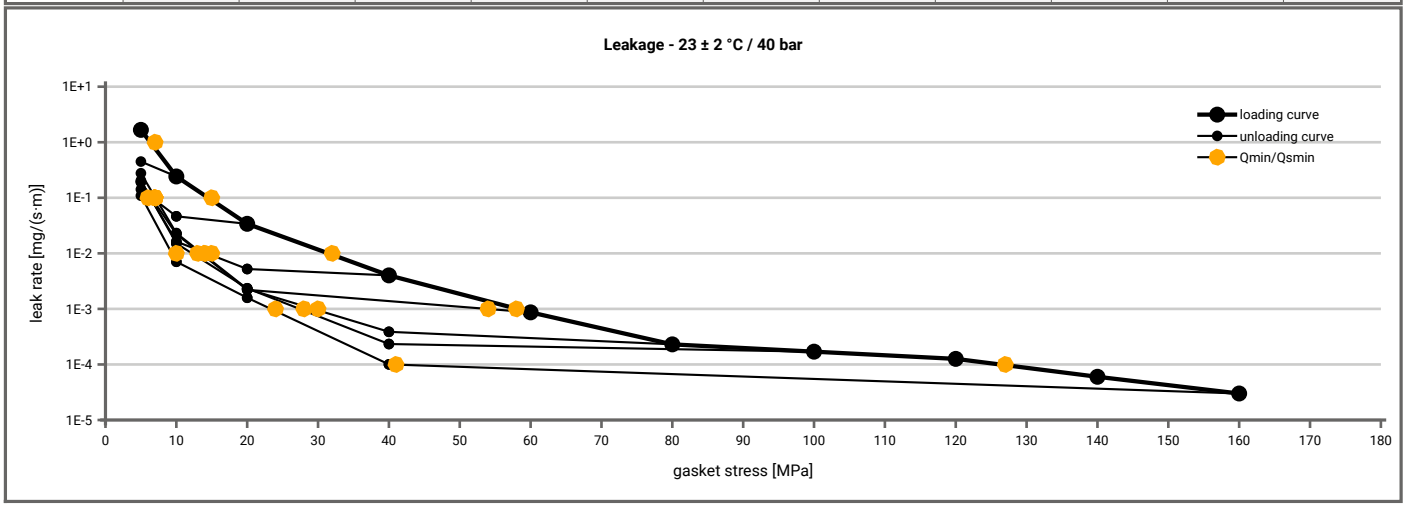
Manufacturer address	EagleBurgmann Germany GmbH & Co KG, Äußere Sauerlacher Straße 6-10, 82515 Wolfratshausen, DE	According to **DIN EN 13555 2005-2**
Product name	Spiraltherm 9594/GIA	
Product dimensions	66 x 56 x 5 mm (DIN EN 1514-2 2014-8)	

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 = 6 [MPa]	Q_A = 11 [MPa]	Q_A = 21 [MPa]	Q_A = 41 [MPa]	Q_A = 61 [MPa]	Q_A = 81 [MPa]	Q_A = 101 [MPa]	Q_A = 121 [MPa]	Q_A = 141 [MPa]	Q_A = 161 [MPa]
1E+1	6		6	6	6	6	6	6			6
1E-0	7		6	6	6	6	6	6			6
1E-1	15			7	7	7	8	7			6
1E-2	32				15	14	14	13			10
1E-3	59					55	30	28			24
1E-4	127										41
1E-5											
1E-6											
1E-7											
1E-8											

