

Company Address	Teadit International Produktions GmbH, Rosenheimer Strasse 10, A-6330 Kufstein
Gasket Type	24 SH
Thickness e_{GO} [mm]	6

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	17	5	5	5	5	5			6
10^{-1}	24		5	5	5	5			7
10^{-2}	31		5	5	5	5			9
10^{-3}	37		18	6	5	6			10
10^{-4}	49			9	8	8			15
10^{-5}									
10^{-6}									
10^{-7}									
10^{-8}									

Relaxation ratio P_{QR} for stiffness $C = 500$ kN/mm			
Gasket stress [MPa]	ambient temperature	temperature 1 [150°C]	temperature 2 [230°C]
Stress level 1 [30 MPa]	0,77	0,34	0,24
Stress level 2 [100 MPa]	-	-	0,24
Q_{Smax} [150 MPa]	0,84	-	-

Maximal applicable gasket stress Q_{Smax}		
Q_{Smax} [MPa] – ambient temperature	Q_{Smax} [MPa] – temperature 1 [230°C]	Q_{Smax} [MPa] – temperature 2 [xx°C]
150	100	-

Sekant unloading modulus of the gasket E_G [MPa]			
Gasket stress [MPa]	ambient temperature	temperature 1 [230°C]	temperature 2 [xx°C]
20	551	531	-
30	946	777	-
40	1280	1128	-
50	1854	1972	-
60	1902	1711	-
80	2840	2202	-
100	2990	3274	-
120	3096	-	-
140	3560	-	-
160	3540	-	-
180	4713	-	-
200	5252	-	-
220	-	-	-
225	-	-	-

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

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