

Square compensation rings T6/IT

For:

- height adjustment of concrete chambers.
- adjusting the height of plastic chambers.
- direct foundation of flanged manholes up to class D400, inclusive.

The T6/IT product group includes many products with different height and overall dimensions, which allows it to fit most square dimensions of manholes.

Square compensation rings T6/IT

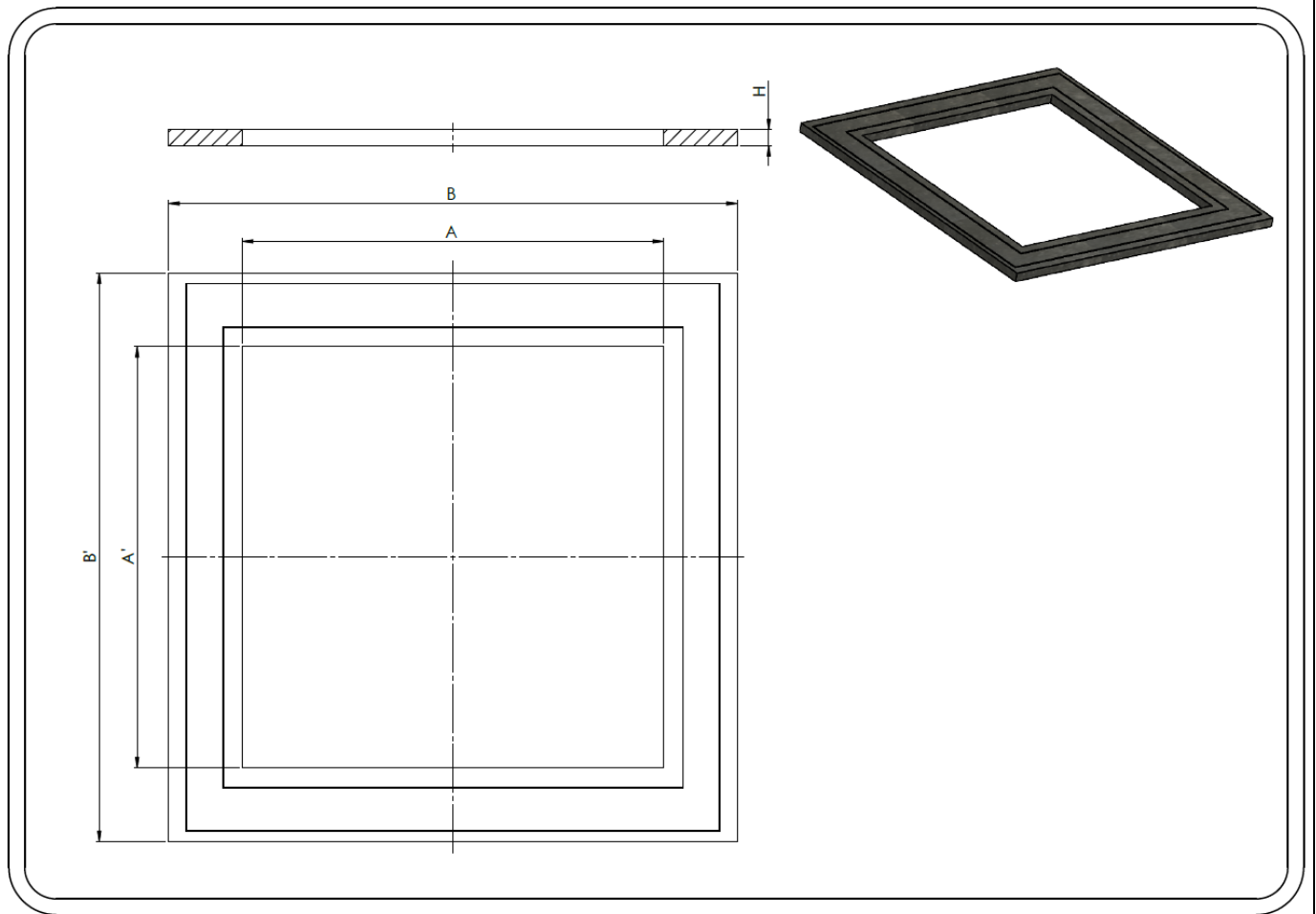


Tabela 1.

