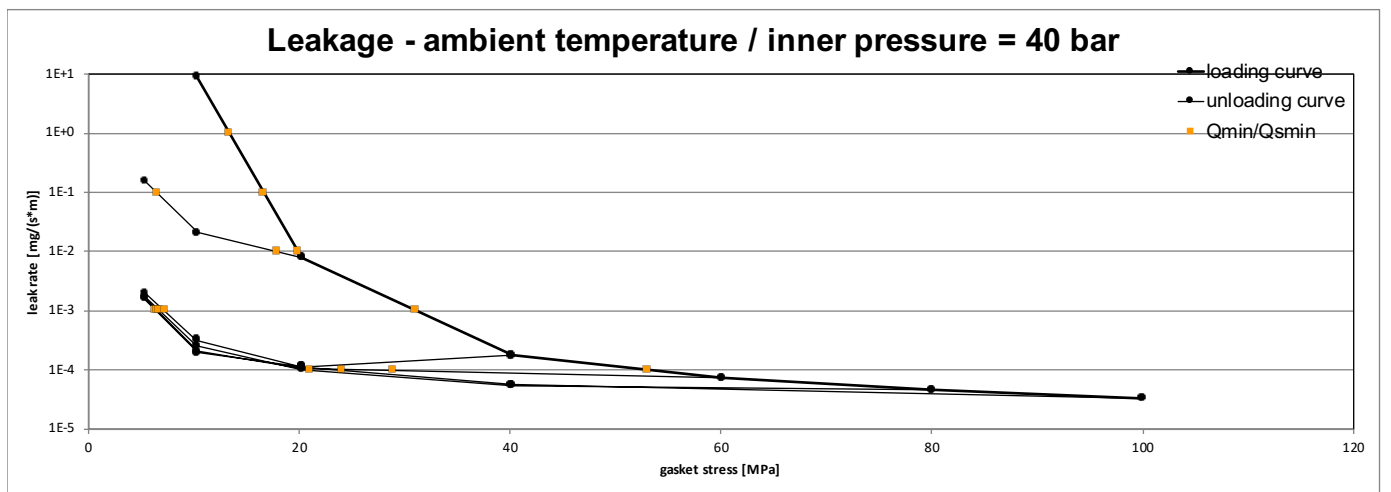


Company Address	Leader Gasket Technologies	According to DIN EN 13555 2014-07
Gasket Type	Clipperton 2110	
Sealing element dimensions [mm]	92 x 49 x 2.0	

L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 10 bar											
		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						
10 ⁰	11		5	5	5	5	5						
10 ⁻¹	13		5	5	5	5	5						
10 ⁻²	16		5	5	5	5	5						
10 ⁻³	18		7	5	5	5	5						
10 ⁻⁴	22			6	8	10	10						
10 ⁻⁵													
10 ⁻⁶													
10 ⁻⁷													
10 ⁻⁸													



L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar										
		Q _{Smin/L} [MPa]										
		Q _A = 20 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa						
10 ⁰	13	5	5	5	5	5						
10 ⁻¹	17	6	5	5	5	5						
10 ⁻²	20	18	5	5	5	5						
10 ⁻³	31		6	7	7	7						
10 ⁻⁴	53			29	21	24						
10 ⁻⁵												
10 ⁻⁶												
10 ⁻⁷												
10 ⁻⁸												



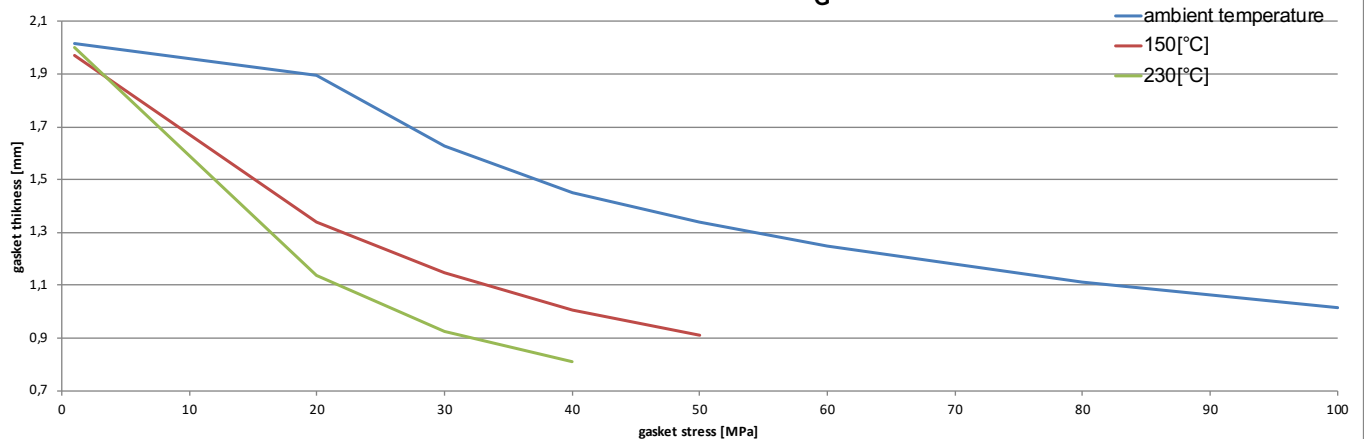
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 3 Creation date of this sheet: 2020-07-10

Company Address	Leader Gasket Technologies	According to DIN EN 13555 2014-07
Gasket Type	Clipperton 2110	
Sealing element dimensions [mm]	92 x 49 x 2.0	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		temperature 1 [150 °C]		temperature 2 [230 °C]		P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]				
Stress level 1 [10 MPa]	0.96	0.003	0.74	0.022	0.54	0.038				
Stress level 2 [30 MPa]	0.86	0.035	0.48	0.132	0.37	0.159				
Stress level 3 [50 MPa]	0.88	0.052								
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.91	0.075	0.56	0.186	0.35	0.218				
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]	ambient temperature		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										
1		2.015		1.970		2.000				
20	1930	1.893	1360	1.338	1386	1.136				
30	2037	1.629	1464	1.146	1322	0.927				
40	2508	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								

Gasket thickness e_G



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