

# CONCRETE REINFORCING

## REINFORCING MESH

Used for reinforcing of concrete, British Standard preferred stock size sheets 3600 x 2400, merchant size sheets of 3600 x 2000 are available in A142.

Reference	Longitudinal Wires			Cross Wires			Mass		Sheet Size mm
	Size mm	Pitch mm	Area mm <sup>2</sup> /m	Size mm	Pitch mm	Area mm <sup>2</sup> /m	kg/m <sup>2</sup>	kg/sheet	
A393	10	200	393	10	200	393	6.16	70.96	4800 x 2400
A252	8	200	252	8	200	252	3.95	45.50	4800 x 2400
A193	7	200	193	7	200	193	3.02	34.79	4800 x 2400
A142	6	200	142	6	200	142	2.22	25.57	4800 x 2400
A98	5	200	98	5	200	98	1.54	17.74	4800 x 2400
B1131	12	100	1131	8	200	252	10.9	125.57	4800 x 2400
B785	10	100	785	8	200	252	8.14	93.77	4800 x 2400
B503	8	100	503	8	200	252	5.93	68.31	4800 x 2400
B385	7	100	385	7	200	193	4.53	52.19	4800 x 2400
B283	6	100	283	7	200	193	3.73	42.97	4800 x 2400
B196	5	100	196	7	200	193	3.05	35.14	4800 x 2400
C785	10	100	785	6	400	70.8	6.72	77.41	4800 x 2400
C636	9	100	636	6	400	70.8	5.55	63.94	4800 x 2400
C503	8	100	503	6	400	49.0	4.51	51.96	4800 x 2400
C385	7	100	385	6	400	49.0	3.58	41.24	4800 x 2400
C283	6	100	283	6	400	49.0	2.78	32.03	4800 x 2400
D 40	2.5	100	49	2.5	100	49.0	0.77	8.87	4800 x 2400
A142M	6	200	142	6	200	142	2.22	15.98	3600 X 2000
A193M	7	200	193	7	200	193	3.02	21.74	3600 X 2000

### Bar diameters and weights

Size mm	6	8	10	12	16	20	25	32	40
Area mm <sup>2</sup>	28.3	50.3	78.5	113.0	201.0	314.0	491.0	804.0	1257.0
Weight kg/m	0.222	0.395	0.617	0.888	1.58	2.47	3.85	6.31	9.86
Approx number of 12m bars/tonne	375	211	135	94	53	34	22	13	8

### ACCESSORIES



**Tying wire**  
16 Gauge  
20 kg Real



**Wire loop ties**  
50 & 200 mm



**Continuous high chairs**  
50, 75, 100 & 125 mm



**Ground floor spacers**



**Concrete spacers**  
40/50



**Tying wire tool**

# CONCRETE REINFORCING

## REINFORCING SCHEDULES

### HIGH YIELD STEEL BAR






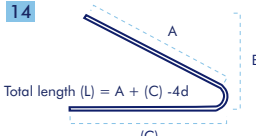
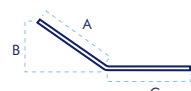
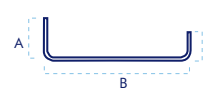
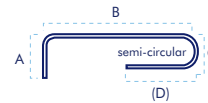

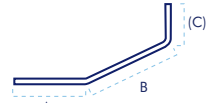
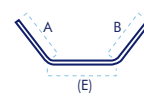
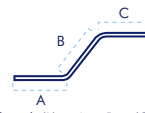
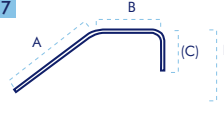
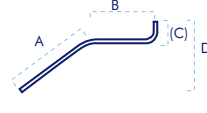
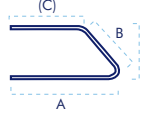


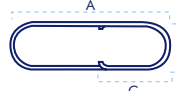
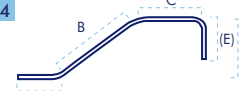
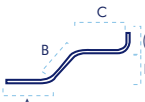
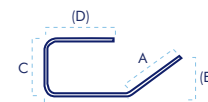
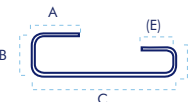

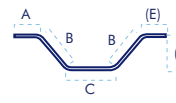

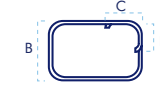
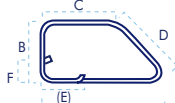
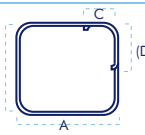
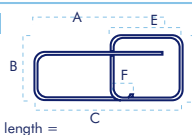
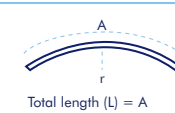


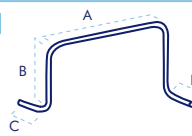
Weldable grade 460N/mm<sup>2</sup> bars to BS4449, classified as deformed type 2. Available in standard lengths up to 14m or cut or bent to customer requirements in accordance with BS8666:2000. Longer lengths available as special order.

