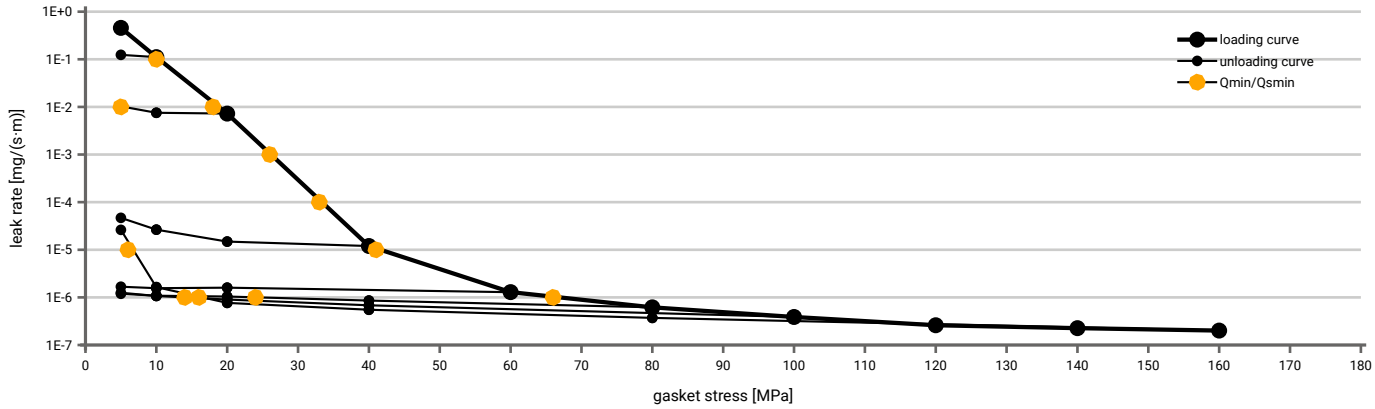
Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to
Product name	24 SH	EN 13555
Product dimensions	92 x 49 x 1.5 mm	2021-4

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for p = 10 bar (T = 23 ± 2 °C)

L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		Q_A = 5 [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	5		5	5	5	5	5	5			5
1E-1	10			5	5	5	5	5			5
1E-2	19			5	5	5	5	5			5
1E-3	26				5	5	5	5			5
1E-4	33				5	5	5	5			5
1E-5	42					5	5	5			7
1E-6	67						24	14			17
1E-7											

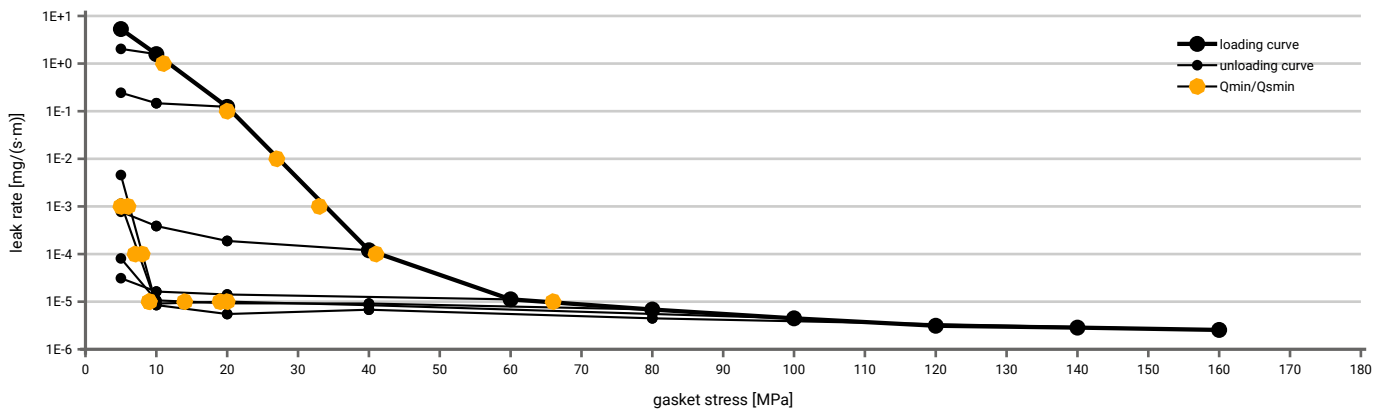
Leakage - 23 ± 2 °C / 10 bar



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 = 5 [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	5		5	5	5	5	5	5			5
1E-0	12			5	5	5	5	5			5
1E-1	21				5	5	5	5			5
1E-2	27				5	5	5	5			5
1E-3	34				5	5	5	5			6
1E-4	42					5	5	8			8
1E-5	67						14	20			10
1E-6											
1E-7											

