

# Rebar Configurations - Support

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Define rebar shapes to be placed at beam ends.

Beam Reinforcement Configurations

Available sections  
 Rectangular  
 L Shape  
 IT Shape

Configuration : test supports video [Save] [Save As] [Rename] [Delete]

Layout Settings

	Face Position	Min search distance	Max search distance	Bar shape	Rebar bar type	Bar length	Extend distance	Anchorage length	End Cover
1	Start & End	0 mm	2000 mm	UShape	H8	600 mm	0 mm	0 mm	30 mm
2	Start & End	0 mm	2000 mm	UShape90	H8	600 mm	0 mm	0 mm	38 mm

  

Layout rule	Count	Spacing	Top Cover	Bottom Cover	Left Cover	Right Cover
1	Center	50	120 mm	30 mm	30 mm	40 mm
2	Center	40	120 mm	50 mm	50 mm	30 mm

**Face Position** - select where rebar should be created: at one end of the beam, or both.

**Min/Max search distance** - important if your beam has cuts at supports

	Face Position	Min search distance	Max search distance	Bar shape	Rebar bar type
1	Start & End	0 mm	100 mm	UShape	H8

	Face Position	Min search distance	Max search distance	Bar shape	Rebar bar type
1	Start & End	50 mm	300 mm	UShape	H8

**Bar shape** - select from available rebar shapes.

**Rebar bar type** - select rebar type that should be used for these bars.

**End Cover** - used to define cover from the end of the beam. (Not active if Extend distance parameter is used.)

**Bar length** - length of selected bar. (Not active if Extend distance parameter is used.)

**Extend distance** - extension distance from the end of the beam. (Not active if End Cover is used.)

**Anchorage length** - anchorage distance of selected bar. (Not active if End Cover is used.)

**Layout rule** - select how rebar should be distributed in other direction

**Count** and **Spacing** - define parameters for Layout rule

**Top, Bottom, Left, Right** - covers to define size of element and restrictions for layout

The diagram illustrates a rebar configuration for a beam cross-section. The beam has a total width of 200 mm and a height of 150 mm. The top reinforcement consists of 3 bars with a spacing of 80 mm, and the bottom reinforcement consists of 3 bars with a spacing of 80 mm. The top cover is 50 mm, and the bottom cover is 50 mm. The left and right covers are 30 mm. The diagram shows the rebar layout with dimensions and two configuration tables.

Face Position	Min search distance	Max search distance	Bar shape	Rebar bar type
2 Start & End	0 mm	50 mm	UShape9L	H8

Layout rule	Count	Spacing	Top Cover	Bottom Cover	Left Cover	Right Cover
2 Center	50	150 mm	50 mm	50 mm	30 mm	30 mm

Face Position	Min search distance	Max search distance	Bar shape	Rebar bar type
1 Start & End	50 mm	300 mm	UShape9L	H8

Layout rule	Count	Spacing	Top Cover	Bottom Cover	Left Cover	Right Cover
1 Start	3	80 mm	50 mm	50 mm	30 mm	30 mm