



The measurement »b«, which is the width of the O-Ring groove, has to be larger than the deformed O-Ring. Depending upon application the groove may be open on one side. However, the pressure applied to the medium to be sealed must have full access to the O-Ring. The surfaces of the groove and the opposed surfaces should have more or less rounded processing traces to permit peak-to-valley-heights of  $44 - 25 \mu\text{m}$ .

#### Groove sizes

##### Static application

$d_2$	$t$	$b$
1	0,8	1,3
1,5	1,1	1,9
1,6	1,2	2,1
1,78	1,3	2,3
1,9	1,4	2,4
2	1,5	2,6
2,4	1,8	3,1
2,5	1,9	3,2
2,62	2,0	3,4
2,7	2,1	3,5
3	2,3	3,9
3,5	2,7	4,5
3,53	2,7	4,5
3,6	2,8	4,7
4	3,15	5,2
4,5	3,6	5,8

$d_2$	$t$	$b$
5	4	6,5
5,33	4,3	6,9
5,5	4,5	7,1
5,7	4,65	7,4
6	4,95	7,8
6,5	5,4	8,4
6,99	5,85	9,1
7	5,85	9,1
7,5	6,3	9,7
8	6,75	10,4
8,4	7,15	10,9
8,5	7,25	11,0
9	7,7	11,7
9,5	8,2	12,3
10	8,65	13

In case of applying back-up rings the width of groove »b« is increased by the width of the back-up ring resp. in case of support on either side by the double width of the back-up ring.