FirstFence®
HIRE & SALES

Steel Road Plates

Specification Sheet

SPC-TRENCH-003A



Call our Expert Sales Team for more information.

First Fence Ltd | Kiln Way, Woodville, South Derbyshire, DE11 8EA
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Heavy-Duty Performance, Unwavering Site Stability!

Our heavy-duty steel road plates deliver a superb combination of structural resilience and extreme load-bearing capacity, designed to provide safe, temporary access routes across excavations and uneven ground.

Constructed from premium, high-quality steel and available with an advanced anti-skid textured surface, these plates offer a highly durable solution that prevents slipping hazards and eliminates open-trench risks while maintaining secure traffic flow for both heavy machinery and pedestrians. They serve as a resilient and reliable bridging point for a wide range of demanding environments, including busy civil construction sites, utility works, and emergency highway closures.

We also offer multiple handling options, including crane lifting eyes and fork pockets, for fast and efficient placement across your site.

Key Features

- Extreme Load-Bearing Capacity
  (Designed to safely support the weight of large vehicles or machinery)
- Premium Steel Construction
  (Made from durable steel for long-lasting use in demanding situations)
- Dual Surface Options
  (Available in plain steel or with an anti-skid textured surface for maximum traction)
- Versatile Sizing
  (Offered in multiple standard dimensions to match specific site requirements)
- Integrated Handling Points
  (Built-in lifting eyes for crane deployment & fork pockets for forklift movement)



Suitable For

- Construction Sites
- Highway Maintenance & Road Closures
- Emergency Response
- Loading Docks
- Event Venues & Parking Areas

Guide to Choosing Your Road Plates

ASSESS TRAFFIC LOAD AND EXCAVATION SIZE

Determine Dimensions & Thickness

Evaluate the weight of the heaviest vehicles, machinery, or plant equipment that will cross the plates, as well as the width of the trench.

Select the appropriate thickness (18mm or 25mm) and overall size (e.g., 2400 x 1200mm) to safely bridge the gap without bending or shifting.

Verification: The chosen plate dimensions provide adequate overlap on solid ground, and the thickness is rated for your heaviest expected axle load.

EVALUATE ENVIRONMENTAL & PEDESTRIAN RISKS

Choose Surface Finish

Review the weather conditions and type of traffic expected.

Select standard plain plates for basic vehicular access, or opt for anti-skid textured plates if the site is exposed to wet, icy conditions or experiences frequent pedestrian and cyclist traffic.

Verification: The surface finish matches the grip requirements needed to prevent slips and skids in your specific environment.

MATCH HANDLING OPTIONS TO YOUR EQUIPMENT

Plan for Deployment

Identify the lifting equipment available on your site for moving heavy steel.

Choose plates equipped with lifting eyes if you plan to use a crane, or select plates with fork pockets if you will be using a forklift or telehandler.

Verification: The plates' integrated lifting points directly match the machinery your crew has on hand.

ACCOUNT FOR PROJECT DURATION & LAYOUT

Calculate Quantities

Consider the total length of the required access route and how long the plates will be deployed.

If you are creating a continuous roadway or pavement run rather than a single bridge, ensure you select compatible inner and end sections to create a seamless path.

Verification: The final plate count and section types fully cover your required pathway without leaving dangerous gaps.

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Technical Specification

PRODUCT	LENGTH	WIDTH	THICKNESS	WEIGHT	MAX. LOAD	MATERIAL
Anti-Skid Steel Road Plates	1200mm 2400mm	1200mm	18mm 25mm	1200 x 1200 x 18mm: 206kg 2400 x 1200 x 18mm: 443.5kg 2400 x 1200 x 25mm: 600kg	Up to 40 tonne	Carbon Steel
Plain Steel Road Plates	1200mm 2400mm	1200mm	18mm 25mm	1200 x 1200 x 18mm: 206k 2400 x 1200 x 18mm: 406kg 2400 x 1200 x 25mm: 563kg	Up to 40 tonne	Carbon Steel

Textured Anti-Skid Surface

Anti-Skid Steel Road Plates



- Textured Surface: Features a specialised finish designed to significantly reduce the risk of slips and skids.
- Weather Defiant: Maintains excellent traction for vehicles and pedestrians even in wet or icy conditions.
- Available Sizes: Offered in three robust dimensions: 1200 x 1200 x 18mm, 2400 x 1200 x 18mm, and 2400 x 1200 x 25mm.
- High-Traffic Safety: Engineered specifically for areas where safety is the top priority.
- Key Environments: Highly recommended for use across construction sites, car parks, and loading docks.

Flat, even surface

Plain Steel Road Plates



- Smooth Finish: Provides a flat, even surface designed for smooth vehicle crossing over excavations.
- Durable Construction: Made from heavy-duty steel built to withstand heavy machinery and long-term use.
- Standard Sizing: Available in three robust dimensions: 1200 x 1200 x 18mm, 2400 x 1200 x 18mm, and 2400 x 1200 x 25mm.
- High Versatility: A reliable and cost-effective solution for a wide range of standard temporary access needs.
- Key Environments: Ideal for general construction sites, emergency response routes, & temporary road closures.



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