

D6500

BI-FOLDING GATE

UMD
ULTIMATION DIRECT



MAXIMUM SPAN

10m

5m single

OPENING/CLOSING TIME

10 secs

SAFETY

Cat 3 safety edges

Dual-height photocells and flashing beacon/sounder

MAXIMUM HEIGHT

3.5m

dependent upon span

DRIVE SYSTEM

3 Phase inverter driven motor

and wormed gearbox mounted inside the posts

POWER SUPPLY

230v, 50Hz, 16AMP





CONTROLLER

The D6500 utilises a Feig control panel, with software co-developed by Ultimotion, providing a highly configurable platform featuring hundreds of easily accessible parameters for installer-level adjustment and fine-tuning.

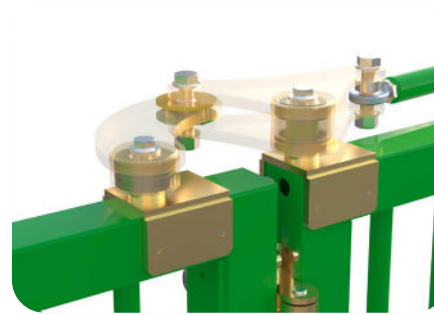
A key advantage for swing gate applications is the implementation of a true master and slave configuration achieved using only a 5-core connection. This enables both gate leaves to operate in complete synchronisation, responding seamlessly to all control inputs and safety activations while maintaining consistent performance and system integrity.



GATE DRIVE

The D6500 is driven by a three-phase electromechanical motor and gearbox assembly, engineered to deliver high torque output with exceptionally smooth and efficient operation. Integrated with a Feig controller, the system operates from a single-phase supply while retaining the performance advantages of a three-phase drive, ensuring optimal efficiency, reliability, and control.

This configuration incorporates a Feig encoder, providing high-resolution positional feedback for precise motion control and enhanced system accuracy.



HD BI-FOLDING MECHANISM

The D6500 Bifold is engineered for strength, precision, and long-term performance. It features a mechanical folding tie bar system with heavy-duty, bearing-assisted centre pivoting plates, ensuring smooth and reliable operation.

At its core, reinforced centre brackets—manufactured from 15mm thick steel plate—are fitted with double bearings for superior durability. This robust construction minimises twisting, reduces wear, and maintains alignment over time, even under demanding use.



SAFETY SYSTEMS

The D6500 is supplied as standard with a comprehensive safety package, including dual-height photocells for enhanced presence detection. Each gate leaf is fitted with Category 3 safety edges, comprising two lower horizontal edges and one closing vertical edge per leaf, providing full protection across primary risk zones. In addition, a post-mounted safety edge is installed to safeguard against post entrapment. The system is further complemented by a post-mounted beacon sounder, delivering clear visual and audible warnings during gate operation.



SINGLE LEAF OPTION

The D6500 is available as a single-leaf configuration, capable of spanning openings up to 5,000mm with gate heights of up to 4,000mm. As standard, it is supplied with a dedicated closing post and a 500kg-rated magnetic lock, ensuring secure and reliable closure. The system is also equipped with dual photocells mounted on both the main post and closing post, providing comprehensive safety coverage and obstacle detection.



GATE INFILL OPTIONS

A wide range of gate infill options is available to meet security and design requirements. Standard choices include vertical steel tubes, welded mesh, and palisade systems, with additional options such as composite boards and timber cladding.

Custom sheet steel panels can also be laser-cut with logos or branding, combining strong security with a distinctive visual identity.



HD GATE HINGES

The D6500 is equipped with precision-engineered bearing hinges rated for loads of up to 3,000kg, delivering enhanced structural support, reduced frictional wear, and consistent long-term operational reliability.

