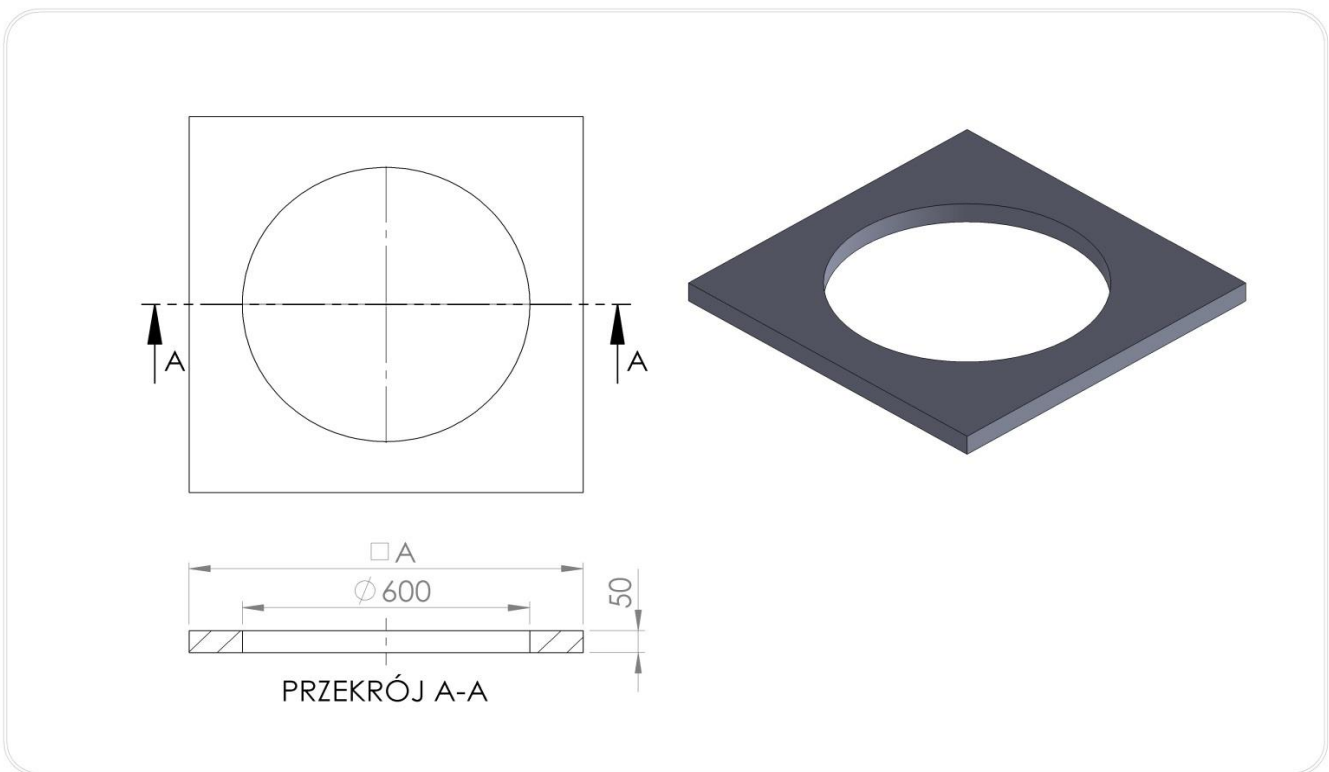


Foundation and settling plate T04/850/600/50

Intended for:

- height adjustment of concrete manholes \varnothing DN 600 mm and square 600x600mm.
- height adjustment of plastic chambers on relieving cones T3/600/BR, T3/615BR, T3/680BR and direct support for manholes with a frame of \varnothing 850mm or a square frame of 850x850mm
- direct foundation/support of flanged sewer manholes class D400 DN 600 (with the outer diameter of the manhole foot flange max. 850 mm and manholes with an octagonal, square frame 850x850mm with a round cover) made of ductile and gray cast iron
- support of the near-surface top (foundation) made of T1/620, T1C/625, T1R/625, T1/700 compensating rings

Foundation and settling plate T04/850/600/50



Index	DN(mm)	AxA'(mm)	H(mm)	Weight (kg)	Class
T04/850/600/50	600	850	50	30,5	D400

3. Application :

Square foundation and settling plates made of plastic with external dimensions of 850x850 with an internal opening of \varnothing 600 mm are intended for both direct support of D400 class manholes with a round DN 600 manhole opening with a round base and an outer diameter of \varnothing up to 850mm or square 850x850mm, also octagonal.

height adjustment rings of the well with a hole DN 600÷DN625	Elements of the TVR T system for direct support of the manhole	Manholes DN 600 class A15 ÷ D400 (type dimensions)
T1/600	No supporting element required	<ul style="list-style-type: none"> • cast iron traditional round manholes with an outer diameter of the body foot $\varnothing \leq 850$ mm • composite traditional round manholes with an internal diameter of the body foot $\varnothing 620$mm and an external diameter ≤ 840mm • cast iron self-levelling manholes with an outer diameter of the leading pipe $\varnothing 613$ mm
T1/600	Settling foundation plate T04/850/600/50 <ul style="list-style-type: none"> • external dimensions of the element 850x850mm, • inner diameter $\varnothing 600$mm • height 50 mm 	<ul style="list-style-type: none"> • cast iron traditional round, octagonal manholes with an external diameter of the body foot $\varnothing \leq 850$mm • cast iron and composite manholes with a square foot of the body, external dimensions of 850x850 mm (with a round manhole cover)

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

Note: the foundation plate is not a manhole cover plate and is not structurally intended for the use of finials smaller than the diameter and dimensions of the manhole opening.

Technical parameters of T04/850/600/50 compensation rings

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	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	4397 cm ²	
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
PVC / PE material	80%	PN-EN 15346 2009

Product reference documents:

National Technical Assessment No. IBDiM-KOT-2017/0047 3rd edition

National Declaration of Performance No. 12 / EW / 22

Code CN 39259090

General assembly tips:

- before starting the assembly works with the TVR T system compensating rings, check whether the diameters (external and internal) are appropriate for a given manhole 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 (or the height of the supporting element), the height of the manhole, the thickness of the repair layer
- foundation plates may be installed on the upper elements of concrete chambers, 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 manufacturer of quick-setting compounds
- foundation plate can act as an element directly supporting the hatch and be placed on compensating rings, providing full support for the hatches and enabling proper reconstruction of the pavement.
- determine the necessary number, the height of the compensating rings to perform the height adjustment, taking into account the angle of inclination (or the height of the supporting element), the height of the manhole,
- the surface top of the manhole should be made in a tight manner, between all elements of the top, i.e. compensating rings, supporting element, manhole, polymer sealing compounds should be used
- place the rings centrally over the manhole, one on top of the other, pressing firmly until the required adjustment height is reached.
- 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-surface finial 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 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