

Company Address	Teadit International Produktions GmbH, Rosenheimer Straße 10, A-6330 Kufstein
Gasket Type	24 SH
Thickness e_{G0} [mm]	3

Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for $p = 40$ bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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}	12	10	10	10	10	10			10
10^{-1}	20	18	10	10	10	10			10
10^{-2}	26		10	10	10	10			10
10^{-3}	32		10	10	10	10			10
10^{-4}	39		19	10	10	10			16
10^{-5}	63				32	20			28
10^{-6}	139								153
10^{-7}									
10^{-8}									

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm						
Gasket stress [MPa]	ambient temperature		temperature 1 [100 °C]		temperature 2 [250 °C]	
Stress level 1 [MPa]	0,87	30 MPA	0,51	30 MPA	0,25	30 MPA
Stress level 2 [MPa]	0,86	140 MPA	0,5	60 MPA	0,27	50 MPA
Q_{Smax} [MPa]	0,88	200 MPA	0,46	100 MPA	0,39	100 MPA

Maximal applicable gasket stress Q_{Smax}		
Q_{Smax} [MPa] – ambient temperature	Q_{Smax} [MPa] – temperature 1 [100 °C]	Q_{Smax} [MPa] – temperature 2 [250 °C]
200	160	80

Sekant unloading modulus of the gasket E_G [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [100 °C]	temperature 2 [250 °C]
20	490	523	475
30	858	1315	694
40	1114	1424	1000
50	1355	1891	1345
60	1472	2233	1389
80	2772	3436	1403
100	2616	3071	
120	2567	2332	
140	2498	1914	
160	2402	1844	
180	2355		
200	2229		
220			
240			

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

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