Fletcher Reinforcing "Combi" Stirrups

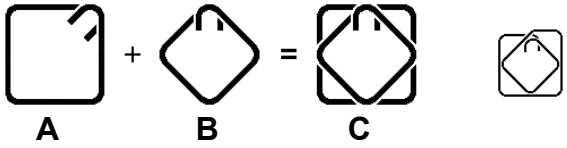
What Are "Combi" Stirrups

A Fletcher Reinforcing "Combi" stirrup is one that is a combination of what would have previously been two or more stirrups. These stirrups can save you a significant amount of fabrication time on site. It also creates less congestion thus creating more space for concrete flow and vibrator access within the reinforcing cage during construction. The idea came after studying practices in overseas countries that are in seismic zones. In many circumstances, there would also be a reduction in the weight of bar used.

The principal use of a "combi" stirrup is in a column. It was previously considered to be acceptable to have four bars in a column of a multi storey building. Today, it is normal for a column to require at least eight bars.

Stirrup Types

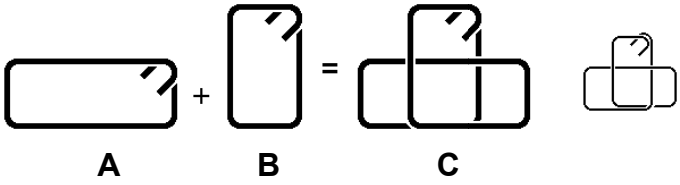
Stirrup Type FR11



FR11 Example – R12

Stirrup	Size	Cut Length
A	600x600	2600
B	445x445	1980
Total for A + B		**4580**
C	**600x600**	**4400**

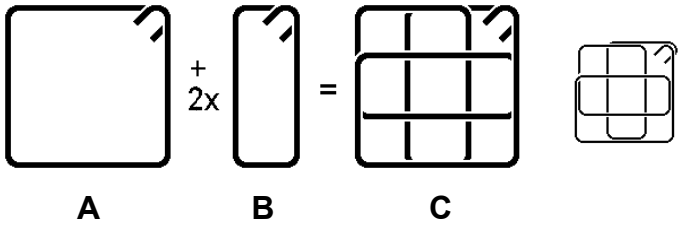
Stirrup Type FR41



FR41 Example – R12

Stirrup	Size	Cut Length
A	300x600	2000
B	600x300	2000
Total for A + B		**4000**
C	**n/a**	**3720**

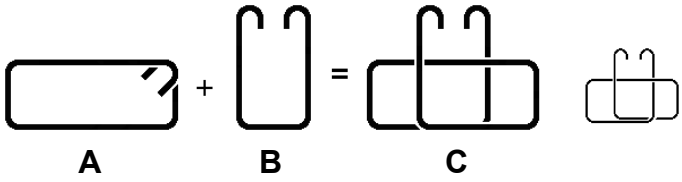
Stirrup Type FR21



FR21 Example – R12

Stirrup	Size	Cut Length
A	600x600	2600
B	600x240	1880
Total for A + 2x B		**6360**
C	**600x600**	**5860**

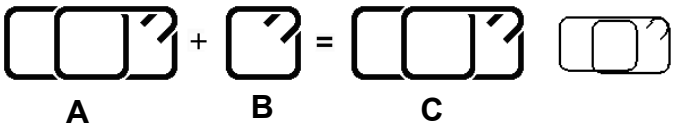
Stirrup Type FR42



FR41 Example – R12

Stirrup	Size	Cut Length
A	300x600	2000
B	600x300	1720
Total for A + B		**3720**
C	**n/a**	**3440**

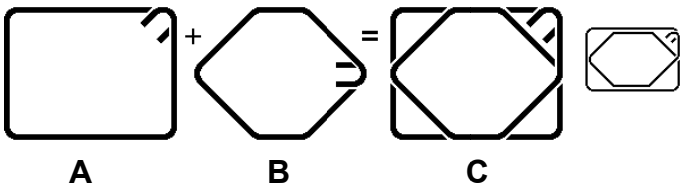
Stirrup Type FR31



FR31 Example – R12

Stirrup	Size	Cut Length
A	600x300	2000
B	300x300	1400
Total for A + B		**3400**
C	**600x300**	**3140**

Stirrup Type FR51



FR51 Example – R12

Stirrup	Size	Cut Length
A	300x600	2000
B	600x300	1700
Total for A + B		**3700**
C	**n/a**	**3460**