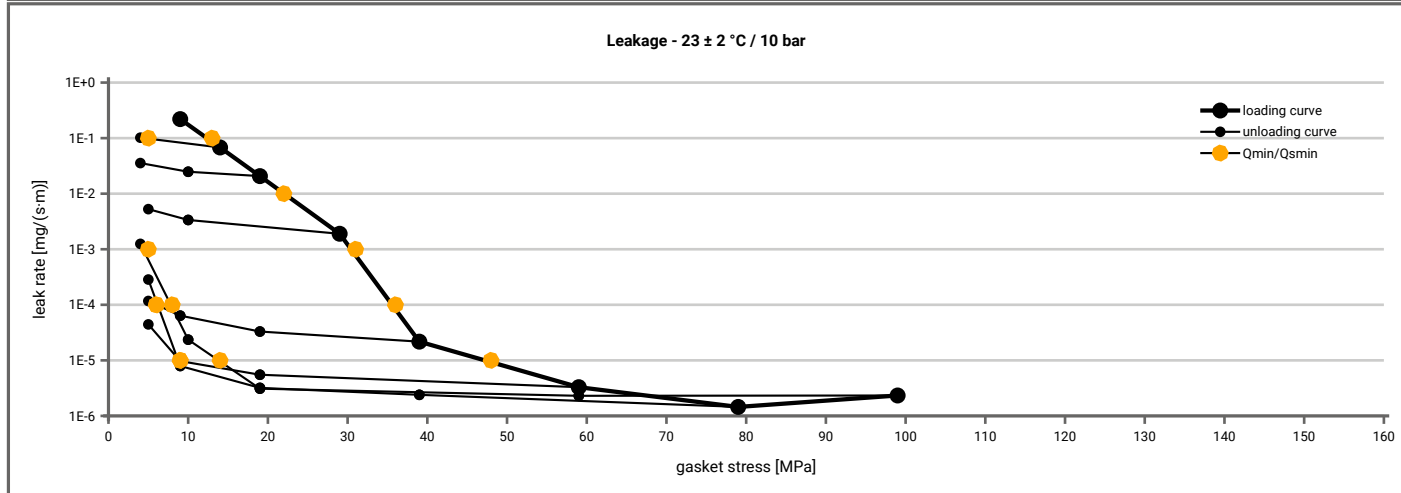
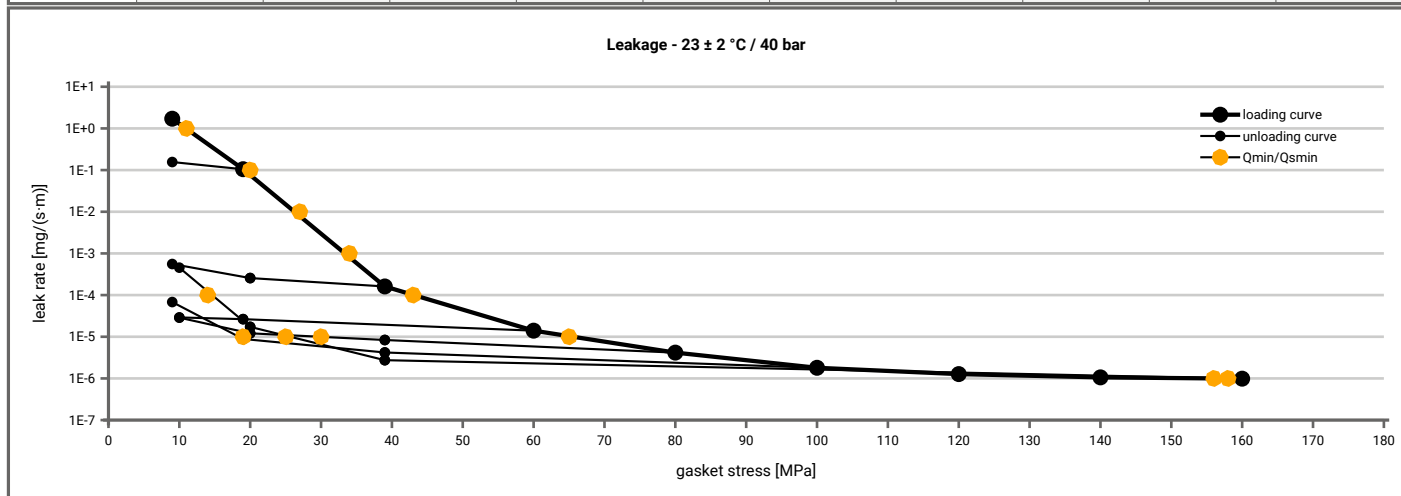


Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2005-2
Product name	24 SH	
Product dimensions	92 x 49 x 3 mm (DIN EN 1514-1 1997-8)	

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		5	5	5	5	5	5	5
1E-1	13		5	5	5	5	5	5	5
1E-2	23				5	5	5	5	5
1E-3	31					5	5	5	5
1E-4	36					6	5	6	8
1E-5	48						10	10	14
1E-6									
1E-7									
1E-8									



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 40 bar (T = 23 ± 2 °C)										
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]								
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]	$Q_A = 120$ [MPa]	$Q_A = 140$ [MPa]	$Q_A = 160$ [MPa]
1E+1	10		10	10	10	10	10			10
1E-0	12		10	10	10	10	10			10
1E-1	20			10	10	10	10			10
1E-2	27			10	10	10	10			10
1E-3	34			10	10	10	10			10
1E-4	44				10	10	10			15
1E-5	66					30	19			26
1E-6	156									158
1E-7										
1E-8										

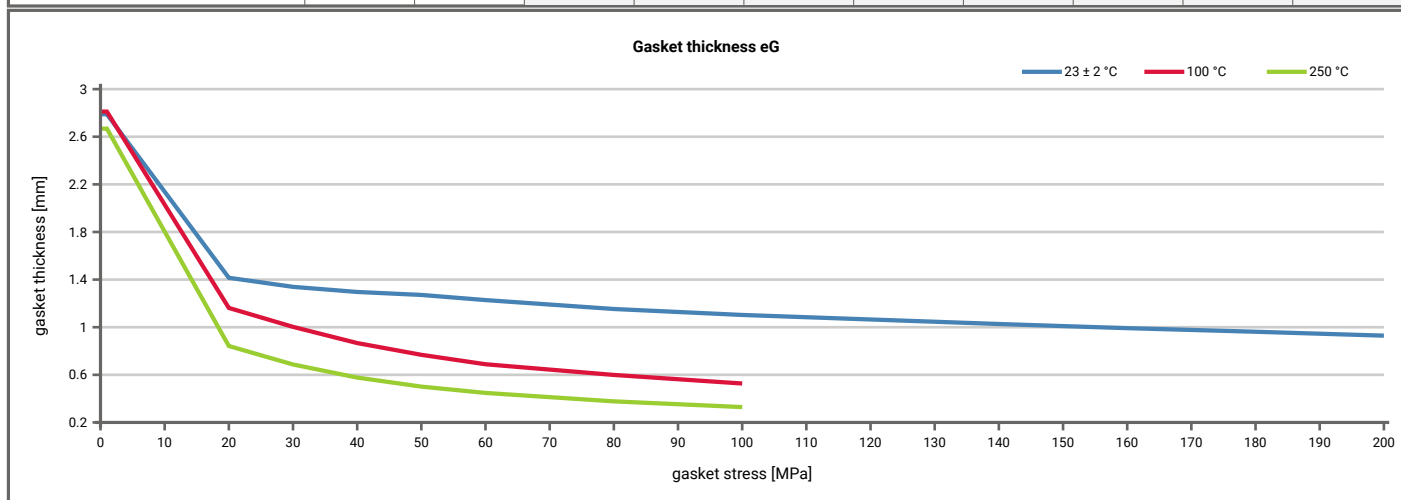


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2012-11-07
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Manufacturer address	TEADIT International Produktions GmbH, Schanzenstr. 35, 51063 Köln, DE	According to DIN EN 13555 2005-2
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 [100 °C]		Temperature 2 [250 °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]	0.88	30	0.56	112	0.34	166				
Stress level 2 [50 MPa]					0.26	313				
Stress level 3 [60 MPa]			0.48	262						
Stress level 4 [140 MPa]	0.95	59								
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	0.88	201	0.51	411	0.40	508				
Q_{smax}	200 MPa		100 MPa		100 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	23 ± 2 °C		Temperature 1 [100 °C]		Temperature 2 [250 °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	2.789	0	2.811	0	2.668				
1	0	2.789	0	2.811	0	2.668				
20	469	1.415	603	1.162	447	0.842				
30	801	1.339	1193	1.003	602	0.687				
40	1080	1.296	1555	0.867	767	0.577				
50	1733	1.271	1420	0.768	847	0.501				
60	1656	1.228	2001	0.689	962	0.448				
80	2531	1.153	2635	0.599	1102	0.377				
100	2337	1.103	3060	0.527	1219	0.329				
120	2714	1.065								
140	2435	1.027								
160	2287	0.992								
180	2512	0.962								
200	2392	0.929								



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