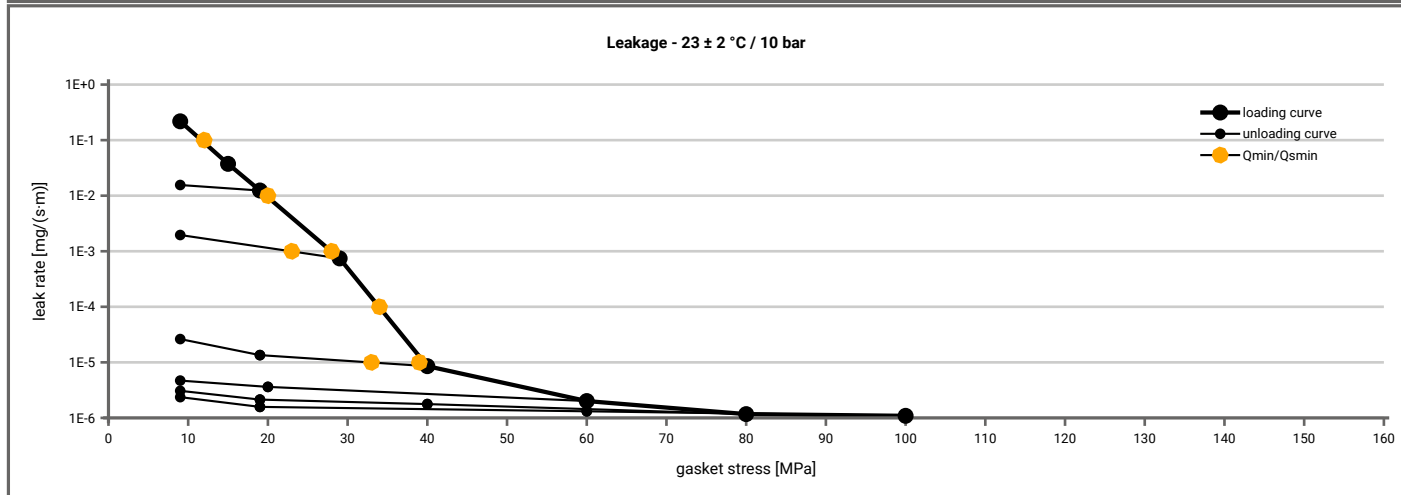
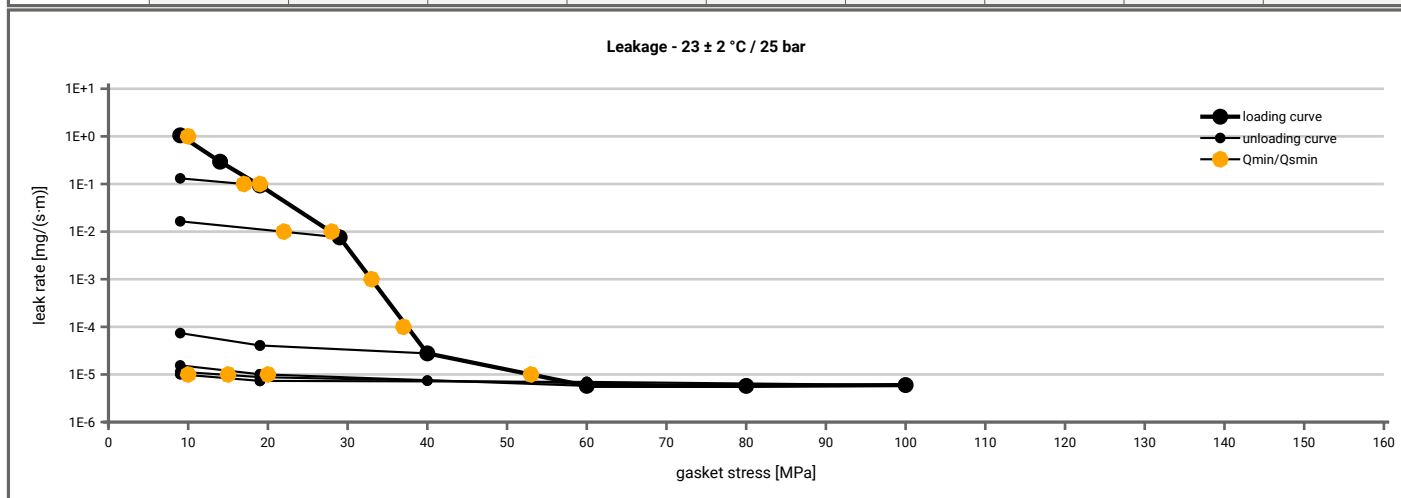


Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2014-7
Product name	24 SH	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ($T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [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]
1E-0	10			10	10	10	10	10	10
1E-1	12			10	10	10	10	10	10
1E-2	21				10	10	10	10	10
1E-3	29				24	10	10	10	10
1E-4	34					10	10	10	10
1E-5	40					33	10	10	10
1E-6									
1E-7									
1E-8									



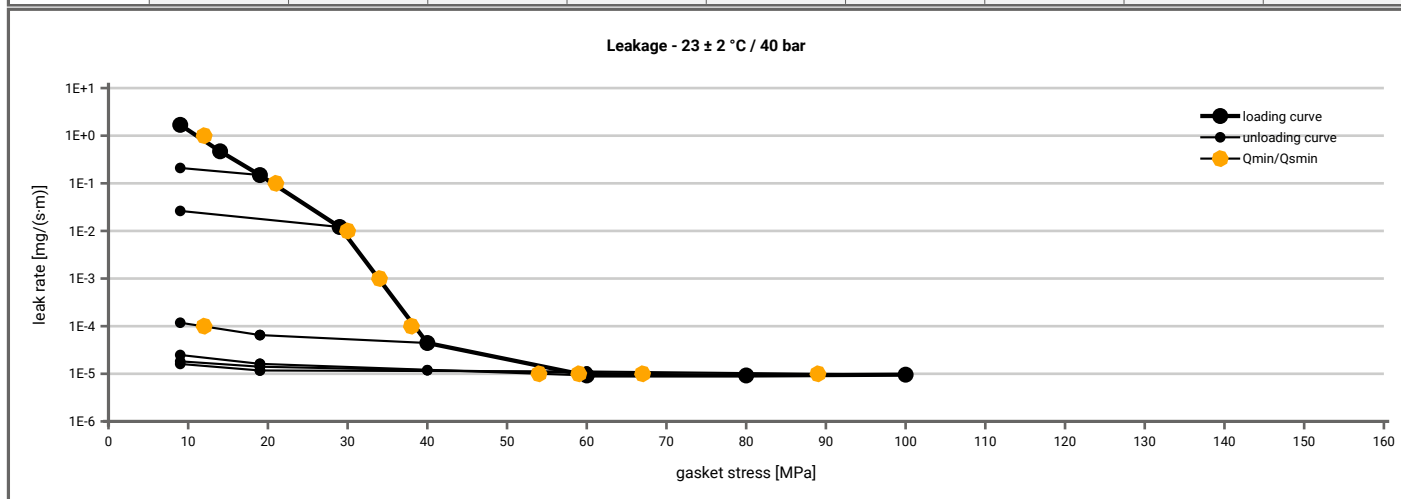
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 25$ bar ($T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E+1	10			10	10	10	10	10	10
1E-0	10			10	10	10	10	10	10
1E-1	20			18	10	10	10	10	10
1E-2	29				23	10	10	10	10
1E-3	34					10	10	10	10
1E-4	38					10	10	10	10
1E-5	53						21	15	10
1E-6									
1E-7									
1E-8									



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 3	Creation date of this sheet: 2016-09-12
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Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2014-7
Product name	24 SH	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [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]
1E+1	10			10	10	10	10	10	10
1E-0	12			10	10	10	10	10	10
1E-1	22				10	10	10	10	10
1E-2	30					10	10	10	10
1E-3	34					10	10	10	10
1E-4	38					13	10	10	10
1E-5	59						54	67	89
1E-6									
1E-7									
1E-8									



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 3	Creation date of this sheet: 2016-09-12
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Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2014-7
Product name	24 SH	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

Relaxation ratio P_{QR} for stiffness $C = 500$ [kN/mm]										
Gasket stress	23 ± 2 °C		Temperature 1 [150 °C]		Temperature 2 [230 °C]					
	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]	P_{QR}	Δe_{Gc} [µm]
Stress level 1 [30 MPa]	0.89	29	0.46	136	0.40	151				
Stress level 2 [50 MPa]	0.87	55	0.45	233	0.37	264				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.96	64	0.45	279	0.37	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]	23 ± 2 °C		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	0	3.160	0	3.245	0	3.230				
1	0	2.361	0	2.327	0	2.351				
5	89	1.595	85	1.237	97	1.206				
10	205	1.363	238	1.130	311	1.099				
15	351	1.256	608	1.059	464	0.928				
20	535	1.194	829	0.934	664	0.827				
30	1003	1.127	1491	0.805	1017	0.667				
40	1628	1.092	2019	0.699	1373	0.561				
50	2294	1.070	2494	0.619	1638	0.487				
60	2913	1.048	2897	0.557						
80	4221	1.001								
100	4235	0.962								
120	4287	0.932								
140	4224	0.906								
160	4156	0.884								
180	3929	0.862								
190	3643	0.840								

