

Architectural dimensions cheat sheet

Bricks, stairs and ramps.

A reference sheet from brickdims.com, free UK architecture tools.

01 BRICKWORK

Standard UK brick, 215 × 102.5 × 65 mm, 10 mm joints

CO- $n \times 225 - 10$

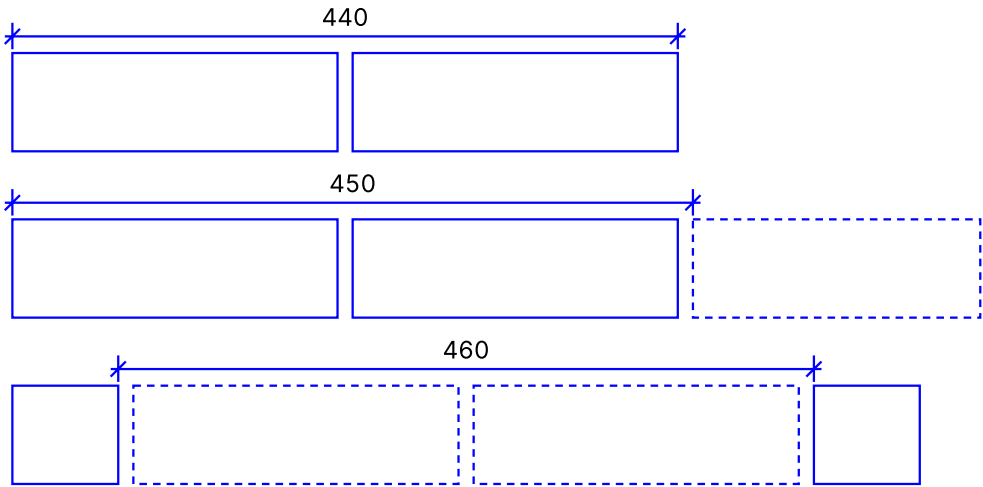
Dimension of brickwork between openings. E.g. width of brickwork between windows or doors.

CO $n \times 225$

Coordinating dimension. E.g. standard dimension used to coordinate lengths of walls.

CO+ $n \times 225 + 10$

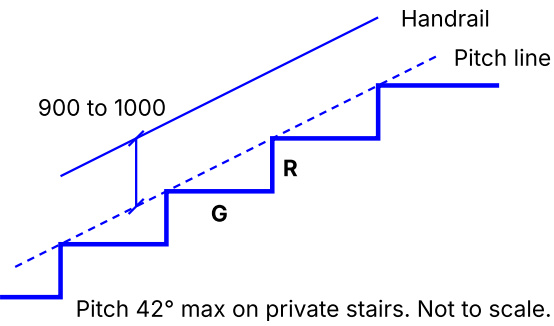
Dimension of opening in brickwork. E.g. width of a window or door opening.



Shown for 2 bricks at 1:5. Dashed bricks show where the next ones go.

Bricks	½	1	1½	2	2½	3	3½	4	4½	5	5½	6
CO-	102.5	215	327.5	440	552.5	665	777.5	890	1002.5	1115	1227.5	1340
CO	112.5	225	337.5	450	562.5	675	787.5	900	1012.5	1125	1237.5	1350
CO+	122.5	235	347.5	460	572.5	685	797.5	910	1022.5	1135	1247.5	1360

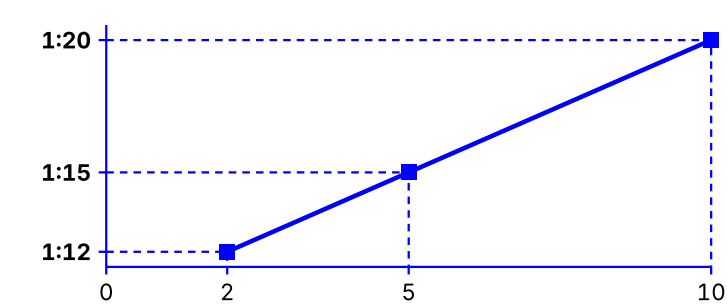
02 STAIRS, AD K



Stair	Rise	Going
Private	150–220	220–300
Utility	150–190	250–400
General access	150–170	250–400

