

# Anchor Systems

## Anchor Systems: Essential for Fall Protection.

Anchor systems are a vital component of personal fall protection systems, ensuring the safety of workers performing tasks at height. At NCC T&D, we prioritize compliance with our HSE procedures and the legal requirements of the Kingdom of Saudi Arabia to safeguard our workforce and maintain operational excellence.

Anchor systems—whether permanent or temporary—are critical where guardrails or safety nets are not practical. These systems are integral to travel restraint, fall-restricting, and fall-arrest systems. This section outlines the requirements for anchor systems in accordance with NCC T&D HSE guidelines and international standards, ensuring the well-being of workers and the sustainability of our operations.

## Key Requirements for Anchor Systems

### Permanent Anchor Systems:

Permanent anchors must serve as fixed supports for fall arrest, fall-restricting, or travel restraint systems under the following conditions:

- Installed in compliance with the NCC T&D Standards.
- Capable of safely supporting the required loads and practical for regular use.

### Temporary Anchor Systems:

When permanent anchor systems are not feasible, temporary systems must meet the following criteria (aligned with NCC T&D HSE procedures):

- Supports used in a fall arrest system must withstand static loads as specified in applicable safety standards.
- When a shock absorber is included, the system must support loads as per industry requirements.
- For travel-restraint systems, anchors must withstand forces specified by relevant safety standards.

Anchor systems must be installed and used in accordance with the manufacturer's instructions and dynamically tested as per good engineering practices to ensure they can arrest a fall.

### General Guidelines:

- Anchor systems must be free from sharp edges to avoid damage to fall protection equipment.
- Safety factors for calculating weight and load requirements must comply with applicable standards.
- All anchor systems must undergo regular inspections and certifications in accordance with NCC T&D HSE procedures and regulatory requirements.

### Commitment to HSE Excellence

At NCC T&D, ensuring the safety of our workforce and protection of the workplace environment is at the core of our operations. In line with our Integrated Management System (IMS) policies certified to ISO 45001:2018 and ISO 14001:2015, we emphasize proactive risk management and continuous improvement to maintain compliance with Saudi Arabian regulations and sustainability in every project.

Properly designed, installed, and maintained anchor systems reduce hazards, protect lives, and enhance productivity, contributing to the overall success of our projects in alignment with industry safety standards.

For more information, refer to NCC T&D's relevant IMS procedures or consult our HSE Department for expert guidance and training resources aligned with Saudi Arabian regulatory requirements.

