

CONCRETE – EC-EN – Design – Reinforcement design

Error code	Error message	Explanation
E1	<i>The stirrups of provided reinforcement are not created.</i>	To change type of provided stirrups, cover of reinforcement or dimension of cross-section.

Warning code	Warning message	Explanation
W1	<i>The required reinforcement exceed maximal area of reinforcement.</i>	To increase diameter of reinforcement or dimension of cross-section.
W2	<i>The basic provided reinforcement exceed maximal area of reinforcement.</i>	To increase dimension of cross-section.
W3	<i>The additional provided reinforcement exceed maximal area of reinforcement.</i>	To increase dimension of cross-section.
W4	<i>The shear required reinforcement exceed maximal area of shear reinforcement.</i>	To increase dimension of cross-section.
W5	<i>The shear provided reinforcement exceed maximal area of shear reinforcement.</i>	To increase dimension of cross-section.
W6	<i>The required reinforcement is bigger than provided reinforcement.</i>	To increase number or diameter of basic or additional reinforcement.
W7	<i>The bars of provided longitudinal reinforcement are overlapped.</i>	To increase diameter of basic/additional reinforcement, quality of materials or dimension of cross-section.
W8	<i>The centre to centre spacing of bars longitudinal reinforcement is bigger than maximum spacing.</i>	To increase diameter of basic/additional reinforcement, check ON detailing provisions or change dimension of cross-section.
W9	<i>The surface to surface spacing of bars longitudinal reinforcement is smaller than minimum spacing.</i>	To increase diameter of basic/additional reinforcement, check ON detailing provisions or change dimension of cross-section.
W10	<i>Conversion of provided reinforcement is not supported for this cross-section.</i>	/

Note code	Note message	Explanation
N1	<i>The minimum diameter of longitudinal bar is taken into account for design of longitudinal reinforcement.</i>	/
N2	<i>The basic provided reinforcement is non-symmetrical.</i>	To change number of basic reinforcement or shape of the stirrup.
N3	<i>The additional provided reinforcement is non-symmetrical.</i>	To change number of additional or basic reinforcement or shape of the stirrup.
N4	<i>The detailing provided reinforcement is non-symmetrical.</i>	To change number of additional or basic reinforcement or shape of the stirrup.
N5	<i>The diameter of additional provided reinforcement was changed because the same diameter at whole length of the member.</i>	/
N6	<i>The number additional provided reinforcement was changed because unifying reinforcement above support.</i>	/
N7	<i>The number additional provided reinforcement was changed because taking into account number of bars in neighbouring sections.</i>	/

<b>N8</b>	<i>The number, diameter of basic and additional reinforcement was changed, because uniformly distribution reinforcement at whole length of column.</i>	/
<b>N9</b>	<i>The number additional provided reinforcement was changed because minimum length of reinforcement.</i>	/
<b>N10</b>	<i>The spacing of shear reinforcement was changed, because creating shear zones.</i>	/