



KB
REBAR

Fabric and Bar

Reinforcement Product Data

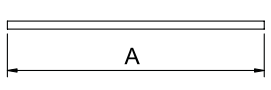
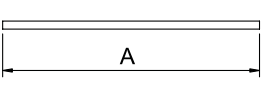
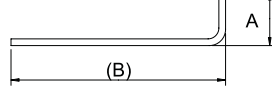
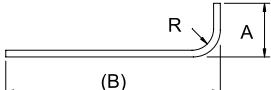
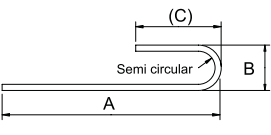
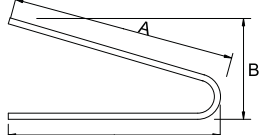
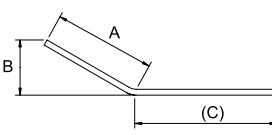
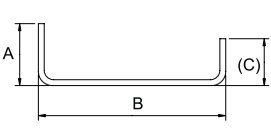
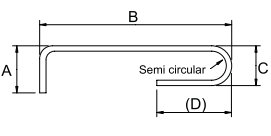
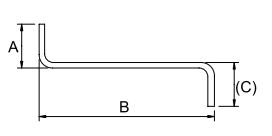
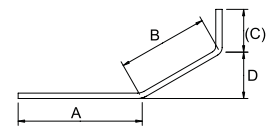
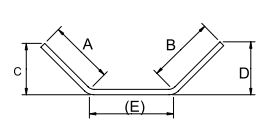
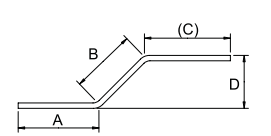
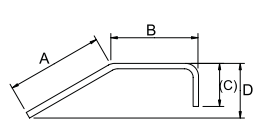
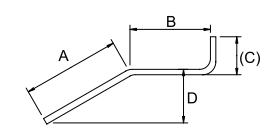
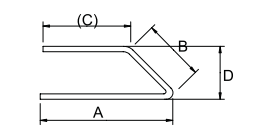
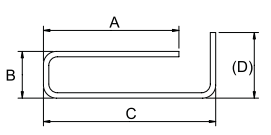
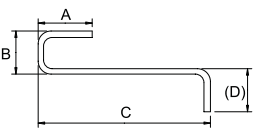
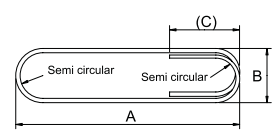
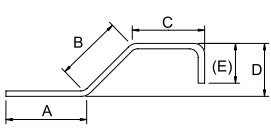
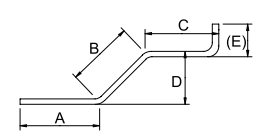
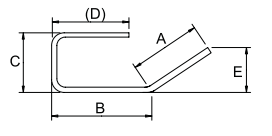
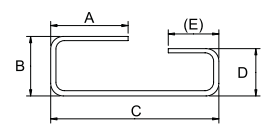
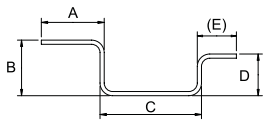
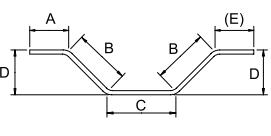
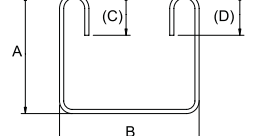
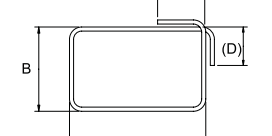
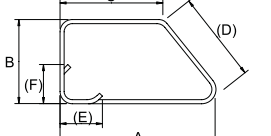
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for the Reinforcement of Concrete

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Standard Mesh Stockholders
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Standard shapes of cut and bent bar to BS8666:2005

