IKI

KIUKAISTA KIUKAIN

IKI T600 CHIMNEY

Installation instructions
10/2020

IKI T600 CHIMNEY INSTALLATION INSTRUCTIONS

BEFORE INSTALLATION

- Check that all the parts you need are included in the delivery, using the list of parts as reference (pp. 3-5).
- Before piling the stones on the stove and installing the chimney, make sure the stove is horizontally levelled and aligned with the hole in the ceiling.
- The safety distance from the outer surface of the flue pipe to inflammable surfaces in a well-ventilated space is 50 mm in each direction. Do not attach any materials to the surface of the flue unless it comes with a class A1 fire rating. The safety distance from the top of the damper to the ceiling is 40 cm.
- The ceiling or wall may have maximum 2 metre overflow after the last support.
- The parts for the flue and chimney must be used as they come, and may not be altered or cut. The joints of the pipe sections are secured with tightening straps.

INSTALLATION INSIDE THE SAUNA ROOM (PICTURES ON PAGES 7-8)

1. Install the damper (part 1) on top of the stove's mesh frame, fasten securely. Position the damper panel to the correct direction in the sauna room (Picture 1).
2. Pass the 1-metre flue pipe (part 2) through the collar (part 3) (Picture 2).
3. Place the 1-metre flue pipe (part 2) directly on top of the damper (part 1) (Picture 3). The ceiling collar can simply rest on top of the damper at this stage of installation.
4. Place the tightening strap (part 9) to the joint of the damper (part 1) and the 1-metre flue pipe (part 2) and tighten securely (Picture 4). **Attn!** The joint between the damper section and the flue pipe may not need a tightening collar if they fit securely as they are.
5. Use the tape provided to secure the fume blocking plate (part 4) to the fume block in the ceiling tightly (Picture 5). There needs to be a 2-mm gap between the fume blocking plate and the pipe, which is then taped shut.
6. Attach the collar to the ceiling with the screws (4 pieces) provided in the installation gear box (Picture 6). Detach the protective plastic from the collar.

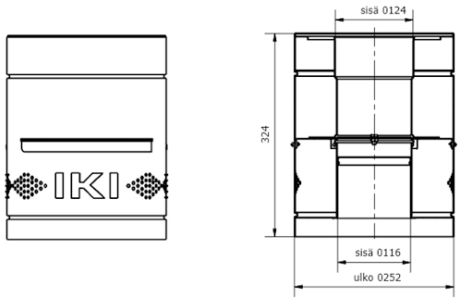
INSTALLATION IN SUBBASE (PICTURES ON PAGES 7-8)

7. Place the ceramic fibre insulation (part 5) once around the flue pipe. Minimum height 20 cm and minimum thickness 5 cm (Picture 7). **Attn!** The flue pipe joint must not be located inside the fibre insulation.
8. Bend the cylinder (part 10) around the fibre insulation (Picture 8). The cylinder needs to be at least 100 mm higher than the insulation (Picture 9.) The standard cylinder included is 500 mm in height. If your insulation is more than 400 mm in height, you need to increase the cylinder height by using another (supplementary) cylinder and tape the two cylinders together.
9. Attach the second 1-metre flue pipe section (part 2) on and secure the joint with a strap (part 6). Secure bunched tape on to the strap and attach to roof trusses with screws (Picture 10).

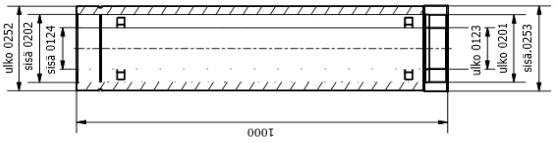
INSTALLATION ON THE ROOF (PICTURES ON PAGES 7-8)

10. Attach the underlay sheet (part 7) to the underlay leaving a 10 mm air gap from the pipe surface (picture 11). The gap between the edge of the raised underlay and the chimney pipe is left open for ventilation.
11. Attach the last 1-metre flue pipe section (part 2) in place on the roof.
12. SUPPLEMENTARY EQUIPMENT: Install the sheet metal set (IKI light or IKI full) around the chimney according to separate installation instructions. If you want to use different sheet sets with the installation, they need to be ventilated. It is forbidden to use products not part of the IKI chimney pipe system with this chimney without the manufacturer's written consent.
13. Place the rain cap (part 8) on top of the chimney (Picture 12).

