

SX 400

Inspection and cleaning opening according to DIN EN 13598-2

Application area:

Inspection and cleaning opening for property drainage as boarder inspection chamber and in municipal drainage as an inspection and cleaning opening. Can be used in heavy traffic, depending on the cover up to LM 1 (DIN EN 1991-2/NA) former SLW60. Fulfills the specifications of WHG § 60 and § 61. Direct connection to all smooth wall pipe systems according to DIN EN 1401, 1852, 14758, 13476-2 possible.

Product specifications:

- ⊕ Shaft diameter: DN/OD 400
- ⊕ Shaft profile: smooth
- ⊕ Flow profile: Typ G = straight flow; Typ RML = 3 inlets, 1 outlet
- ⊕ Connection dimensions: DN/OD 110, 160, 200
- ⊕ Connection: inlets and outlets with sockets according to DIN EN 1401
- ⊕ Cover: depends on type of traffic, directly or with telescope cover DN/OD 315; A 15, B 125, D 400 gemäß 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, cover A 15 Polypropylen (PP); shaft pipe, telescopic pipe Polyvinyl chloride (PVC-U); cover B 125 und D 400 cast iron
- ⊕ Color: black
- ⊕ Standards: DIN EN 13598-2, DIN EN 752 and DIN 1986-3
- ⊕ Connections: push fit system
- ⊕ Seal material: according to DIN EN 681-1, SBR
- ⊕ Leak tightness requirement: pressure test 0.5 bar
- ⊕ 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



SX 400

System specifications:

General	Diameter inside	DN/OD400	
	Material	base	PP
		shaft pipe/ telescopic pipe	PVC-U
Manhole	no		
Construction	System	push fit system	
	Base	no bottomplate	
	Bottom	outside/inside	smooth/smooth
		Shaft pipe	outside/inside
	Cone	outside/inside	smooth/smooth
		Telescope	outside/inside
Connection / Seals	Fixed socket	DN/OD160–DN/OD200	
	Pipe connections	SBR, NBR (on site)	
	Shaft connections	SBR	
	Telescope/cover	SBR	
Static	Min. / max. installation depth	6.00 m	
	Max. installation depth in groundwater	5.00 m	
	Traffic load	LM1 according to DIN EN 1991-2/NA, rather: SLW60 according to DIN 1072	
Cover classes	A15 – D400		
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	DWA-A 110	

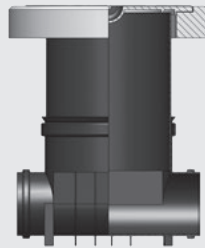
Installation matrix:



Installation depth (m) for telescopic cover B 125 and D 400

Connection	DN/OD	DN/OD	DN/OD
Shaft pipe	110	160	200
500	0.71-1.14	0.76-1.19	0.80-1.23
800	1.01-1.44	1.06-1.49	1.10-1.53
1000	1.21-1.64	1.26-1.69	1.30-1.73
1250	1.46-1.89	1.51-1.94	1.55-1.98
1500	1.71-2.14	1.76-2.19	1.80-2.23
2000	2.21-2.64	2.26-2.69	2.30-2.73
Min. installation depth*	0.40	0.46	0.51

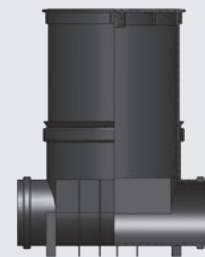
* The minimum installation depth results from shortening the shaft pipe and, if necessary of the telescopic pipe with a 20 mm settlement gap between the shaft pipe and cover. Intermediate sizes are possible by shortening; larger installation depths by longer shaft pipes are possible. The minimum insertion aid of the telescopic tube of 100 mm must be observed.



Installation depth (m) for combi cover B 125 round

Connection	DN/OD	DN/OD	DN/OD
Shaft pipe	110	160	200
500	0.64-0.69	0.69-0.74	0.73-0.78
800	0.94-0.99	0.99-1.04	1.03-1.08
1000	1.14-1.19	1.19-1.24	1.23-1.28
1250	1.39-1.44	1.44-1.49	1.48-1.53
1500	1.64-1.69	1.69-1.74	1.73-1.78
2000	2.14-2.19	2.19-2.24	2.23-2.28
Min. installation depth*	0.42	0.48	0.53

* The minimum installation depth is obtained by shortening the shaft pipe and observing the following the minimum settlement gap of 20 mm between shaft pipe and cover.



Installation depth (m) for cover A 15 DN 400 (cast iron/PP)

Connection	DN/OD	DN/OD	DN/OD
Shaft pipe	110	160	200
500	0.62	0.67	0.71
800	0.92	0.97	1.01
1000	1.12	1.17	1.21
1250	1.37	1.42	1.46
1500	1.62	1.67	1.71
2000	2.12	2.17	2.21
Min. installation depth*	0.35	0.41	0.45

* The minimum installation depth results from shortening the shaft pipe and direct installation of the cover A 15 (cast iron/PP).

