




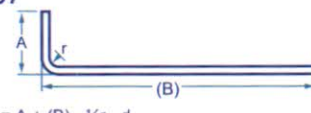
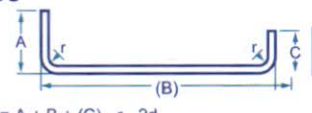

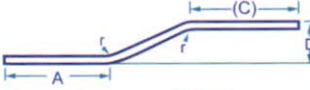

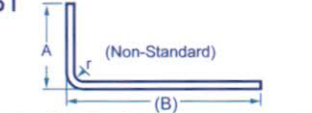
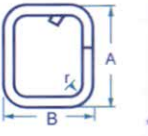
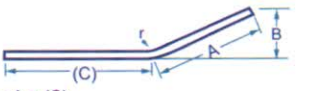

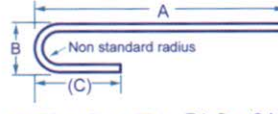
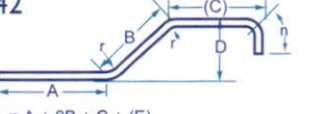
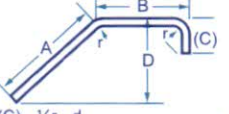
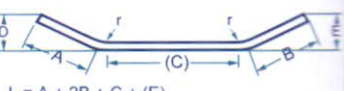
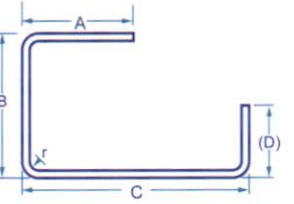
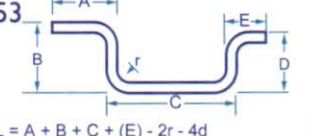
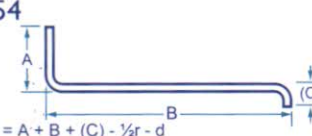
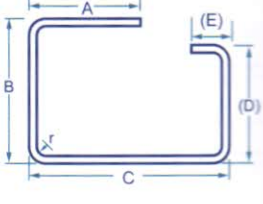
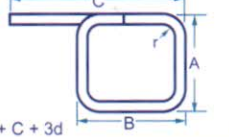
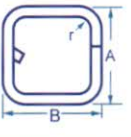
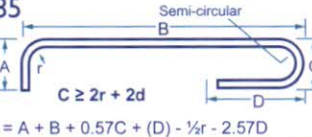
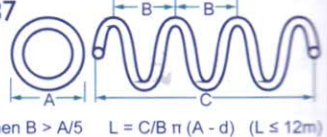


PREFERRED SHAPES B.S. 4466 1989

<p>20</p>  <p>$L = A$</p>	<p>32</p>  <p>$L = A + h$</p>	<p>33</p>  <p>$L = A + 2h$</p>	<p>34</p>  <p>$L = A + n$</p>
<p>35</p>  <p>$L = A + 2n$</p>	<p>37</p>  <p>$L = A + (B) - \frac{1}{2}r - d$</p>	<p>38</p>  <p>$L = A + B + (C) - r - 2d$</p>	<p>or</p>  <p>$L = A + B + (C) - r - 2d$</p>
<p>41</p>  <p>$L = A + B + (C)$ $D \geq 2d$</p>	<p>43</p>  <p>$L = A + 2B + C + (E)$</p>	<p>51</p>  <p>(Non-Standard)</p> <p>$L = A + (B) - \frac{1}{2}r - d$</p>	<p>61</p>  <p>$L = 2(A + B) = 12d$</p>
<p>62</p>  <p>$L = A + (C)$</p>	<p>82</p>  <p>$L = 2A + 3B = 18d$ $B \geq 2r + 2d$</p>		

