

CHARCON

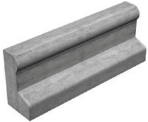
HARD LANDSCAPING

HGV KERB

TECHNICAL INFORMATION
www.aggregate.com/hgvkerb

HGV KERB

KERBS



THIS HIGH STRENGTH, ANTI-VEHICULAR KERB HAS BEEN SPECIFICALLY DESIGNED FOR BUSY TRAFFIC ROUTES AND ALL URBAN LOCATIONS WHERE IT IS ESSENTIAL TO ENSURE THAT VEHICLES REMAIN ON THE ROADWAY.

Designed to withstand HGV wheel impact.

Unique profile directs vehicles impacting on kerb back into the roadway.

Flat front face of kerb accepts directional signage.

Out-performs all other kerbs in withstanding vehicular impact damage.

To create extra stability, units are able to accept dowel bars.

APPLICATIONS

HGV kerb is specifically designed for busy traffic routes and all urban locations where it is essential to ensure that vehicles remain on the roadway.

MANUFACTURING STANDARD

HGV kerb is manufactured using a wet pressed process and is manufactured in accordance with and generally complies with relevant sections of BS EN 1340: Concrete Kerb Units – requirements and test methods.

Aggregate Industries fully operates an accredited Quality Assurance scheme, certified to BS EN 9001:2008 which is independently and regularly assessed by BSI (British Standards Institution). All Aggregate Industries manufacturing sites are also certified to BS EN 14001 Environmental Management Systems.

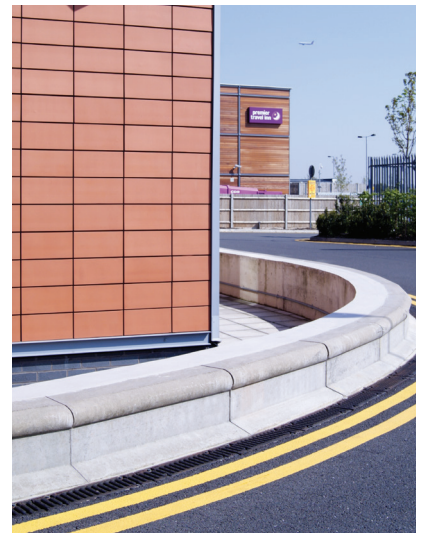
PERFORMANCE WITH SLIP RESISTANCE

Unpolished slip resistance values, when tested in accordance with BS EN 1340, are available on request. All Aggregate Industries kerb units are classified as having a low potential for slip.

Polished slip resistance values can be provided on request.

COMPLEMENTARY PRODUCTS

Designed for use with British Standard kerb.



COLOUR SWATCH



1. Grey

PRODUCT DATA				
Type	Main unit	Half unit	Radius unit*	Dropper unit (types A&B)^
Length (mm)	1000	500	Various	1000
Height (mm)	415	415	415	415-318
Width (top/base) (mm)	215/310	215/310	215/310	170/215
Weight (approx. kg)	220	110	Varies	Varies
Colours	Grey	Grey	Grey	Grey



Q10.
For NBS clauses, refer to Aggregate Industries technical services.

* Radius units: available in 36/12, 11/7, 6/4.5, 3, 2 and 1.5 metre external radius versions, plus 36/12, 11/7, 6/4.5 and 3 metre internal radius versions. All radius units are made to order.

^ Transition units: left hand and right hand versions, types A and B are both required to create transition from HGV kerb to British Standard kerb 125x255mm HB2.

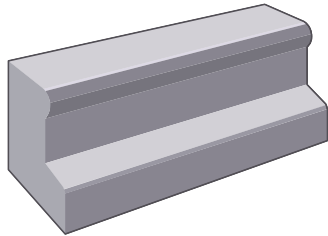
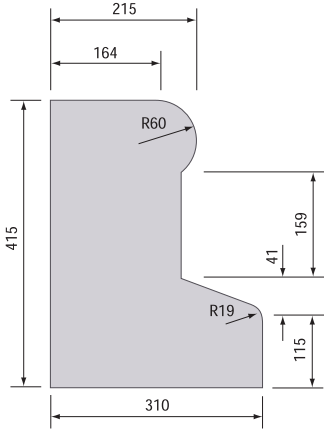
Quadrant sizes available: 415x310x90, 415x310x60, 415x310x45. Internal angle 90° angle. Dowel bar HGV kerb available to order.



