



IPEA SECTION

An IPEA section is a length of structural steel that has a cross section in the shape of an ‘I’, that is why the material is also known as an I-beam. The web (vertical part of the ‘I’) withstands hard forces, while the flange (horizontal part of the ‘I’) endures bending movements the beam experiences. Sizes are determined by the web, flange and weight per metre. The web, flange and height is slightly smaller than the IPE section and with that the mass per metre is lighter.

Product application

IPEA sections are typically used in construction and civil engineering applications, especially as support for buildings to ensure that the structure is strong enough.

IPE sections “AA” SANS 50025/EN 10025 Grade S355JR

Dimensions	Kg/m	Web dimensions	Flange dimensions	Height	Weight
100 x 55	6.720	3.600	4.500	97.600	55.000
120 x 64	8.357	3.800	4.800	117.000	64.000
140 x 73	10.054	3.800	5.200	136.600	73.000
160 x 82	12.315	4.000	5.600	156.400	82.000
180 x 91	14.940	4.300	6.200	176.400	91.000
200 x 100	17.654	4.500	6.700	196.400	100.000