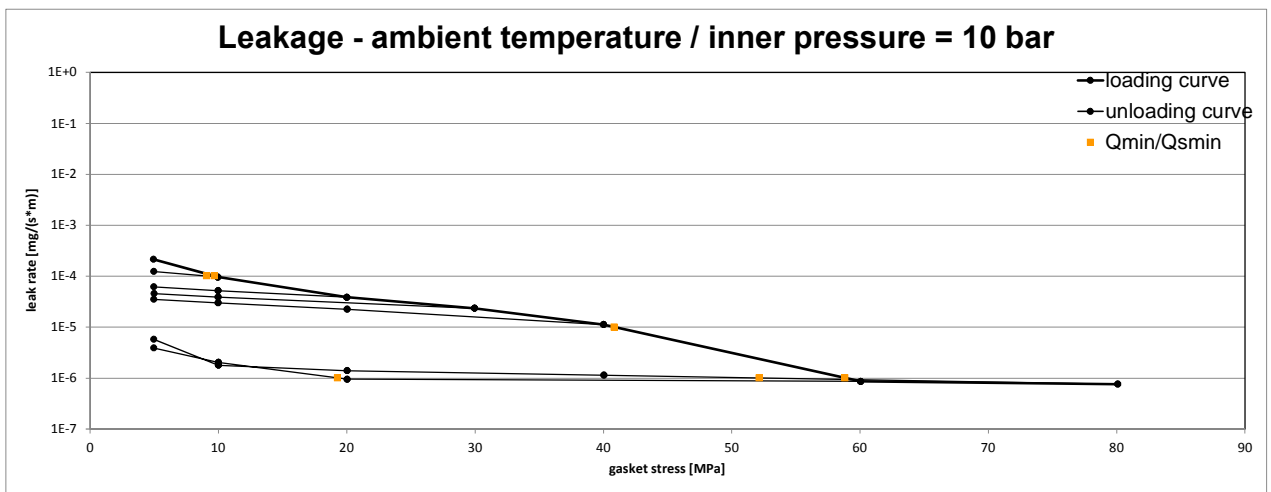
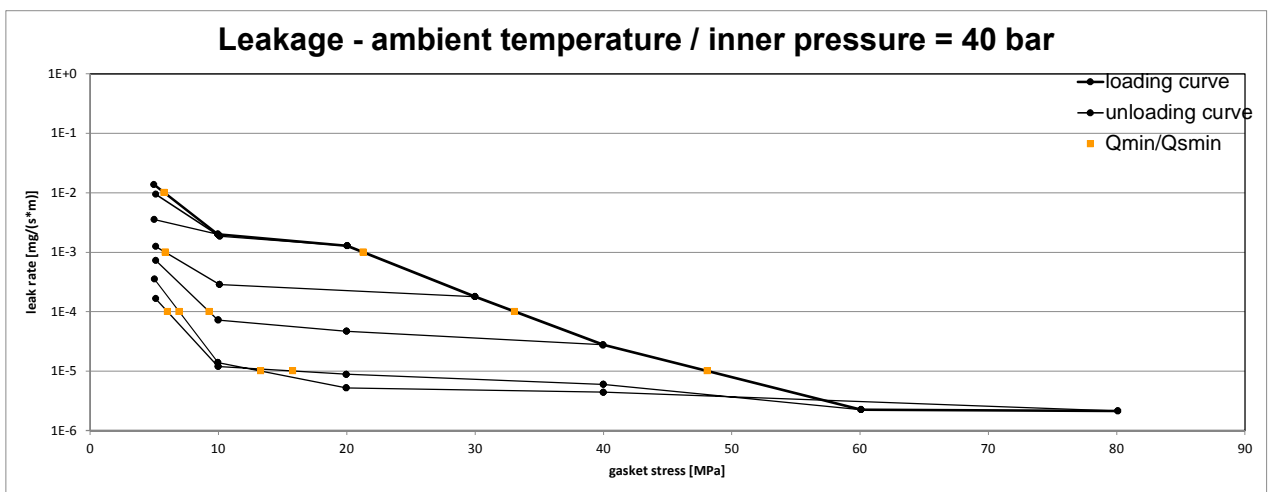


