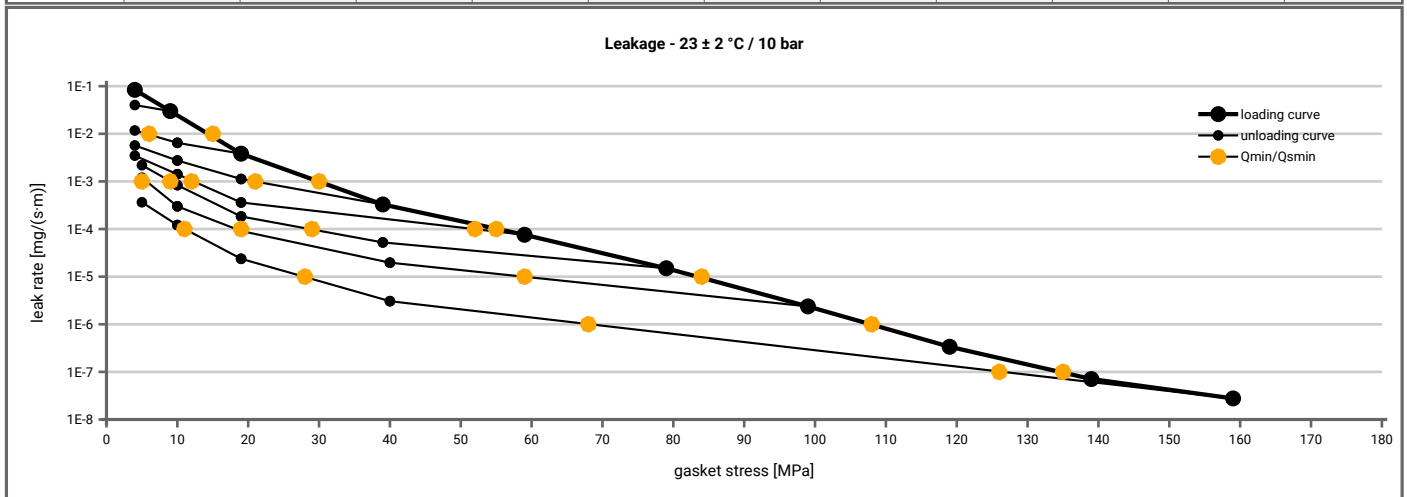
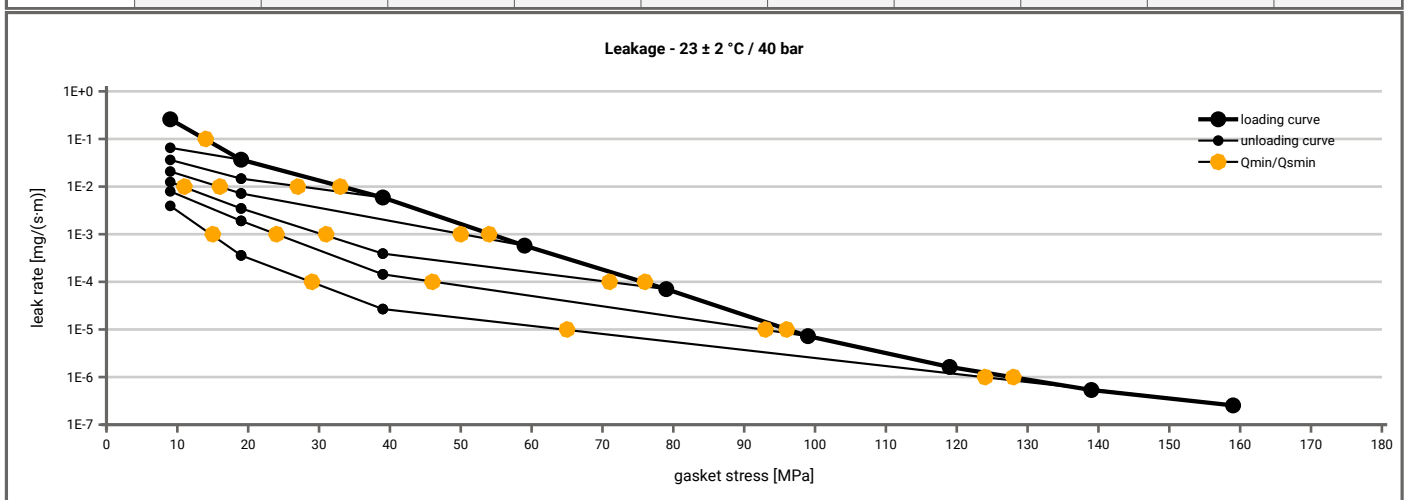