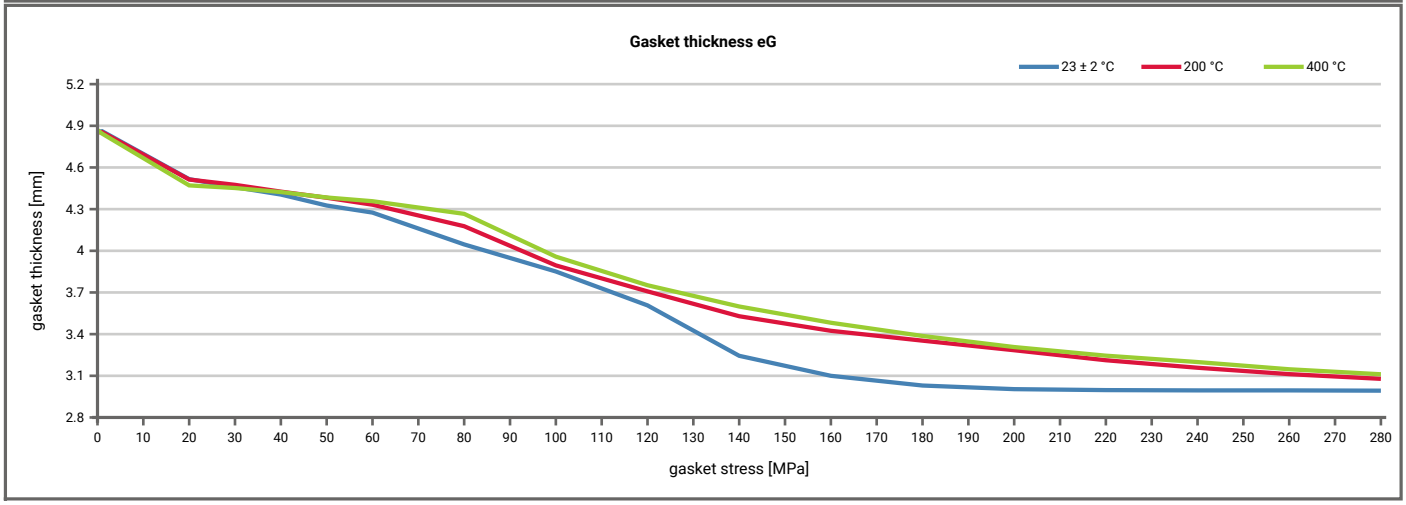


Note: the content of darkened cells was not determined respectively is unnecessary	Rev.-No.: **1**	Creation date of this sheet: **2013-11-20**

Manufacturer address	EagleBurgmann Germany GmbH & Co KG, Äußere Sauerlacher Straße 6-10, 82515 Wolfratshausen, DE	According to **DIN EN 13555 2005-2**
Product name	Spiraltherm 9594/GIA	
Product dimensions	66 x 56 x 5 mm (DIN EN 1514-2 2014-8)	

Relaxation ratio P_{QR} for stiffness C = 500 [kN/mm]										
Gasket stress	**23 ± 2 °C**		**Temperature 1 [200 °C]**		**Temperature 2 [400 °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 [80 MPa]	0.99	2	0.86	22	0.73	41				
Stress level 2 [120 MPa]	0.98	6	0.84	38	0.72	66				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied Q_{smax}										
P_{QR} at Q_{smax}	1.00	0	0.98	11	0.98	13				
Q_{smax}	280 MPa		280 MPa		280 MPa					

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]										
Gasket stress [MPa]	**23 ± 2 °C**		**Temperature 1 [200 °C]**		**Temperature 2 [400 °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	4.857	0	4.852	0	4.870				
1	0	4.861	0	4.855	0	4.844				
20	3209	4.516	6314	4.513	9997	4.471				
30	3661	4.458	7688	4.475	11915	4.452				
40	7167	4.405	7411	4.426	9166	4.423				
50	5021	4.326	9816	4.382	12848	4.384				
60	6534	4.275	10186	4.332	23614	4.357				
80	13175	4.046	16749	4.177	21476	4.266				
100	7677	3.851	14482	3.895	14984	3.958				
120	8064	3.607	12407	3.708	19685	3.752				
140	7443	3.244	16726	3.529	20662	3.599				
160	11013	3.100	20805	3.424	23211	3.482				
180	14396	3.030	21159	3.353	30442	3.387				
200	16124	3.004	43794	3.284	25485	3.307				
220	18551	2.997	21609	3.212	34935	3.245				
240	25468	2.995	42250	3.158	39187	3.199				
260	40020	2.995	39548	3.112	24640	3.147				
280	53364	2.993	45686	3.078	56433	3.111				



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