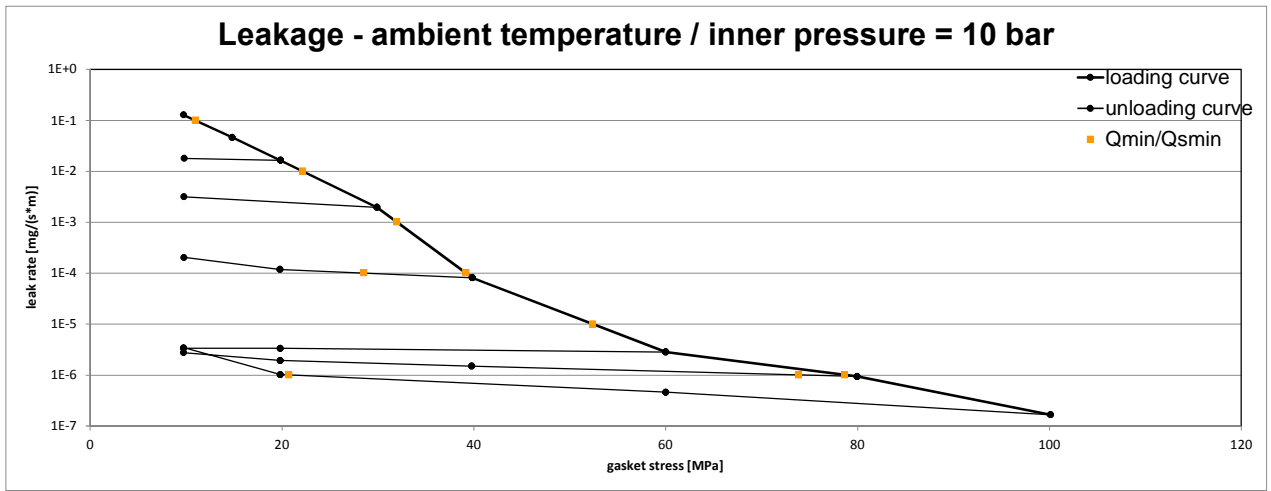
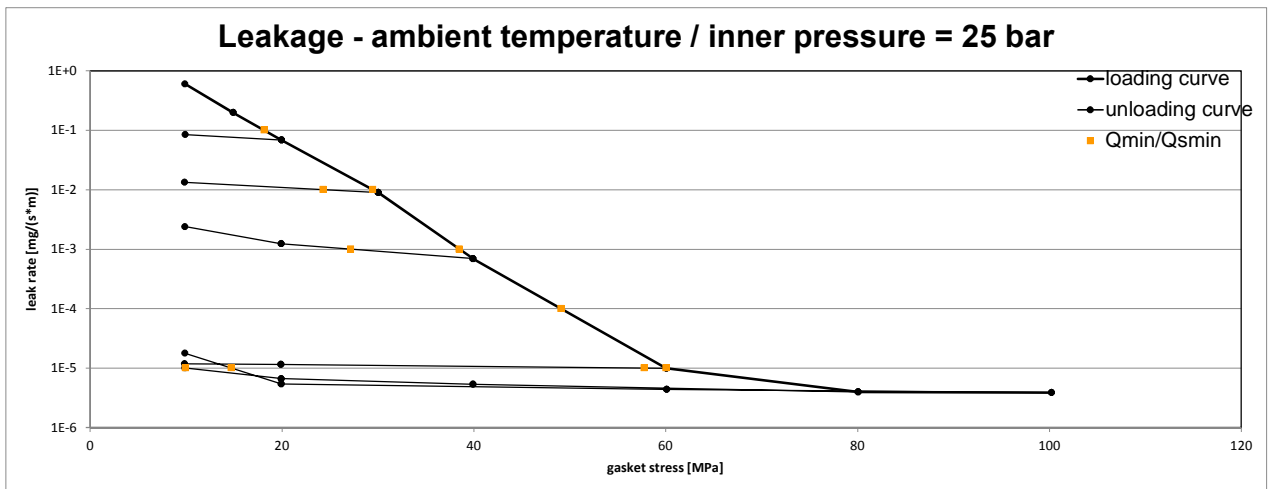


Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2014-07
Gasket Type	30 SH	
Sealing element dimensions [mm]	92 x 49 x 2.0	

L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 10 bar									
		Q _{SminL} [MPa]									
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa				
10 ⁻⁰	10	10	10	10	10	10	10				
10 ⁻¹	11	10	10	10	10	10	10				
10 ⁻²	22		10	10	10	10	10				
10 ⁻³	32			10	10	10	10				
10 ⁻⁴	39			29	10	10	10				
10 ⁻⁵	52				10	10	10				
10 ⁻⁶	79					74	21				



