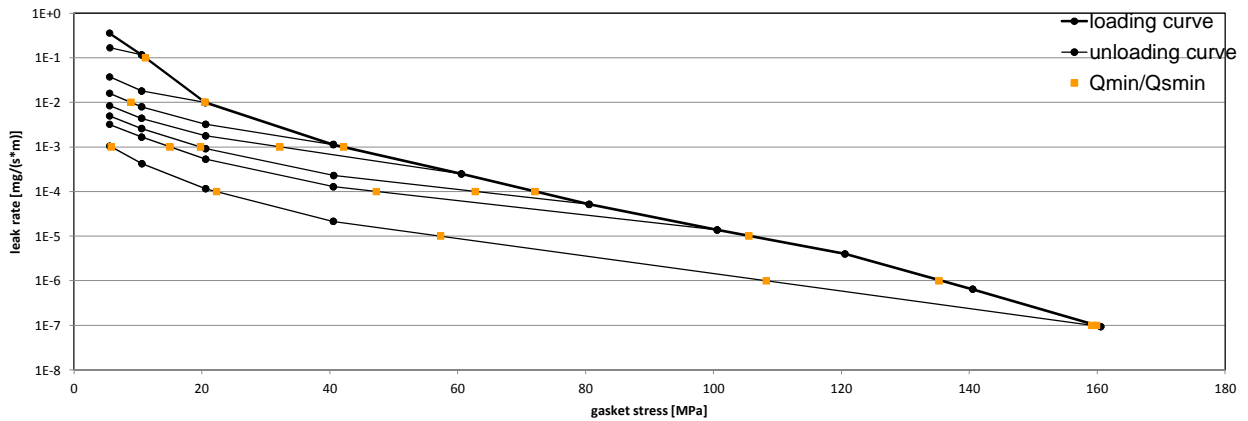


Company Address	EagleBurgmann Germany GmbH & Co. KG Äussere Sauerlacher-Str. 6-10, 82515 Wolfratshausen/Germany
Gasket Type	Kammprofil Dichtung 9598/P
Sealing element dimensions [mm]	68 x 53 x 5

L [mg/(s*m)]	Q _{min/L} [MPa]	Minimum stress to seal Q _{min/L} (at assembly), Q _{Smin/L} (after off-loading) for p = 40 bar									
		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	
10 ⁰	6	6	6	6	6	6	6			6	
10 ⁻¹	11		6	6	6	6	6			6	
10 ⁻²	20		20	9	6	6	6			6	
10 ⁻³	42				32	20	15			6	
10 ⁻⁴	72					63	47			22	
10 ⁻⁵	106									57	
10 ⁻⁶	135									108	
10 ⁻⁷	160									159	
10 ⁻⁸											

Leakage - ambient temperature / inner pressure = 40 bar



Note: the content of darkened cells was not determined respectively is unnecessary

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Center of Sealing Technologies, Bürgerkamp 3, 48565 Steinfurt, Germany

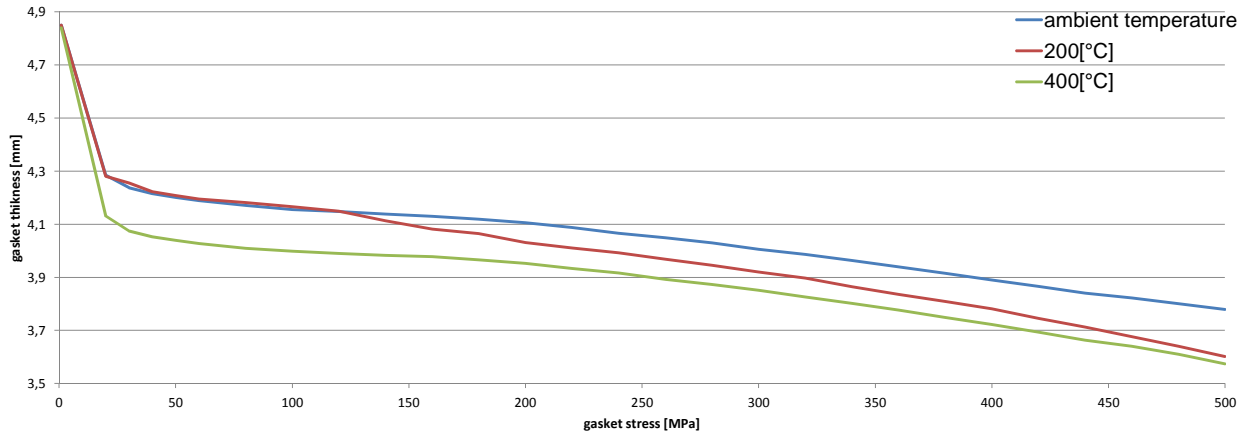
Company Address	EagleBurgmann Germany GmbH & Co. KG Äussere Sauerlacher-Str. 6-10, 82515 Wolfratshausen/Germany
Gasket Type	Kammprofil Dichtung 9598/P
Sealing element dimensions [mm]	68 x 53 x 5

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm				
Gasket stress [MPa]	ambient temperature	temperature 1 [200 °C]	temperature 2 [400 °C]	
Stress level 1 [50 MPa]	0,98	0,96	0,36	
Stress level 2 [100 MPa]	0,99	0,92	0,55	
PQR at Q_{Smax}	0,99 at 500 MPa	0,94 at 500 MPa	0,87 at 500 MPa	

Maximal applicable gasket stress Q_{Smax}			
Q_{Smax} [MPa] ambient temperature	Q_{Smax} [MPa] – temperature 1 [200 °C]	Q_{Smax} [MPa] – temperature 2 [400 °C]	
500	500	500	

Sekant unloading modulus of the gasket E_G [MPa] and gasket thickness e_G [mm]						
Gasket stress [MPa]	ambient temperature		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]
0		4,974		4,950		4,947
1		4,850		4,850		4,840
20	5027	4,285	8310	4,280	8031	4,131
30	7951	4,237	11959	4,255	15341	4,074
40	18614	4,215	18371	4,223	43347	4,053
50	20546	4,201	30161	4,208	53402	4,039
60	22445	4,189	47821	4,195	53602	4,027
80	24349	4,170	40741	4,182	43241	4,009
100	26341	4,155	33325	4,166	54697	3,999
120	33441	4,147	41103	4,149	67708	3,990
140	43428	4,139	54965	4,113	69958	3,983
160	44137	4,130	47256	4,082	72208	3,977
180	40594	4,119	55721	4,065	74458	3,966
200	44911	4,106	30133	4,030	76708	3,953
220	47851	4,088	29636	4,011	78958	3,933
240	50791	4,065	35695	3,993	81208	3,917
260	53731	4,049	36313	3,968	83449	3,892
280	56666	4,030	48191	3,945	86334	3,873
300	44653	4,006	44975	3,920	89219	3,851
320	52665	3,986	62955	3,897	92104	3,826
340	67474	3,963	46616	3,865	94992	3,802
360	59360	3,939	45115	3,836	94967	3,776
380	59133	3,915	62490	3,809	90336	3,749
400	57958	3,890	78113	3,782	91087	3,723
420	61255	3,865	64442	3,745	77322	3,693
440	57349	3,841	61114	3,713	66376	3,663
460	79116	3,822	82569	3,677	91367	3,640
480	92602	3,801	69724	3,641	142187	3,610
500	90037	3,779	105151	3,601	65059	3,574

Gasket thickness e_G



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