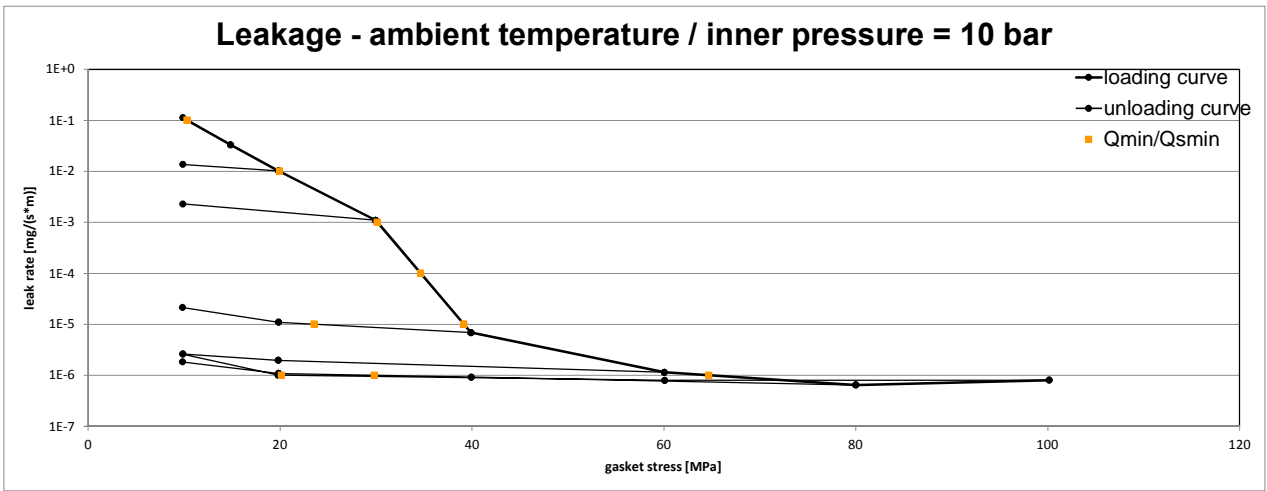
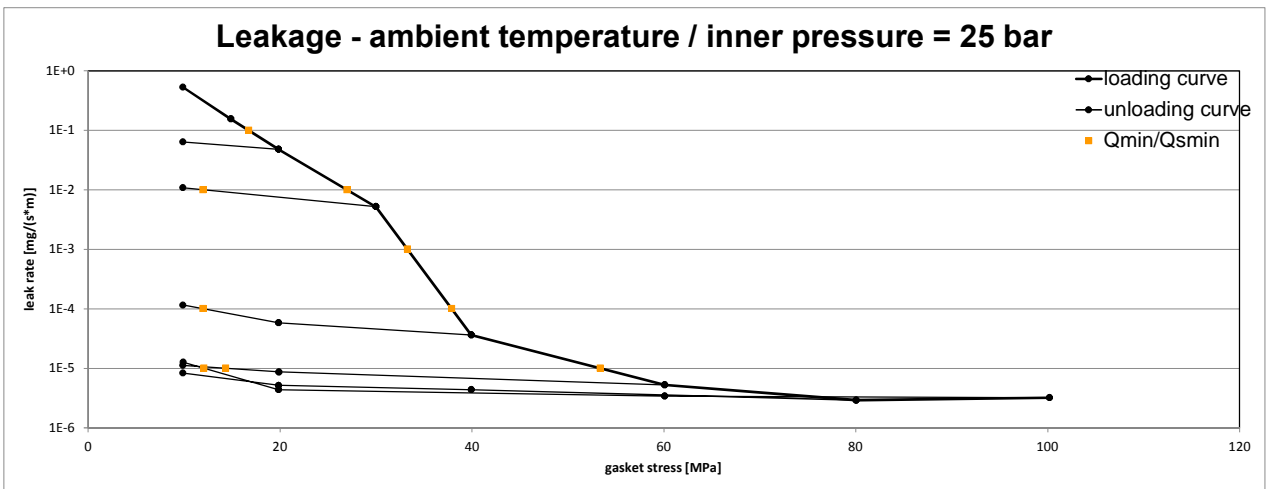


Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2005-02
Gasket Type	24 SH	
Sealing element dimensions [mm]	92 x 49 x 2,0	

