

N_d	design axial load resistance (N)
N_{dz}	design axial load resistance of column, ignoring all bending (N)
P, P_e	prestressing forces
p	overall section dimension in a direction perpendicular to the x axis (mm)
Q	moment of resistance factor (N/mm ²)
Q_k	characteristic imposed load (N)
q	overall section dimension in a direction perpendicular to the y axis (mm)
q_{lat}	design lateral strength per unit area
q_0, q_1, q_2	transverse or lateral pressure
t	overall thickness of a wall or column (mm)
t_{ef}	effective thickness of a wall or column (mm)
t_f	thickness of a flange in a pocket-type wall (mm)
V	shear force due to design loads (N)
v, v_h	shear stress due to design loads (N/mm ²)
W_k	characteristic wind load (N)
Z, Z_1, Z_2	section modulus (mm ³)
z	lever arm (mm)
α	bending moment coefficient for laterally loaded panels in BS 5628
β	capacity reduction factor for walls allowing for effects of slenderness and eccentricity
γ_f	partial safety factor for load
γ_m	partial safety factor for material
γ_{mb}	partial safety factor for bond strength between mortar or concrete infill and steel
γ_{mm}	partial safety factor for compressive strength of masonry
γ_{ms}	partial safety factor for strength of steel
γ_{mv}	partial safety factor for shear strength of masonry
ϵ	strain as defined in text
λ_1, λ_2	stress block factors
μ_f	coefficients of friction
ν_b, ν_m	Poisson's ratio for brick and mortar
ν_x, ν_y	Poisson's ratios in x and y direction
μ	orthogonal ratio
ρ	A_s/bd
σ	compressive stress
σ_b	compressive stress in brick
σ_m	compressive stress in mortar or in masonry
σ_s	stress in steel
ϕ	creep loss factor

EC6 (WHERE DIFFERENT FROM BS 5628)

e_a	eccentricity resulting from construction inaccuracies
e_{hi}	eccentricity resulting from lateral loads
e_i	eccentricity at top or bottom of wall
e_k	eccentricity allowance for creep
e_{mk}	eccentricity at mid-height of wall
f_b	normalized unit compressive strength
f_m	specified compressive strength of mortar
f_{tk}	characteristic tensile strength of steel
f_{vk}	characteristic shear strength of masonry
f_{yk0}	shear strength of masonry under zero compressive stress
f_{yk}	characteristic yield strength of steel
I	second moment of area
K	constant concerned with characteristic strength of masonry
k	stiffness factor
L	distance between centres of stiffening walls
l_c	compressed length of wall
l_e	effective length or span
M_i	design bending moment at top or bottom of a wall
M_m	design bending moment at mid-height of a wall
M_{RD}	design bending moment of a beam
N_i	design vertical load at top or bottom of a wall
N_{RD}	design vertical load resistance per unit length
W	distributed load on a floor slab
γ_G	partial safety factor for permanent actions
γ_Q	partial safety factor for variable actions
γ_P	partial safety factor for prestressing
γ_s	partial safety factor for steel
δ	shape factor for masonry units
$\Phi_{i,m}$	capacity reduction factor allowing for the effects of slenderness and eccentricity
Φ_∞	final creep coefficient
ρ_n	reduction factor for wall supported on vertical edges
σ_d	design compressive stress normal to the shear stress