

# GOOD PRACTICE INFORMATION

## Rebar Tying Tool



### Problem:

Installing rebar i.e. manually tying rebar with pliers, can result in individuals adopting awkward postures, with the potential to result in musculoskeletal disorders.

### Solution:

C336 Paddington New Yard, researched opportunities for reducing the physical load experienced by individuals installing rebar and trialed two battery operated rebar tools. The tools differed in size (Max Re-BAR TIER RB397 which could tie rebar bars between 20-39mm, and Max Re-BAR TIER RB655 which could tie rebar bars between 20-65mm).

The tools eliminated the need for stooping when tying rebar on a horizontal platform. Outcomes of the trial were positive with the Max Re-BAR TIER RB655 preferred as it suited the size of bars used on site. Further trials are ongoing to help maximise usage where possible.

### Outcomes:

- ✓ Reduced manual fixing.
- ✓ Increased personal safety i.e. wrist repetitive strain injuries.
- ✓ Environmental benefits i.e. less tie wire wastage.
- ✓ Bar diameters and geometry of steel structures should be assessed before deciding which model/tool to use. Single wrap not strong enough requiring wrap to be repeated.
- ✓ 65mm maximum diameter tie so cannot undertake all ties required
- ✓ Supported by steel fixers with up to 20 years experience



Re-BAR TIER RB655



Multi wrapped bars

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