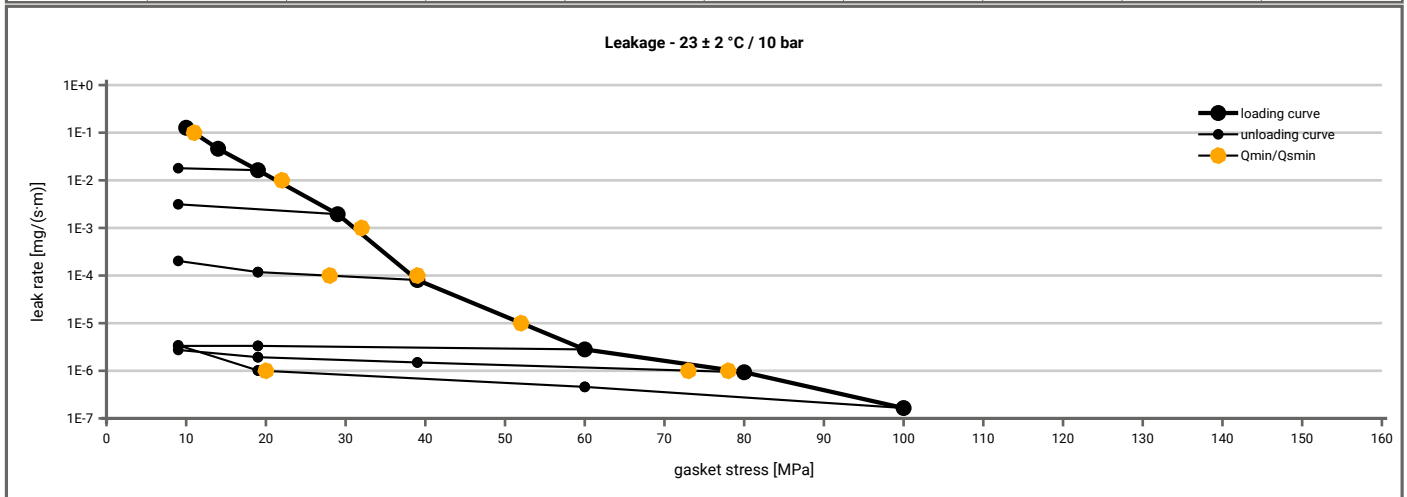
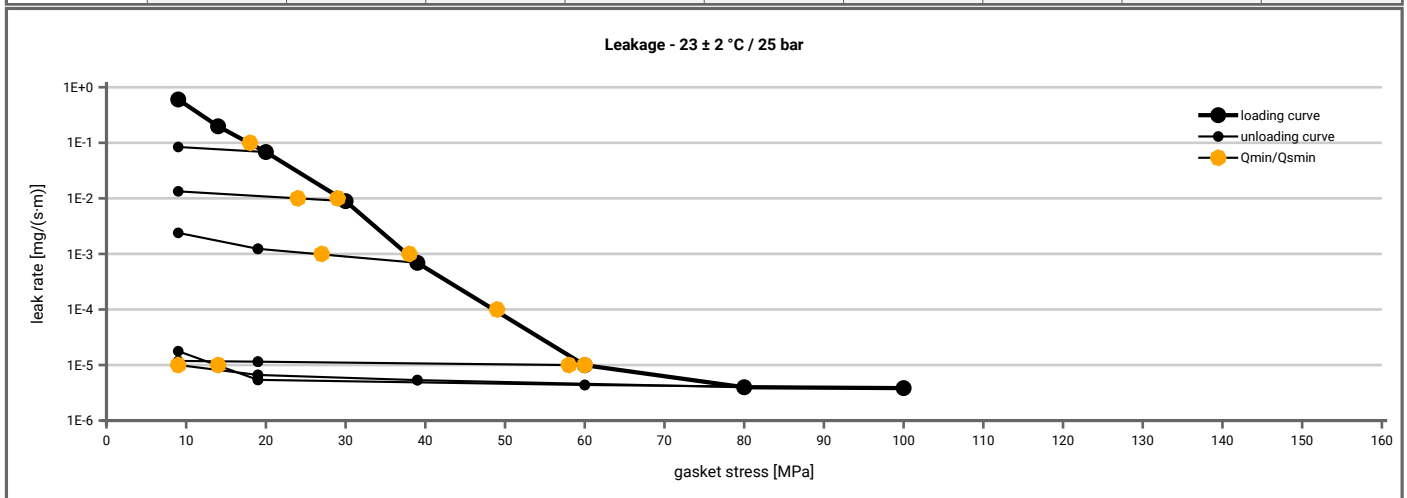


