

kerb infrastructure solution

# the **complete** highways solution

Hardscape has provided infrastructure solutions to the UK for over 30 years, helping architects and planners stay ahead of policy and design guidance through product selection and supply expertise. Our long relationship with Dutch manufacturers has delivered the perfect range of Active Travel Kerbs.

## **50 years** in the making

In the 1970s, the Dutch experienced issues we're all too familiar with today in the UK, an overcrowded, car dominated transport infrastructure that was failing to deliver for all users, while also preventing the adoption of cycling and public transport.

Since that time, the Dutch have introduced:

Safety by design, preventing accidents rather than mitigating them;

**Increased accessibility & public health**, with dramatic obesity decline, leading to reduced social care costs;

**Environmental improvements** with greener neighbourhoods and reduced carbon emissions.

Hand in hand with these progressions, an intelligent and coherent kerb system developed to effectively separate different transport modes.

Hardscape are at the forefront of the challenges ahead of us all by bringing these components to the UK.



## 会所光 is the modern solution

With ATK you can achieve the design principles of LTN 1/20,

Sustrans Cycling by Design,
NTA Cycle Design Manual &
Welsh Active Travel Act Guidance

**CWIS** recommends adopting the Dutch model

ATK are compliant with **BS EN 1340** 



# learn your ATK

**ATK is as simple as ABC**, but knowing a few key terms and understanding some of our Active Travel Kerbs unique features, will speed you towards specification.

### profile

The left hand profile of a kerb is it's primary profile. This dictates which category & family the kerb belongs to. Shown here is a 180-200x250.

#### connector

ATK kerbs feature end connectors that vary in shape and size proportional to the kerb.

These mortar-free joints allow for rapid kerb alignment.

#### sloped top & chamfers

A slight gradient (1:30) is applied on the top face of the kerb to aid drainage. The rear edge of kerbs feature a small chamfer of 5-6mm, for a cleaner finish and safer handling.

### splinter-free edge

Most ATK kerbs feature a splinter-free edge on the right-hand end.

This helps prevent damage to the presentable face of the kerb occurring during install.

#### front face

When the male connector is on the left and the female connector is on the right, then you are viewing the front face of the kerb. All ATK kerbs are illustrated in this orientation.

# simply specified

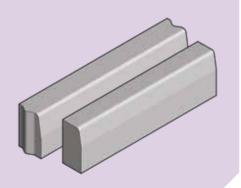
The size and scope of the ATK range allows simple solutions and configurations for any design.

To choose the right kerb for your project, simply go through these steps and let the ATK system do the work.

#### **British** standard kerbs

Alongside our Dutch ATK, Hardscape also a supply UK manufactured British standard kerbs in HB1, HB2, BN1, BN2, BN3 and SP2 profiles and ancillaries.

Choose the appropriate ATK kerb family to match into any British requirements or existing infrastructure.



# **STEP 1** find your **ATK**

#### hardscape.co.uk

Our online product selector is the best place to choose your kerbs, and get all the specification details you need.

#### **NBS** source

If you prefer to specify via NBS, you can choose from many 'straight' components which are key to setting the parameters for the full scheme.

#### datasheets

PDF datasheets for individual kerbs are available, if you prefer to go straight to the exact solution you need.

# STEP 2 pick the **category** that suits your needs



access for traffic mobility



**boundary** for design & definition



**cycle** for keeping cyclists moving



**drainage** for rain gardens



edging for decorative & green spaces



highway for roadway infrastructure



**bump** for guidance & awareness



**segregator** for protection & separation

# STEP 3 narrow by **family**

Families gather the ATK options by size, so once you've chosen a family you can be certain all the kerbs within are compatible.

#### choose cycle

For example, if you choose the cycle category, you can select from:

30-**80x200** 

30-**120x200** 

40-**120x250** 

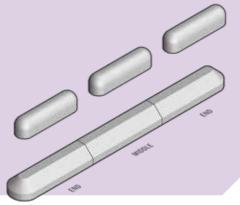
50-**200x250** 

70-**200x200** 

### quick segregator sets

Segregator sets are easy to use in any scheme, as they are largely stand-alone items, ideal for when buffer zones are not an option, or space is a premium.

