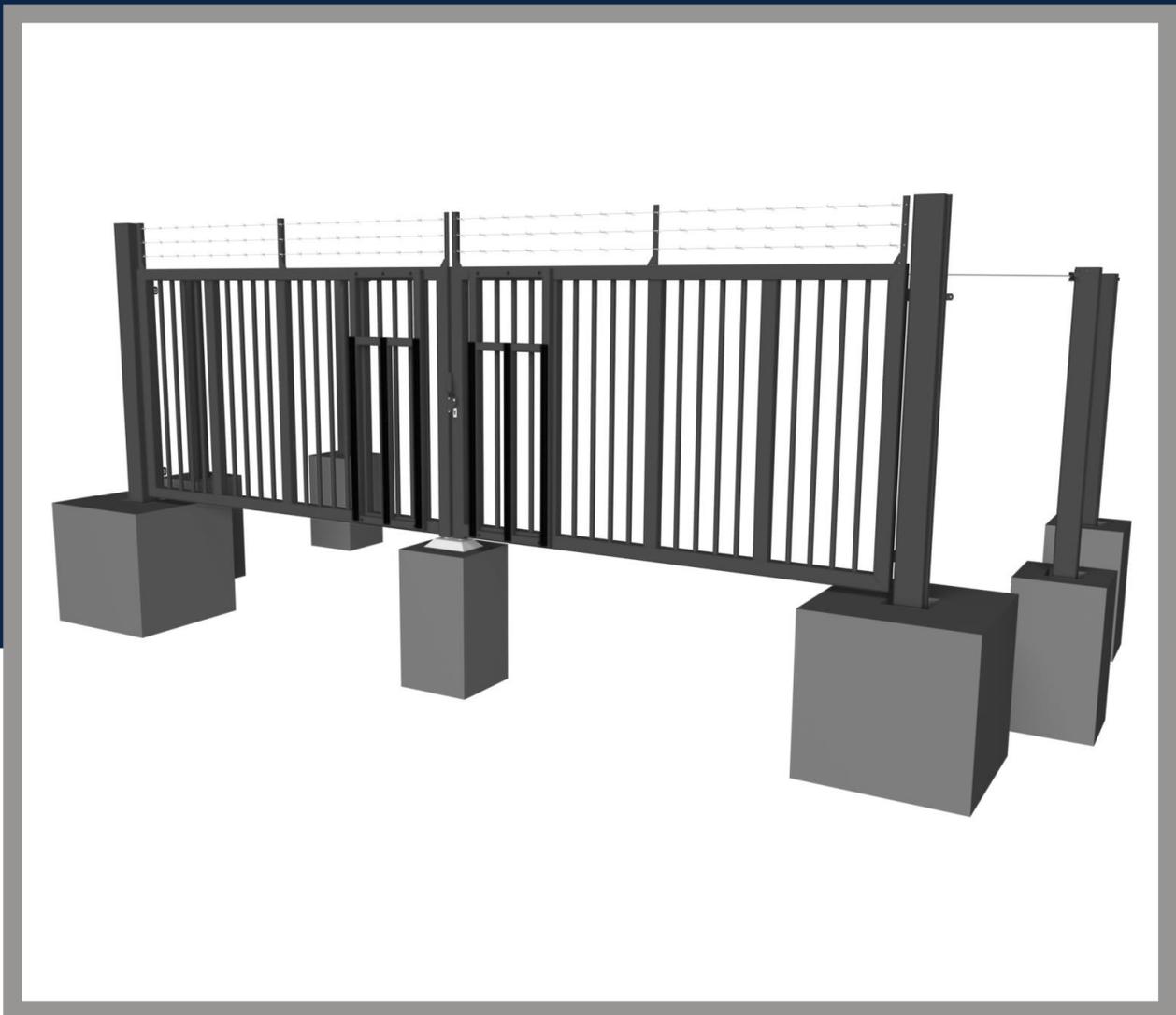


# Leaf Swing Gate DFT-2HC double-leaf, power-operated



**Damage- / Crash Gate with impact fast opening**

# DFT-2HC DAMAGE- / CRASH GATE

**Double-Leaf Crash/ Damage Gates with impact fast opening DFT-2HC** are a special solution for movable closures of an area in case of average. The gate opening in emergency cases does not happen per key opening and hand movement, but per slight **impact by the emergency vehicle**. For this purpose, the gate is equipped with a reinforced impact frame with plastic strips and a lever catch with a predetermined breaking point for the impact opening. Strainer posts with rope deflection and falling weights as well as posts and catchers complete the system of a fast and independent opening while preventing the slamming of the gate leaf. The gate generally opens in the direction of rescue. 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 or the passage halving) must be kept free at all times, and they are used for the running of the area.

DFT-2HC- Leaf Swing Gates can be adjusted to their purpose. The two 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 always partitioned symmetrically. 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 110°. DFT-2HC- Leaf Swing Gates are mainly designed for the case of average. The modern added value comprises an optimal protection of the facility with a keyless opening without delay, when every second counts. Due to its simple and robust construction existing movable closures can be expanded without immense structural work.

## **Attributes:**

- reliable securing of outdoor areas
- huge need for space for leaf swing area
- simple and self-explanatory operation
- robust design
- high resistance against environmental influences
- flexible in width and height
- various options, for example, adapting the street slopes, climb over protection
- inexpensive gate solution for crash/ damage gates

# DFT-2HC DAMAGE- / CRASH GATE

**Use:** Leaf Swing Gates **DFT-2HC** with impact fast opening are mainly used for gates that are normally closed and only needed by special vehicles (fire brigade/ recovery service)

- industrial plants and power plants