Manufacturer address	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to <b>EN 13555</b> <b>2021-4</b>
Product name	30 SH	
Product dimensions	92 x 49 x 2 mm	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ 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	11			10	10	10	10	10	10
1E-2	22				10	10	10	10	10
1E-3	32					10	10	10	10
1E-4	39					29	10	10	10
1E-5	52						10	10	10
1E-6	79							74	21
1E-7									

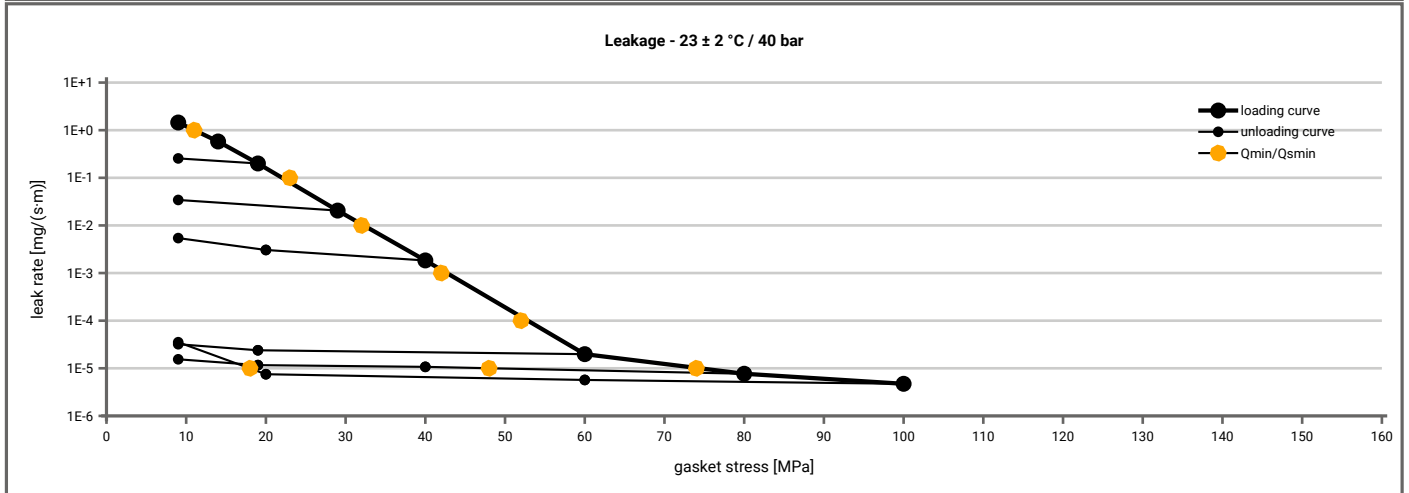


Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 25$ bar ( $T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [MPa]	$Q_A = 20$ [MPa]	$Q_A = 30$ [MPa]	$Q_A = 40$ [MPa]	$Q_A = 60$ [MPa]	$Q_A = 80$ [MPa]	$Q_A = 100$ [MPa]
1E-0	10			10	10	10	10	10	10
1E-1	18			10	10	10	10	10	10
1E-2	29				24	10	10	10	10
1E-3	38					27	10	10	10
1E-4	49						10	10	10
1E-5	60						58	10	15
1E-6									
1E-7									



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Product name	30 SH	
Product dimensions	92 x 49 x 2 mm	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ( $T = 23 \pm 2$ °C)									
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]							
		$Q_A = 10$ [MPa]	$Q_A = 15$ [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+1	10			10	10	10	10	10	10
1E-0	12			10	10	10	10	10	10
1E-1	23				10	10	10	10	10
1E-2	33					10	10	10	10
1E-3	43						10	10	10
1E-4	53						10	10	10
1E-5	75							48	18
1E-6									
1E-7									

