# Overview of abri/mupi keys used in the Netherlands

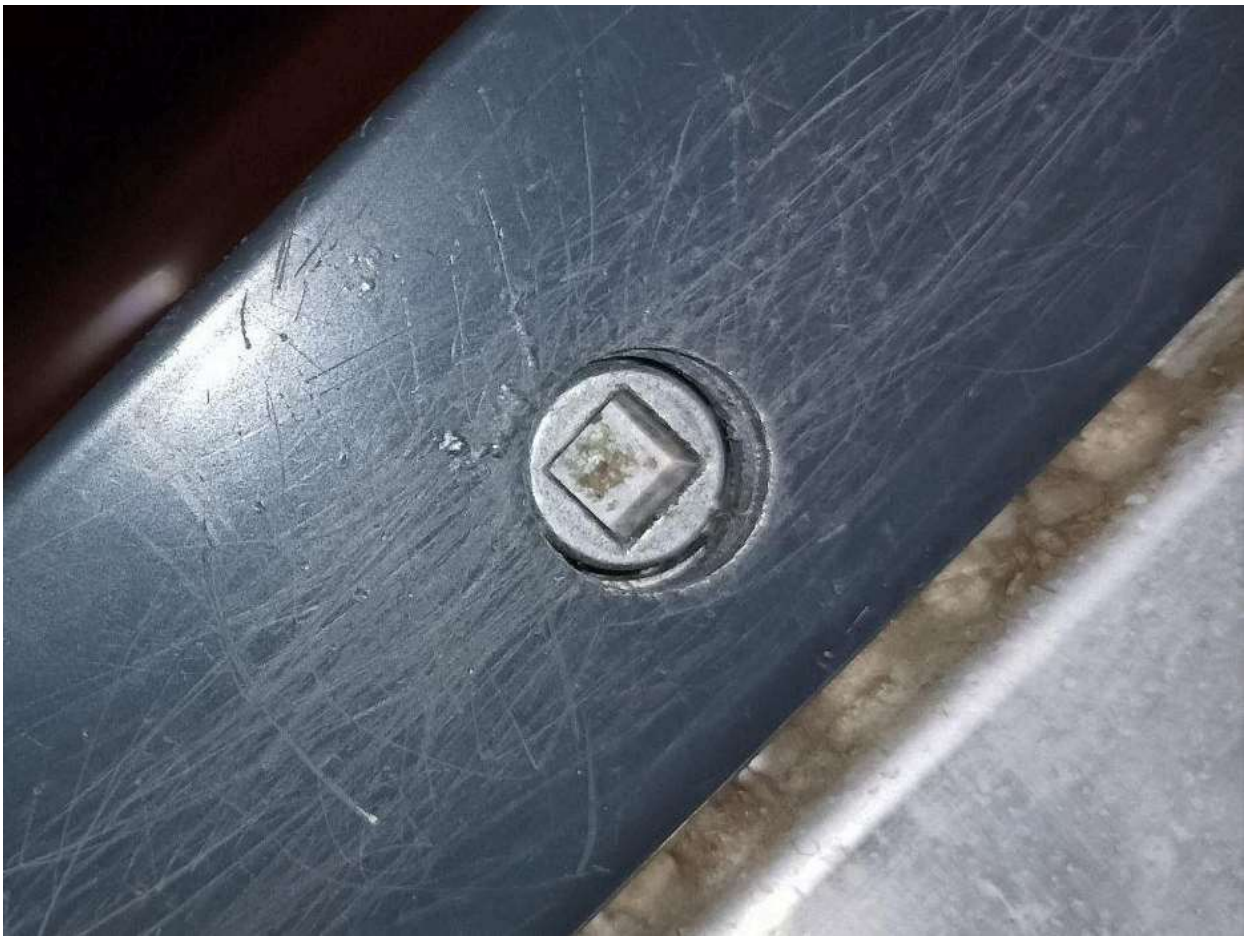
The 3 largest outdoor advertisers in the Netherlands are Clear Channel (a.k.a. Bauer Media Outdoor a.k.a. RBL Outdoor), Global and JCDecaux. The keys used to open their abris (bus shelters) and mupis (standalone signs, a.k.a. lollipops) differ between advertisers and between towns. We're collecting an overview in this document. An international overview can be found here.

