

Product Data Sheet: Taper Flange Channels

Taper flange channels are structural members fabricated from hot-rolled steel. These channels are distinguished by their right-angle flanges and U-shaped profile. The flanges feature a gradual reduction in thickness from the web to the edge, optimizing strength while reducing overall weight.

The outer flange surfaces are angled, and the wide, flat construction allows them to be securely fixed in both vertical and horizontal applications. These taper flange channels are engineered to meet the strength and durability requirements of SANS 50025 / EN 10025 S355JR specifications.

Applications

- Primary and secondary structural supports
- Building and civil engineering infrastructure
- Industrial and warehouse construction
- Custom framework and heavy-duty support systems

Mass per Metre (kg/m)

Size	Kg/m	Web Dimensions (mm)	Flange Dimensions (mm)	Height (mm)	Width (mm)
76 x 38	6.700	5.100	6.800	76.200	38.100
100 x 50	10.727	6.000	8.500	100.000	50.000
120 x 55	13.546	7.000	9.000	120.000	55.000
127 x 64	14.926	6.400	9.200	127.000	63.500
140 x 60	16.223	7.000	10.000	140.000	60.000
152 x 76	17.911	6.400	9.000	152.400	76.200
160 x 65	19.122	7.500	10.500	160.000	65.000
178 x 54	14.546	5.800	8.400	177.800	54.000
180 x 70	22.265	8.000	11.000	180.000	70.000
200 x 75	25.400	8.500	11.500	200.000	75.000

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