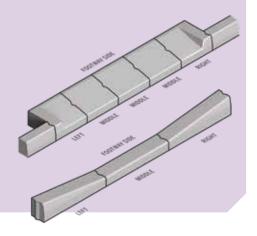
Available with a range of widths, lengths, and heights for versatility of design.



## easy entry kerb sets

Often referred to as 'Dutch Kerbs' entry slopes are contained within their Highway family so they align perfectly, featuring left, middle and right pieces, available in 20+ size options.

Drop kerb sets are a form of transition, and feature similar pieces with a drop to a flush fitted kerb.



# STEP 4 select your **kerb type**

Within each family, you'll find a selection of different types of kerb. Alongside the standard straight & radii, this is where you'll find your entry kerbs, transitions, quadrants and more.

#### straight

The starting point, typically 1 metre long, from which establishes the families profile and end connectors.

#### radius

External and internal curved kerbs allowing the creation of flowing shapes.

#### transition

Shaped to create a transition from one kerb family to another.

#### drop set

Allow the kerb line and footway to drop down to carriageway level for crossing and access points.

### entry set

A set of left & right transitional pieces with a sloping middle unit, used for height level changes.

#### return corner

90° and 135° kerbs used for corners, available as internal or external.

### return radial / quadrant

Similar to return corners but with a rounded (radial) front face for creating smooth curves.

#### 3-way return

A special type of return kerb that integrates features like loading bays or parking into the kerb line.

# STEP 5 choose options

Once you've selected a kerb type, you may have further options.

Radius kerb will often feature several radii to choose from.

Return ends and return radial/ quadrants are often available in 5° increments to match even the most demanding layout.

For drop kerbs or other sets you can select left, middle or right so you can specify the correct quantity of each piece.

## PLUS it's all in the SKU

You can specify all our kerbs using **only** their unique SKU.

Our kerb SKUs are built as ATK > Category > Family > Kerb

So ATK-CYC-002-6543 is from

Active Travel Kerb Cycle Kerbs 30-120x200 Family 1m Radius External Kerb

When you need other kerbs that match, look for the Family number (002 shown above), and everything will fit perfectly.

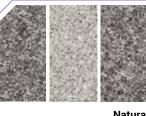
# finishing touches

ATK kerbs are available in light grey, dark grey & black standard concrete finish, but also in 11 colours of Kellen natural stone aggregate. Kellen kerbs utilise a stone & concrete mix during the production process to create a premium surface texture. We also custom manufacture from a variety of natural stone.









**Natural Stone** A variety of natural stone options





Kellen Mix 070



Kellen Black 100



Kellen White/Black 705



Concrete Dark Grey



Grey 012



Kellen White 701



Kellen Black 030



Kellen Grey/Black 032



Concrete Black



Black Glisten 160



Kellen Red/Black 250



Kellen Brown 300



Kellen Black/Green 130



# technical **expertise** on hand

We know that delivering successful active travel projects utilising such an expansive range of components can seem challenging, but Hardscape's unique specialist in-house team is with you from initial design advice & inspiration, through to specification, supply & install for your peace of mind.

### Unsure which kerbs to use for your desired layout?

Send us your drawing! Our team are working across the UK advising and guiding clients through these situations, advising on the most suitable kerbs and materials, enhancing safety, improving comfort, or ensuring long-term durability.

# Wondering if your solution is the simplest, safest or most cost-effective for the problem?

We can recommend tried and tested design approaches such as footway-level cycle lanes, intermediate levels, or continuous footways, to ensure the best outcomes for all users.

# Struggling to interpret a 2D CAD drawing that's utilising kerbs at multiple levels?

To bring designs to life, we can take a critical area of a project, such as a side road junction, and create detailed 3D studies. This helps demonstrate how different kerb configurations and layouts will function, providing clear, engaging visuals that make the scheme easier to understand for both clients and the public.

With Hardscape's technical support, active travel projects become more effective, intuitive, and visually compelling.









# helping you see the solution

It can be hard to visualise the impact an ATK design can have, but our 3D team work to combine their detailed knowledge of Active Travel developments with your scheme photography, to truly bring the solutions to life. This improves design time, aids public consultation and planning process, and provides reassurance throughout.