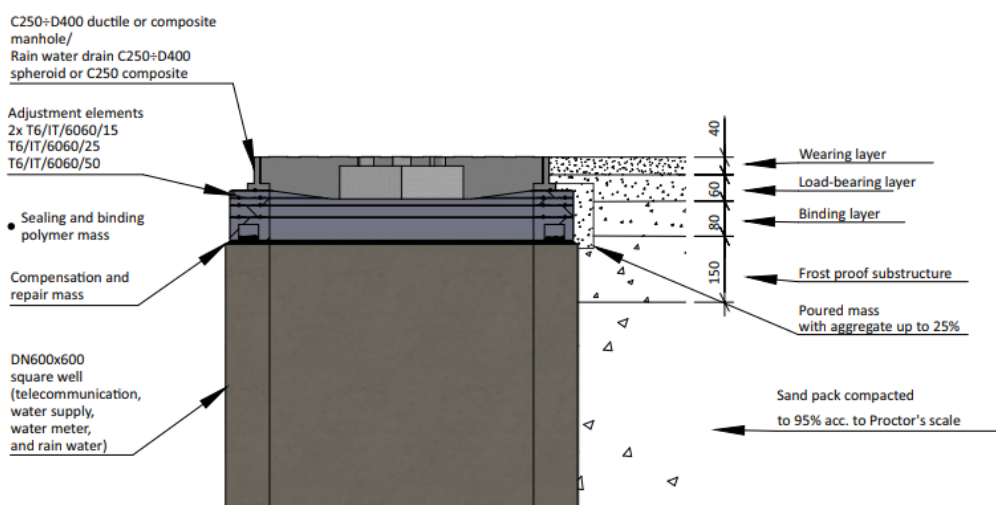
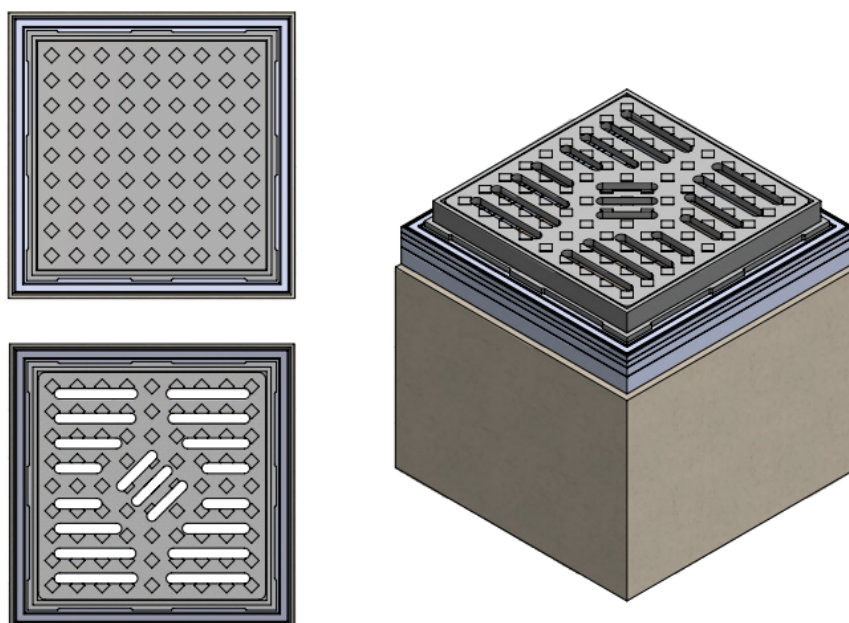
Index	LENGTH A=A'[mm]	LENGTH B=B'[mm]	H(mm)	Weight (kg)	Class
T6/IT/3030/15	300	370	15	1,2	C250
T6/IT/3030/25	300	370	25	1,9	C250
T6/IT/3030/50	300	370	50	3,2	C250
T6/IT/4040/15	400	540	15	2,7	D400
T6/IT/4040/25	400	540	25	4,9	D400
T6/IT/4040/50	400	540	50	7,9	D400

