



# REINFORCEMENT

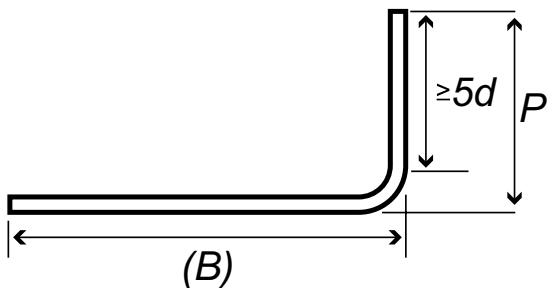
**Shape Codes & Standard Metric Sizes**



**Reinforcement shape codes to BS8666:2005**

<p><math>L=A</math> <b>SHAPE CODE 00</b></p>	<p>Stock lengths</p> <p><math>L=A</math> <b>SHAPE CODE 01</b></p>	<p><math>L=A + (B) - 0.5r - d</math> <b>SHAPE CODE 11</b></p>	<p><math>L=A + (B) - 0.43R - 1.2d</math> <b>SHAPE CODE 12</b></p>	<p><math>L=A + 0.57B + (C) - 1.6d</math> <b>SHAPE CODE 13</b></p>
<p><math>L=A + (C) - 4d</math> <b>SHAPE CODE 14</b></p>	<p><math>L=A + (C)</math> <b>SHAPE CODE 15</b></p>	<p><math>L=A + B + (C) - r - 2d</math> <b>SHAPE CODE 21</b></p>	<p><math>L=A + B + C + (D) - 1.5r - 3d</math> <b>SHAPE CODE 22</b></p>	<p><math>L=A + B + (C) - r - 2d</math> <b>SHAPE CODE 23</b></p>
<p><math>L=A + B + (C)</math> <b>SHAPE CODE 24</b></p>	<p><math>L=A + B + (E)</math> <b>SHAPE CODE 25</b></p>	<p><math>L=A + B + (C)</math> <b>SHAPE CODE 26</b></p>	<p><math>L=A + B + (C) - 0.5r - d</math> <b>SHAPE CODE 27</b></p>	<p><math>L=A + B + (C) - 0.5r - d</math> <b>SHAPE CODE 28</b></p>
<p><math>L=A + B + (C) - r - 2d</math> <b>SHAPE CODE 29</b></p>	<p><math>L=A + B + C + (D) - 1.5r - 3d</math> <b>SHAPE CODE 31</b></p>	<p><math>L=A + B + C + (D) - 1.5r - 3d</math> <b>SHAPE CODE 32</b></p>	<p><math>L=2A + 1.7B + 2(C) - 4d</math> <b>SHAPE CODE 33</b></p>	<p><math>L=A + B + C + (E) - 0.5r - d</math> <b>SHAPE CODE 34</b></p>
<p><math>L=A + B + C + (E) - 0.5r - d</math> <b>SHAPE CODE 35</b></p>	<p><math>L=A + B + C + (D) - r - 2d</math> <b>SHAPE CODE 36</b></p>	<p><math>L=A + B + C + D + (E) - 2r - 4d</math> <b>SHAPE CODE 41</b></p>	<p><math>L=A + B + C + D + (E) - 2r - 4d</math> <b>SHAPE CODE 44</b></p>	<p><math>L=A + 2B + C + (E)</math> <b>SHAPE CODE 46</b></p>
<p><math>L=2A + B + 2(C) + 1.5r - 3d</math> <b>SHAPE CODE 47</b></p>	<p><math>L=2(A + B + (C)) - 2.5r - 5d</math> <b>SHAPE CODE 51</b></p>	<p><math>L=A + B + C + D + 2(E) - 2.5r - 5d</math> <b>SHAPE CODE 56</b></p>	<p><math>L=2A + 3B + 2(C) - 3r - 6d</math> <b>SHAPE CODE 63</b></p>	<p><math>L=A + B + C + 2D + E + (F) - 3r - 6d</math> <b>SHAPE CODE 64</b></p>
<p><math>L=A</math> <b>SHAPE CODE 67</b></p>	<p><math>L=\pi(A-d) + B</math> <b>SHAPE CODE 75</b></p>	<p><math>L=C\pi(A-d)</math> <b>SHAPE CODE 77</b></p>	<p><math>L=A + 2B + C + (D) - 2r - 4d</math> <b>SHAPE CODE 98</b></p>	<p>All other shapes are Shape Code 99 and require fully dimensioned sketches.</p>

**Table of minimum dimensions**



Nominal size	Minimum radius for scheduling	Minimum diameter for bending former	Minimum end projection (P) General (min. 5d straight)	Links where bend <150° (min. 10d straight)
6*	12	24	110	110
8	16	32	115	115
10	20	40	120	130
12	24	48	125	160
16	32	64	130	210
20	70	140	190	290
25	87	175	240	365
32	112	224	305	465
40	140	280	380	580
50*	175	350	475	725

\*6mm and 50mm are non-preferred sizes available to special order

## Standard Metric Size Specification

## Standard Sheets Sizes and Shipping Dimensions

	B.S. 4483 Ref.	Mesh sizes nominal pitch of wires		Diameter of wires		Cross Sectional area per meter width		Safe Tensile strength in N at 230N/ mm <sup>2</sup> per Meter Width	Nominal Mass per square metre  kg	Number of sheets per Tonne	Approximate dimensions of bundle for shipment				
		Main mm	Cross mm	Main mm	Cross mm	Main mm <sup>2</sup>	Cross mm <sup>2</sup>				Contents of bundle sheets	Length cm	Width cm	Depth cm	Weight kg
<b>SQUARE</b>	A393	200	200	10	10	393	393	90275	6.16	15	12	480	240	13.00	851.56
	A252	200	200	8	8	252	252	57845	3.95	22	15	480	240	13.00	682.56
	A193	200	200	7	7	193	193	44275	3.02	29	18	480	240	13.00	626.23
	A142	200	200	6	6	142	142	32545	2.22	40	21	480	240	13.00	537.06
	A98	200	200	5	5	98	98	22586	1.54	57	25	480	240	13.00	443.52
<b>STRUCTURAL</b>	B1131	100	200	12	8	1131	252	260130	10.90	8	10	480	240	13.00	1255.68
	B785	100	200	10	8	785	252	180550	8.14	11	12	480	240	13.00	1125.27
	B503	100	200	8	8	503	252	115690	5.93	15	15	480	240	13.00	1024.70
	B385	100	200	7	7	385	193	88527	4.53	20	18	480	240	13.00	939.34
	B283	100	200	6	7	283	193	65090	3.73	24	21	480	240	13.00	902.36
	B192	100	200	5	7	196	193	45172	3.05	29	25	480	240	13.00	878.40
<b>LONG</b>	C785	100	400	10	6	785	70.8	180550	6.72	13	12	480	240	13.00	928.97
	C636	100	400	9	6	636	70.8	146257	5.55	16	14	480	240	13.00	895.10
	C503	100	400	8	5	503	499.0	115690	4.34	21	16	480	240	13.00	799.95
	C385	100	400	7	5	385	49.0	88527	3.41	26	18	480	240	13.00	707.10
	C283	100	400	6	5	283	49.0	65090	2.61	34	21	480	240	13.00	631.41
<b>WRAPPING</b>	D98	200	200	5	5	98.0	98.0		1.54	57	25	480	240	13.00	443.52
	D49	100	100	2.5	2.5	49.0	49.0		0.77	113	52	480	240	13.00	461.26



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