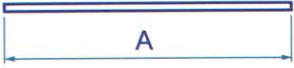
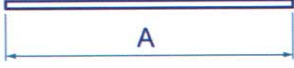
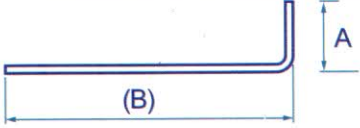
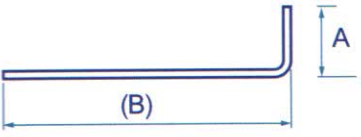
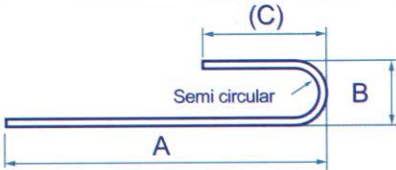
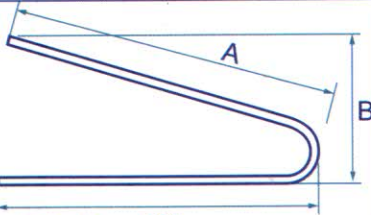
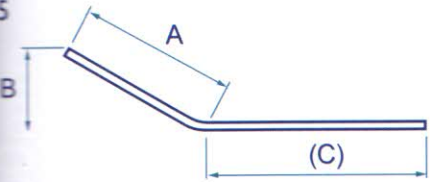
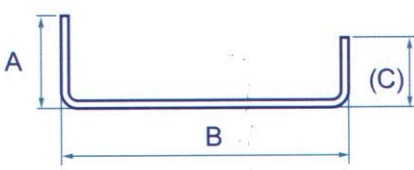
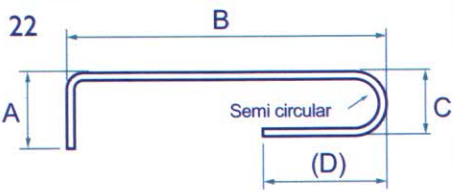
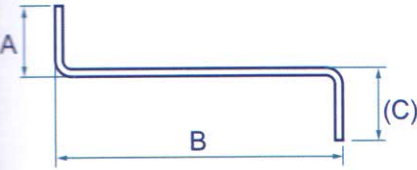
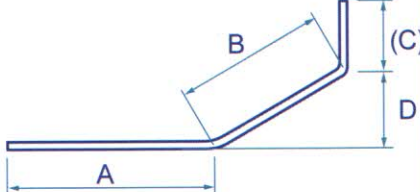
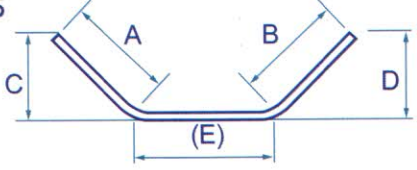
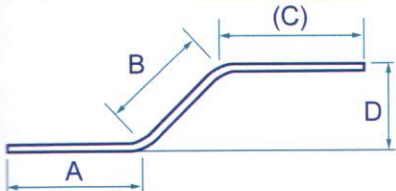
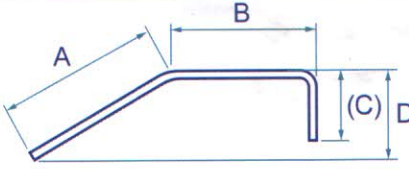
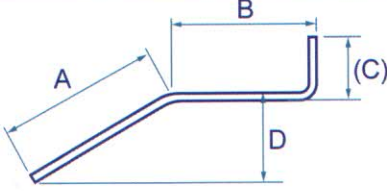
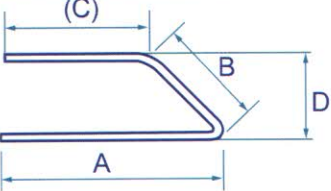
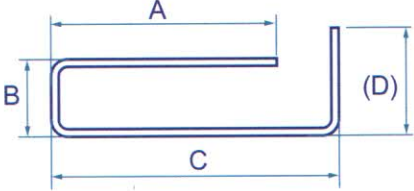
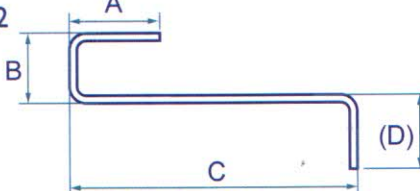
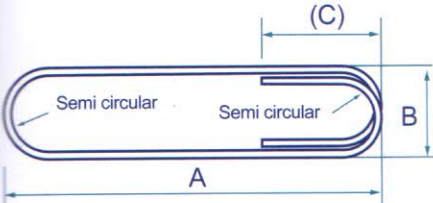
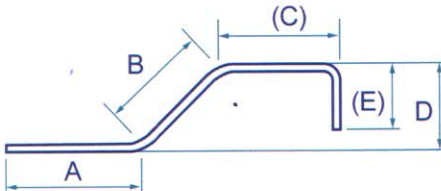
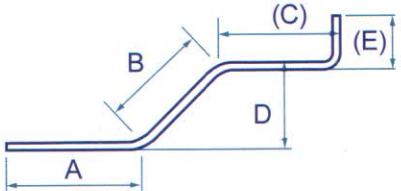
OTHER SHAPES B.S. 4466 1989