HGV KERB

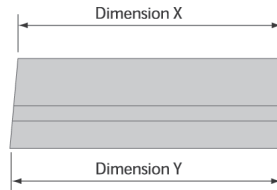
KERBS

MAIN UNIT

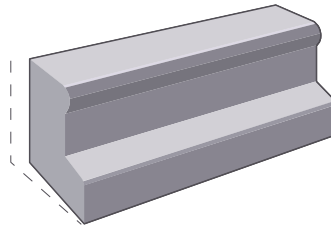


EXTERNAL RADIUS UNITS

Radius unit designation	Dimension X	Dimension Y
36/12	958mm	975mm
11/7	940mm	975mm
6/4.5	916mm	975mm
3	602mm	672mm
2	441mm	523mm
1.5	311mm	392mm

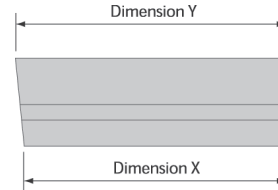


HGV kerb external radius plan view.

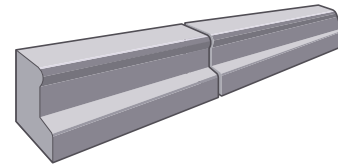


INTERNAL RADIUS UNITS

Radius unit designation	Dimension X	Dimension Y
36/12	958mm	975mm
11/7	940mm	975mm
6/4.5	916mm	975mm
3	602mm	672mm



HGV kerb internal radius plan view.



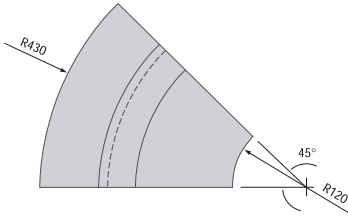
Transition units to HB2 kerb (left hand version shown).



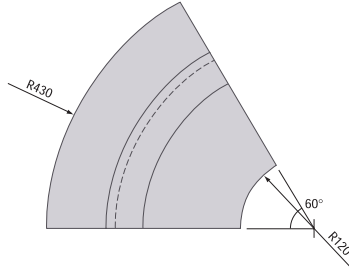
HGV KERB

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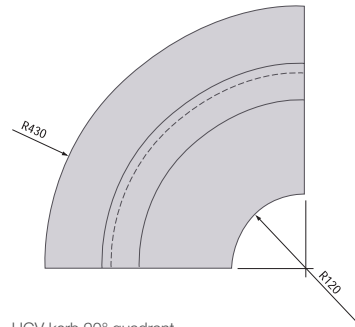
QUADRANTS AND ANGLES



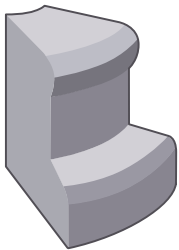
HGV kerb 45° quadrant.



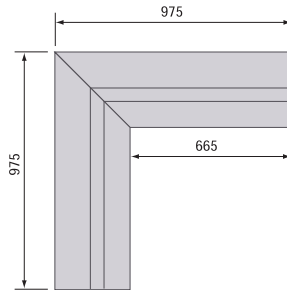
HGV kerb 60° quadrant.



HGV kerb 90° quadrant



Quadrant.



KGV kerb internal 90° angle plan view.

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DESIGN STANDARDS

All installations should be detailed and constructed in accordance with BS7533: Part 6.

HGV KERB

SUB-GRADE

As for adjoining paved areas.

SUB-BASE

Material: granular sub-base type 1.

Compacted depth: 150mm min.

BEDDING AND HAUNCHING

Material: concrete (grade ST1).

Minimum dimensions: (see Fig.2).

Note: When using HGV with dowel holes, it is necessary to lay the kerbs on a fresh concrete kerb race and hammer the dowel bars into the race after unit is placed. The holes should then be grouted as specified by the engineer (see figs 3 and 4).

