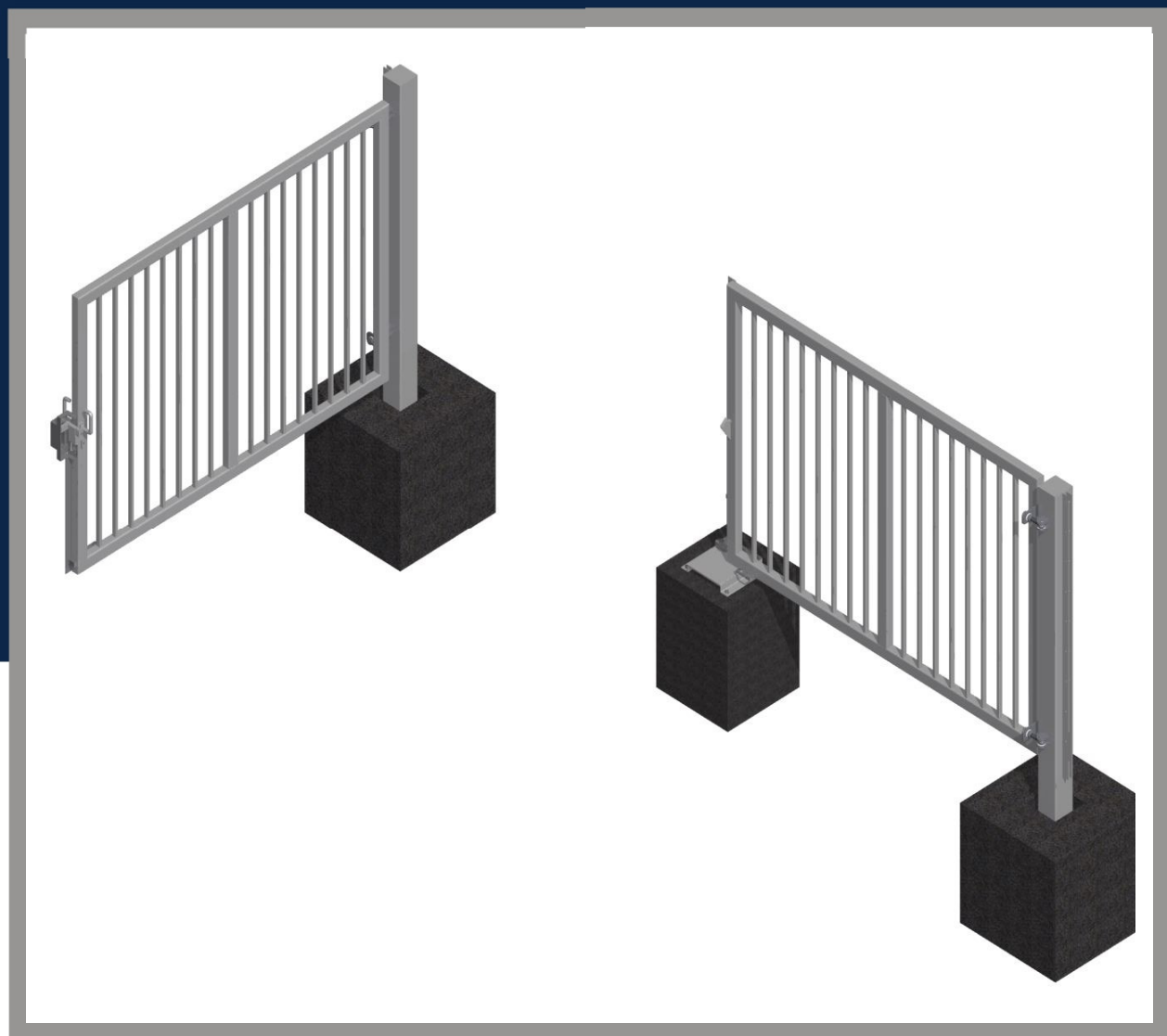


Leaf Swing Gate DFT-2H double-leaf, manually operated



for clear widths from 4 to 16 m

Leaf Swing Gate DFT-2H

Double-Leaf Swing Gates DFT-2H are the traditional and most inexpensive solution for movable closures of an area. They offer an organised access to an enclosure, perimeter or area with low gate cycles. Swing opening the gate leaves requires space of the area, which needs to be considered when creating the entrance area, especially regarding the street course, gradient and cross slope. The circular swing areas (the size goes by the full passage width) must be kept free at all times, and they are used for the running of the area.

