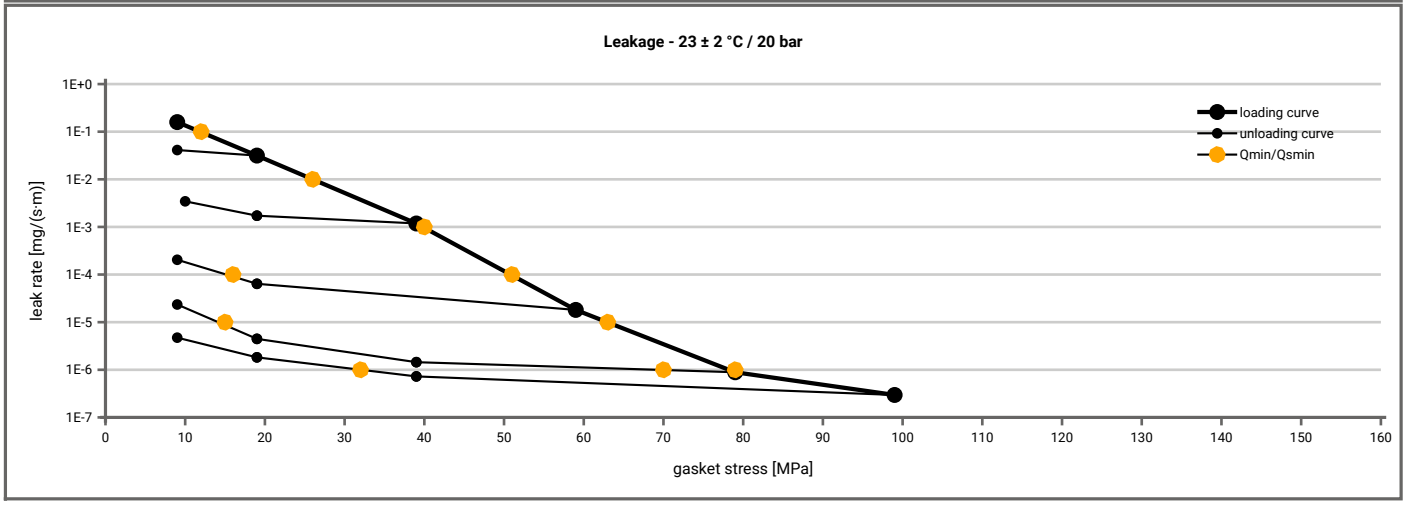
Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to
Product name	NA1002	EN 13555
Product dimensions	92 x 49 x 2 mm	2021-4

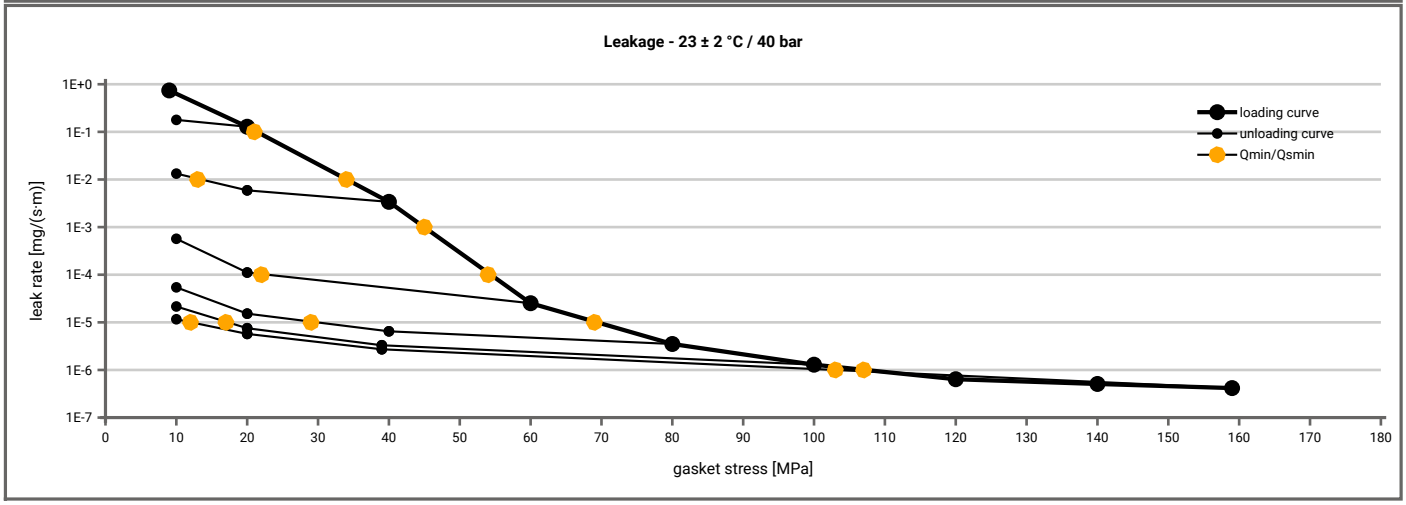
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 20 bar (T = 23 ± 2 °C)