Shape code 00		Length = A
Shape code 01		Length = A Stock Lengths
Shape code 11		Length = A + (B) - 0.5r - d
Shape code 12		Length = A + (B) - 0.43R - 1.2d
Shape code 13		Length = A + 0.57B + (C) - 1.6d
Shape code 14		Length = A + (C) - 4d
Shape code 15		Length = A + (C)
Shape code 21		Length = A + B + (C) - r - 2d
Shape code 22		Length = A + B + C + (D) - 1.5r - 3d
Shape code 23		Length = A + B + (C) - r - 2d
Shape code 24		Length = A + B + (C)
Shape code 25		Length = A + B + (E)
Shape code 26		Length = A + B + (C)
Shape code 27		Length = A + B + (C) - 0.5r - d
Shape code 28		Length = A + B + (C) - 0.5r - d
Shape code 29		Length = A + B + (C) - r - 2d
Shape code 31		Length = A + B + C + (D) - 1.5r - 3d
Shape code 32		Length = A + B + C + (D) - 1.5r - 3d
Shape code 33		Length = 2A + 1.7B + 2(C) - 4d
Shape code 34		Length = A + B + C + (E) - 0.5r - d
Shape code 35		Length = A + B + C + (E) - 0.5r - d
Shape code 36		Length = A + B + C + (D) - r - 2d
Shape code 41		Length = A + B + C + D + (E) - 2r - 4d
Shape code 44		Length = A + B + C + D + (E) - 2r - 4d
Shape code 46		Length = A + 2B + C + (E)
Shape code 47		Length = 2A + B + 2C + 1.5r - 3d
Shape code 51		Length = 2(A + B + (C)) - 2.5r - 5d
Shape code 56		Length = A + B + C + (D) + 2(E) - 2.5r - 5d



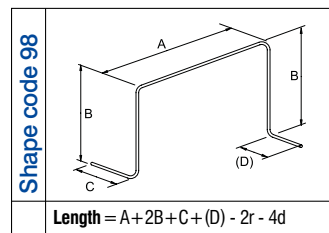
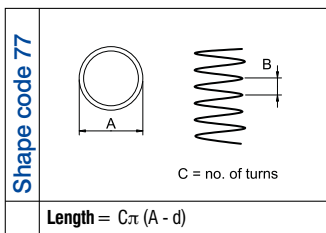
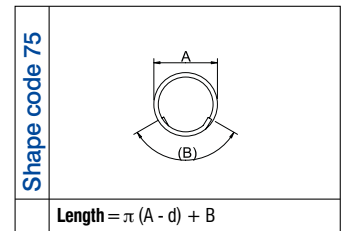
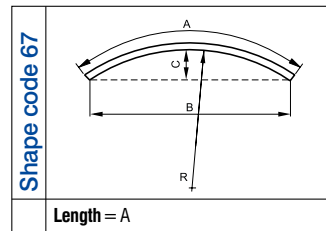
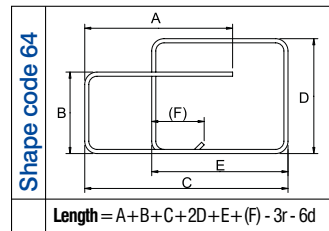
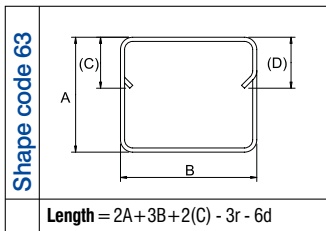
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Tel: 0161 790 8635