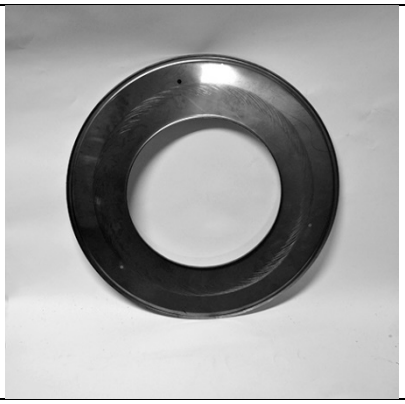
IKI T600 CHIMNEY PIPE LIST OF PARTS:

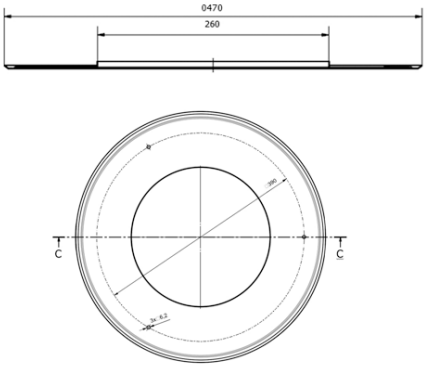


part 1: damper

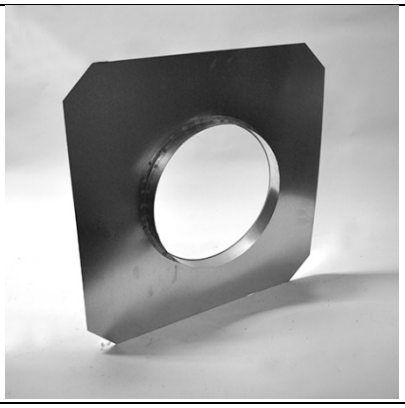


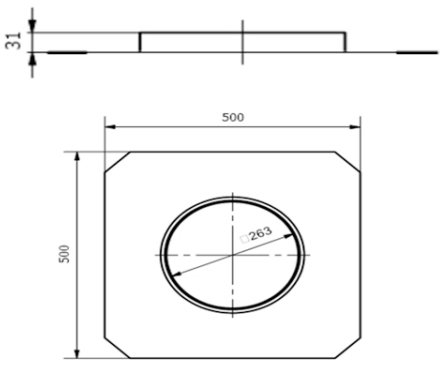
part 2: flue pipe 1000 mm





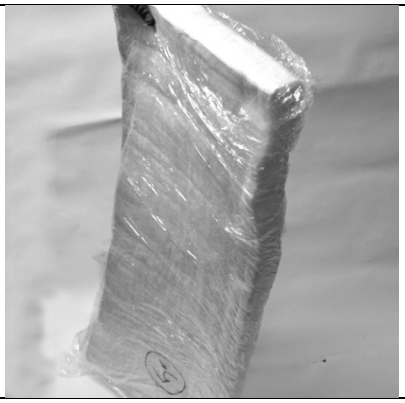
part 3: ceiling collar

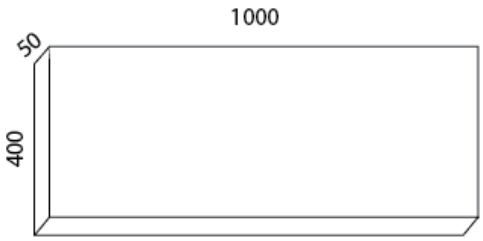




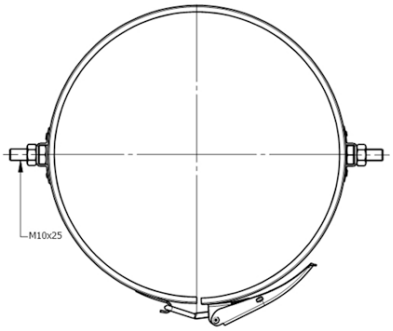
part 4: fume blocking plate

IKI T600 CHIMNEY PIPE LIST OF PARTS:

