

# Precast Stairs

Precasting stairs for our clients allows them to speed up their construction time line on site. The stairs can either be individual steps and landings typically with steel stringers or full flight landing included.

Formstress can provide you with the individual steps that would typically be bolted to the steel stringers.

## Design Considerations:

### Full Flights:

- Check that the precast unit will fit on a truck. Typically nothing wider than 3.5m.
- A major cost implication is the mould. Each time we come across a new step height we need to have to have a new steel mould made. Keep the number of moulds down and the overall price will be minimised for your client.



- We would recommend that these steps not be less than 60mm tick (spanning 900mm) and landings not to be less than 100mm thick.
- Fixing the steps to the stringers can be a problem with the thin nature of the steps. We would recommend cast in inserts each side
- Precast stair units typically come to site with Reid lifting eyes cast in the top and bottom surfaces due to the fact that they would have been cast upside down and turned over in the yard. If eyes are required in specific locations (edge lifting) please notify Formstress. Site personnel should ensure chains and strops are of the correct length and not more than 30 degrees of vertical.

## General Notes:

Precast stair units typically come to site with lifting eyes cast in the top and bottom surfaces. If eyes are required in specific locations (edge lifting) please notify Formstress. Site personnel should ensure chains and strops are of the correct length and not more than 30 degrees of vertical.