There are GPX files with locations of all advertising spaces of Clear Channel and Global that you can view in a mapping app like OsmAnd. Ask the person that shared this document for either of those files, if they apply to your city or town.

## Keys

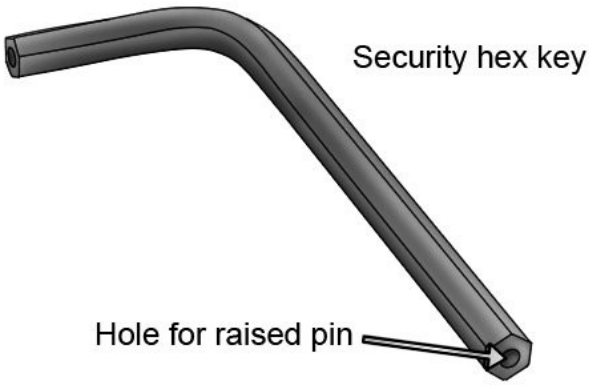
### 1. Door handle





The 8 mm square pin of a regular door handle fits this lock. Note that some cities (notably Utrecht) have a very narrow slit below the door that the square pin needs to fit through, so it will need to be modified. See this document for more info.

### 2. Security hex key


Security hex key
Hole for raised pin





This is a 6 mm hex (or allen) key with a hole in the end. 3D models exist (e.g. here), but these strip easily. A more durable option is buying one online (e.g. here). Or maybe you can make one from a regular 6 mm hex key with a drill press?

3. Torx T30



This is a T30 Torx key with a hole in the end. You can find these in a typical hardware store (e.g. here).

4. WALL1132











You can easily build one of these yourself from ø 15 mm heating pipe by cutting a 10 mm deep X in one end of the pipe, then cutting out two opposing tabs. Finally, drill a hole through the other side large enough for a bolt to stick through. Or mirror the other end and stick it on a 4-way-key. See this folder for pictures. If you're making one, please consider making more and sharing ;)

5. Pipe wrench



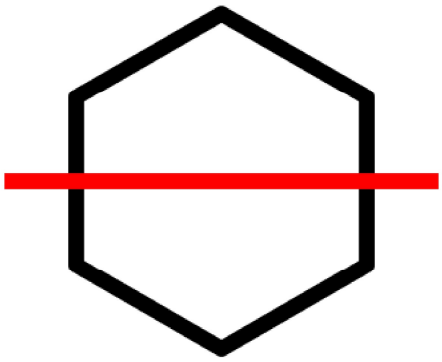






This is a regular 8 mm pipe wrench, like the one for sale here.

Note that some cities (e.g. Deventer) have some kind of extra security. You can see the pins sticking out in the second photo. Bypass this by cutting a slit in your pipe wrench, like so:

