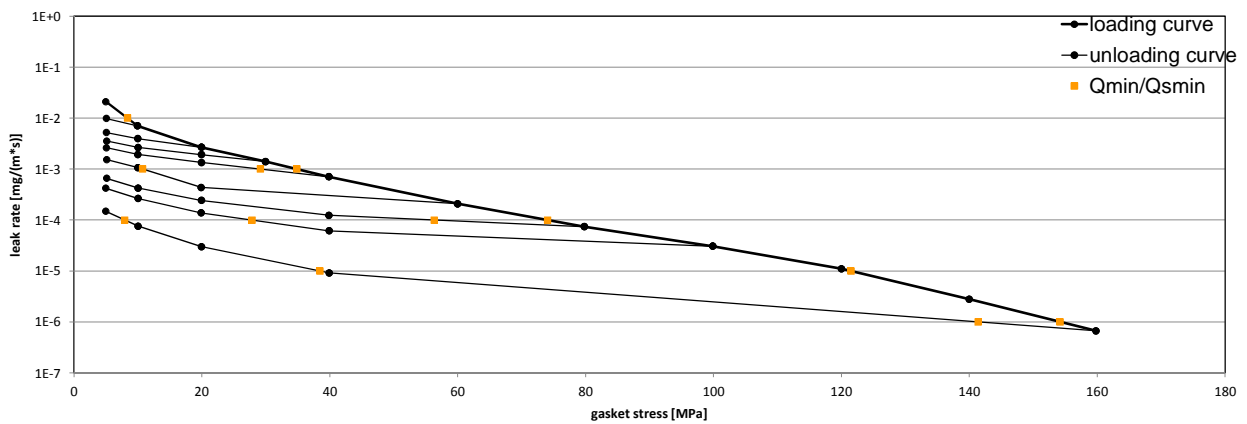


Company Address	IDT Industrie- und Dichtungstechnik GmbH, Adlerstraße 18, 45307 Essen, Germany
Gasket Type	IDT-SIGRAFLEX-Hochdruck Flachdichtung WS 3885-IB 1.4571 0,1 mm
Sealing element dimensions [mm]	92 x 49 x 2

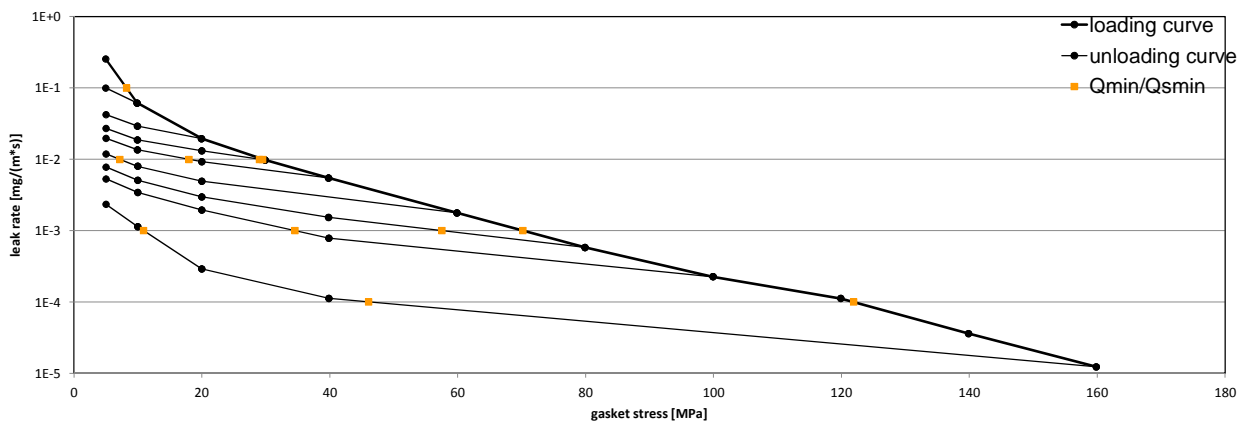
L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 10 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>0</sup>	5	5	5	5	5	5	5	5			5
10 <sup>-1</sup>	5	5	5	5	5	5	5	5			5
10 <sup>-2</sup>	8	5	5	5	5	5	5	5			5
10 <sup>-3</sup>	35				29	11		5			5
10 <sup>-4</sup>	74						56	28			8
10 <sup>-5</sup>	121										38
10 <sup>-6</sup>	154										141
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### Leakage - ambient temperature / inner pressure = 10 bar



L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 40 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 10 MPa	Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>0</sup>	5	5	5	5	5	5	5	5			5
10 <sup>-1</sup>	8	5	5	5	5	5	5	5			5
10 <sup>-2</sup>	30			29	18	7	5	5			5
10 <sup>-3</sup>	70						58	35			11
10 <sup>-4</sup>	122										46
10 <sup>-5</sup>											
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

### 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	IDT Industrie- und Dichtungstechnik GmbH, Adlerstraße 18, 45307 Essen, Germany
Gasket Type	IDT-SIGRAFLEX-Hochdruck Flachdichtung WS 3885-IB 1.4571 0,1 mm
Sealing element dimensions [mm]	92 x 49 x 2

L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 80 bar									
		Q <sub>Smin/L</sub> [MPa]									
		Q <sub>A</sub> = 20 MPa	Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa	
10 <sup>0</sup>	10	10	10	10	10	10	10			10	
10 <sup>-1</sup>	18	13	10	10	10	10	10			10	
10 <sup>-2</sup>	45				27	14	10			10	
10 <sup>-3</sup>	85						63			19	
10 <sup>-4</sup>	128									65	
10 <sup>-5</sup>											
10 <sup>-6</sup>											
10 <sup>-7</sup>											
10 <sup>-8</sup>											