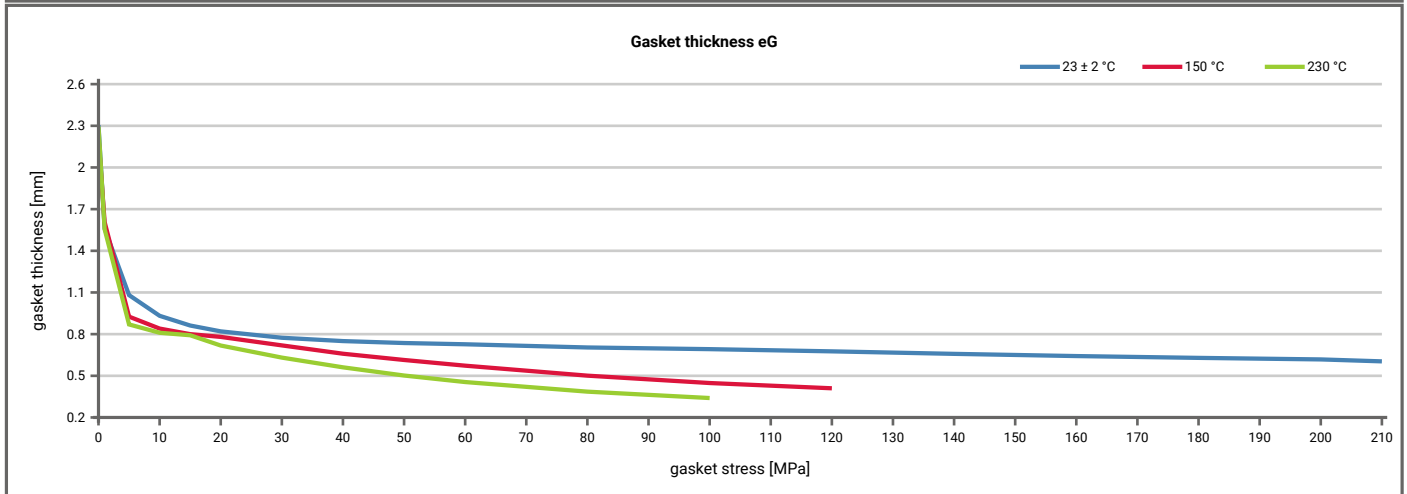


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: 3	Creation date of this sheet: 2023-08-24
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<b>Manufacturer address</b>	TEADIT International Produktions GmbH, Europastraße 12, 6322 Kirchbichl, AT	According to <b>EN 13555</b> <b>2021-4</b>
<b>Product name</b>	30 SH	
<b>Product dimensions</b>	92 x 49 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]		$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]
	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]	$P_{QR}$	$\Delta e_{Gc}$ [µm]				
Stress level 1 [30 MPa]	0.93	19	0.72	72	0.60	101				
Stress level 2 [50 MPa]	0.97	13	0.72	117	0.61	164				
<b><math>P_{QR}</math> and <math>\Delta e_{Gc}</math> at maximum gasket stress to be applied (<math>Q_{smax}</math>)</b>										
<b><math>P_{QR}</math> at <math>Q_{smax}</math></b>	0.98	35	0.67	309	0.60	340				
<b><math>Q_{smax}</math></b>	210 MPa		110 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 [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	2.305	0	2.215	0	2.295				
1	0	1.560	0	1.607	0	1.556				
5	100	1.081	81	0.926	92	0.870				
10	228	0.932	230	0.840	305	0.810				
15	391	0.862	504	0.800	819	0.792				
20	598	0.820	1045	0.780	1072	0.718				
30	1172	0.774	2262	0.719	1667	0.631				
40	1993	0.750	2963	0.659	2023	0.561				
50	2971	0.736	3375	0.614	2215	0.502				
60	3958	0.727	3949	0.573	2393	0.455				
80	5446	0.704	4309	0.501	2420	0.386				
100	5360	0.692	4333	0.448	2244	0.340				
120	5817	0.676	3493	0.410						
140	5628	0.658								
160	5266	0.642								
180	5089	0.629								
200	5018	0.618								
210	4702	0.604								



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