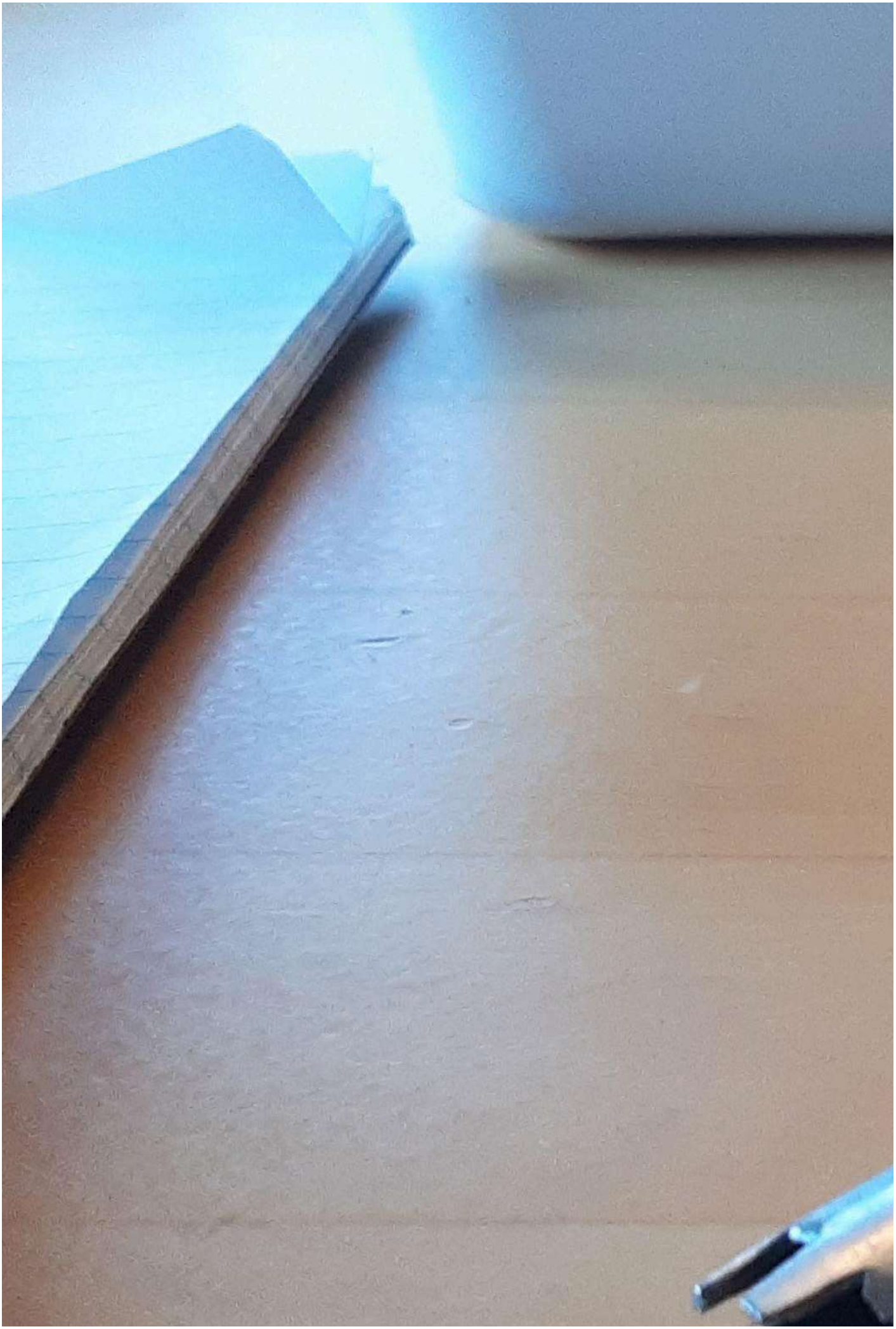


6. 4PTSP




More info needed.

7. JCDGEAR





These ones are made from ø 15 mm heating pipe. The locks can be quite deep, hence the long one. Note that the short one in the photo is missing two teeth. These break easily. It might be good to look for a thicker kind of pipe (e.g. with an inner ø of 12 mm and outer ø of 16 mm) and see if that makes for a stronger key.

### 8. Giant Torx

Spotted in IJmuiden. Looks like a ø 12 mm pipe with teeth of possibly 4 mm sticking out, for an outer diameter of 20 mm? Needs further investigation.