### PLAIN ROUND STEEL BAR

Weldable grade 250N/mm<sup>2</sup> bars to BS4449. Available in standard lengths up to 12m or cut or bent to customer requirements in accordance with BS8666:2000. Longer lengths available as special order.

### Bar Reinforcement Shape Codes

All bar bending is available including the selection shown here. Full details on request.

<p><b>00</b></p>  <p>Total length (L) = A</p>	<p><b>01</b></p>  <p>Total length (L) = A</p>	<p><b>11</b></p>  <p>Total length (L) = A + (B) - 0.5r - d</p>	<p><b>12</b></p>  <p>Total length (L) = A + (B) - 0.43r - 1.2d</p>
<p><b>13</b></p>  <p>Total length (L) = A + 0.57B + C - 1.6d</p>	<p><b>14</b></p>  <p>Total length (L) = A + (C) - 4d</p>	<p><b>15</b></p>  <p>Total length (L) = A + (C)</p>	<p><b>21</b></p>  <p>Total length (L) = A + B + (C) - r - 2d</p>
<p><b>22</b></p>  <p>Total length (L) = A + B + C + (D) - 1.5r - 3d</p>	<p><b>23</b></p>  <p>Total length (L) = A + B + (C) - r - 2d</p>	<p><b>24</b></p>  <p>Total length (L) = A + B + (C)</p>	<p><b>25</b></p>  <p>Total length (L) = A + B + (E)</p>
<p><b>26</b></p>  <p>Total length (L) = A + B + (C)</p>	<p><b>27</b></p>  <p>Total length (L) = A + B + (C) - 0.5r - d</p>	<p><b>28</b></p>  <p>Total length (L) = A + B + (C) - 0.5r - d</p>	<p><b>29</b></p>  <p>Total length (L) = A + B + (C) - r - 2d</p>
<p><b>31</b></p>  <p>Total length (L) = A + B + C + (D) - 1.5r - 3d</p>	<p><b>32</b></p>  <p>Total length (L) = A + B + C + (D) - 1.5r - 3d</p>	<p><b>33</b></p>  <p>Total length (L) = 2A + 1.7B + 2(C) - 4d</p>	<p><b>34</b></p>  <p>Total length (L) = A + B + C + (E) - 0.5r - d</p>
<p><b>35</b></p>  <p>Total length (L) = A + B + C + (E) - 0.5r - d</p>	<p><b>36</b></p>  <p>Total length (L) = A + B + C + (D) - r - 2d</p>	<p><b>41</b></p>  <p>Total length (L) = A + B + C + D + (E) - 2r - 4d</p>	<p><b>44</b></p>  <p>Total length (L) = A + B + C + D + (E) - 2r - 4d</p>
<p><b>46</b></p>  <p>Total length (L) = A + 2B + C + (E)</p>	<p><b>47</b></p>  <p>Total length (L) = 2A + B + 2C + 5r - 3d</p>	<p><b>51</b></p>  <p>Total length (L) = 2(A + B + (C)) - 2.5r - 5d</p>	<p><b>56</b></p>  <p>Total length (L) = A + B + C + D + 2(E) - 2.5r - 5d</p>
<p><b>63</b></p>  <p>Total length (L) = 2A + 3B + 2(C) - 3r - 6d</p>	<p><b>64</b></p>  <p>Total length = A + B + C + 2D + E + F - 3r - 6d</p>	<p><b>67</b></p>  <p>Total length (L) = A</p>	<p><b>75</b></p>  <p>Total length (L) = π(A - d) + B</p>
<p><b>77</b></p>  <p>C: number of turns Total length (L) = C π (A - D)</p>	<p><b>98</b></p>  <p>Total length = A + 2B + C + (D) - 2r - 4d</p>	<p><b>99</b> All other shapes where standard shapes cannot be used. No other shape code, number, form of designation or abbreviation shall be used in scheduling. A dimensional sketch shall be drawn over the dimension column A to E. Every dimension shall be specified and the dimension that is to allow for permissible deviations shall be indicated in parenthesis, otherwise the fabricator is free to choose which dimension shall allow for tolerance.</p>	

## VEHICLE BARRIERS

Armco barrier provides an easy to use, quick and effective safety barrier. It provides a physical barrier to safely protect pedestrians, vehicles and buildings from accidental damage.

Corrugated beams at 3500mm long, (3200mm effective length allowing for overlap)  
Pre drilled to suit various post centres. Galvanised finish.

Bolt down posts are available at 560mm or 775mm high. Using 127 x 76 x 16mm beam the base plates come drilled with four holes at 22mm and pre drilled to accommodate the barrier. Concrete in posts available 1200mm long. Using 127 x 76 x 16mm beam the posts come pre-drilled to accommodate the barrier. Galvanised finish.

Wing end or fishtails are used to terminate runs. These can be butted close together to accommodate obtuse angles. Galvanised finish. Hi-visibility rubberised bright yellow end caps or rounded ends are also available to terminate the run.

