BAR SCHEDULE

This schedule conforms to BS 8666:2020

Schedule ref.	Drawing and revision	Members	Bar standard
Prepared by	Checked by	Date	Cover to links

Bars (lengths and dimensions in mm)

Member	Bar mark	Type	Size	No. of mbrs	No. in each	Total no.	Length L	Shape code	A	B	C	D	E/r	Total length, m	Weight, kg
Total															

Notes

Type H: BS 4449 grade B500A, B500B or B500C; B: B500B or B500C; C: B500C; X: other, described on the schedule. Lengths L are from the BS 8666:2020 formulas, rounded up to the next 25 mm. Weight at $d^2/162$ kg per metre.

Prepared by (detailer) | Checked by (engineer) | Approved by (consultant) | Received by (fabricator)

CUTTING LENGTHS

Total length L along the bar's centre line, BS 8666:2020 formulas. Round up to the next 25 mm for the schedule.

Shape code 11: one bend (L = A + B - 0.5r - d)

Bar mark	Size d	Radius r	A	B	L, mm	L on schedule

Shape code 21: U-bar, two bends (L = A + B + C - r - 2d)

Bar mark	Size d	Radius r	A	B	C	L, mm	L on schedule

Shape code 51: closed link with hooks (L = 2(A + B + C) - 2.5r - 5d)

Bar mark	Size d	Radius r	A	B	C (hook)	L, mm	L on schedule

Radius r

Use the minimum scheduling radius from Table 2 of BS 8666 unless the drawing asks for more: 2d for bars up to 16 mm (r = 12, 16, 20, 24, 32 for 6 to 16 mm) and 3.5d for 20 mm and over (r = 70, 87, 112, 140, 175 for 20 to 50 mm). For shape 51 with minimum hooks, L = 2A + 2B + the larger of 16d and 160 mm.

STEEL WEIGHT SUMMARY

By bar size, from the total lengths on the schedule

Bar size, mm	Total length, m	Unit weight, kg/m ($d^2/162$)	Weight, kg	12 m bars to order
Total				

Notes

"12 m bars to order" is the length divided by 12 before offcuts; round up and add the cutting waste your yard allows. The BS 4449 nominal masses are about 0.1% lower than $d^2/162$ (12 mm: 0.888 kg/m against 0.889).