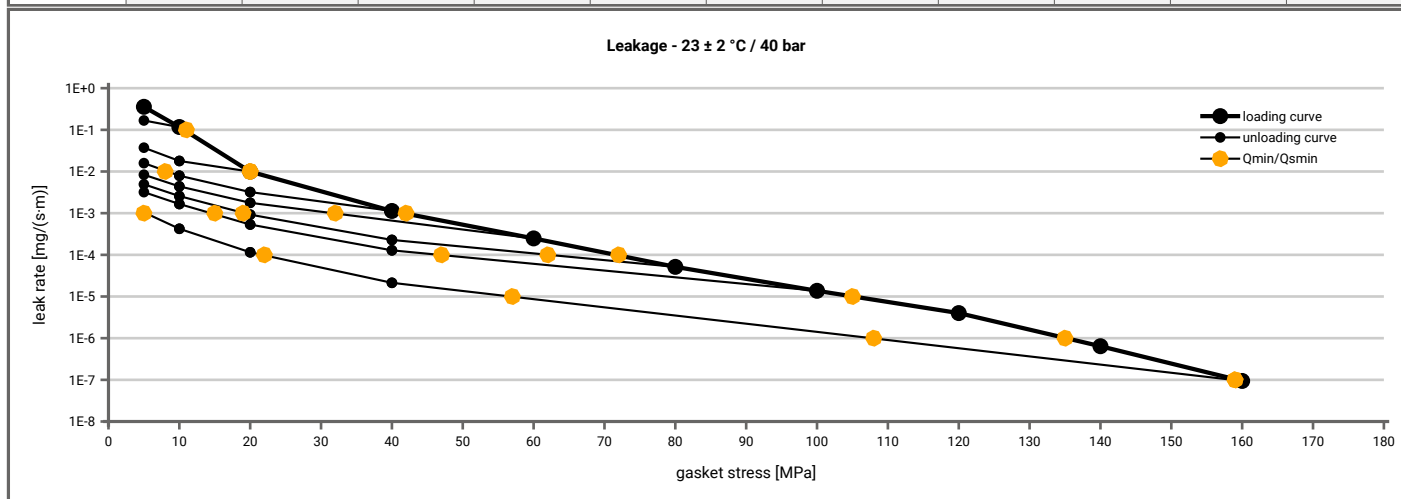


Manufacturer address	EagleBurgmann Germany GmbH & Co KG, Äußere Sauerlacher Straße 6-10, 82515 Wolfratshausen, DE	According to DIN EN 13555 2005-2
Product name	Kammprofil Dichtung 9598/P	
Product dimensions	68 x 53 x 5 mm (DIN EN 1514-1 1997-8)	

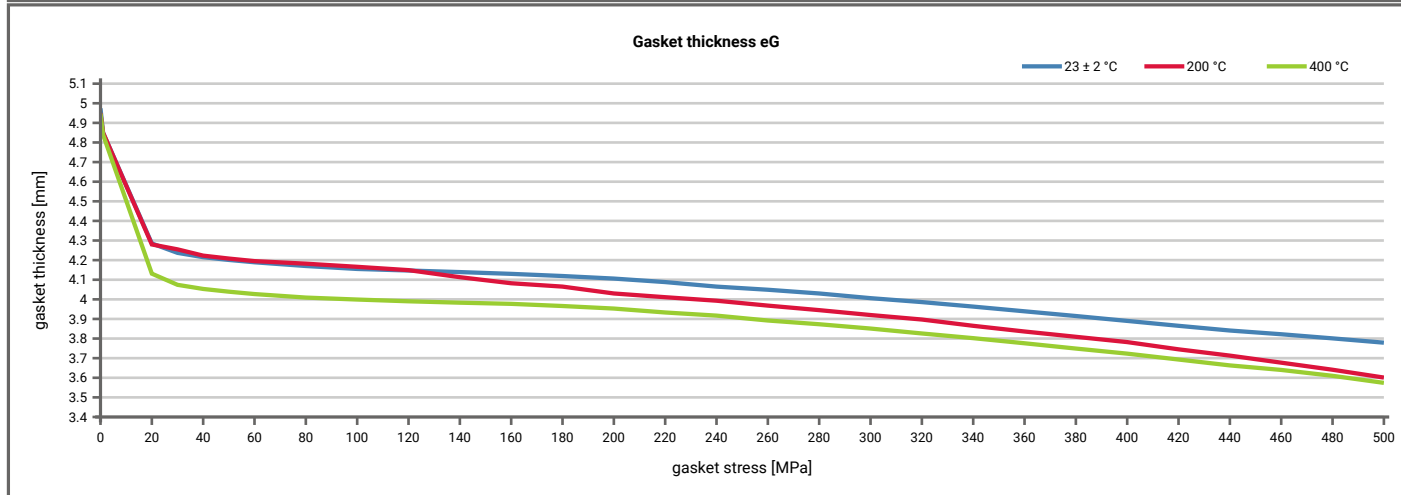
Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ($T = 23 \pm 2$ °C)											
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		$Q_A = 5.6$ [MPa]	$Q_A = 11$ [MPa]	$Q_A = 21$ [MPa]	$Q_A = 41$ [MPa]	$Q_A = 61$ [MPa]	$Q_A = 81$ [MPa]	$Q_A = 101$ [MPa]	$Q_A = 121$ [MPa]	$Q_A = 141$ [MPa]	$Q_A = 161$ [MPa]
1E-0	6		6	6	6	6	6	6			6
1E-1	11			6	6	6	6	6			6
1E-2	20			20	9	6	6	6			6
1E-3	42					32	20	15			6
1E-4	72						63	47			22
1E-5	106										57
1E-6	136										108
1E-7	160										159
1E-8											



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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 [50 MPa]	0.98	3	0.96	6	0.36	91				
Stress level 2 [100 MPa]	0.99	4	0.92	24	0.55	128				
P_{QR} and Δe_{Gc} at maximum gasket stress to be applied (Q_{smax})										
P_{QR} at Q_{smax}	0.99	14	0.94	93	0.87	185				
Q_{smax}	500 MPa		500 MPa		500 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	4.974	0	4.950	0	4.947				
1	0	4.850	0	4.850	0	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				



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