<b>Manufacturer address</b>	KLINGER Kempchen GmbH, Im Waldteich 21, 46147 Oberhausen, DE	According to <b>DIN EN 13555</b> <b>2005-2</b>
<b>Product name</b>	B25A / B27A / B29A - Graphite with/without inner eyelet (1.4541 / 0,5 mm; D = 1,0g/ccm)	
<b>Product dimensions</b>	69 x 53 x 4.9 mm (DIN EN 1514-6 2004-3)	

Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 10$ bar ( $T = 23 \pm 2$ °C)											
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]									
		$Q_A = 4.8$ [MPa]	$Q_A = 10$ [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]
1E-0	5		5	5	5	5	5	5			5
1E-1	5		5	5	5	5	5	5			5
1E-2	15			6	5	5	5	5			5
1E-3	31				22	13	9	6			5
1E-4	56					53	30	19			11
1E-5	84							59			28
1E-6	108										68
1E-7	135										127
1E-8											



Minimum stress to seal $Q_{min(L)}$ (at assembly), $Q_{smin(L)}$ (after off-loading) for $p = 40$ bar ( $T = 23 \pm 2$ °C)										
L [mg/(s·m)]	$Q_{min(L)}$ [MPa]	$Q_{smin(L)}$ [MPa]								
		$Q_A = 9.4$ [MPa]	$Q_A = 19$ [MPa]	$Q_A = 39$ [MPa]	$Q_A = 59$ [MPa]	$Q_A = 79$ [MPa]	$Q_A = 100$ [MPa]	$Q_A = 119$ [MPa]	$Q_A = 139$ [MPa]	$Q_A = 159$ [MPa]
1E-0	9			10	10	10	10	10		10
1E-1	14			10	10	10	10	10		10
1E-2	34				28	16	11	10		10
1E-3	55					51	31	25		15
1E-4	76						71	47		29
1E-5	97							93		65
1E-6	128									124
1E-7										

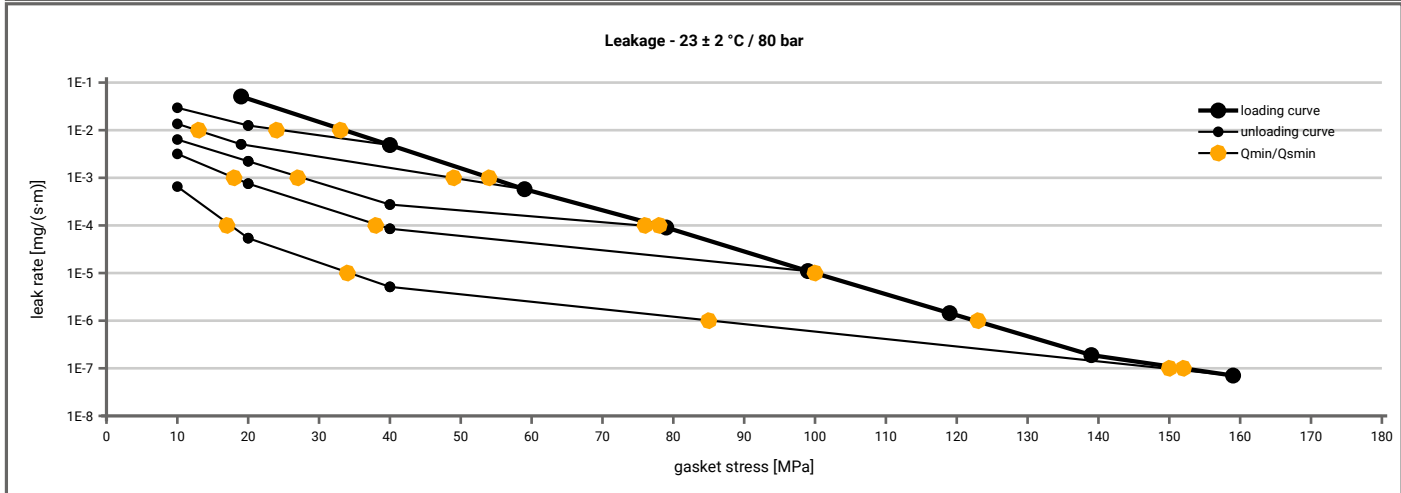


Note: the content of darkened cells was not determined respectively is unnecessary Rev.-No.: 2 Creation date of this sheet: 2025-06-16