- military facilities
- supply facilities
- airports (average)

## Versions / Names:

**DFT-2HC: Leaf Swing Gate** double-leaf, manually operated, partitioned symmetrically (1/2 to 1/2)

## Specifications:

	<b>DFT-2HC 5500</b>	<b>DFT-2H 6500</b>
<b>clear width</b>	5500 mm	6500 mm
<b>opening width</b>	5080 mm	6080 mm
<b>gate height</b>	up to 3000 mm	up to 3000 mm
<b>ground clearance</b>	on average 70 mm	on average 70 mm
<b>gate post</b>	QR 150 mm	QR 150 mm
<b>strainer post</b>	QR 150 mm	QR 150 mm
<b>catcher</b>	QR 150 mm	QR 150 mm
<b>gate hinges</b>	M24	M24
<b>frame</b>	QR 100 mm	QR 100 mm
<b>reinforcement</b>	RR 100/80 mm	RR 100/80 mm
<b>impact frame</b>	QR 60 mm	QR 60 mm
<b>standard filling</b>	QR 30 mm	QR 30 mm
<b>bar spacing</b>	maximum 120 mm	maximum 120 mm
<b>lock</b>	lever catch predetermined breaking point	lever catch predetermined breaking point

The **Double-Leaf Swing Gate DFT-2HC** is manufactured as an assembly unit consisting of fixed and traffic leaf, gate posts with adjustable gate hinges as well as fence connectors and locking device, which comprises strainer post and catcher. 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 a special lever catch, **the fixed leaf** is equipped with a spring-loaded locking device so that unlocking and levering in closed state is impossible.

# DFT-2HC DAMAGE- / CRASH GATE

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 **impact frames** are mounted to the leaves. Every leaf has 3 vertical 1.50 m long impact strips made of plastics in order to prevent damage on the vehicles.

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

The **strainer posts**, rainproof-covered by a removable roof, are connected to the gate leaves by inside defined weights, pulleys and traction cables.

The **catchers**, rainproof-covered, have a claw lever lock at the head end, which locks the particular gate leaf automatically. A rubber buffer is mounted to the foot area in order to protect the gate against torsional forces and damages.

