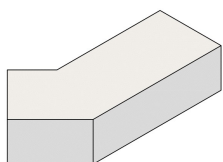


Wienerberger Technical Guidance

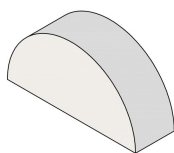
DIMENSIONS AND TOLERANCES - SPECIAL SHAPES

Wienerberger produce the full range of special shapes described in BS 4729, 'Clay and calcium silicate bricks of special shape and sizes—recommendations', plus hundreds of purpose made shapes to fulfil all requirements. The shape and dimensions of bricks that have been traditionally used in the UK and have been described by the 10 groups listed in BS 4729 (shown below), and are given in Tables B1 to B10 in this Standard.

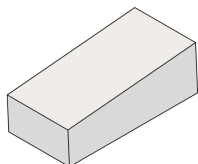
Special shape groups



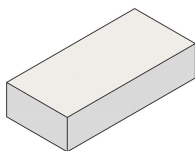
Angle & cant bricks **(AN)**



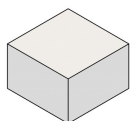
Capping & coping bricks **(CP)**



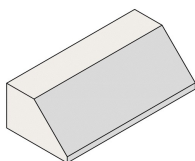
Arch **(AR)**



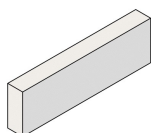
Cuboid bricks **(CB)**



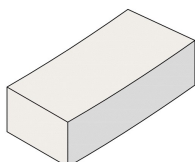
Bonding bricks **(BD)**



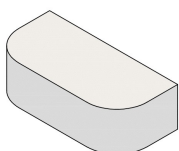
Plinth bricks **(PL)**



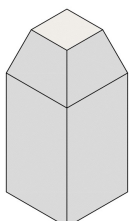
Slips **(SL)**



Radial bricks **(RD)**



Bullnose bricks **(BN)**



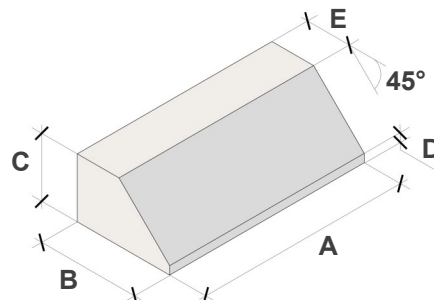
Soldier bricks **(SD)**

When measuring special shaped bricks to determine whether they are within the quoted size tolerance, the T2, T1 or Tm category should firstly be determined by checking what is quoted for the mainline product.

The same method is employed as measuring standard bricks on site using the PAS 70 test (see also 'Dimensions and Tolerances' Technical Guidance Sheet). For clay bricks that are not the traditional cuboid shape, the key dimensions for measurement are those noted in BS 4729 as A, B and C.

Using a sample of ten special shapes, the A, B and C dimensions should be measured to the accuracy outlined in BS EN 772-16 ie. a single measurement across the centre of the unit. A mean of ten measurements is then calculated.

Where special shapes in BS 4729 feature angles, these should be checked using a protractor to a tolerance of $\pm 1^\circ$ and the maximum deviation of the mean value of a sample of ten from the values stated on BS 4729 should be $\pm 1^\circ$.



	TOLERANCE CATEGORIES		
WORK SIZE	T2	T1	TM
Length 215	3mm	5mm	Option for manufactures to declare own limits
Width 102.5	2mm	3mm	
Height 65	1mm	2mm	