

BAR BENDING SHAPE CODES TO BS 8666:2005

SHAPE CODE 00: Straight bar of length A.

SHAPE CODE 01: Stock lengths, straight bar of length A.

SHAPE CODE 11: L-shaped bar with length (B) and height A.

SHAPE CODE 12: L-shaped bar with length (B), height A, and radius R.

SHAPE CODE 13: L-shaped bar with length A, height B, and semi-circular end of radius (C).

SHAPE CODE 14: Bent bar with length (C), height B, and angle A.

SHAPE CODE 15: Bent bar with length (C), height B, and angle A.

SHAPE CODE 21: U-shaped bar with length B, height A, and end height (C).

SHAPE CODE 22: U-shaped bar with length B, height A, end height (C), and semi-circular end of radius (D).

SHAPE CODE 23: U-shaped bar with length B, height A, and end height (C).

SHAPE CODE 24: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 25: Bent bar with length (E), height C, and angle A.

SHAPE CODE 26: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 27: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 28: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 29: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 31: U-shaped bar with length C, height B, and end height (D).

SHAPE CODE 32: U-shaped bar with length C, height B, and end height (D).

SHAPE CODE 33: U-shaped bar with length A, height B, and end height (D).

SHAPE CODE 34: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 35: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 36: U-shaped bar with length B, height C, and end height (E).

SHAPE CODE 41: U-shaped bar with length C, height B, and end height (E).

SHAPE CODE 44: U-shaped bar with length C, height B, and end height (E).

SHAPE CODE 46: Bent bar with length A, height B, end height (C), and angle D.

SHAPE CODE 47: U-shaped bar with length B, height A, and end height (D).

SHAPE CODE 51: U-shaped bar with length B, height A, and end height (D).

SHAPE CODE 56: U-shaped bar with length C, height B, and end height (E).

SHAPE CODE 63: U-shaped bar with length B, height A, and end height (D).

SHAPE CODE 64: U-shaped bar with length C, height B, and end height (E).

SHAPE CODE 67: Curved bar with length A, height B, and radius R.

SHAPE CODE 75: Ring with length A and overlap B.

SHAPE CODE 77: Ring with length A and C = number of turns.

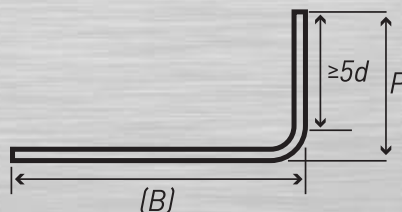
SHAPE CODE 98: Isometric sketch of a bent bar with length A, height B, and end height (D).

SHAPE CODE 99: All other shapes are Shape Code 99 and require fully dimensioned sketches.

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)
10	20	40	120	130
13	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

*50mm is non-stocked size available upon special order



Cutting & Bending Tolerance

Type	Tolerance(mm)
Cutting of straight lengths (incl. reinforcement for subsequent bending)	+25 -25
Bending ≤ 1000mm	+5 -5
> 1000mm to ≤ 2000mm	+5 -10
>2000mm	+5 -25