DFT-2H-Swing Gates can be easily adjusted to their purpose. The gate leaves, consisting of a fixed leaf with a locking device and the traffic leaf with an operation device and a profile cylinder lock, are normally partitioned symmetrically. An asymmetric partition can be done if the location requires it. It should always be considered for the benefit of a smaller width of the traffic leaf, so the ease of use can be increased. Street cross slopes can be adapted in the construction within limits. Additional functions such as a climb over protection can be integrated without any problems as long as they do not expand laterally (conflict fence connection respectively narrowing the clearance zone). The opening angle is flexible, determinable between minimum 90° up to maximum 180°. For the representative securing of outdoor and facility areas you can integrate a variety of gate fillings matching the facade or fence. Swing Gates DFT-2H are predestined for side entrances with a low vehicle frequency. The modern added value comprises the inexpensive protection of vehicle and passenger traffic. Due to its simple structure existing plant entrances can be easily expanded without immense structural work

Attributes:

- reliable securing of outdoor areas with a low vehicle and visitor frequency (ordering nature)
- huge need for space for leaf swing area
- simple and self-explanatory operation
- robust construction
- high resistance against environmental influences
- flexible in width and height
- various options, for example, adapting the street slopes, climb over protection, variety of gate fillings
- inexpensive solution

Leaf Swing Gate DFT-2H

Use:

Manually operated double-leaf gates DFT - 2H are mainly used when gates stay open during the periods of service and/ or the vehicle separation and the access of persons is handled differently or not at all, or access areas are only opened sporadically and for special reasons (fire brigade, property maintenance and so on).

- authority facilities
- industrial plants and power plants
- military facilities
- supply facilities (possible)
- airport (in the event of average)

Versions / Names:

DFT-2HS: double-leaf swing gate, manually operated, partitioned symmetrically (1/2 to 1/2)

DFT-2HA: double-leaf swing gate, manually operated, partitioned asymmetrically (1/3 to 2/3)

Geometrical Key Figures: DFT-2H 4000

opening width	up to 4000 mm
gate height	up to 5000 mm
ground clearance	on average 70 mm
gate post	minimum QR 100
gate hinges	M16
frame	RR 60/40 mm
reinforcement	
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	mortice lock

DFT-2H 5000

opening width	up to 5000 mm
gate height	up to 5000 mm
ground clearance	on average 70 mm
gate post	minimum QR 120
gate hinges	M16
frame	RR 60/40 mm
reinforcement	
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	mortice lock

DFT-2H 6000

opening width	up to 6000 mm
gate height	up to 2500 mm
ground clearance	on average 70 mm
gate post	minimum QR 150
gate hinges	M20
frame	RR 80/60 mm
reinforcement	RR 80/60 mm
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	lever catch

Geometrical Key Figures: DFT-2H 8000

opening width	up to 8000 mm
gate height	up to 2500 mm
ground clearance	on average 70 mm
gate post	minimum QR 200
gate hinges	M20
frame	RR 80/60 mm
reinforcement	RR 80/60 mm
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	lever catch

DFT-2H 10000

opening width	up to 10000 mm
gate height	up to 2500 mm
ground clearance	on average 70 mm
gate post	minimum QR 200
gate hinges	M24
frame	RR 100/60 mm
reinforcement	RR 80/60 mm
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	lever catch

DFT-2H 16000

opening width	up to 16000 mm
gate height	up to 2500 mm
ground clearance	on average 70 mm
gate post	minimum QR 400
gate hinges	M24
frame	RR 120/80 mm
reinforcement	QR 80 mm
standard filling	RR 30/20 mm
bar spacing	maximum 120 mm
lock	lever catch

