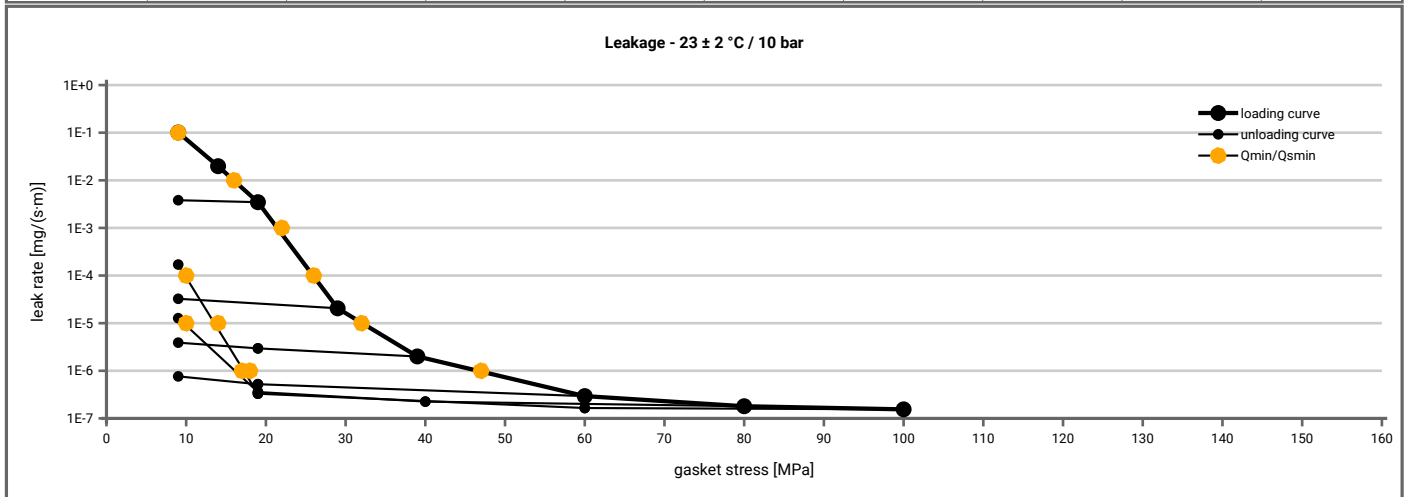
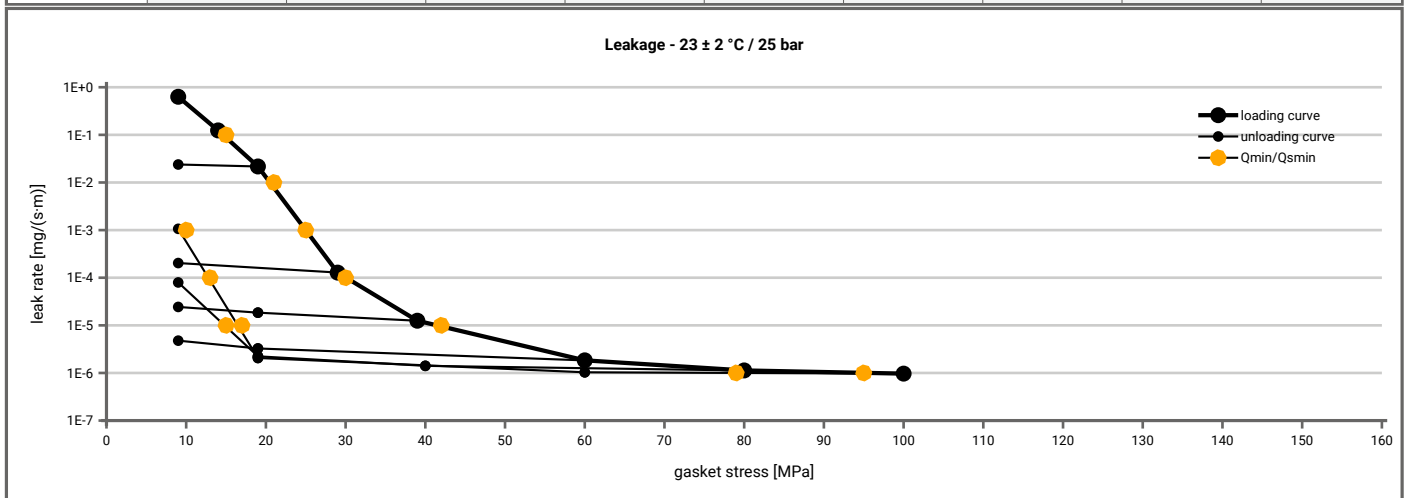


Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to EN 13555 2021-4
Product name	24 B	
Product dimensions	120 x 110 x 2 mm	

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	10			10	10	10	10	10	10
1E-2	17			10	10	10	10	10	10
1E-3	22				10	10	10	10	10
1E-4	27				10	10	10	10	11
1E-5	33					10	10	11	14
1E-6	47						10	17	18
1E-7									

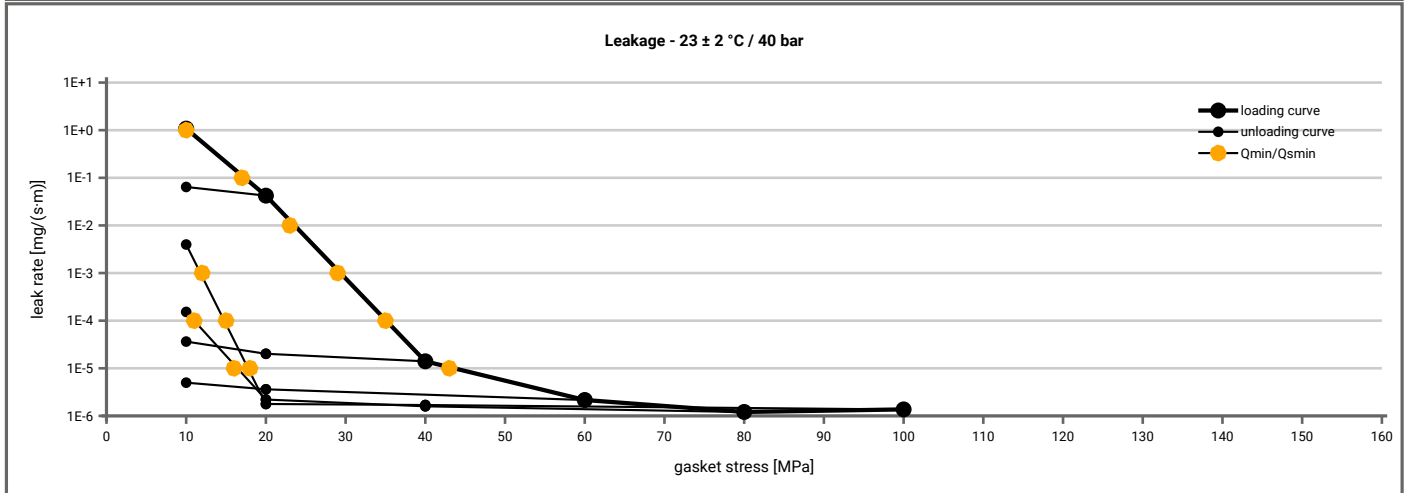


Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 25$ bar ($T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E-0	10			10	10	10	10	10	10
1E-1	15			10	10	10	10	10	10
1E-2	21				10	10	10	10	10
1E-3	26				10	10	10	10	10
1E-4	31					10	10	10	14
1E-5	42						10	16	17
1E-6	96								80
1E-7									



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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]	$Q_A = 20$ [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
1E-0	10		10	10	10	10	10
1E-1	17		10	10	10	10	10
1E-2	24			10	10	10	10
1E-3	30			10	10	10	12
1E-4	35			10	10	11	15
1E-5	44				10	17	18
1E-6							
1E-7							



