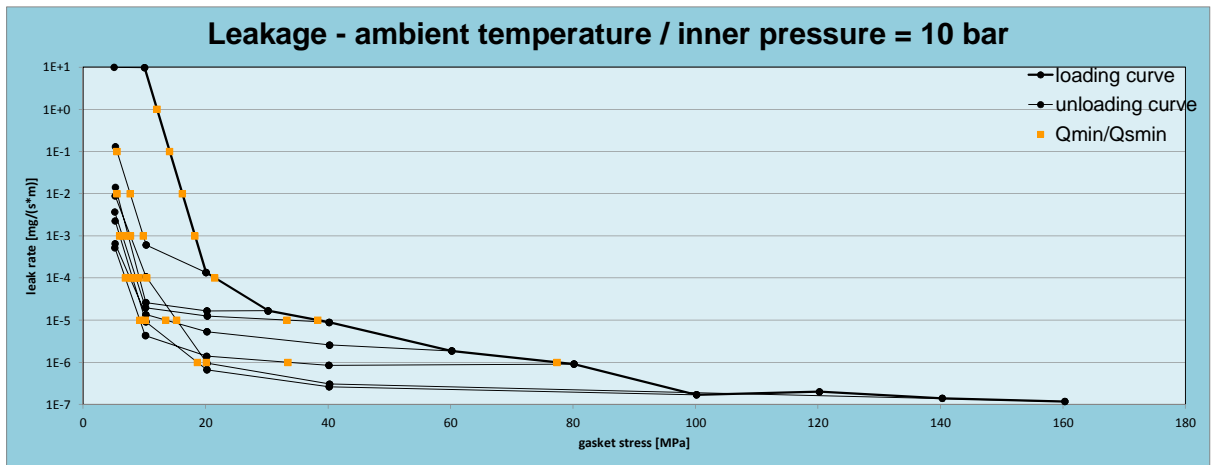
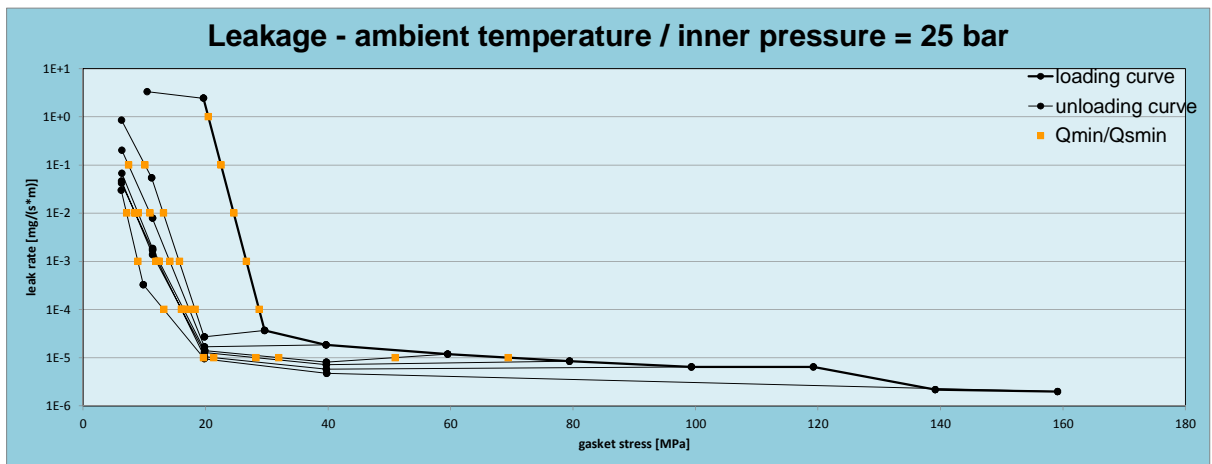


Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerberg 6, 09456 Annaberg-Buchholz, Germany	According to <b>DIN EN 13555</b> 2014-07
Gasket Type	IDT – Spiral-wound gasket with PTFE filler; WS 1.4541/7110/St33 coated; IDT style SD10; LE	
Sealing element dimensions [mm]	50x56x68x92x4.9	

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> = 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>	12	5	5	5	5	5	5			5	
10 <sup>-1</sup>	14	6	5	5	5	5	5			5	
10 <sup>-2</sup>	16	8	6	5	5	5	5			5	
10 <sup>-3</sup>	18	10	7	6	5	5	6			8	
10 <sup>-4</sup>	21		9	9	8	7	8			10	
10 <sup>-5</sup>	38			33	13	9	10			15	
10 <sup>-6</sup>	77					33	19			20	
10 <sup>-7</sup>											
10 <sup>-8</sup>											

