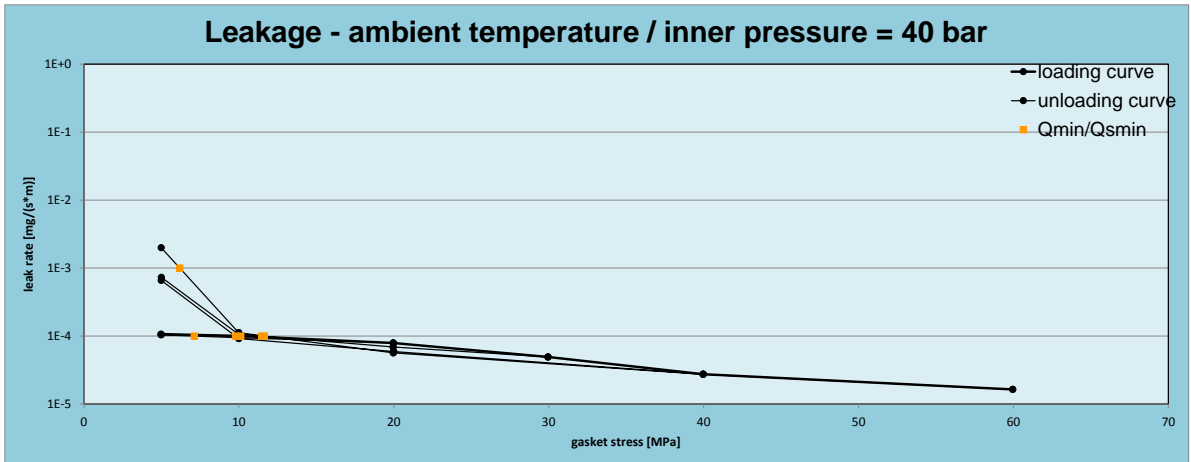
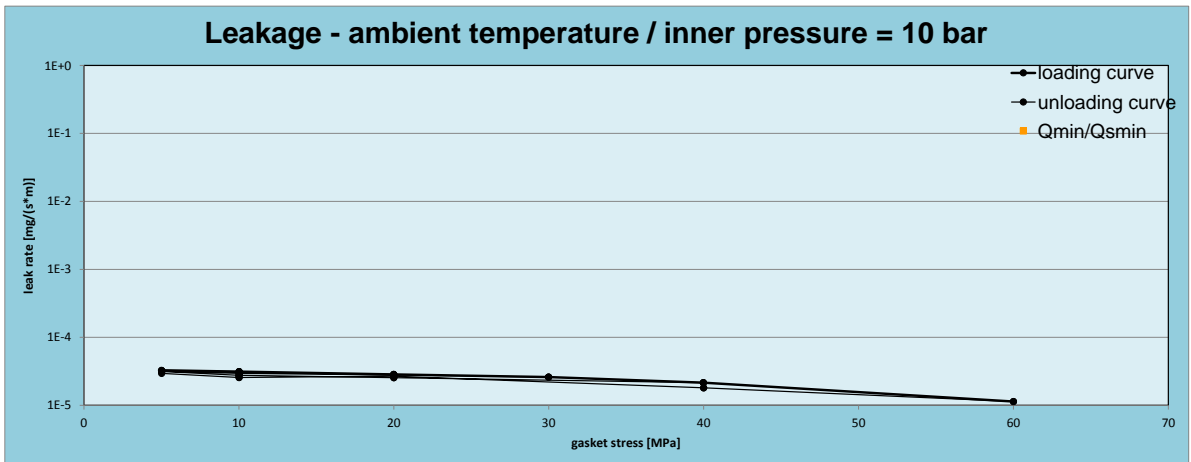


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	IDT Elastik-Dichtung ED10 WS 7110/WS 3822	
Sealing element dimensions [mm]	49x92x4.0	

L [mg/(s*m)]	Q _{min/L} [MPa]	Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa					
10 ⁰	5	5	5	5	5	5					
10 ⁻¹	5	5	5	5	5	5					
10 ⁻²	5	5	5	5	5	5					
10 ⁻³	5	5	5	5	5	6					
10 ⁻⁴	10	5	7	11	10	12					
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											