Leaf Swing Gate DFT-2H

The Double-Leaf Swing Gate **DFT-2H** is manufactured as an assembly unit consisting of fixed and traffic leaf, locking device, gate posts with adjustable gate hinges as well as fence connectors. Both gate leaves are welded torsion-resistant and dimensioned according to the static requirements. The gate filling is welded in between upper and lower beam (bar spacing maximum 120 mm). The traffic leaf is equipped with a mortice lock and locking device or a special lever catch (from 6 m), the fixed lock is equipped with a locking device and a forced guidance so that an unlocking in closed state is impossible. The design of the closing strip or the stop depends on the opening direction of the gate (opening outwards: closing strip on traffic leaf, opening inwards: closing strip on fixed leaf)

The **gate posts**, rainproof-covered, are equipped with adjustable gate hinges and hold the gate leaves.

The **manual locking** happens by means of a robust lever catch on the fixed leaf. The locking of the fixed leaf is achieved by an espagnolette bolt. When open, both leaves can be locked to the ground by espagnolette bolt or side locking device.

TORWERK- Long-lasting corrosion protection in 4 steps:



The coating thickness is 260 µm, all requirements on corrosion protection stresses according to DIN EN 12944-2 C4 (long protective effect) are met.

First-class haptics due to:

- a hermetically welded construction
- a surface free of zinc cavities
- welding seams that are ground flatly (mitre corners) after zinc coating
- no warping of the surface because of zinc cavities

Environmentally friendly procedure:

- no use of solvents
- recycling of oversprays

Leaf Swing Gate DFT-2H

Options and Accessories:

Colour design/ labelling:

Gate posts and gate leaves are designable in colour tones according to RAL/DB.

Design gate leaves:

- instead of bar filling, fence type filling
- closed sheet metal filling or perforated steel plate filling in a powder-coated version
- ribbed or straight sheet metal, one-sided or two-sided
- lead frame, crimped mesh, mesh mats, meshed metal baffle

Gate Monitoring:

Optionally, VdS- approved lock switch and magnet contacts along with flexible cable ducts, concealed assembly spaces and empty conduit connections can be set up.

Automatic Gate Closer:

with 500 N thrust, suitable for traffic leaves up to 2.50 m width and open-pored filling

Fire-Brigade Key Depot:

by KRUSE in different versions

Tandem Mortice Lock:

with 2 profile cylinder locks in OR-circuit

Panic Locks:

in connection with a finger protection on fixed and traffic gate

Grounding Connections:

- lug on gate post for joint FL30 or about 10 mm (Dehn)
- flexible ground cable with gate leaf/ gate post connection

Climb-over and crawl-under protection

- serrated band 45 mm high or steel tips 50 x 10 mm, 50 mm space
- barbed wire in ... rows on vertical holders (approx. 2 m space between holders)
- barbed wire in ... rows on Y-holders (approx. 2 m space between holders)

Torwerk-assembly service:

Every configured **Leaf Swing Gate DFT-2H** is delivered in individual subassemblies. Gate leaves and gate posts are pre-mounted but are delivered separately stored. The assemblers

Leaf Swing Gate DFT-2H

need to set the gate posts into the prefabricated sleeve foundations, align them and set them in concrete respectively anchor them. After an appropriate cure time the gate leaves are mounted to the adjustable hinges. They need to be aligned so the gate closes properly without jamming. The space between outer side rail and gate post is approximately the same. Now the ground sleeve for the espagnolette bolt of the locking device of the fixed leaf can be fastened and set in concrete. Finally, the side locking devices are moved. Make sure that the opening angle is first limited where the widest possible passing width is reached and no risk of accident can be caused by free-standing side locking devices (risk of stumbling respectively hazard location vehicle). Make sure to mount diagonal supports if wire mesh, welded mesh or tension wires are connected to the gate posts to always ensure the proper working of the gate lock.



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