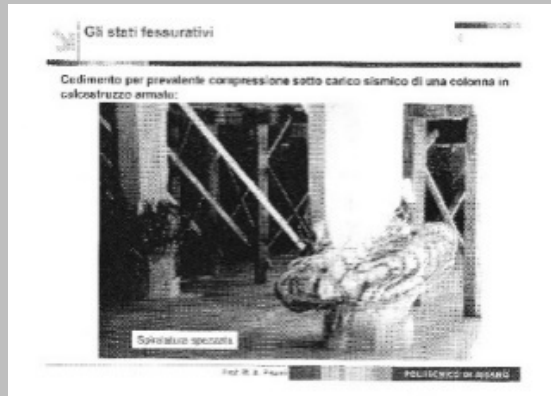
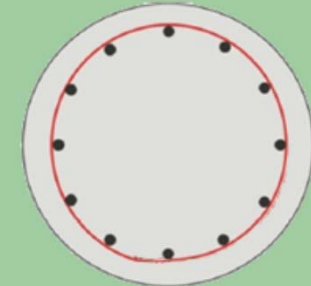
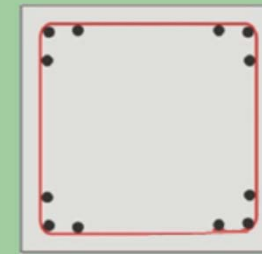


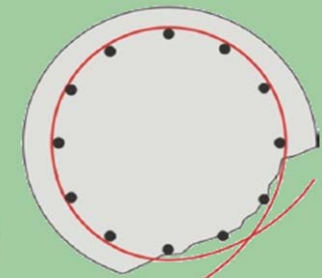
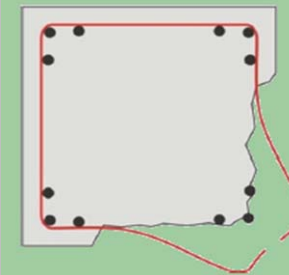
Closed stirrups for Diaphragm and Piles



Closed stirrups
better concrete confinement



Open stirrups



Closed stirrups:

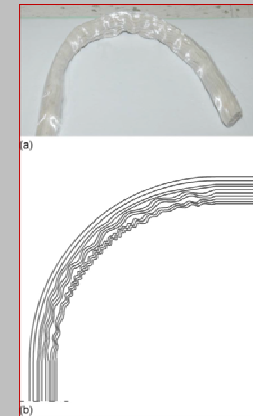
- better concrete confinement
- complying with seismic regulations
- ease and assembly speed
- greater stiffness of the cage during handling and installation
- advantage for diaphragms at the anchoring points: improved punching at the anchors

Closed stirrups for diaphragm and Piles

Closed Stirrups - better performance

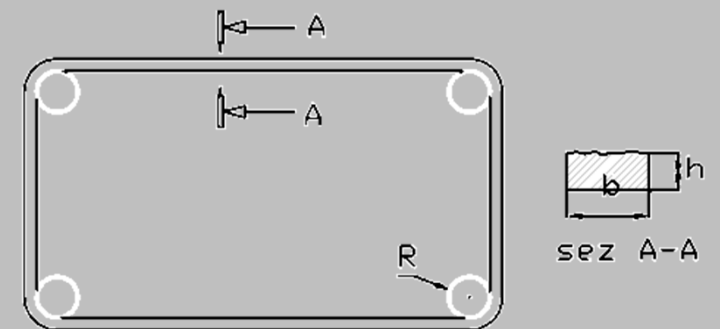
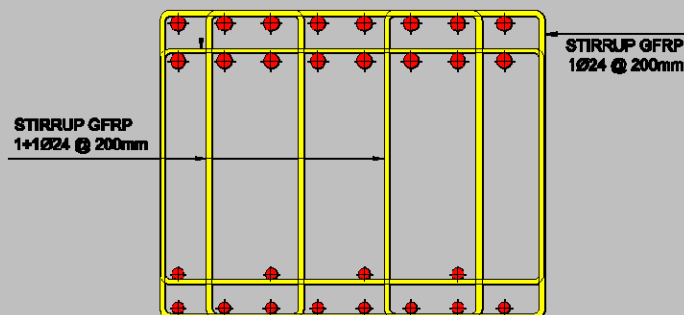
GFRP rebars cannot be bent after production. When a bar is bent, before the complete polymerization, the alignment of the fibers is lost, resulting in lower mechanical properties. Our technology allows us to align the fibers before starting polymerization, which results in better mechanical performance

typical defects of the bent GFRP rebars



Closed stirrups - smaller bent radius

Closed stirrup technology also allow a lower radius of curvature, similar to steel (average 25 mm) this allows for better and more accurate assembly.



GFRP closed stirrups are making the GFRP cage stiffer
GFRP stiffening plates are bracing adequately the cage during
handling and lifting

