

PRODUCT SPECIFICATION SHEET

Tegra 425 PP

Inspection chamber according to DIN EN 13598-2

Application area:

Inspection chamber for municipal and domestic drainage for foul- and rainwater systems. Tegra 425 PP can be installed in heavy traffic area according to LM 1 (DIN EN 1991-2/NA), former SLW 60. Fulfills the specifications of WHG §60 and §61. Applicable in drinkingwater areas II and III (DWA-A 142). Smooth wall pipe systems according to DIN EN 1401, 1852, 14758, 13476-2, X-Stream pipes according to DIN EN 13476-3 can be connected directly. Installation depths up to 6.0m, in groundwater max. 5.0m possible. Tegra 425 PP is equipped with an integrated flexible ball joints to adjust change in directions and gradients.

Product specifications:

- ⊕ Inside diameter: DN/ID 425
- ⊕ Flow profile: straight, bend, branch (see technical manual)
- ⊕ Connection dimensions: DN/OD 160, 200, 250, 315
- ⊕ Connection: socket for smooth wall pipes, with flexible ball joint infinitely adjustable up to 15°
- ⊕ Shaft pipe: corrugated
- ⊕ Cover: depends on type of traffic, directly or with telescope; A 15, B 125, D 400 according to DIN EN 124
- ⊕ Support covers: two-piece plastic support ring set according to the load class for covers B 125 and D 400; on-site if required separable for subsequent assembly
- ⊕ Material: base, shaft pipe, cover A 15, telescope machette polypropylene (PP); telescope pipe (PVC-U), cover B 125 and D 400 cast iron
- ⊕ Color: base black, shaft pipe red brown
- ⊕ Standards: following to DIN EN 13598-2 and DIN EN 752
- ⊕ Connections: push fit system
- ⊕ Seal material: according to DIN EN 681-1, SBR and EPDM
- ⊕ Leak tightness requirement: pressure test 2.5 bar
- ⊕ Lifetime: up to 100 years
- ⊕ Installation depth: max. 6.0m, in ground water max. 5.0m

Installation conditions:

- ⊕ Installation has to be done in line with DIN EN 1610
- ⊕ Compaction pending on traffic area between 95% (non-traffic area) and 98% (heavy traffic area)
- ⊕ Basement on bedding material according DIN EN 1610, no concrete needed
- ⊕ Min backfill around the base and shaft DN/2
- ⊕ Protection against floating up to 5.0m by full compaction



Flexible ball joint is infinitely adjustable up to 15°

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System specifications:

General	Diameter inside	DN/ID425
	Material	PP
	Manhole	no
Construction	System	push fit system
	Chamber outside/inside	ribbed/smooth
	Base outside/inside	ribbed/smooth
Shaft pipe outside/inside	ribbed/smooth	
Connection / Seals	Flexible ball joint	DN/OD160 – DN/OD315
	Pipe connections	EPDM (ball joint socket)
	Shaft connections	EPDM
	Cover	EPDM
	Telescope / Telescope manchette	SBR
Static	Max. installation depth	6,00 m
	Max. installation depth in groundwater	5,00 m
	Traffic load	LM 1 according to DIN EN 1991-2/NA, rather: SLW60 according to DIN 1072
	Cover classes	A 15 – D 400
Approvals and relevant standards	Product standard	DIN EN 13598-2
	Seal	DIN EN 681
	Cover	DIN EN 124
	Application standard	DIN EN 476 DIN EN 752 DIN 1986
	Installation	DIN EN 1610
	Guidelines	ATV-DVWK-A 142 DWA-A 110 DVS 2207-4

System components:

