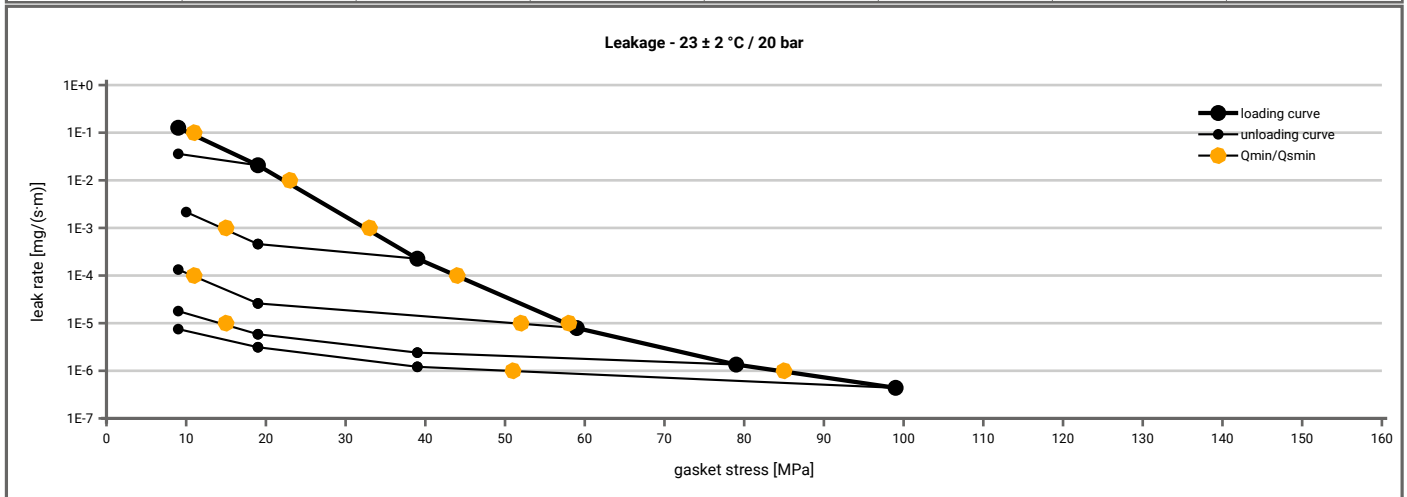
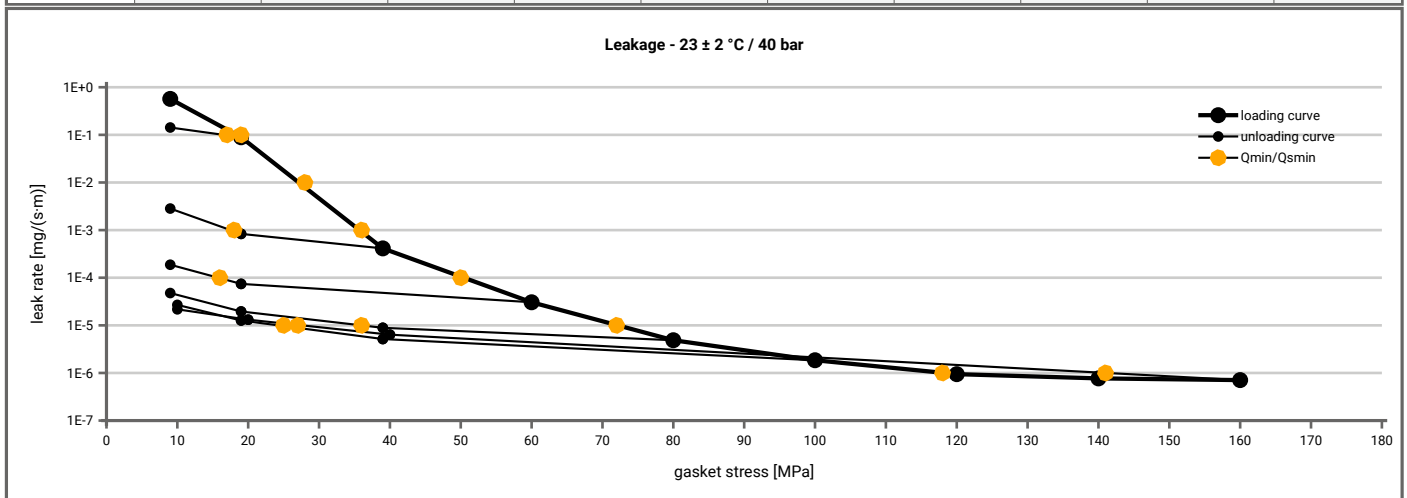


Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to EN 13555 2021-4
Product name	NA1100	
Product dimensions	92 x 49 x 2 mm	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 20$ 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-0	10		10	10	10	10	10
1E-1	11		10	10	10	10	10
1E-2	23			10	10	10	10
1E-3	33			15	10	10	10
1E-4	45				12	10	10
1E-5	59				52	15	10
1E-6	85						51
1E-7							



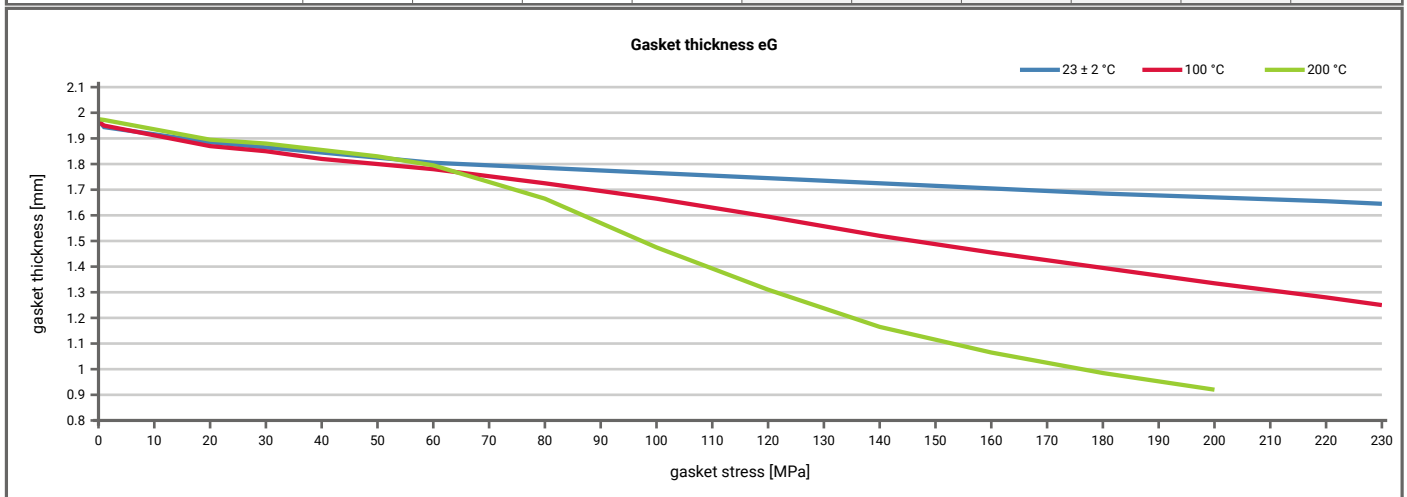
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °C)											
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		$Q_A = 10$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]	$Q_A = 120$ [MPa]	$Q_A = 140$ [MPa]	$Q_A = 160$ [MPa]	
1E-0	10		10	10	10	10	10				10
1E-1	19		17	10	10	10	10				10
1E-2	28			10	10	10	10				10
1E-3	37			18	10	10	10				10
1E-4	51				17	10	10				10
1E-5	72					37	25				28
1E-6	118										141
1E-7											



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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]	0.95	4	0.69	26	0.51	41				
Stress level 2 [30 MPa]	0.95	13	0.79	54	0.73	68				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{Smax})										
P_{QR} at Q_{Smax}	0.99	29	0.75	483	0.63	629				
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	1.970	0	1.965	0	1.975				
1	0	1.944	0	1.950	0	1.972				
20	2229	1.885	1824	1.870	1726	1.895				
30	2523	1.865	2525	1.850	2723	1.880				
40	2928	1.845	3102	1.820	3004	1.855				
50	3449	1.825	3774	1.800	3274	1.830				
60	4042	1.805	4144	1.780	3494	1.795				
80	5033	1.785	4672	1.725	3674	1.665				
100	5837	1.765	4929	1.665	3845	1.475				
120	6355	1.745	5357	1.595	3910	1.310				
140	6829	1.725	5509	1.520	4103	1.165				
160	7247	1.705	5641	1.455	4169	1.065				
180	7540	1.685	5877	1.395	4255	0.985				
200	7837	1.670	5858	1.335	4344	0.920				
220	8123	1.655	5952	1.280						
230	8230	1.645	6028	1.250						



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