

# Product Manual & Application Guide for WF Beams

Comprehensive Reference for Structural Steel Applications

## 1. Introduction

Wide Flange (WF) beams are structural steel sections with an "I" or "H" shaped cross-section. They feature wide, parallel flanges designed to distribute weight evenly and provide superior load-carrying performance.

## 2. Specific Applications

- **Bridge Structures:** Utilized as primary girders due to their high horizontal bending resistance.
- **High-Rise Building Columns:** Withstand heavy vertical loads and provide exceptional stability against buckling.
- **Crane Runways:** Ideal for heavy machinery rails in manufacturing plants due to their durability and high structural rigidity.

## 3. Installation & Safety Guidelines

- **Connections:** Primarily performed via high-strength welding or bolting systems in accordance with SNI 1729:2020 standards.
- **Storage:** Materials must be stored in a dry area on wooden blocks (pallets) to prevent corrosion from direct ground contact.
- **Handling:** Use appropriate lifting equipment (cranes or forklifts) to maintain the structural straightness of the steel beams.

## Consultant's Recommendation for Next Steps

1. **Import to Workspace:** Copy the English text into Google Docs.
2. **Multimodal Enhancement:** Use Gemini in Docs to insert professional icons for "Infrastructure," "Industry," and "Certification."
3. **Multilingual SEO:** Ensure these English versions are linked to your "EN" language switcher on the website. This will help capture search traffic from international procurement teams looking for "SNI structural steel supplier Indonesia".