<p>39</p>  <p>Non standard radius</p> <p>$L = A + 0.57B + (C) - 1.57d$ $B \geq 2r + 2d$</p>	<p>42</p>  <p>$L = A + 2B + C + (E)$</p>	<p>45</p>  <p>$L = A + B + (C) - \frac{1}{2}r - d$</p>	<p>49</p>  <p>$L = A + 2B + C + (E)$</p>
<p>52</p>  <p>$L = A + B + C + (D) - \frac{1}{2}r + 3d$</p>	<p>53</p>  <p>$L = A + B + C + (E) - 2r - 4d$</p>	<p>54</p>  <p>$L = A + B + (C) - \frac{1}{2}r - d$</p>	<p>55</p>  <p>$L = A + B + C + (D) - \frac{1}{2}r + 3d$</p>
<p>78</p>  <p>$L = 2A + B + C + 3d$</p>	<p>79</p>  <p>$L = 2A + 3B + 10d$</p>	<p>85</p>  <p>Semi-circular</p> <p>$C \geq 2r + 2d$</p> <p>$L = A + B + 0.57C + (D) - \frac{1}{2}r - 2.57D$</p>	<p>87</p>  <p>when $B > A/5$ $L = C/B \pi (A - d)$ ($L \leq 12m$)</p>

99
ALL OTHER SHAPES

STANDARD SHAPES B.S. 8666:2005

Shape and total length of bar (L) measured along centre-line

<p>00</p>  <p>$L = A$</p>	<p>01</p>  <p>$L = A$, stock lengths</p>	<p>11</p>  <p>$L = A + (B) - 0.5 r - d$</p>
<p>12</p>  <p>$L = A + (B) - 0.43 R - 1.2 d$</p>	<p>13</p>  <p>$L = A + 0.57 B + (C) - 1.6 d$</p>	<p>14</p>  <p>$L = A + (C) - 4 d$ (C)</p>
<p>15</p>  <p>$L = A + (C)$</p>	<p>21</p>  <p>$L = A + B + (C) - r - 2 d$</p>	<p>22</p>  <p>$L = A + B + C + (D) - 1.5 r - 3 d$</p>
<p>23</p>  <p>$L = A + B + (C) - r - 2 d$</p>	<p>24</p>  <p>$L = A + B + (C)$</p>	<p>25</p>  <p>$L = A + B + (E)$</p>
<p>26</p>  <p>$L = A + B + (C)$</p>	<p>27</p>  <p>$L = A + B + (C) - 0.5 r - d$</p>	<p>28</p>  <p>$L = A + B + (C) - 0.5 r - d$</p>
<p>29</p>  <p>$L = A + B + (C) - r - 2 d$</p>	<p>31</p>  <p>$L = A + B + C + (D) - 1.5 r - 3 d$</p>	<p>32</p>  <p>$L = A + B + C + (D) - 1.5 r - 3 d$</p>
<p>33</p>  <p>$L = 2A + 1.7 B + 2(C) - 4 d$</p>	<p>34</p>  <p>$L = A + B + C + (E) - 0.5 r - d$</p>	<p>35</p>  <p>$L = A + B + C + (E) - 0.5 r - d$</p>

STANDARD SHAPES B.S. 8666:2005

Shape and total length of bar (L) measured along centre-line

36

$L = A + B + C + (D) - r - 2d$

41

$L = A + B + C + D + (E) - 2r - 4d$

44

$L = A + B + C + D + (E) - 2r - 4d$

46

$L = A + 2B + C + (E)$

47

$L = 2A + B + \max(21d, 240)$

51

$L = 2A + 2B + \max(16d, 260)$

56

$L = A + B + C + (D) + 2(E) - 2.5r - 5d$

53

$L = 2A + 3B + \max(14d, 150)$ *see note

64

$L = A + B + C + 2D + E + (F) - 2r - 6d$

67

$L = A$

77

$L = 3.14 (A - d) C$
 where $B > A/5$
 $L = \text{sqrt} \{ (3.14 [A - d])^2 + B^2 \} C$