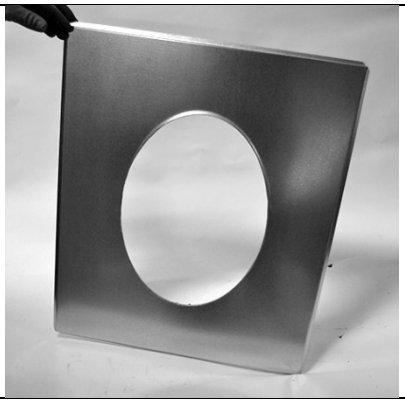


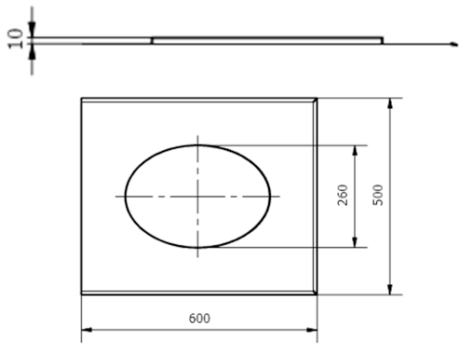


part 5: ceramic fibre insulation



part 6: support strap

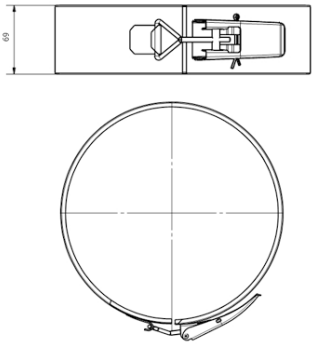




part 7: underlay sheet

part 8: chimney cap

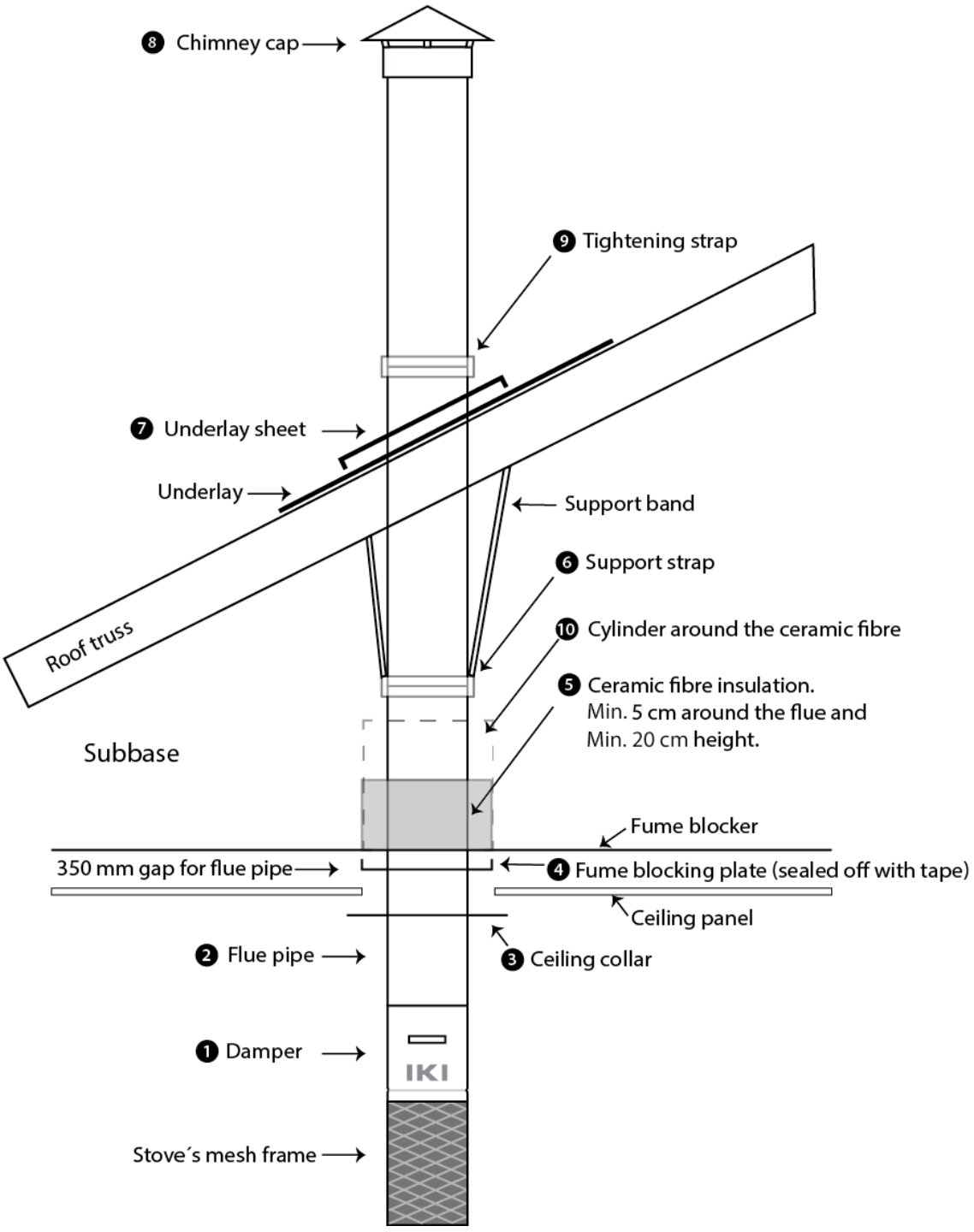
IKI T600 CHIMNEY PIPE LIST OF PARTS:

	
part 9: tightening strap	
	
part 10: cylinder	