L [mg/(s*m)]	Q _{min/L} [MPa]	Q _{Smin/L} [MPa]									
		Q _A = 10 MPa	Q _A = 20 MPa	Q _A = 30 MPa	Q _A = 40 MPa	Q _A = 60 MPa					
10 ⁰	5	5	5	5	5	5					
10 ⁻¹	5	5	5	5	5	5					
10 ⁻²	5	5	5	5	5	5					
10 ⁻³	5	5	5	5	5	5					
10 ⁻⁴	5	5	5	5	5	5					
10 ⁻⁵											
10 ⁻⁶											
10 ⁻⁷											
10 ⁻⁸											

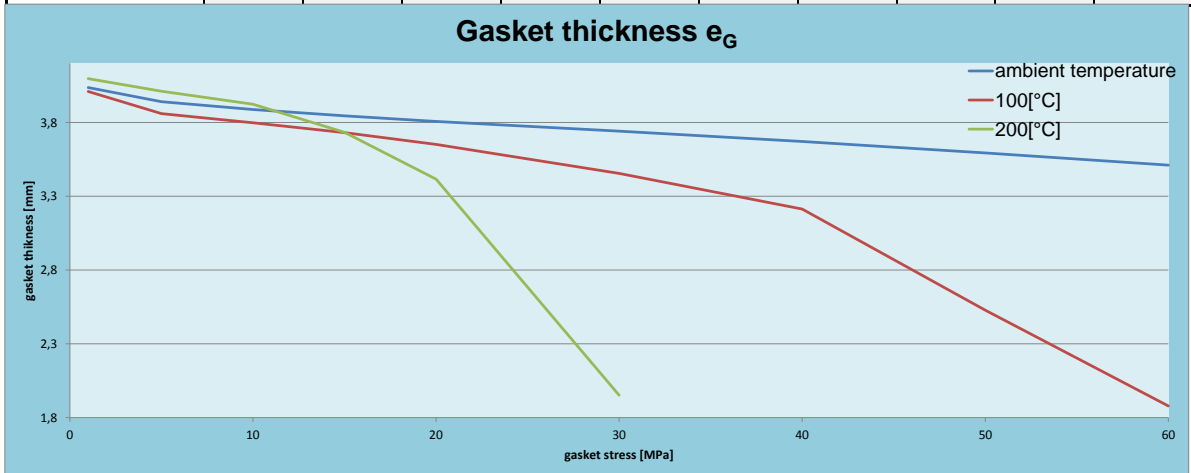


	Rev - No: 2	Creation date of this sheet: 2020-09-11
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Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	IDT Elastik-Dichtung ED10 WS 7110/WS 3822	
Sealing element dimensions [mm]	49x92x4.0	

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm										
Gasket stress	ambient temperature		temperature 1 [100 °C]		temperature 2 [200 °C]					
	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]	P_{QR}	Δe_{Gc} [mm]
Stress level 1 [10 MPa]	0.92	0.007	0.66	0.029	0.54	0.039				
Stress level 2 [20 MPa]					0.44	0.094				
Stress level 3 [30 MPa]	0.92	0.021	0.60	0.101						
P_{QR} and Δe_{Gc} at maximal applicable gasket stress Q_{Smax}										
P_{QR} at Q_{Smax}	0.87	0.065	0.48	0.264	0.37	0.159				
Q_{Smax}	60 MPa		60 MPa		30 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	ambient temperature		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		4.210		4.210		4.235				
1		4.037		4.010		4.097				
5	774	3.941	535	3.860	848	4.012				
10	843	3.888	705	3.798	789	3.924				
15	1183	3.845	980	3.732	758	3.734				
20	1378	3.807	1259	3.652	860	3.416				
30	1880	3.741	1624	3.455	923	1.952				
40	2489	3.672	1878	3.213						
50	2925	3.594	2907	2.528						
60	2605	3.511	2202	1.879						
80										
100										
120										
140										
160										
180										
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500										



Rev - No: 2	Creation date of this sheet: 2020-09-11
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