98

$L = A + 2B + C + (D) - 2r - 4d$

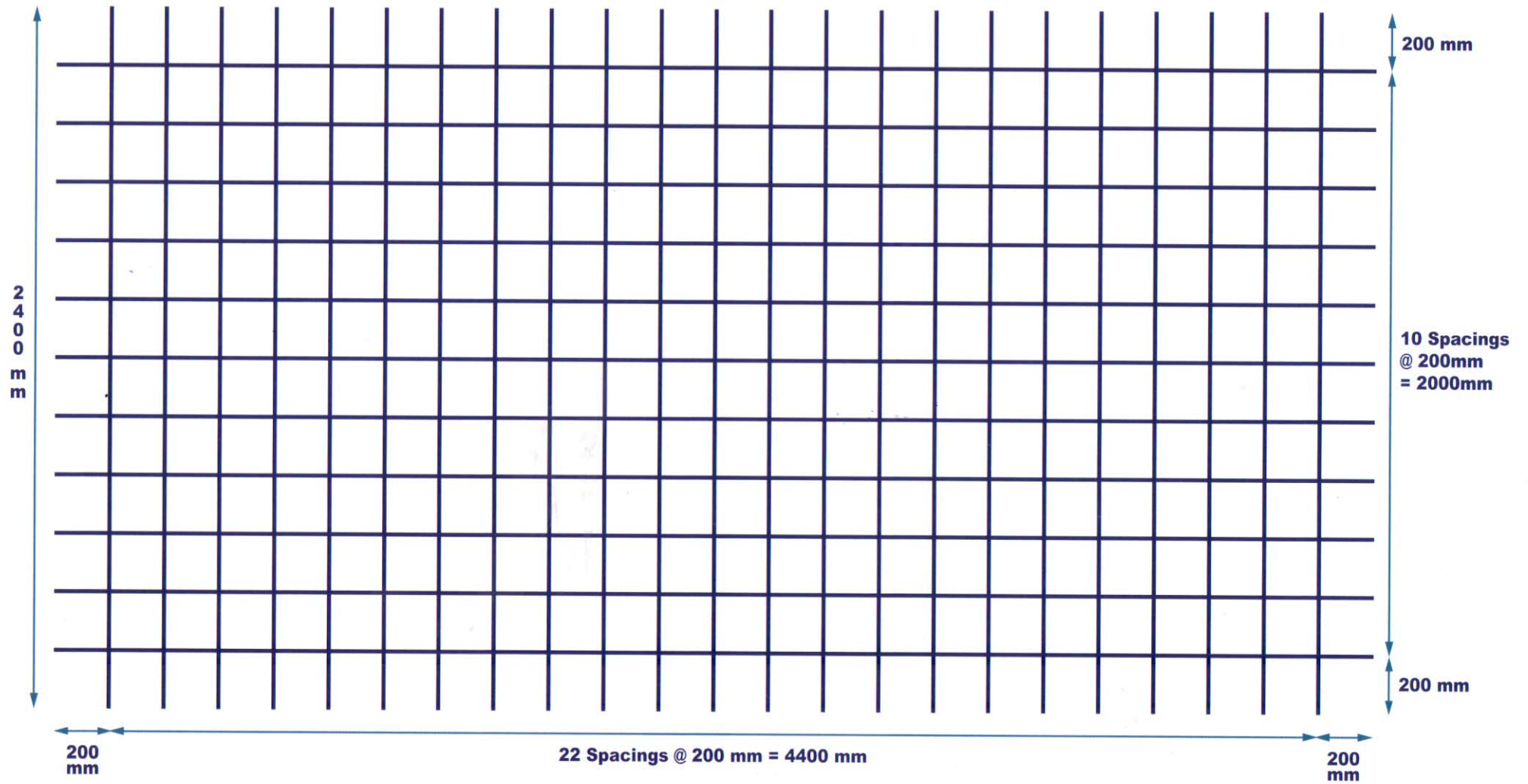
75

$L = 3.14 [A - d] + (B)$

99 All shapes where standard shapes cannot be used. No other shape code number, form of designation or abbreviation shall be used in scheduling. A dimensioned sketch shall be drawn over the dimension columns 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 the tolerance.

Notes
 The length equations for shape codes 47, 51 and 63 are for when dimensions C and D are to be minimised.
 '+ max(14 d, 150)' means add the greater value of either 14 d or 150mm.

ECO Mesh - 200mm



Weight / A393 Sheet = 0.06652 T

Weight / A252 Sheet = 0.04266 T

Weight / A193 Sheet = 0.03262 T

Weight / A142 Sheet = 0.02397 T