Also included in the delivery:

2 punched tapes of 1000 mm
1 installation gear box with instructions, screws and tape

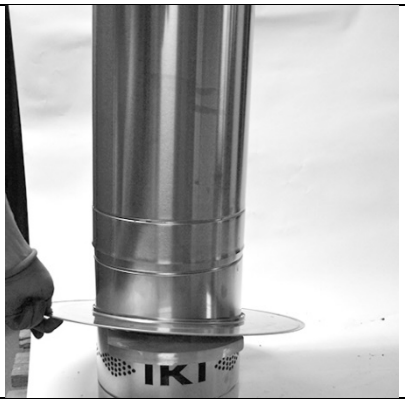
IKI T600 Chimney pipe / standard set 3000 mm
List of parts:



Pictures of the installation:

Pic 1

Pic 2



Pic 3

Pic 4

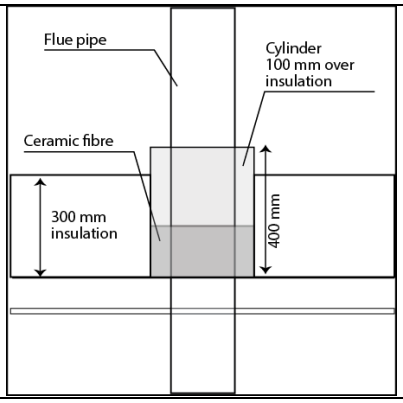
Pic 5

Pic 6

Pic 7

Pic 8

Pictures of installation:



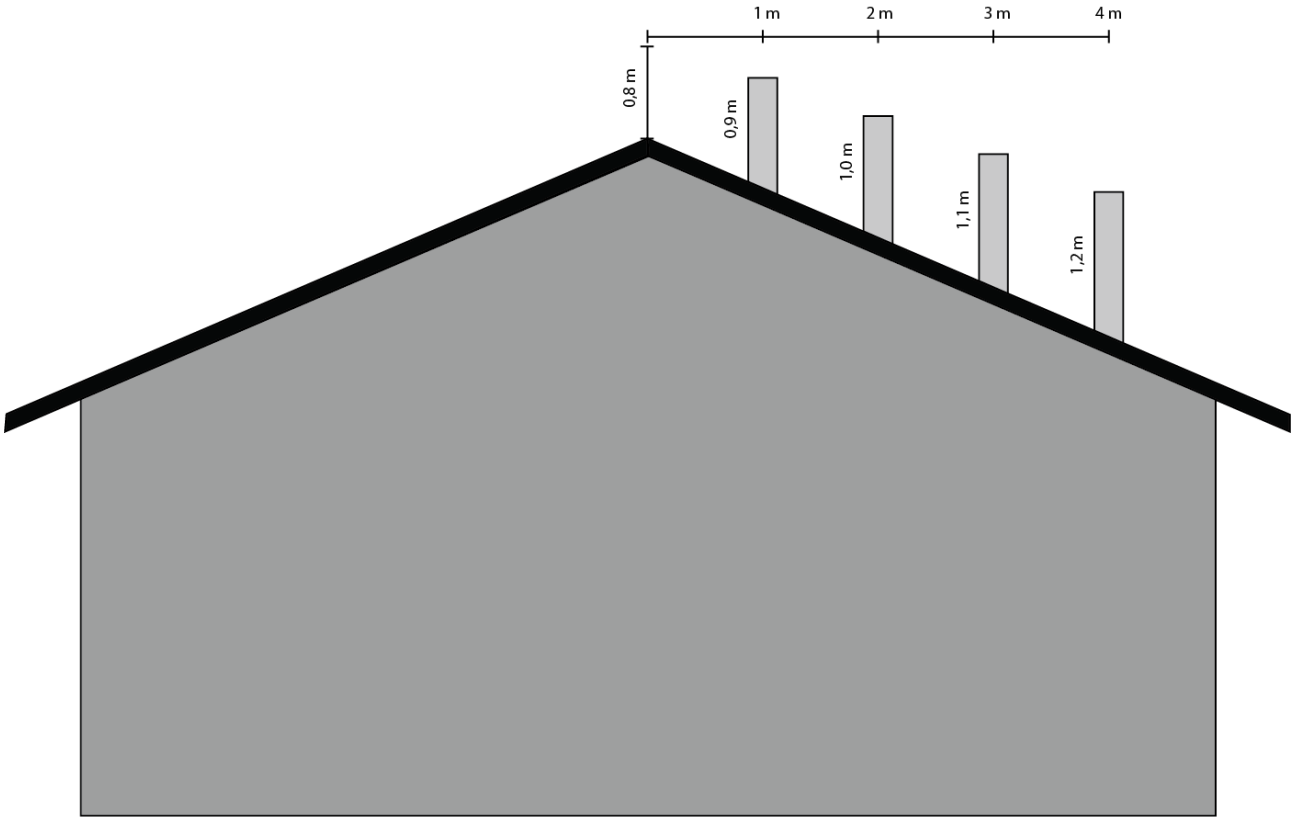
Pic 9

Pic 10

Pic 11

Pic 12

Chimney height on roof top



Instructions for use

Damper
The damper panel needs to be open whenever there is fire burning in the hearth, to not prevent air cooling!

Snow barrier
There needs to be a snow barrier on the upper side of the chimney to prevent damage to chimney.