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 = 10 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 ⁻⁹	10	10	10	10	10	10	10		
10 ⁻¹	10	10	10	10	10	10	10		
10 ⁻²	20		10	10	10	10	10		
10 ⁻³	30			10	10	10	10		
10 ⁻⁴	35			10	10	10	10		
10 ⁻⁵	39			24	10	10	10		
10 ⁻⁶	65					30	20		



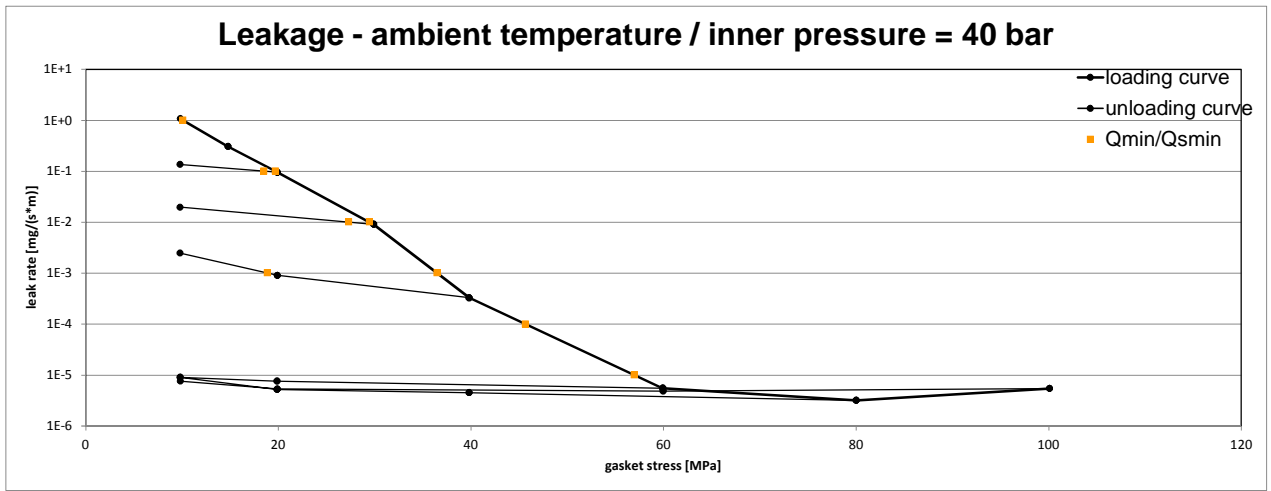
L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 25 bar							
		Q _{Smin/L} [MPa]							
		Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa	Q _A = 80 MPa	Q _A = 100 MPa		
10 ⁻⁹	10	10	10	10	10	10	10		
10 ⁻¹	17	10	10	10	10	10	10		
10 ⁻²	27		12	10	10	10	10		
10 ⁻³	33			10	10	10	10		
10 ⁻⁴	38			12	10	10	10		
10 ⁻⁵	53				14	12	12		



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-09-01

Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2005-02
Gasket Type	24 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	10	10	10	10	10	10	10					
10 ⁻¹	20	19	10	10	10	10	10					
10 ⁻²	29		27	10	10	10	10					
10 ⁻³	36			19	10	10	10					
10 ⁻⁴	46				10	10	10					
10 ⁻⁵	57				10	10	10					



Note: the content of darkened cells was not determined respectively is unnecessary Rev - No: 2 Creation date of this sheet: 2016-09-01

Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to DIN EN 13555 2005-02
Gasket Type	24 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]	0.92	0.020	0.64	0.091	0.52	0.121
Stress level 2 [50 MPa]	0.97	0.013	0.60	0.168	0.47	0.224
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}						
P_{QR} at Q_{Smax}	0.99	0.020	0.61	0.365	0.53	0.399
Q_{Smax}	238 MPa		110 MPa		100 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		1.990		2.040		2.265
1		1.553		1.543		1.563
5	88	1.070	84	0.841	97	0.848
10	211	0.914	264	0.776	362	0.793
15	367	0.842	683	0.744	805	0.735
20	573	0.799	1490	0.730	975	0.653
30	1145	0.754	3782	0.625	1529	0.555
40	1992	0.732	3927	0.550	1865	0.482
50	3027	0.719	4032	0.492	2047	0.427
60	4033	0.711	4206	0.447	2264	0.384
80	5366	0.700	4992	0.386	2204	0.322
100	5448	0.690	3784	0.346	2004	0.282
120	5643	0.677	3388	0.318		
140	5804	0.660				
160	5497	0.641				
180	5142	0.626				
200	5085	0.612				
220	4958	0.600				
238	4375	0.588				

Gasket thickness e_G