### 9. Smaller square

Spotted in Dordrecht. Square like the door handle, but smaller. Maybe 6 or 7 mm. Needs investigation

## Overview per town

https://cryptpad.organise.earth/sheet/#/2/sheet/view/iJJbuM7fjOSqRaD+0CBixZIIKAhBKIL8qbshWnvWM8Q/embed/

## Old overview, per advertiser and key

Note that this overview is not updated any longer. Use the spreadsheet linked above instead.

| Advertiser | Town | Key |
|---|---|---|
| Global | (Alkmaar), (Amersfoort), (Amstelveen), Berkel en Rodenrijs*, (Bussum), Castricum, Delft, (Delfzijl), Den Haag, (Deventer), (Edam), (Ede), Eindhoven, (Etten-Leur), (Geleen), (Goes), (Groningen), (Heerenveen,) (Heerhugowaard), (Helmond), (Hilversum), (Hoogezand), (Hoorn), (Huissen), (Huizen), (Krimpen aan den IJssel), (Leeuwarden), (Lelystad), (Middelburg), (Mijdrecht), Naaldwijk, Nieuwegein, (Nijkerk), (Nijmegen), (Oss), (Purmerend), Ridderkerk*, 's Gravenzande, (Schiphol), (Sittard*), (Sneek), (Soest), (Terneuzen), (Tiel), (Valkenswaard), (Veendam), (Veenendaal), (Veldhoven), (Wageningen), Wateringen, (Weert) | 1 |
| | Alphen aan den Rijn, Berkel en Rodenrijs*, Bergschenhoek, Doorn, Driebergen, Enschede*, Harderwijk, Heemskerk, Heemstede, Hengelo*, Maarssen, Leiderdorp, Papendrecht, Woudenberg, Zoeterwoude, Zutphen, Zwijndrecht | 4 |
| | | |

| Advertiser | Town | Key |
|---|---|---|
| | Apeldoorn, Barendrecht, Hoofddorp, Nieuw Vennep | 2 |
| | Enschede*, Hengelo*, Hoogvliet*, Nieuwerkerk aan den IJssel(Clear Channel), Spijkenisse, Teylingen, Voorschoten, Zoetermeer | 5 |
| | Vlissingen | 6 |
| Clear Channel | (Almelo), (Assen), (Beverwijk +), (Brunssum), Capelle aan den IJssel* +, (Den Helder), (Diemen), (Doetinchem), (Drachten), (Dronten), (Drunen), (Elst), (Emmeloord), (Emmen), (Gorinchem), Gouda#, (Heerlen), (Hellevoetsluis), Hillegom, (Hoogeveen), (Hoorn), (Houten), - IJmuiden -, (Kampen), Katwijk*, (Kerkrade), (Landgraaf), Leiden, Lisse, Maassluis, (Maastricht), (Meppel), (Nijverdal), Noordwijk, Oegstgeest#, (Oldenzaal), (Oosterhout, (Oud-Beijerland), Pijnacker-Nootdorp, (Renkum), (Rijssen), Rhenen, (Roosendaal), ('s Hertogenbosch), (Sittard*), (Stadskanaal), (Tilburg), (Uden), Utrecht#, (Veghel), (Venlo), Velp, (Vught), Zaandam, (Zeewolde), (Zevenbergen) | 1<br><br># = small key, because of lack of space underneat, max. 15 mm |
| | Best*, Katwijk*, Roermond, Sliedrecht, Waddinxveen | 4 |
| | Oldenzaal* | 2 |
| Brouwer & Partners | Best* | 4 |
| JCDecaux | (Amstelveen*?), Amsterdam*, (Arnhem), Breda*, (Capelle aan den IJssel?), (Eindhoven**) Enschede**, Hengelo**, Haarlem, Ridderkerk*, Schiedam*, (Uithoorn), (Vlaardingen), | 2 |

| Advertiser | Town | Key |
|---|---|---|
| | Wassenaar*, (Woerden), (Zeist), (Zwolle) | |
| | Amsterdam*?, Breda**, Leidschendam-Voorburg, Rijswijk (ZH), Schiedam*, Wassenaar* | 7 |
| | Rotterdam | 5 |
| Unknown abri brands | Aalsmeer, Almere, Barneveld, Bergen op Zoom | ? |

( ) For these locations a different key might be used, this should be checked first.

* In these municipalities multiple keys are being used.

** Only mupi's (lollypops)

# Narrow crevice underneat, key should be less than 15 mm wide