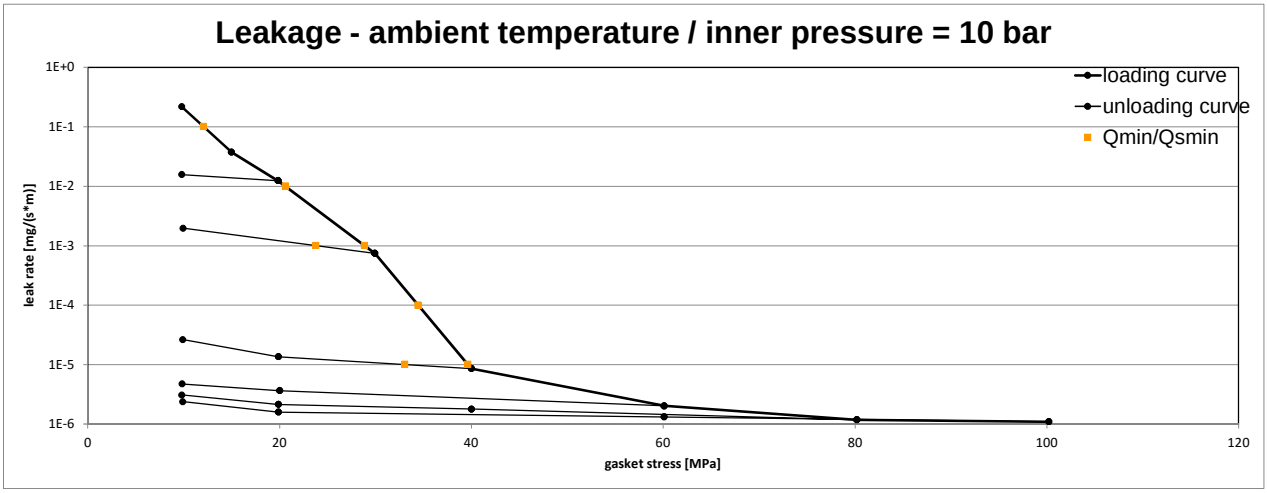
Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to **DIN EN 13555 2014-07**
Gasket Type	*24 SH*	
Sealing element dimensions [mm]	*92 x 49 x 3.0*	

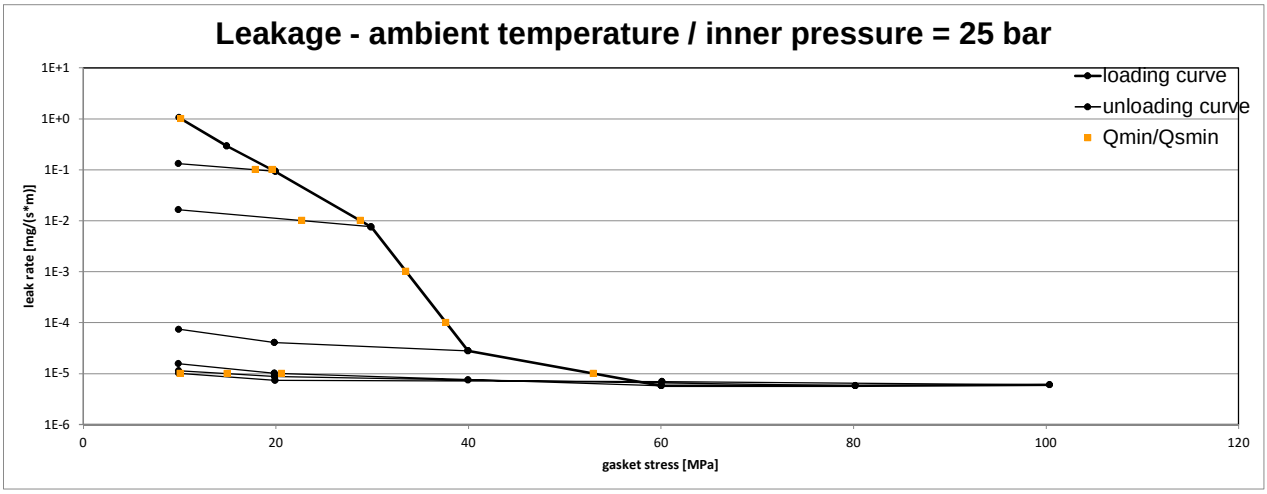
Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (after off-loading) for p = 10 bar

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	12	10	10	10	10	10	10				
10^{-2}	21		10	10	10	10	10				
10^{-3}	29		24	10	10	10	10				
10^{-4}	34			10	10	10	10				
10^{-5}	40			33	10	10	10				
10^{-6}											
10^{-7}											
10^{-8}											



Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (after off-loading) for p = 25 bar

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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	18	10	10	10	10	10				
10^{-2}	29		23	10	10	10	10				
10^{-3}	34			10	10	10	10				
10^{-4}	38			10	10	10	10				
10^{-5}	53				21	15	10				
10^{-6}											
10^{-7}											
10^{-8}											