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 2	Creation date of this sheet: 2023-08-23
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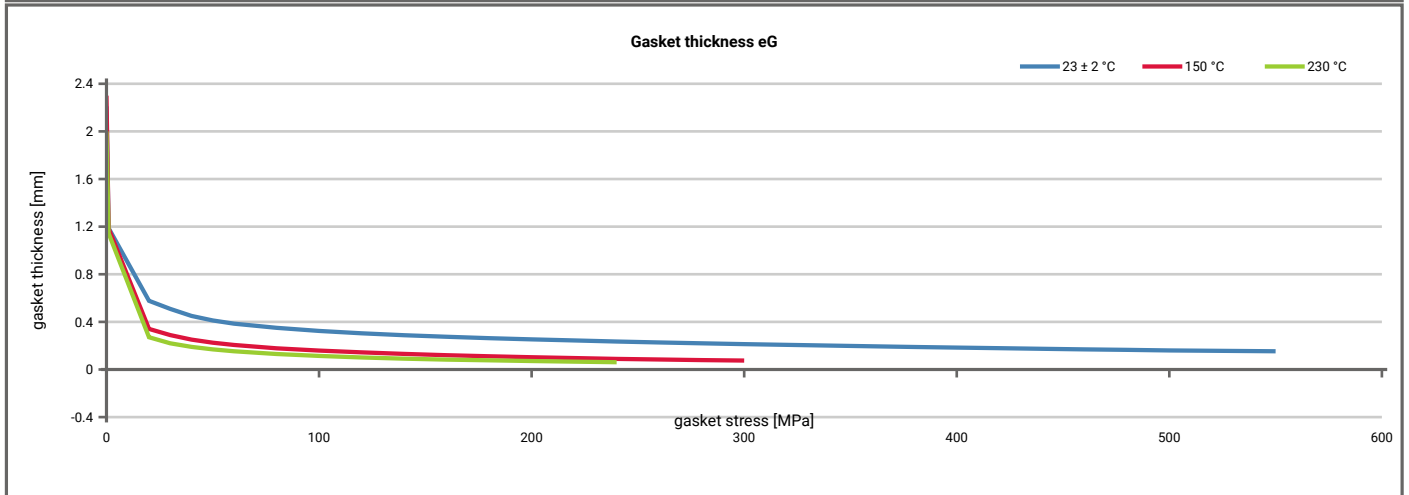
Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to EN 13555 2021-4
Product name	24 B	
Product dimensions	120 x 110 x 2 mm	

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]	0.85	17	0.49	56	0.40	66				
Stress level 2 [50 MPa]	0.91	16	0.61	70	0.52	87				
Stress level 3 [80 MPa]	0.95	16	0.72	82	0.64	104				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	20	0.93	81	0.89	99				
Q_{smax}	550 MPa		300 MPa		250 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	2.210	0	2.300	0	2.000				
1	0	1.188	0	1.183	0	1.144				
20	2995	0.577	1647	0.341	3237	0.271				
30	1538	0.509	5019	0.289	1568	0.220				
40	1271	0.450	4318	0.251	1053	0.190				
50	1310	0.412	3503	0.225	898	0.169				
60	1514	0.385	2878	0.206	767	0.153				
80	1872	0.350	2457	0.178	646	0.130				
100	2172	0.324	1978	0.159	616	0.114				
120	2363	0.304	1771	0.144	606	0.101				
140	2392	0.288	1606	0.131	585	0.091				
160	2369	0.275	1521	0.120	571	0.083				
180	2276	0.263	1415	0.111	573	0.077				
200	2205	0.253	1402	0.103	557	0.071				
220	2157	0.244	1295	0.096	537	0.066				
240	2129	0.235	1284	0.089	541	0.061				
260	2105	0.227	1224	0.084						
280	2069	0.220	1205	0.079						
300	2024	0.213	1175	0.075						
320	2002	0.207								
340	1989	0.201								
360	1965	0.195								
380	1937	0.189								
400	1951	0.184								
420	1927	0.179								
440	1870	0.174								
460	1854	0.169								
480	1834	0.165								
500	1817	0.160								
550	1768	0.153								

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