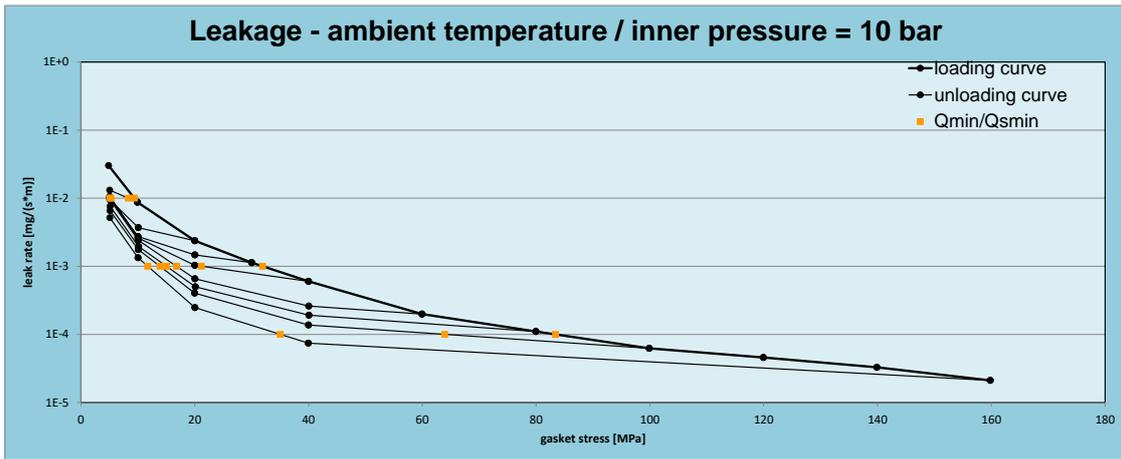
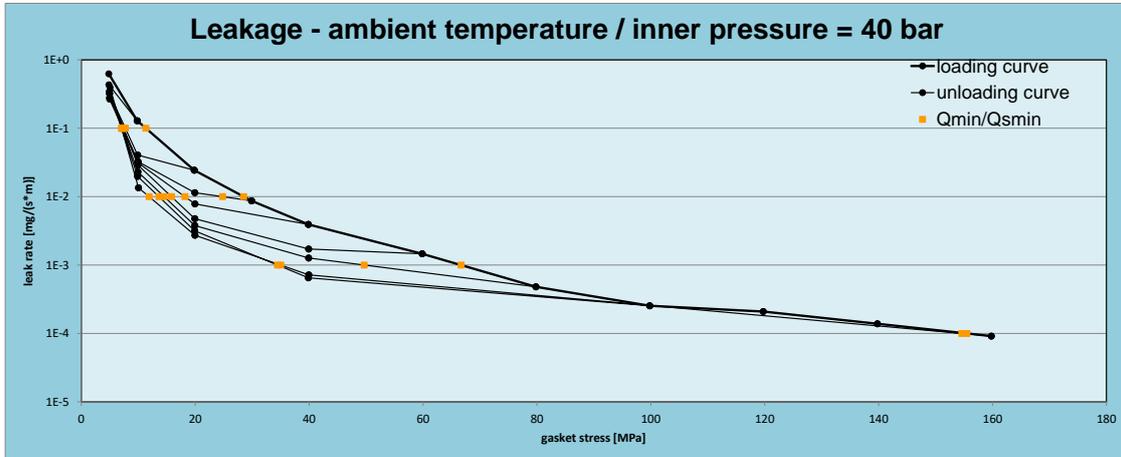


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerberg 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	IDT - Spiraldichtung mit Grafit-Füllstoff Außenring aus C-Stahl WS 1.4541 / Grafit-HC / C-Stahl beschichtet ; IDT-Profil SD10	
Sealing element dimensions [mm]	50x56x68x92x4,5	

		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 10 bar										
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [MPa]										
		$Q_A=10$ MPa	$Q_A=20$ MPa	$Q_A=30$ 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^{-9}	5	5	5	5	5	5	5	5	5	5	5	5
10^{-1}	5	5	5	5	5	5	5	5	5	5	5	5
10^{-2}	9	8	5	5	5	5	5	5	5	5	5	5
10^{-3}	32				21	17	15	14				12
10^{-4}	83							64				35
10^{-5}												
10^{-6}												
10^{-7}												
10^{-8}												