Company Address	TEADIT International Produktions GmbH, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2014-07
Gasket Type	28 LS-LE	
Sealing element dimensions [mm]	92 x 49 x 3	

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 = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
10 ⁰	5	5	5	5	5	5	5					
10 ⁻¹	5	5	5	5	5	5	5					
10 ⁻²	5	5	5	5	5	5	5					
10 ⁻³	5	5	5	5	5	5	5					
10 ⁻⁴	10	9	5	5	5	5	5					
10 ⁻⁵	41					5	5					
10 ⁻⁶	59					19	52					
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 = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa					
10 ⁰	5	5	5	5	5	5	5					
10 ⁻¹	5	5	5	5	5	5	5					
10 ⁻²	6	5	5	5	5	5	5					
10 ⁻³	21			6	5	5	5					
10 ⁻⁴	33				9	6	7					
10 ⁻⁵	48					16	13					
10 ⁻⁶												
10 ⁻⁷												
10 ⁻⁸												



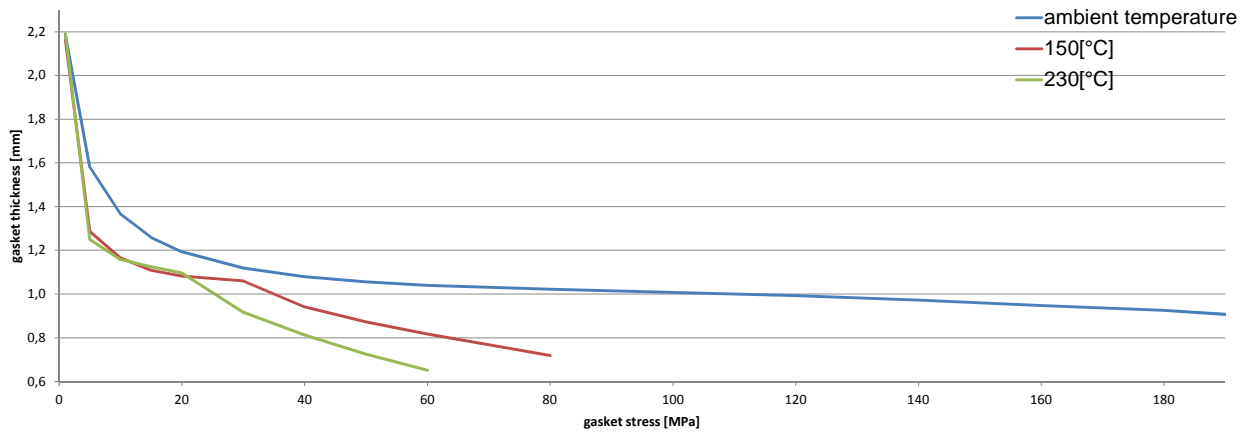
Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2018-05-07

Company Address	TEADIT International Produktions GmbH, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2014-07
Gasket Type	28 LS-LE	
Sealing element dimensions [mm]	92 x 49 x 3	

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 [30 MPa]	0.92	0.020	0.71	0.073	0.55	0.113				
Stress level 2 [50 MPa]	0.94	0.025	0.64	0.151	0.51	0.206				
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.96	0.064	0.64	0.242	0.54	0.232				
Q_{Smax}	190 MPa		80 MPa		60 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		2.750		2.830		2.800				
1		2.184		2.161		2.192				
5	97	1.581	79	1.287	88	1.251				
10	223	1.365	212	1.165	270	1.158				
15	376	1.259	432	1.109	609	1.124				
20	552	1.194	820	1.081	822	1.096				
30	1007	1.119	1767	1.061	1123	0.917				
40	1558	1.080	2304	0.941	1426	0.813				
50	2118	1.056	2741	0.873	1651	0.725				
60	2634	1.040	2892	0.817	1811	0.653				
80	3405	1.021	3453	0.719						
100	3778	1.008								
120	4097	0.993								
140	4447	0.972								
160	4515	0.947								
180	4412	0.926								
190	4598	0.907								

Gasket thickness e_G



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