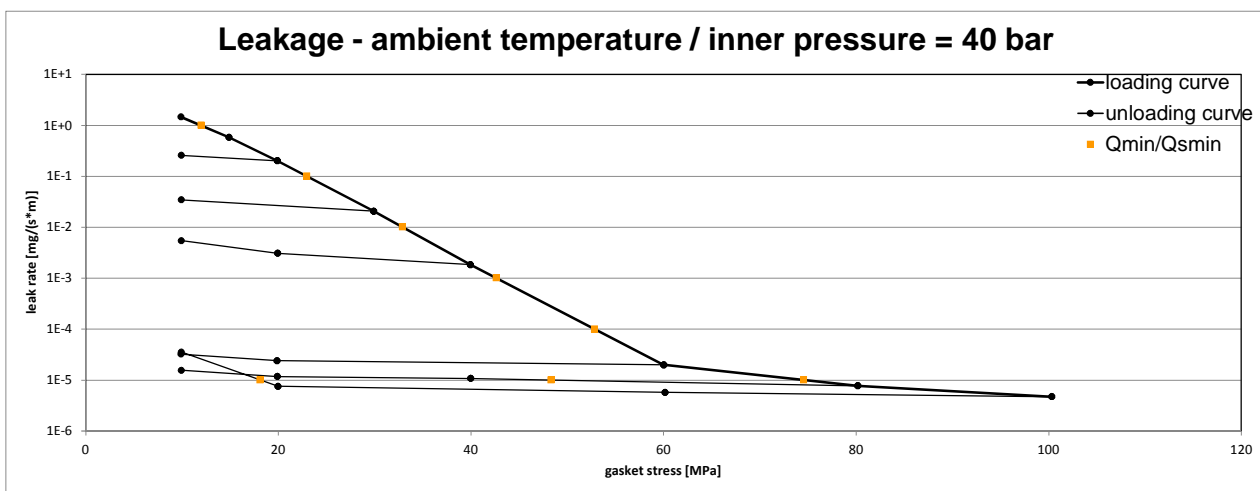
L [mg/(s*m)]	Q _{minL} [MPa]	Minimum stress to seal Q _{minL} (at assembly), Q _{SminL} (after off-loading) for p = 25 bar									
		Q _{SminL} [MPa]									
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa				
10 ⁻⁰	10	10	10	10	10	10	10				
10 ⁻¹	18	10	10	10	10	10	10				
10 ⁻²	29		24	10	10	10	10				
10 ⁻³	38			27	10	10	10				
10 ⁻⁴	49				10	10	10				
10 ⁻⁵	60				58	10	15				



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-08-23

Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2014-07
Gasket Type	30 SH	
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 = 40 bar									
		Q _{Smin,L} [MPa]									
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa				
10 ⁰	12	10	10	10	10	10	10				
10 ⁻¹	23		10	10	10	10	10				
10 ⁻²	33			10	10	10	10				
10 ⁻³	43				10	10	10				
10 ⁻⁴	53					10	10	10			
10 ⁻⁵	75						48	18			



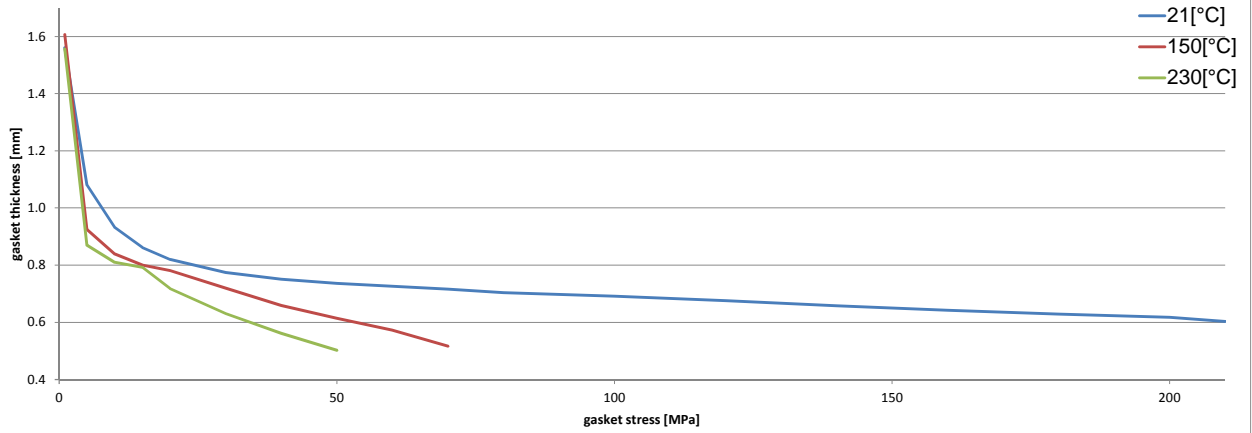
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Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2014-07
Gasket Type	30 SH	
Sealing element dimensions [mm]	92 x 49 x 2.0	

Relaxation ratio P_{QR} for stiffness $C = 500 \text{ kN/mm}$						
Gasket stress	temperature 1 [21 °C]		temperature 2 [150 °C]		temperature 3 [230 °C]	
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
Stress level 1 [30 MPa]	0.93	0.019	0.72	0.072	0.60	0.101
Stress level 2 [50 MPa]	0.97	0.013	0.72	0.117	0.61	0.164
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.97	0.053	0.68	0.191	0.61	0.164
Q_{Smax}	210 MPa		70 MPa		50 MPa	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]						
Gasket stress [MPa]	temperature 1 [21 °C]		temperature 2 [150 °C]		temperature 3 [230 °C]	
	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]	E_G [MPa]	e_G [mm]
0		2.305		2.215		2.295
1		1.561		1.607		1.556
5	99	1.081	81	0.926	92	0.870
10	228	0.932	230	0.840	304	0.810
15	391	0.862	504	0.800	818	0.792
20	598	0.820	1045	0.780	1072	0.718
30	1172	0.774	2262	0.719	1667	0.631
40	1993	0.750	2962	0.659	2023	0.561
50	2971	0.736	3375	0.614	2215	0.502
60	3958	0.727	3949	0.573		
70	4881	0.716	4189	0.517		
80	5446	0.704				
100	5360	0.692				
120	5817	0.676				
140	5628	0.658				
160	5266	0.642				
180	5089	0.629				
200	5018	0.618				
210	4702	0.604				

Gasket thickness e_G



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