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]
1E-0	10		10	10	10	10	10
1E-1	13		10	10	10	10	10
1E-2	27			10	10	10	10
1E-3	41				10	10	10
1E-4	52				16	10	10
1E-5	64					15	10
1E-6	79					70	33
1E-7							



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-0	10		10	10	10	10	10			10
1E-1	21			10	10	10	10			10
1E-2	34			13	10	10	10			10
1E-3	45				10	10	10			10
1E-4	54				23	10	10			10
1E-5	69					30	17			12
1E-6	107									104
1E-7										

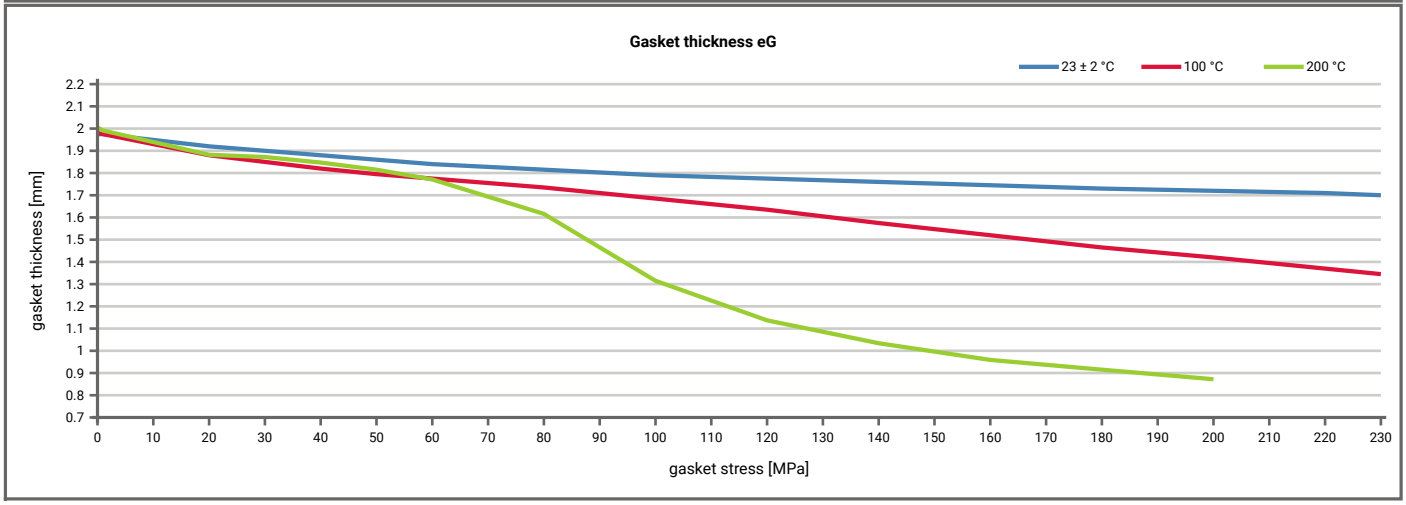


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2024-02-22**

Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to **EN 13555 2021-4**
Product name	NA1002	
Product dimensions	92 x 49 x 2 mm	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [100 °C]**		**Temperature 2 [200 °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 [10 MPa]	0.93	6	0.61	33	0.51	41				
Stress level 2 [30 MPa]	0.95	13	0.75	63	0.68	82				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	19	0.80	396	0.67	554				
Q_{smax}	230 MPa		230 MPa		200 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 [200 °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	1.975	0	1.980	0	2.005				
1	0	1.975	0	1.975	0	1.991				
20	3957	1.920	1619	1.880	2361	1.882				
30	3646	1.900	2328	1.850	5633	1.872				
40	3722	1.880	3001	1.820	4565	1.847				
50	4161	1.860	3767	1.795	4030	1.815				
60	4611	1.840	4423	1.775	3860	1.771				
80	5713	1.815	5273	1.735	4183	1.616				
100	6708	1.790	5930	1.685	3934	1.315				
120	7442	1.775	6303	1.635	3840	1.137				
140	8093	1.760	6651	1.575	3957	1.034				
160	8770	1.745	6803	1.520	4144	0.959				
180	9247	1.730	7082	1.465	4428	0.915				
200	9703	1.720	7110	1.420	4552	0.872				
220	10053	1.710	6938	1.370						
230	10268	1.700	7101	1.345						



Fields marked: Intrusion into bore was detected. Determined after the corresponding P_{QR}-Test.

Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **2**	Creation date of this sheet: **2024-02-22**