

Chamfered stub ends for installing butterfly valves in PE and PP pipelines

When installing butterfly valves (intermediate flange valves) in plastic piping systems, make sure that the inner diameter of the pipe allows the butterfly disk to open completely.

If this is not the case, suitable measures must be taken to ensure that the butterfly disk can move freely. These can be:

- Funnel-shaped chamfer of the connecting flange (standard solution) – picture 1
- Use of special flanges / coupling flange (enables the use of a smaller valve by changing dimension and saves costs, but is only possible in the planning phase)
- Use of exit aids (in special case)
- Use of spacer rings (only if other options do not apply)

Funnel-shaped chamfer of stub ends made of PE and PP

Aliaxis Deutschland refers to the following types of valves to chamfer the stub ends (see table 1 and pictures 2, 3):

The item extension A1 applies to: **FIP FE & FK** as well as Ebro Z 011, Desponia, Aquaria

The item extension A2 applies to KSB Boax SF

table 1

DN	de	SDR 17 s	SDR 11 s	SDR 17 di	SDR 11 di
40	50	3,0	4,6		
50	63	3,8	5,8		
65	75	4,5	6,8		
80	90	5,4	8,2		
100	110	6,6	10,0		
100	125	7,4	11,4		
125	140	8,3	12,7		
150	160	9,5	14,6		
150	180	10,7	16,4		
200	200	11,9	18,2		
200	225	13,4	20,5		
250	250	14,8	22,7		
250	280	16,6	25,4		
300	315	18,7	28,6		
350	355	21,1	32,2		
400	400	23,7	36,3		
500	450	26,7	40,9		①
500	500	29,7	45,4		

 must be chamfered

① DN 400 valve with special flange connection da 450/DN 400 recommended (rotation of SDR 11 to DN 400), or with spacer ring

Item code

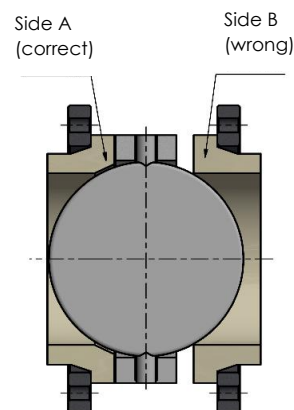
The item code of the initial stub end is extended by A1 or A2 for the chamfered version.

example: 473102511A1 – PE 100 VB da 315 mm SDR 11, short, chamfered for FK butterfly valve

picture 1



picture 2



picture 3

