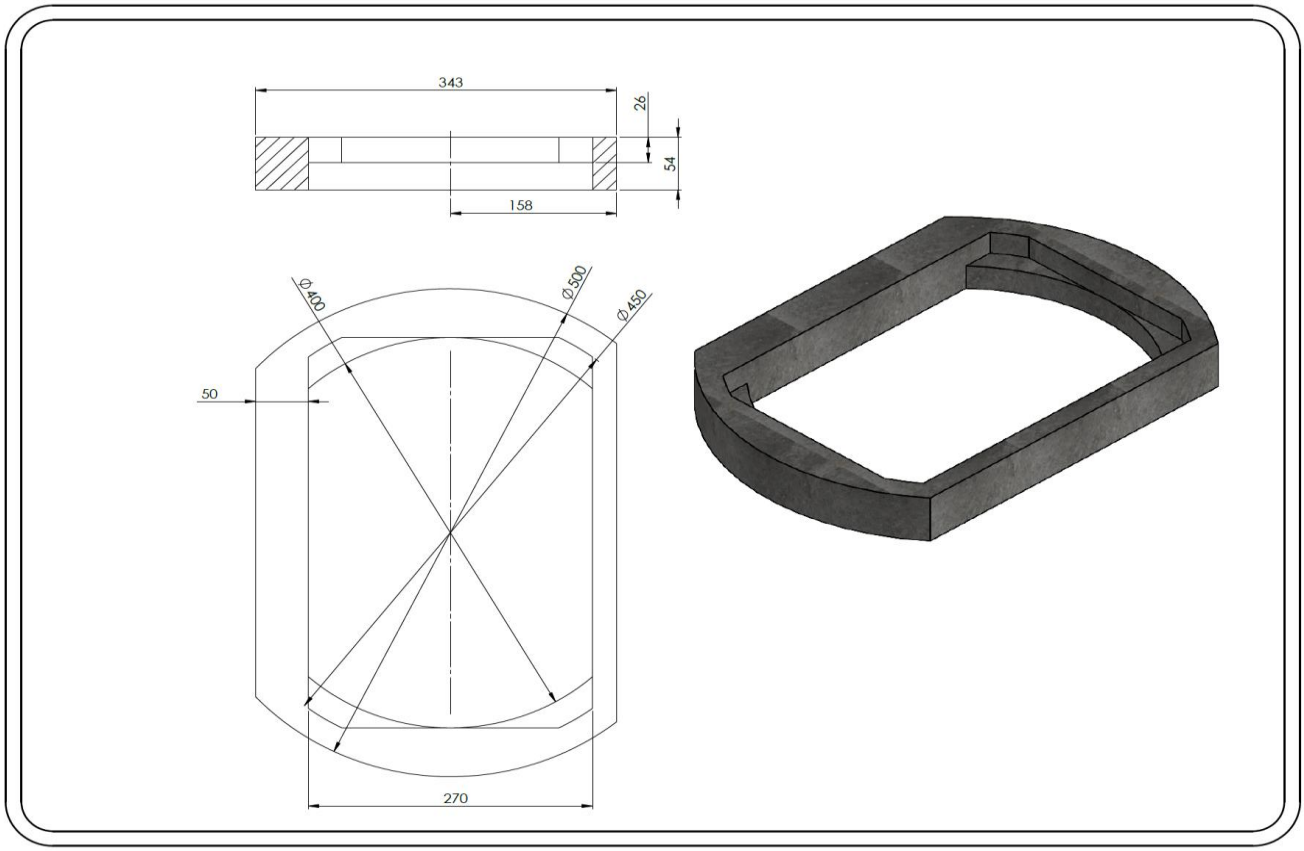
PRODUCT TECHNICAL SHEET

Adapter for street inlets TX/4052/10B

Intended for:

- height adjustment and directly supporting the flangeless street inlet, class D 400, type 300x500
- connection of the 300x500 self-levelling drain with a rainwater well
- assembly on a concrete reducer of a rainwater chamber DN 450 (according to DIN 4052) for an inlet 300x500
- assembly on plastic non-settling chambers under the 300x500 inlet
- installation on elements of the TVR T System: TX/4052/10B/20,TX/4052/10B/40,TX/4052/10B/60 height adjustment adapters, TX/650/395 support adapter, TXK outlet angle adjustment adapter /4052/10B.

Support adapter TX/4052/10B.