Leakage - 23 ± 2 °C / 40 bar



Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2025-03-11**

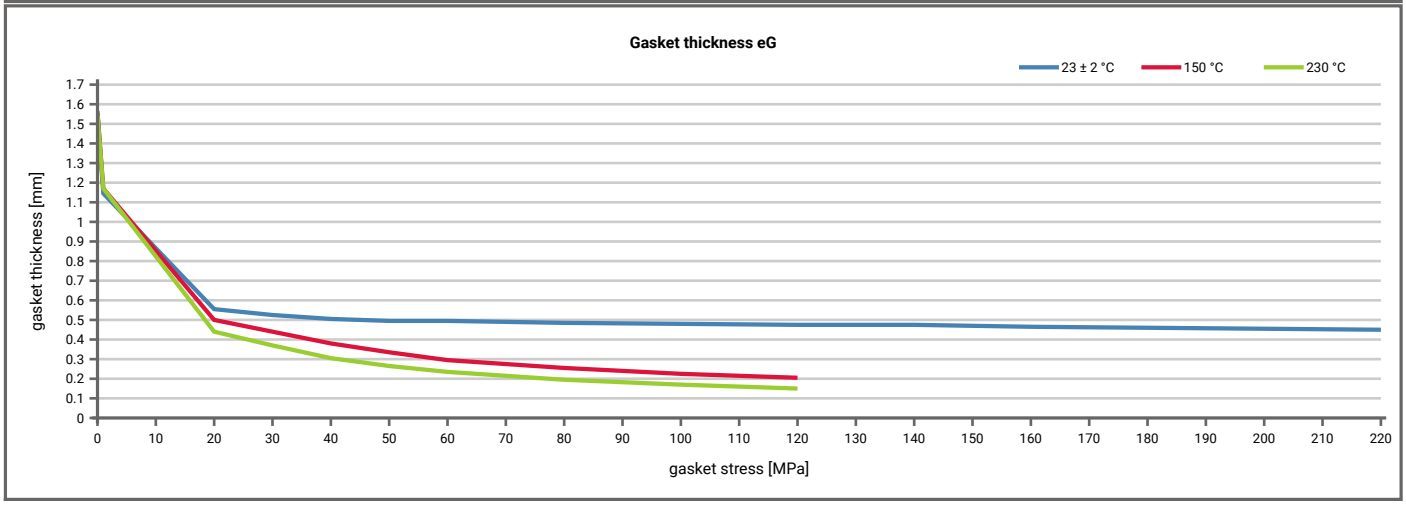
Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to **EN 13555 2021-4**
Product name	24 SH	
Product dimensions	92 x 49 x 1.5 mm	

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]	0.94	15	0.92	20	0.67	84				
Stress level 2 [50 MPa]	0.98	8	0.76	103	0.65	149				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	28	0.77	237	0.72	282				
Q_{smax}	220 MPa		120 MPa		120 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	1.565	0	1.550	0	1.545				
1	0	1.145	0	1.170	0	1.170				
20	463	0.555	1062	0.500	660	0.440				
30	813	0.525	1218	0.440	834	0.370				
40	1279	0.505	1110	0.380	881	0.305				
50	1782	0.495	1090	0.335	924	0.265				
60	2372	0.495	1107	0.295	978	0.235				
80	3379	0.485	1860	0.255	1325	0.195				
100	4106	0.480	2542	0.225	1898	0.170				
120	4458	0.475	2703	0.205	2032	0.150				
140	4565	0.475								
160	4617	0.465								
180	4469	0.460								
200	4437	0.455								
220	4323	0.450								



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.: **1**	Creation date of this sheet: **2025-03-11**