Fax: 0161 799 7083

Web: www.kbrebar.co.uk

Email: sales@kbrebar.co.uk

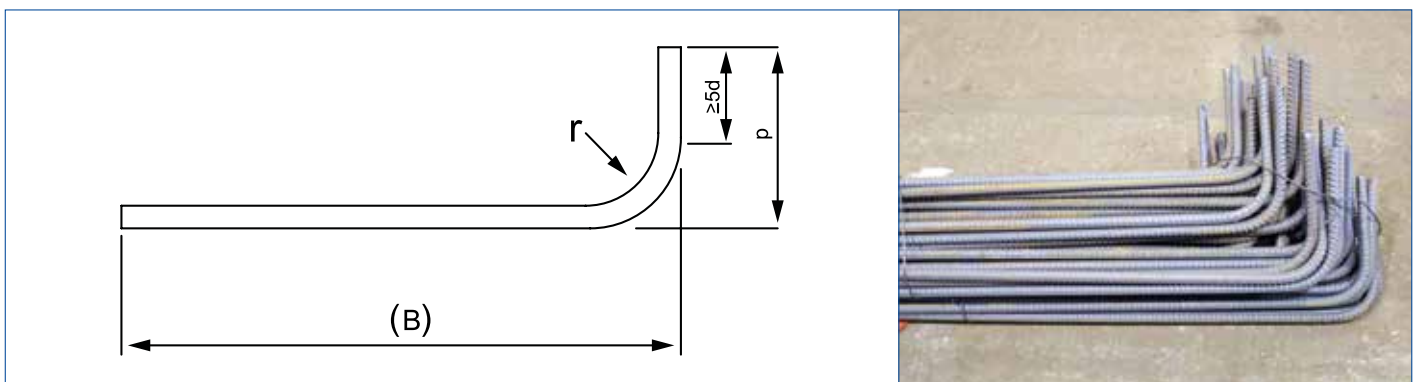


Shape code 99

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 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 tolerance.

Length = To be calculated

Minimum scheduling radii, former diameters and bend allowances



Nominal size of bar, d (mm)	Minimum radius for scheduling, r (mm)	Minimum diameter of bending former, M (mm)	Minimum end projection, P	
			General (min 5d straight), including links where bend $\geq 150^\circ$ (mm)	Links where bend $< 150^\circ$ (min 10d straight) (mm)
6	12	24	110a	110a
8	16	32	115a	115a
10	20	40	120a	130
12	24	48	125a	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

a: The minimum end projections for smaller bars is governed by the practicalities of bending bars. **Note 1:** Due to "spring back" the actual radius of bend will be slightly greater than half the diameter of former. **Note 2:** BS 4449:2005 grade B500A in sizes below 8mm does not conform to BS EN 1992-1.1:2004

Bar diameter	6	8	10	12	16	20	25	32	40	50
Bar mass per linear metre (kg/m)	0.222	0.395	0.616	0.888	1.579	2.466	3.854	6.313	9.864	15.413
Maximum limit for which a performed radius is required (m)	2.5	2.75	3.5	4.25	7.5	14.0	30.0	43.0	58.0	-

Note 1: The required curvature may be obtained during placing. **Note 2:** For shapes with straight and curved lengths (e.g. shape codes 12, 13, 22 and 33) the largest practical radius for the production of a continuous curve is 200mm, and for larger radii the curve may be produced by a series of short straight sections.



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Standard fabric types and stock sheet sizes

Fabric reference	Longitudinal bars			Cross bars			Mass kg/m ²	Sheets Per Tonne	Sheet Weight kg
	Nominal bar size mm	Pitch mm	Area mm ² /m	Nominal bar size mm	Pitch mm	Area mm ² /m			
Square fabric									
A393	10	200	393	10	200	393	6.16	14	70.96
A252	8	200	252	8	200	252	3.95	22	45.5
A193	7	200	193	7	200	193	3.02	29	34.79
A142	6	200	142	6	200	142	2.22	39	25.57
Structural fabric									
B1131	12	100	1131	8	200	252	10.90	8	125.57
B785	10	100	785	8	200	252	8.14	11	93.77
B503	8	100	503	8	200	252	5.93	15	68.31
B385	7	100	385	7	200	193	4.53	20	52.19
B283	6	100	283	7	200	193	3.73	24	42.97
Long fabric									
C785	10	100	785	6	400	70.8	6.72	13	77.41
C636	9	100	636	6	400	70.8	5.55	16	63.94
C503	8	100	503	6	400	70.8	4.51	19	51.96
C385	7	100	385	6	400	70.8	3.58	24	41.24
C283	6	100	283	6	400	70.8	2.78	31	32.03
Wrapping fabric									
D98	5	200	98	5	200	98	1.54	57	17.74
D49	2.5	100	49	2.5	100	49	0.77	113	8.87

Standard lengths and widths shall be **4.8m and 2.4m** respectively giving a sheet area of **11.52m²**

KB REBAR

Unit 5, Dobson Park Industrial Estate
Dobson Park Way
Ince, Wigan WN2 2DY

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Fax: 0161 799 7083

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