T6/IT/5050/15	500	640	15	3,4	D400
T6/IT/5050/25	500	640	25	5,5	D400
T6/IT/5050/50	500	640	50	9,3	D400
T6/IT/6060/15	600	770	15	5,4	D400
T6/IT/6060/25	600	770	25	8,6	D400
T6/IT/6060/50	600	770	50	13,4	D400
T6/IT/7070/15	700	870	15	5,5	D400
T6/IT/7070/25	700	870	25	9,6	D400
T6/IT/7070/50	700	870	50	15	D400
T6/IT/7070/100	700	870	100	27,3	D400

3. Application:

Compensating rings in the shape of squares made of plastic are an element of the construction and rehabilitation of the top of the manhole, sewage inlet; for installation between and on the elements of the above-mentioned manholes in order to adjust the final height of the manhole to the ground elevation.

Adjusting the height of manholes and inlets in relation to the road surface or terrain



For use in communication engineering in accordance with the above-mentioned purpose in the field of public roads without restrictions, internal roads and railway engineering structures without restrictions. In traffic areas of groups 1-4, in class C250 and D400 acc. PN-EN 124-1:2015-07.

Note: Store horizontally on pallets or level ground.

Technical parameters of TXS/650/45/620 Leading adapter / ring

Compressive strength. Class	tabela 1	PN-EN 124-1 07-2015
Tensile strength	3 MPa	PN-EN ISO 527-1:2012
Degree of resistance to frost in water	F150	PB IBDIM PB/TB-1/23
Degree of frost resistance in 2% NaCl	F50	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
Support surface	± 5mm in diameter, ± 3mm in height	
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
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. 13 / EW / 22

Code CN 39259090

General assembly tips:

- Before commencing assembly works with the use of TVR T (T6/IT) system equalization rings, check whether the dimensions (external and internal) are appropriate for the given chamber, and whether all elements are structurally matched to the intended use.
- Determine the necessary number and height of the leveling rings to perform the height adjustment, taking into account the height of the manhole and the thickness of the repair layer.
- Square leveling rings may be installed on top of concrete manholes, provided that the substrate on which they are to be installed is in good technical condition. They require the provision of an even, durable base/foundation.
- Any defects, irregularities, damage, leaks should be repaired before installing the leveling rings by applying a leveling and repair layer using cement quick-setting compounds or resins with appropriate strength and operational parameters, dedicated by the manufacturer for repairing manhole tops and for anchoring manholes.
- The thickness of the repair layer should be in accordance with the recommendations of the quick-setting mass manufacturer.
- 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 the reconstruction / foundation of the road surface based on crushed stone (approx. 65-70%) and cement quick-setting masses (approx. 30-35%)
- Reconstruction of the road surface around the near-surface crown is made in layers with appropriate compaction (according to the design).
- Commissioning should take into account the necessary time for full cooling of the bitumen mass allowing for operation.

Notes on installation conditions:

When adjusting the height of sewage chambers and sewage inlets with the use of plastic elements of the TVR T System, it is not allowed to:

- Installation and assembly of leveling rings on damaged elements of sewage chambers, on uneven, unrepaired, unprepared surfaces. Without providing full permanent support for balance rings; wykorzystania do regulacji wysokościowej, nakładania, podkładania na pierścienie wyrównawcze elementów niszczących działających punktowo (pręty, blaszki, płytki, pocięte pierścienie, itp.); use of concrete mortars between plastic equalizing rings;
- Installation of manholes that are structurally and dimensionally incompatible with the elements directly supporting the TVR T system;
- Performing high air adjustments. 25cm only on the basis of rings with small dimensions;
- Paving without making the proper foundation, filling and compacting the space around the top and manhole.