

Product Data Sheet: Taper Flange Channels (Supalite)

Taper flange channels, part of the Supalite product range, are structural steel members produced through hot-rolling processes. These channels are characterized by their U-shaped cross-section, featuring right-angled flanges with a broad, flat surface and sharply angled outer edges. The defining characteristic is the tapering flange—thickness gradually decreases from the central web toward the end of the flange.

This geometry makes them lighter while maintaining structural integrity, offering economical advantages in both transport and installation. Taper flange channels are preferred for applications that demand high strength-to-weight ratios and efficient load distribution.

Applications

- General construction and steel framing
- Lightweight structural support systems
- Architectural and mechanical bracing
- Support elements in modular or prefabricated structures

Mass per Meter (kg/m)

Size	Kg/m	Web Dimensions (mm)	Flange Dimensions (mm)	Height (mm)	Width (mm)
76 x 38	5.700	4.000	6.200	76.000	38.000
100 x 50	8.900	5.000	8.000	100.000	50.000

Please contact our Steel Division for additional sizes not listed above.