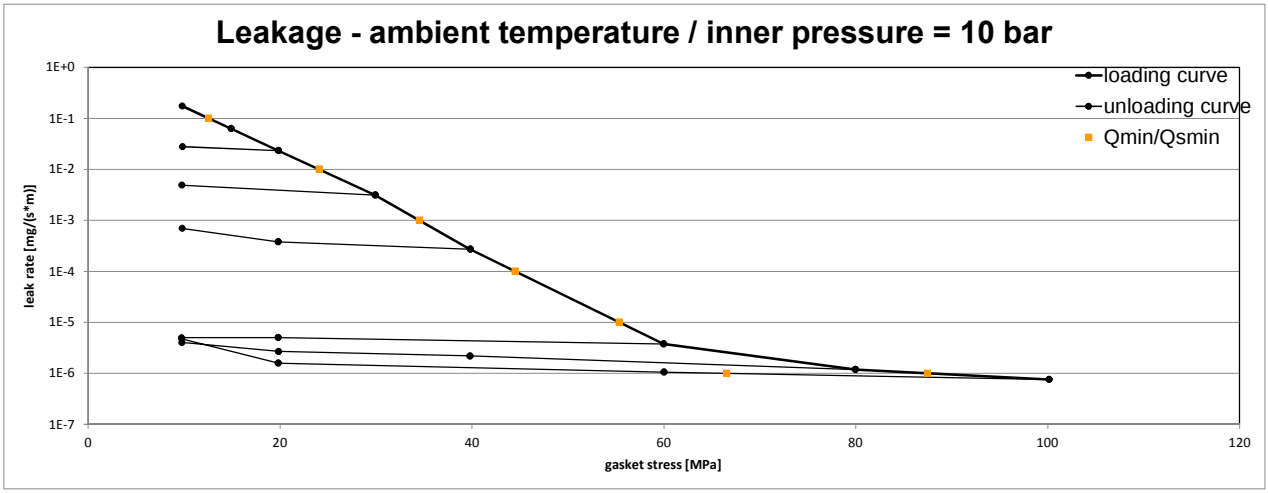
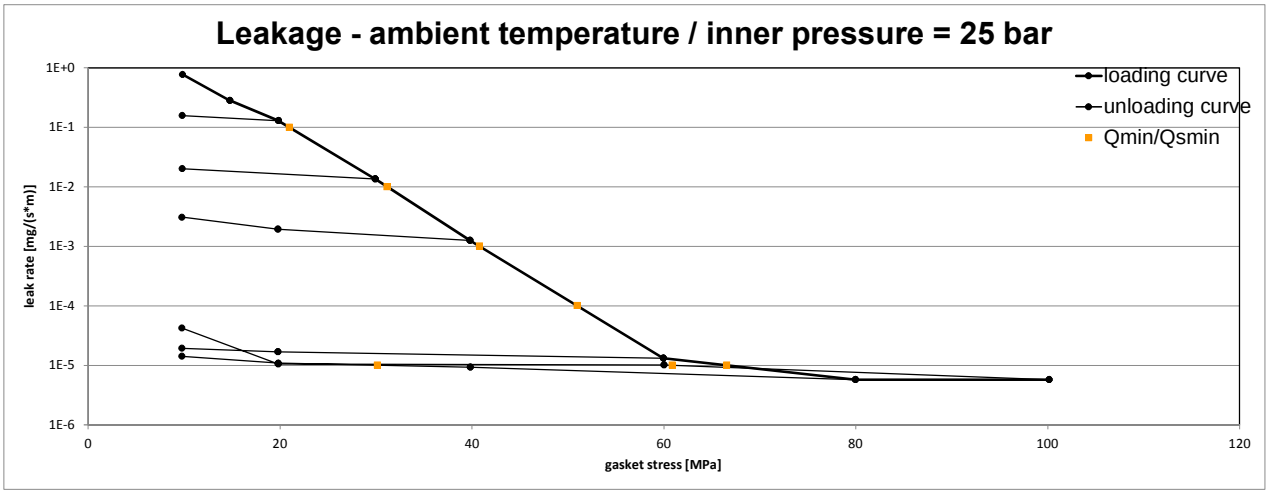
Company Address	TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria	According to **DIN EN 13555 2014-07**
Gasket Type	*30 SH*	
Sealing element dimensions [mm]	*92 x 49 x 3.0*	

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^{-0}	10	10	10	10	10	10	10				
10^{-1}	13	10	10	10	10	10	10				
10^{-2}	24		10	10	10	10	10				
10^{-3}	35			10	10	10	10				
10^{-4}	45				10	10	10				
10^{-5}	55				10	10	10				
10^{-6}	87						67				