DETAILING

Radii: Select from 36/12, 11/7, 6/4.5, 3, 2, or 1.5 metre radius units to form required radius kerb-line.

Angles: Select 45°, 60°, or 90° quadrants as required.

Transitions: Use 2-component transitions between HGV kerb and standard HB2 kerbing.

HAUNCHING

All kerbing should normally be haunched with concrete to ensure full stability and support for adjacent paving and to help withstand occasional vehicular impact.

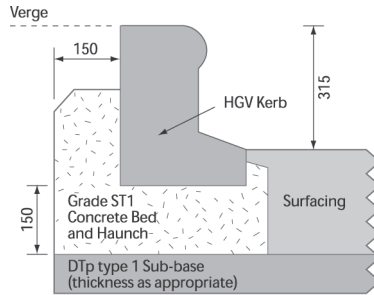


Fig 2. HGV Kerb: bedding/haunching

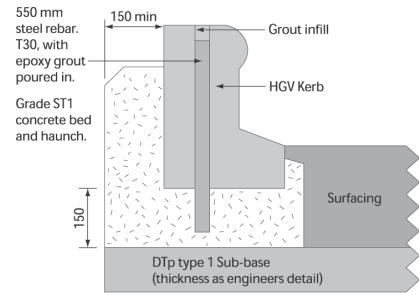


Fig 3. HGV Kerb: HGV with dowel bar detail – typical detail of new installation

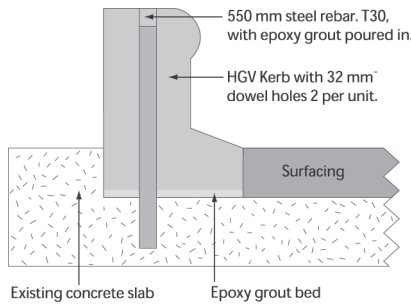


Fig 4. HGV Kerb: HGV with dowel bar – typical detail for use on bridge deck, etc.

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SUSTAINABILITY AND LOCAL SOURCING

ENERGY USE: Aggregate Industries is at the forefront of sustainability and has committed to reduce carbon emissions by 20% by 2016 based on a 2012 base line.

RECYCLABLE: 100% of the product can be recycled thus reducing the amount of material that is sent to landfill.

MANUFACTURING LOCATION:

Produced in the UK, with locally sourced materials under strict environmental and social legislation, for local supply.

RESPONSIBLE SOURCING: Aggregate Industries is the first company in the world to achieve a BES 6001:2008 Responsible Sourcing Certificate from BRE Global. Products are assessed on:

Quality management.

Environmental management.

Health and safety management.

Greenhouse gas emissions.

Minimising raw material usage.

Labour practice.

Biodiversity.

Community engagement.

KEY AGGREGATES AND RECYCLED CONTENT

HGV kerb is manufactured using high quality, hard wearing granite aggregates.

GENERIC GREEN GUIDE RATING*

Not applicable.

POLICIES

Aggregate Industries' policies on the environment and community, health and safety and sustainable solutions for different product applications can be viewed on our website www.aggregate.com

DESIGN AND INSTALLATION

For successful installation refer to BS 7533 Part 6. For specific design, installation and maintenance guidance, please contact our technical department on 01335 372222.

MAINTENANCE AND CLEANING

Aggregate Industries can supply on request advice on specific stain removal and general maintenance, suitable cleaning products and referrals to specialist cleaning companies.

COSHH DATA

Full COSHH data on the Charcon range of products is available on request. Please call the technical helpline on 01335 372222.

TECHNICAL SUPPORT

DETAILED GUIDANCE AND ASSISTANCE WITH THE PREPARATION OF SPECIFICATION OF THE CHARCON RANGE OF HARD LANDSCAPING PRODUCTS, INCLUDING MODEL CLAUSES, IS AVAILABLE THROUGH THE SALES OFFICE. A FREE TECHNICAL DESIGN SERVICE IS ALSO AVAILABLE.

FOR FURTHER INFORMATION, PLEASE REFER TO OUR TECHNICAL SERVICES ON 01335 372222.

*Ratings based upon generic green guide values (2009) supplied by BRE Global Ltd, www.thegreenguide.co.uk

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