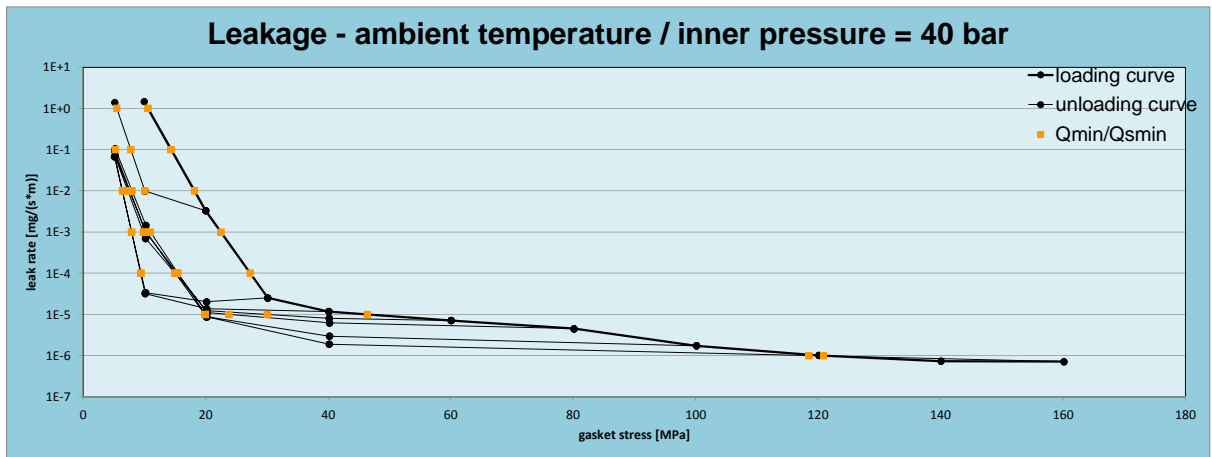


L [mg/(s*m)]	Q <sub>min/L</sub> [MPa]	Minimum stress to seal Q <sub>min/L</sub> (at assembly), Q <sub>Smin/L</sub> (after off-loading) for p = 25 bar							
		Q <sub>Smin/L</sub> [MPa]							
		Q <sub>A</sub> = 30 MPa	Q <sub>A</sub> = 40 MPa	Q <sub>A</sub> = 60 MPa	Q <sub>A</sub> = 80 MPa	Q <sub>A</sub> = 100 MPa	Q <sub>A</sub> = 120 MPa	Q <sub>A</sub> = 140 MPa	Q <sub>A</sub> = 160 MPa
10 <sup>-0</sup>	20	5	5	5	5	5		5	
10 <sup>-1</sup>	23	10	7	5	5	5		5	
10 <sup>-2</sup>	25	13	11	9	8	9		7	
10 <sup>-3</sup>	27	16	14	12	12	12		9	
10 <sup>-4</sup>	29	18	17	16	16	16		13	
10 <sup>-5</sup>	69			51	28	21		20	
10 <sup>-6</sup>									
10 <sup>-7</sup>									
10 <sup>-8</sup>									



Company Address	IDT Industrie- und Dichtungstechnik GmbH Werk Kupferring, Gewerbering 6, 09456 Annaberg-Buchholz, Germany	According to <b>DIN EN 13555</b> 2014-07
Gasket Type	IDT – Spiral-wound gasket with PTFE filler; WS 1.4541/7110/St33 coated; IDT style SD10; LE	
Sealing element dimensions [mm]	50x56x68x92x4.9	

		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	$Q_A=30$ 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		
$10^{-0}$	11	6	5	5	5	5	5	5			5	
$10^{-1}$	14	8	5	5	5	5	5				5	
$10^{-2}$	18	10	6	6	7	8	8				8	
$10^{-3}$	23		8	8	10	10	11				10	
$10^{-4}$	27		9	9	15	15	15				15	
$10^{-5}$	46				30	24	20				20	
$10^{-6}$	121										119	
$10^{-7}$												
$10^{-8}$												



		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]										
		$Q_A=40$ 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				
$10^{-0}$	23	10	10	10	10					10		
$10^{-1}$	27	12	10	10	11					12		
$10^{-2}$	31	16	13	13	14					17		
$10^{-3}$	36	23	16	16	16					23		
$10^{-4}$	40	39	20	19	19					31		
$10^{-5}$	86				37					39		
$10^{-6}$												
$10^{-7}$												
$10^{-8}$												