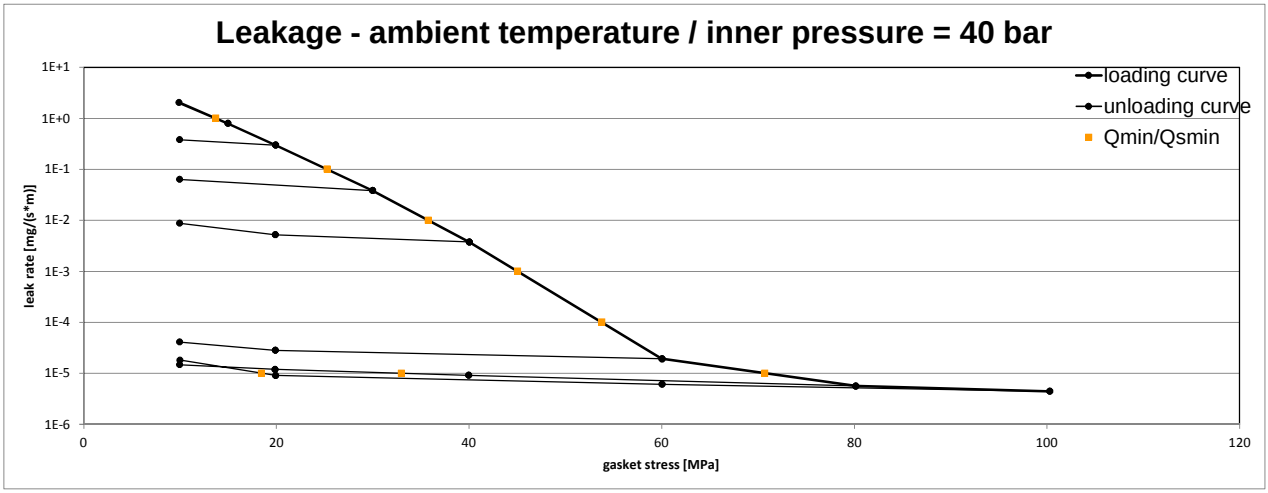
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 25 bar $Q_{Smin/L}$ [MPa]									
		Q_A= 20 MPa	Q_A= 30 MPa	Q_A= 40 MPa	Q_A= 60 MPa	Q_A= 80 MPa	Q_A= 100 MPa				
10^{-0}	10	10	10	10	10	10	10				
10^{-1}	21		10	10	10	10	10				
10^{-2}	31			10	10	10	10				
10^{-3}	41				10	10	10				
10^{-4}	51				10	10	10				
10^{-5}	67					30	61				



Note: the content of darkened cells was not determined respectively is unnecessary	Rev - No: **1**	Creation date of this sheet:	**2016-08-09**

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 3.0*	

L [mg/(s*m)]	$Q_{min/L}$ [MPa]	Minimum stress to seal $\mathbf{Q_{min/L}}$ (at assembly), $\mathbf{Q_{Smin/L}}$ (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}	14	10	10	10	10	10	10				
10^{-1}	25		10	10	10	10	10				
10^{-2}	36			10	10	10	10				
10^{-3}	45				10	10	10				
10^{-4}	54				10	10	10				
10^{-5}	71					33	18				



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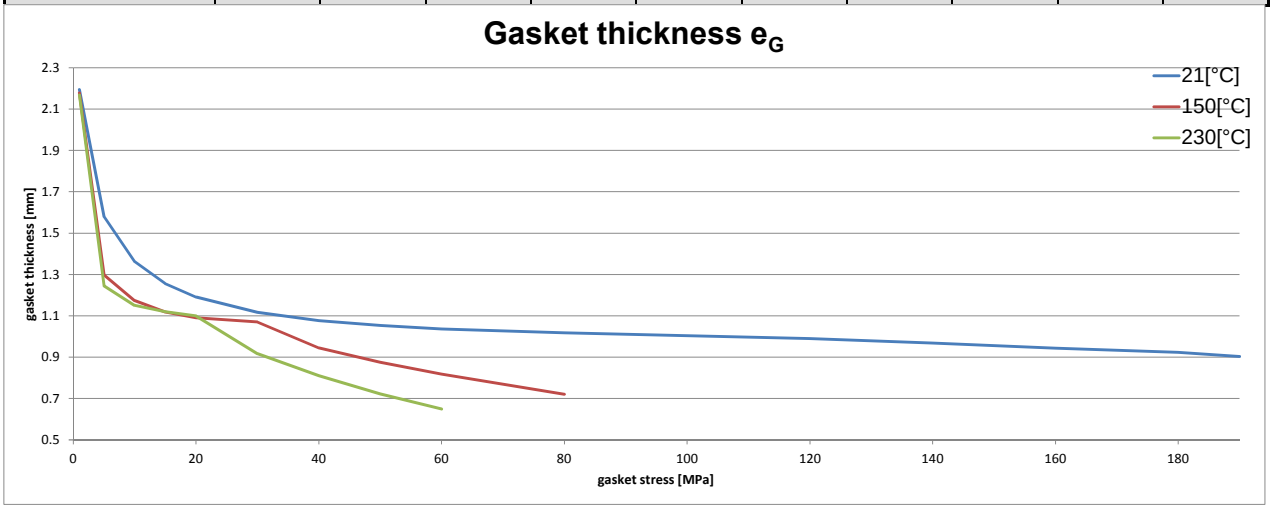
Company Address	*TEADIT International, Rosenheimer Straße 10, 6330 Kufstein, Austria*	According to **DIN EN 13555 2014-07**
Gasket Type	*30 SH*	
Sealing element dimensions [mm]	*92 x 49 x 3.0*	

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]	0.91	0.024	0.71	0.073	0.55	0.113				
Stress level 2 [50 MPa]	0.95	0.021	0.63	0.157	0.51	0.206				
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{smax}										
P_{QR} at Q_{Smax}	0.97	0.048	0.65	0.235	0.55	0.229				
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]	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		2.825		2.865		2.750				
1		2.195		2.179		2.169				
5	98	1.580	80	1.298	88	1.245				
10	224	1.363	212	1.175	266	1.151				
15	377	1.256	437	1.118	610	1.120				
20	553	1.191	835	1.091	878	1.100				
30	1003	1.116	1805	1.070	1127	0.917				
40	1550	1.077	2262	0.944	1431	0.810				
50	2112	1.053	2724	0.876	1686	0.722				
60	2602	1.037	2922	0.818	1891	0.649				
80	3303	1.018	3478	0.721						
100	3694	1.004								
120	4031	0.989								
140	4329	0.968								
160	4453	0.944								
180	4423	0.923								
190	4597	0.904								



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