2R + G between 550 and 700
Headroom 2000 min (less allowed in loft conversions)
Landings top and bottom, at least the flight width
Handrail both sides if the stair is 1000 wide or more
Guarding 900 in dwellings, 1100 on external balconies
No 100 mm gaps in balustrades or open risers

03 RAMPS AND LANDINGS, AD M

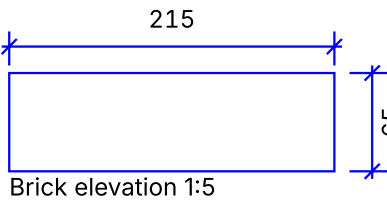
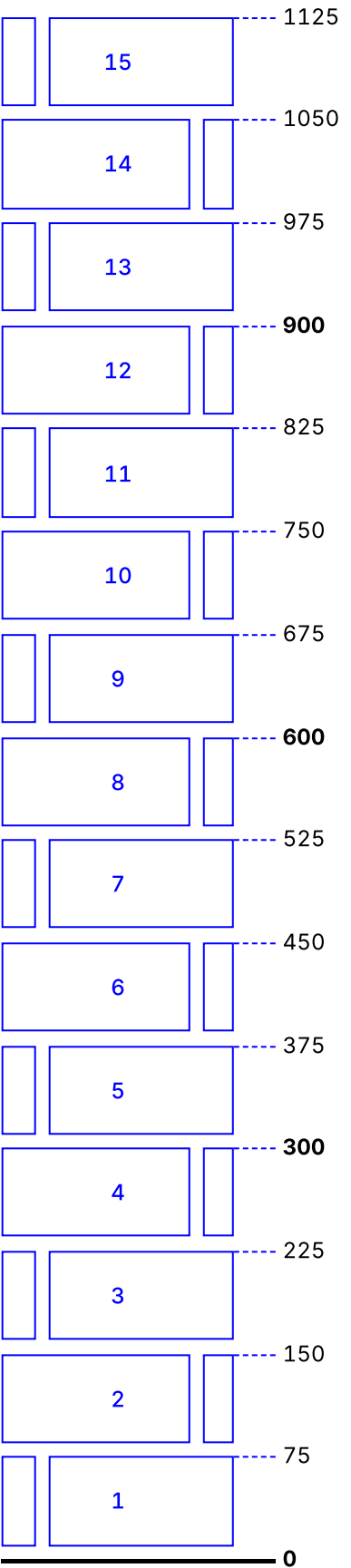


Max gradient against going of a flight (m). Interpolate between.

Gradient	Max going	Max rise
1:20	10 m	500
1:15	5 m	333
1:12	2 m	166

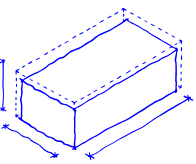
Clear width 1500 min
Top and bottom landings 1200 long, clear of door swings
Intermediate landings 1500 long, clear of door swings
Passing places 1800 × 1800 on longer ramps
Handrails both sides, 100 kerb on open sides

COURSING GAUGE
1:5 at A3. Course no. on the brick, height in mm.

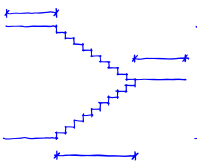


brickdims.com

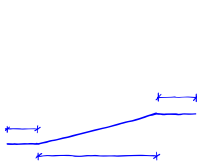
Scan for 15+ free tools, including:



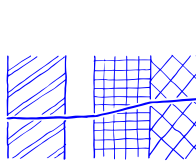
Brick dimensions
Coursing sizes, CO, CO+ and CO-



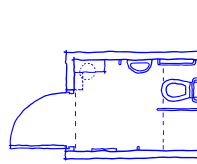
Stair
Rise and going checked against AD K



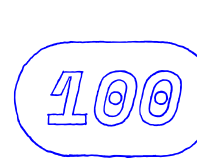
Ramp and landing
Gradients against AD M



U-value
Wall build-ups against AD L



Accessible WC
Setting out dimensions



The Pay 100
UK architecture salaries by role and region

NOTE
Results are indicative only. Always check the current Approved Documents.

INSTAGRAM
[@brickdims](https://www.instagram.com/brickdims)

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SCALE 1:5 AT A3
0 100 200 300 mm