

## Wall ducts

### Product information

Today, planning buildings and structures represents a major engineering challenge, especially when intelligent solutions are required. Aliaxis Deutschland offers various high-quality solutions for the related piping technology, e. g. drainage pipes made of PE according to DIN EN 1519 or pressured pipes made of PE, PP or PVC-U according to DIN EN ISO 15493 and 15494.

In addition, we also offer products that reliably guide pipes through walls and at the same time protect against the effects and stresses of water on the penetration opening. The basic connection concept is the flange connection in a wall crossing. Aliaxis Deutschland has decades of experience and deliver wall and pool inserts especially adapted to each project. Our certified specialist personnel manufacture according to DVS and highest quality standards according to DIN EN ISO 9001.

### Overview of the advantages of wall ducts

- Sealing against soil moisture, non-pressing and pressing water with MPA-proofed rubber puddle flange (up to 315 mm 5 bar, from 355 mm to 1200 mm 4 bar)
- The wall duct acts as a fixed point due to its high pull-out strength
- Connected pipes can be easily removed by disassemble the flange connection (advantage for cleaning, renewal or inspection, no need to cut off pipe in front of the wall)
- No interruption of the material selection or targeted material change in the pipe line
- Installation flush with concrete formwork is possible when concreting walls
- Our wall ducts made of PE, PVC-U and PP comply with the KTW guideline and are therefore suitable for potable water (please always specify this requirement when making requests and orders!)

Please consider the dimensions on our data sheets. Design versions may differ from the standard due to the availability of semi-finished products from certain dimensions and can only be manufactured in accordance with the relevant standard or directive. This has been defined by us as following:

- Base pipe PE100: up to da 630 mm in SDR 17 - larger dimensions in SDR 33
- Plug-in-dowels - largest dimension M 24 (flange connection dimension from DN 600)
- Plug-in-dowels SS galvanized - largest dimension M 30 (flange connection dimension from DN 1000)

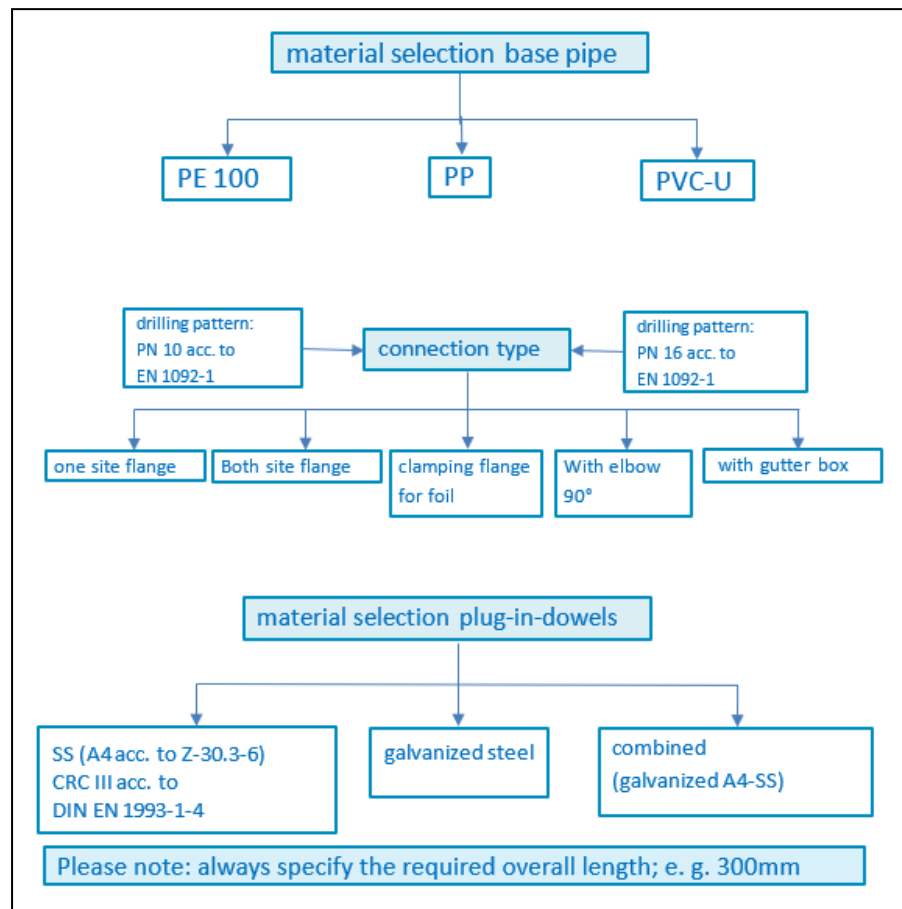
Customer-specific requests are possible after consultation with our Technical Sales Team.

**We are happy to realize your individual customer request.**

## Design versions

table 1

No.	Outer pipe diameter	Flange
1	32	25
2	40	32
3	50	40
4	63	50
5	75	65
6	90	80
7	110	100
8	125	100
9	125	125
10	140	125
11	160	150
12	180	150
13	200	200
14	225	200
15	250	250
16	280	250
17	315	300
18	355	300
19	355	350
20	400	350
21	400	400
22	450	400
23	450	500
24	500	500
25	560	500
26	560	600
27	630	600
28	710	700
29	800	800
30	900	900
31	1000	1000
32	1200	1200



Please refer to our assembly instructions for the installation of wall and pool ducts, available for download on our homepage.

picture 1