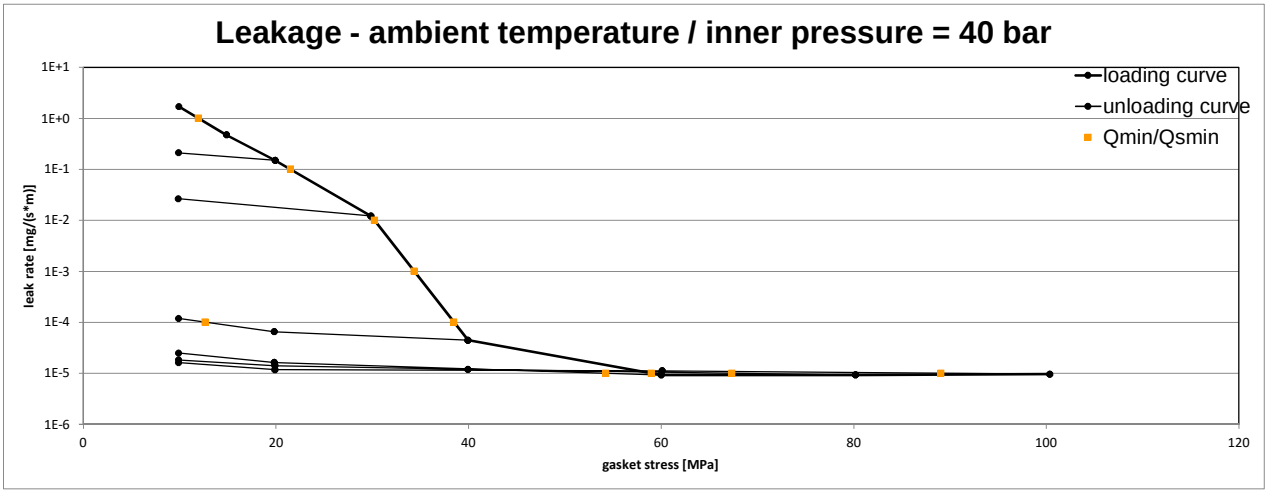


Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: **3**	Creation date of this sheet:	**2016-09-12**

Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to **DIN EN 13555 2014-07**
Gasket Type	*24 SH*	
Sealing element dimensions [mm]	*92 x 49 x 3.0*	

Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (after off-loading) for p = 40 bar

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	22		10	10	10	10	10				
10^{-2}	30			10	10	10	10				
10^{-3}	34			10	10	10	10				
10^{-4}	38			13	10	10	10				
10^{-5}	59				54	67	89				
10^{-6}											
10^{-7}											
10^{-8}											

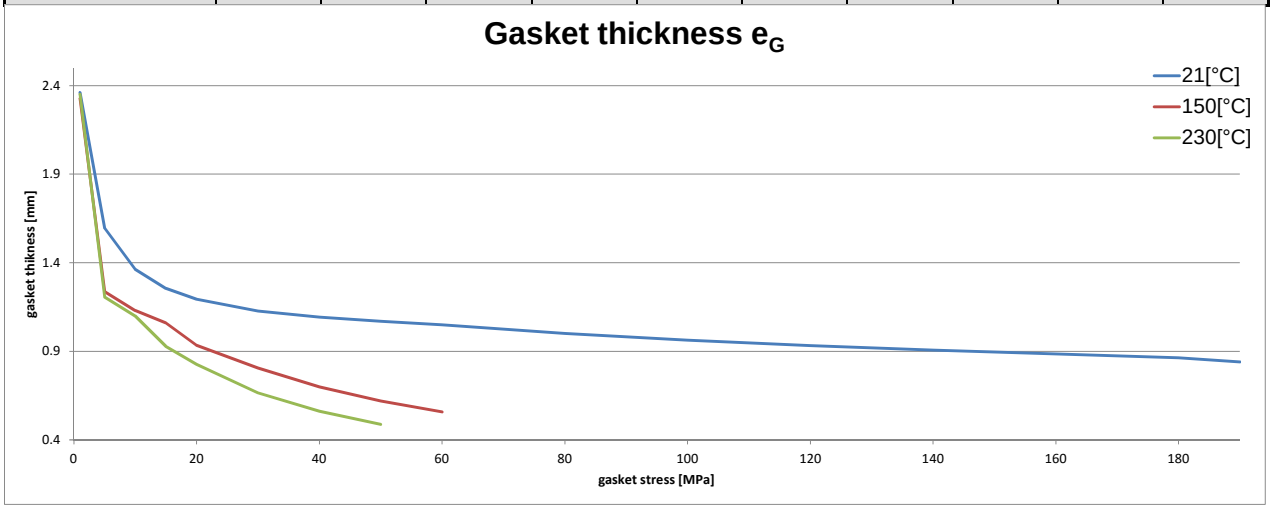


Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: **3**	Creation date of this sheet:	**2016-09-12**

Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to **DIN EN 13555 2014-07**
Gasket Type	*24 SH*	
Sealing element dimensions [mm]	*92 x 49 x 3.0*	

Relaxation ratio P_{QR} for stiffness **C** = 500 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]	0.89	0.029	0.46	0.136	0.40	0.151				
Stress level 2 [50 MPa]	0.87	0.055	0.45	0.233	0.37	0.264				
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{smax}										
P_{QR} at Q_{Smax}	0.96	0.064	0.45	0.279	0.37	0.264				
Q_{Smax}	190 MPa		60 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		3.160		3.245		3.230				
1		2.361		2.327		2.351				
5	88	1.595	84	1.237	97	1.206				
10	205	1.363	238	1.130	310	1.099				
15	351	1.256	607	1.059	464	0.928				
20	535	1.194	829	0.934	663	0.827				
30	1003	1.127	1490	0.805	1017	0.667				
40	1628	1.092	2019	0.699	1372	0.561				
50	2294	1.070	2494	0.619	1637	0.487				
60	2913	1.048	2897	0.557						
80	4221	1.001								
100	4235	0.962								
120	4287	0.932								
140	4224	0.907								
160	4156	0.884								
180	3929	0.862								
190	3643	0.840								



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