Sweeping
The chimney may only be swept with a stainless steel or fibre brush.

Product plate
The mechanic will fill in the required information regarding the product to the plate included in the delivery. It should be placed somewhere easily visible.

If necessary, the chimney needs to be protected from contact with external forces.

Chimney details

IKI T600 CHIMNEY PIPE
CE 1450- CPR- 0007
EN 1856-1 T600-N1-D-Vm-L99080-G(50)
Temperature class T600
Safety distance to inflammable structures 50 mm.

Three-sheathed air-ventilated steel flue and chimney system.

Warranty
The manufacturer, Darco Sp. z o.o.
39–200 Dębica, ul. Metalowców 43, Polska

Importer: Hormex Oy
Tinakatu 1 A, 05800 Hyvinkää

The manufacturer and importer issues a 10-year warranty for materials and production errors for the flue and chimney system. The warranty does not cover for faulty installation.

DECLARATION OF PERFORMANCE
No **01/2020**

CE
16 1450

1. Unique identification code of the product-type: **SKDTŻ-3L – Triple wall chimney system IKI T600**

2. Intended uses: **Triple-wall chimney system type SKDTŻ-3L (IKI T600 Chimney)** – used for building chimney and chimney smoke-ducts exhausting fumes from wood burning devices.

3. Manufacturer: **DARCO Sp. z o. o.**
39-200 Dębica,
ul. Metalowców 43

4. Authorised representative: **IKI-Kiuas Ltd,**
Hakaniemenkatu 11
00530 Helsinki, Finland

5. System of AVCP: **2+**

6. Harmonised standard: **PN-EN 1856-1:2009**
Notified body: **UE nr 1450**
Oil and Gas Institute, National Research Institute
ul. Lubicz 25a, 31-503 Cracow, Poland

7. Declared performances:

No.	Essential characteristics	Performance	Harmonised technical specification
1.	Temperature class	**T600**	PN-EN 1856-1:2009
2.	Gas tightness (pressure class)	**N1 (40[Pa])**	PN-EN 1856-1:2009
3.	Condensate penetration resistance	**D**	PN-EN 1856-1:2009
4.	Water and vapour diffusion resistance	**resistant**	PN-EN 1856-1:2009
5.	Durability against corrosion	**Vm**	PN-EN 1856-1:2009
6.	Sootfire resistance	**G**	PN-EN 1856-1:2009
7.	Minimum distance to combustible materials	**50 [mm]**	PN-EN 1856-1:2009
8.	Thermal resistance insulation of airspace	**1,60 [m^2K/W]** (thermal resistance depends on DN)	PN-EN 1856-1:2009
9.	Thermal resistance of insulation	**0,18 [m^2K/W]** specified at 600°C (thermal resistance depends on DN)	PN-EN 1856-1:2009
10.	Flow resistance of chimney [ζ]	Straight pipe – 0,11 Tee 90° - 1,20 Chimney terminal - 1,10	PN-EN 1856-1:2009
11.	Mean value of roughness for chimney sections	**R = 0,001[m]**	PN-EN 1856-1:2009
12.	Compressive strenght	**0,5 KN**	PN-EN 1856-1:2009
13.	Freeze thaw resistance	**resistant**	PN-EN 1856-1:2009
14.	Wind load resistance	**1.5kN/m^2** free standing end 1,5m above the last fastening	PN-EN 1856-1:2009
15.	Tensile strenght	**NPD**	PN-EN 1856-1:2009

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Łukasz Darłak – Prezes Zarządu**

PREZES ZARZĄDU
Łukasz Darłak

Dębica 31.08.2020
(place, date of issue)

(signature)

darco
DARCO Sp. z o.o.
39-200 Dębica, ul. Metalowców 43
NIP 872 21 77 114
REGON 691758322
KRS 0000170668 BDO 000015503
t.D

invent. build. enjoy.