

Product Data Sheet: Parallel Flange Channels

Parallel Flange Channels (PFCs), also known as C-sections, are robust structural components made from hot-rolled mild steel. They are characterized by a consistent flange and web thickness, which differs from tapered channels. This design increases their load-bearing capacity and simplifies installation, as standard washers can be used across the flanges.

These channels are dimensionally defined by their height and width, such as 200mm x 75mm. PFCs manufactured to SANS 50025 / EN 10025 Grade S355JR standards are widely used for their superior strength and consistency in heavy-duty applications.

Applications

- Building frames and beams
- Large-scale structural fabrications
- Civil and industrial infrastructure projects
- Base rails, supports, and conveyor system framing

Size Specifications

Size Dimensions (mm)	Kg/m	Web Dimensions (mm)	Flange Dimensions (mm)	Height (mm)	Width (mm)
100 x 50	10.100	5.000	8.400	100.000	50.000
180 x 70	21.100	7.000	10.900	180.000	70.000
200 x 75	24.300	7.500	11.400	200.000	75.000
230 x 90	32.200	7.500	14.000	230.000	90.000
260 x 90	34.800	8.000	14.000	260.000	90.000
300 x 100	45.400	9.000	16.500	300.000	100.000

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