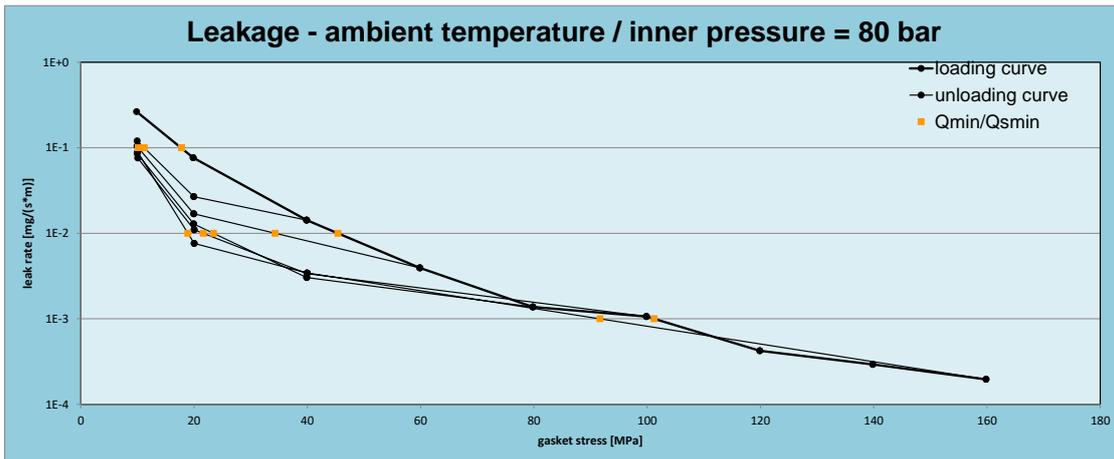


		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 40 bar										
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [MPa]										
		$Q_A=10$ MPa	$Q_A=20$ MPa	$Q_A=30$ MPa	$Q_A=40$ MPa	$Q_A=60$ MPa	$Q_A=80$ MPa	$Q_A=100$ MPa	$Q_A=120$ MPa	$Q_A=140$ MPa	$Q_A=160$ MPa	
10^{-9}	5	5	5	5	5	5	5	5	5	5	5	5
10^{-1}	11		8	7	7	7	7	7	7	7	7	7
10^{-2}	29			25	18	16	15	14				12
10^{-3}	67						50	34				35
10^{-4}	155											155
10^{-5}												
10^{-6}												
10^{-7}												
10^{-8}												

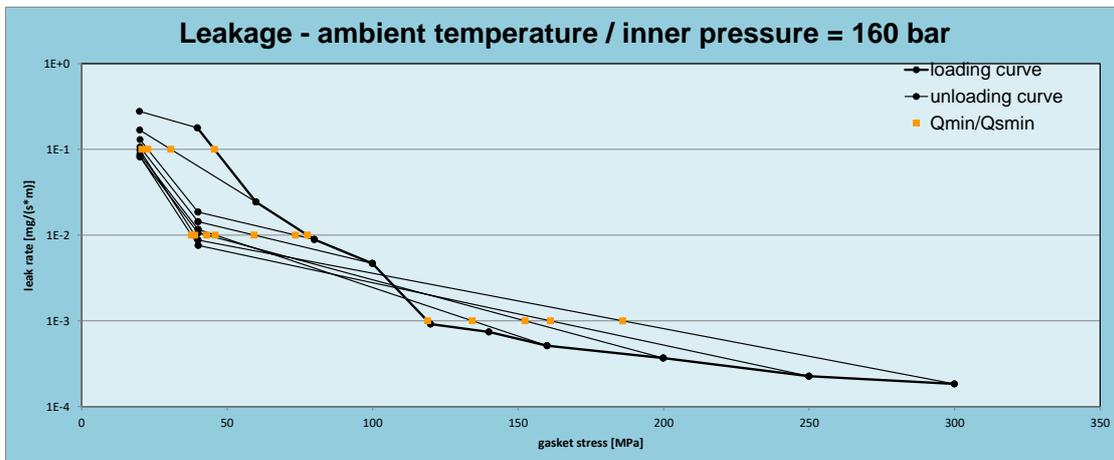


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerberg 6, 09456 Annaberg-Buchholz, Germany	According to DIN EN 13555 2014-07
Gasket Type	IDT - Spiraldichtung mit Grafit-Füllstoff Außenring aus C-Stahl WS 1.4541 / Grafit-HC / C-Stahl beschichtet ; IDT-Profil SD10	
Sealing element dimensions [mm]	50x56x68x92x4,5	

		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 80 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^{-9}	10		10	10	10	10				10	
10^{-1}	18		11	10	10	10				10	
10^{-2}	45			34	23	22				19	
10^{-3}	101									92	
10^{-4}											
10^{-5}											
10^{-6}											
10^{-7}											
10^{-8}											



		Minimum stress to seal $Q_{min/L}$ (at assembly), $Q_{Smin/L}$ (after off-loading) for p = 160 bar									
L [mg/(s*m)]	$Q_{min/L}$ [MPa]	$Q_{Smin/L}$ [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	$Q_A=200$ MPa	$Q_A=250$ MPa	$Q_A=300$ MPa
10^{-9}	40	20	20	20	20			20	20	20	20
10^{-1}	46		31	23	21			20	20	20	20
10^{-2}	78			73	59			46	43	38	39
10^{-3}	119							134	152	161	186
10^{-4}											
10^{-5}											
10^{-6}											
10^{-7}											
10^{-8}											



	Rev - No: 0	Creation date of this sheet: 2021-11-24
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