

ISWB wide flange beam weight chart

Weight per metre and properties of ISWB wide flange beams to IS 808:2021.

Section	h (mm)	b (mm)	tw (mm)	tf (mm)	kg/m	lb/ft	A (cm ²)	Ix (cm ⁴)	Iy (cm ⁴)	Zx (cm ³)
ISWB 150	150	100	5.4	7	17.00	11.42	21.60	839	94.70	111
ISWB 175	175	125	5.8	7.4	22.06	14.82	28.10	1,510	188	172
ISWB 200	200	140	6.1	9	28.80	19.35	36.70	2,620	328	262
ISWB 225	225	150	6.4	9.9	33.93	22.80	43.20	3,920	448	348
ISWB 250	250	200	6.7	9	40.84	27.44	52.00	5,940	857	475
ISWB 300	300	200	7.4	10	48.12	32.34	61.30	9,820	990	654
ISWB 200 (203 x 152, 52.09 kg/m)	203	152	8.9	16.5	52.09	35.00	66.40	4,780	809	470
ISWB 350	350	200	8	11.4	56.89	38.23	72.40	15,500	1,170	887
ISWB 400	400	200	8.6	13	66.71	44.83	85.00	23,400	1,380	1,170
ISWB 450	450	200	9.2	15.4	79.52	53.43	101.00	35,100	1,700	1,560
ISWB 500	500	250	9.9	14.7	95.12	63.92	121.00	52,200	2,980	2,090
ISWB 550	550	250	10.5	17.6	112.48	75.58	143.00	74,900	3,740	2,720
ISWB 600	600	250	11.2	21.3	133.70	89.84	170.00	106,000	4,700	3,540
ISWB 600 (600 x 250, 145.06 kg/m)	600	250	11.8	23.6	145.06	97.48	184.00	115,000	5,290	3,850

Source: IS 808:2021; earlier weights from IS 808:1989 and SP 6(1):1964, as published by Public.Resource.Org. Nominal values for estimating; verify with the producer. steelweight-calculator.com