Index	DN(mm)	DZ(mm)	H(mm)	weight(kg)	class
TX/4052/10B	270/395	500/343	54	5,5	D400

3. Application :

The TX/4052/10B supporting adapter is a 54 mm high element for the foundation of 300x500 flangeless inlets. The adapter is a direct supporting/bearing element of the drain, ensuring full support for the drain and tightness of the top.
It is laid on concrete reducers of street inlets DN 450 (according to DIN4052) and on plastic rainwater wells (ROMOLD, Pipelife, Rehau)

For use in the communication engineering in accordance with the above-mentioned purpose in the field of public roads without limits , internal roads, road and railway engineering structures without limits .
In the traffic areas of groups 1-4, in class up to D400 according to PN-EN 124-1: 2015-07.

Attention. 1. To support flangeless street inlets type 300x500 only in group 3 areas according to PN-EN 124-1:2015-07. In areas with a low risk of overrun, in the zone at the curb, in the gutter, in the gully bays.

Technical parameters of the adapter TX/4052/10B		
Compressive strength. Class	400kN D400	PN-EN 124-1 07-2015
Tensile strength	3Mpa	PN-EN ISO 527-1:2012
Degree of resistance to frost in water rozoodporności w wodzie Degree of resistance to frost in wat	F150(-2%)	PB IBDIM PB/TB-1/23
Degree of frost resistance in 2% NaCl	F50(-2%)	PB IBDIM PB/TWm-36/98
Absorptivity	<0,2%	PN-EN ISO 62:2008
Mechanical loss	0,33 tg	
Hardness according to Schore	>46	PN-EN ISO 868:2005
Product dimensional tolerance	± 5mm in diameter, ± 3mm in height	
Support surface	574cm²	
Thermal resistance	-30°C do +60°C	In continuous work conditions.
Short-term thermal resistance 170°C	2h	In the conditions of installation in the bituminous surface
material PVC/PE	80%	PN-EN 15346 2009
Product reference documents: National Technical Assessment No. IBDiM-KOT-2017/0047 3 rd edition National Declaration of Performance No. 07 / EW / 22 Code CN 39259090		

General assembly instructions:

- before starting the assembly works with the TVR T system elements, check whether the diameters (external and internal) are appropriate for a given rainwater well, inlet and that all elements are structurally suited to the intended application
- determine the necessary amount, the height of the compensation rings for height adjustment, taking into account the angle of inclination, height of the TX/4052/10B supporting adapter, drain ,the thickness of the repair layer
- compensating rings TX/4052/10B/(20÷40mm) can be installed on the concrete narrowing of street inlets (DN450)provided that the ground on which they are to be installed is in good technical condition. They require the provision of an even, strong base / foundation.
- any defects, unevenness, damage, leaks should be repaired before the installation of compensating rings by making a compensating and repair layer with the use of cement quick-setting masses or resins with appropriate strength and operating parameters, dedicated by the manufacturer to repair the finials of sewage manholes, anchoring manholes
- the thickness of the repair layer should be in accordance with the recommendations of the quick-setting mass manufacturer
- the end of the rainwater drain should be made in a tight manner, between all elements of the top, i.e. compensating rings, supporting adapter, inlet, polymer sealing and sealing compounds should be used
- place the rings centrically over the inlet hole, one on top of the other, pressing firmly until the required adjustment height is reached.
- elements of the immediate surroundings of the street inlet, such as edges, curbs, elements of the drain, etc. should be matched to the drainage device. The greatest possible integrity of the structure of the top surface should be maintained.
- on the compensating rings, place the adapter supporting the street inlet with the seal applied on the bottom
- under and around the top, make reconstruction / substructure of the road surface based on breakstone (approx. 65-70%) and cement quick-setting masses (approx. 30-35%)
- reconstruction of the road surface around the near-surfacefinial is made in layers with appropriate compaction (in accordance with the design)
- commissioning should take into account the necessary time of complete cooling of the bituminous mass, allowing it to be put into service

Notes on installation conditions

During height adjustment of sewage wells and drains with the use of plastic elements of the TVR T System, it is forbidden to:

- compensation rings/adapters installation on damaged elements of sewage chambers, on uneven, unrepaired, unprepared surfaces, not providing full permanent support for compensation rings.
- use any placing point destructive elements (bars, plates, cut rings, etc.) for height adjustment via putting them on the compensation rings
- use of concrete mortars between the plastic compensation rings
- install manholes that are structurally and dimensionally unadjusted to the elements directly supporting the TVR T system
- make high adjustments above 25cm only on the rings with low dimensions
- laying the surface without making the correct foundation, filling and compacting the space around the finial and the manhole