<b>Manufacturer address</b>	KLINGER Kempchen GmbH, Im Waldteich 21, 46147 Oberhausen, DE	According to <b>DIN EN 13555</b> <b>2005-2</b>
<b>Product name</b>	B25A / B27A / B29A - Graphite with/without inner eyelet (1.4541 / 0,5 mm; D = 1,0g/ccm)	
<b>Product dimensions</b>	69 x 53 x 4.9 mm (DIN EN 1514-6 2004-3)	

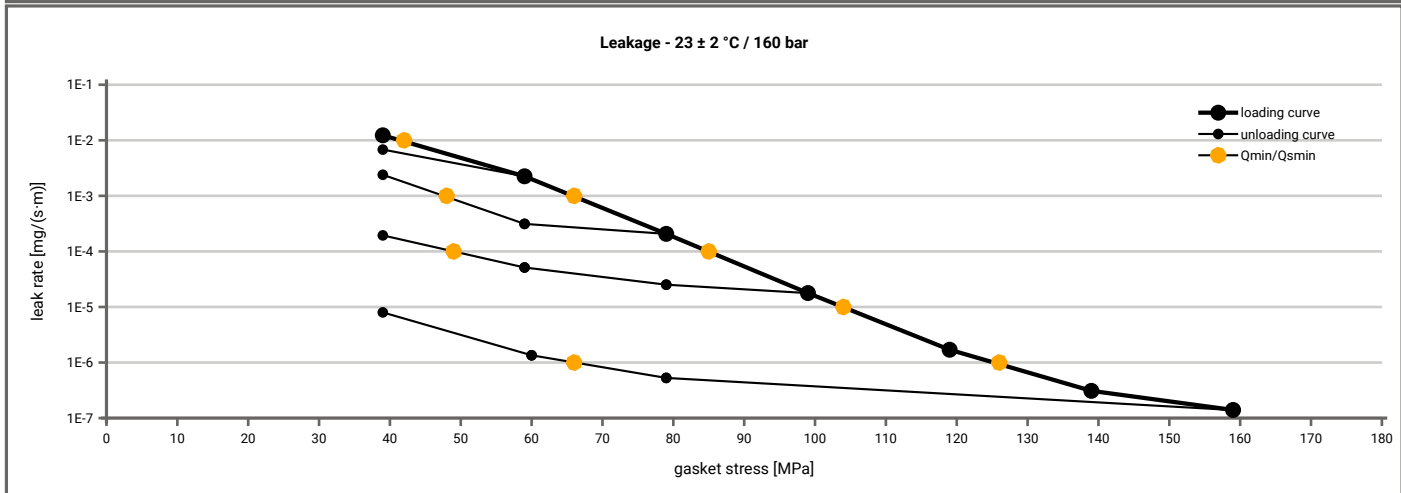
Minimum stress to seal  $Q_{min(L)}$  (at assembly),  $Q_{smin(L)}$  (after off-loading) for  $p = 80$  bar ( $T = 23 \pm 2$  °C)

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]
1E-0	20		10	10	10	10			10
1E-1	20		10	10	10	10			10
1E-2	34		25	13	10	10			10
1E-3	55			50	28	18			10
1E-4	79				76	39			18
1E-5	101								34
1E-6	123								86
1E-7	153								150
1E-8									



Minimum stress to seal  $Q_{min(L)}$  (at assembly),  $Q_{smin(L)}$  (after off-loading) for  $p = 160$  bar ( $T = 23 \pm 2$  °C)

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]
1E-0	40		40	40	40			40
1E-1	40		40	40	40			40
1E-2	42		40	40	40			40
1E-3	67			48	40			40
1E-4	86				50			40
1E-5	105							40
1E-6	126							66
1E-7								



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

Rev.-No.: 2

Creation date of this sheet: 2025-06-16