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

# DFT-2HC DAMAGE- / CRASH GATE

## Options and Accessories:

### Colour design/ labelling:

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

### Gate Monitoring:

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

### Grounding Connections:

- lug on gate post for joint FL30 or Rd 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)

### Torwerk-assembly service:

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

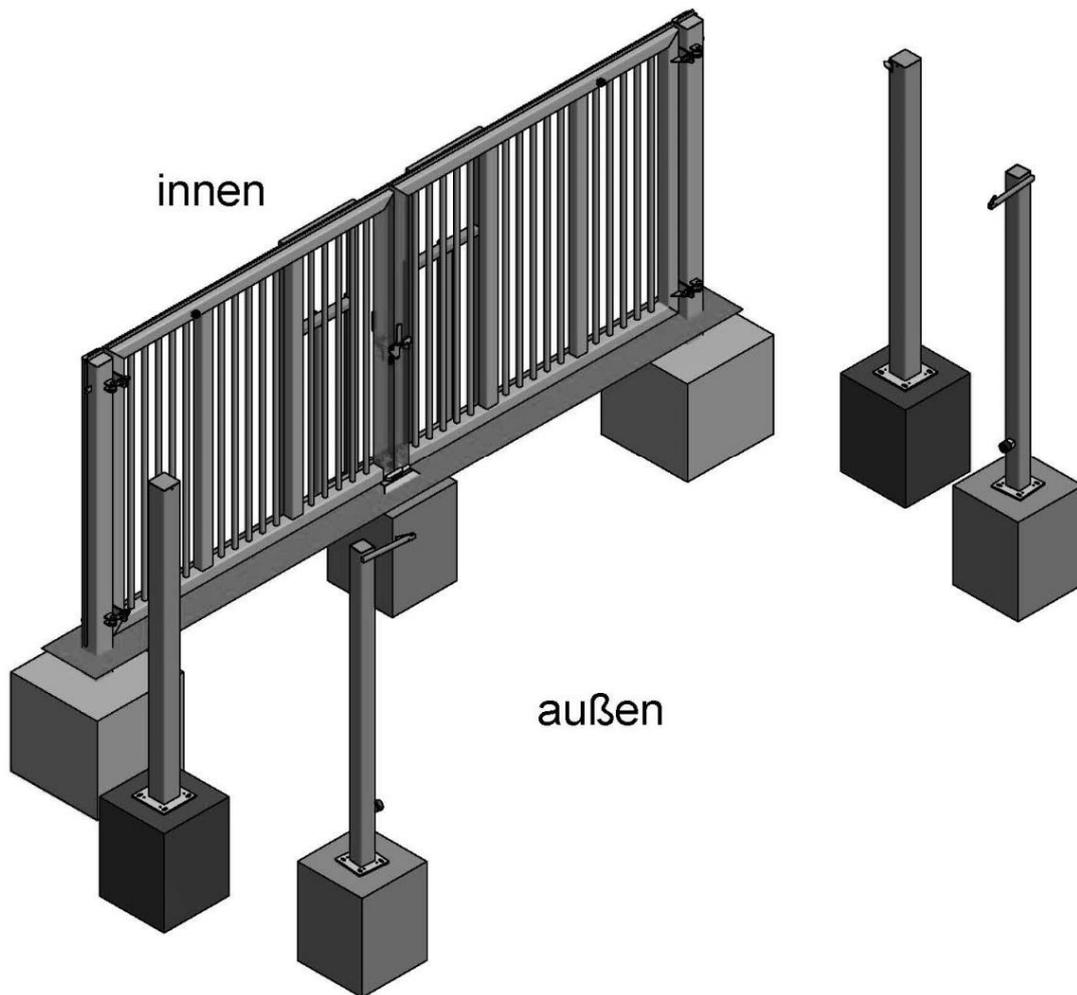
Now the ground sleeve for the locking device of the fixed leaf can be fastened and set in concrete.

Finally, the strainer posts and catchers 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).

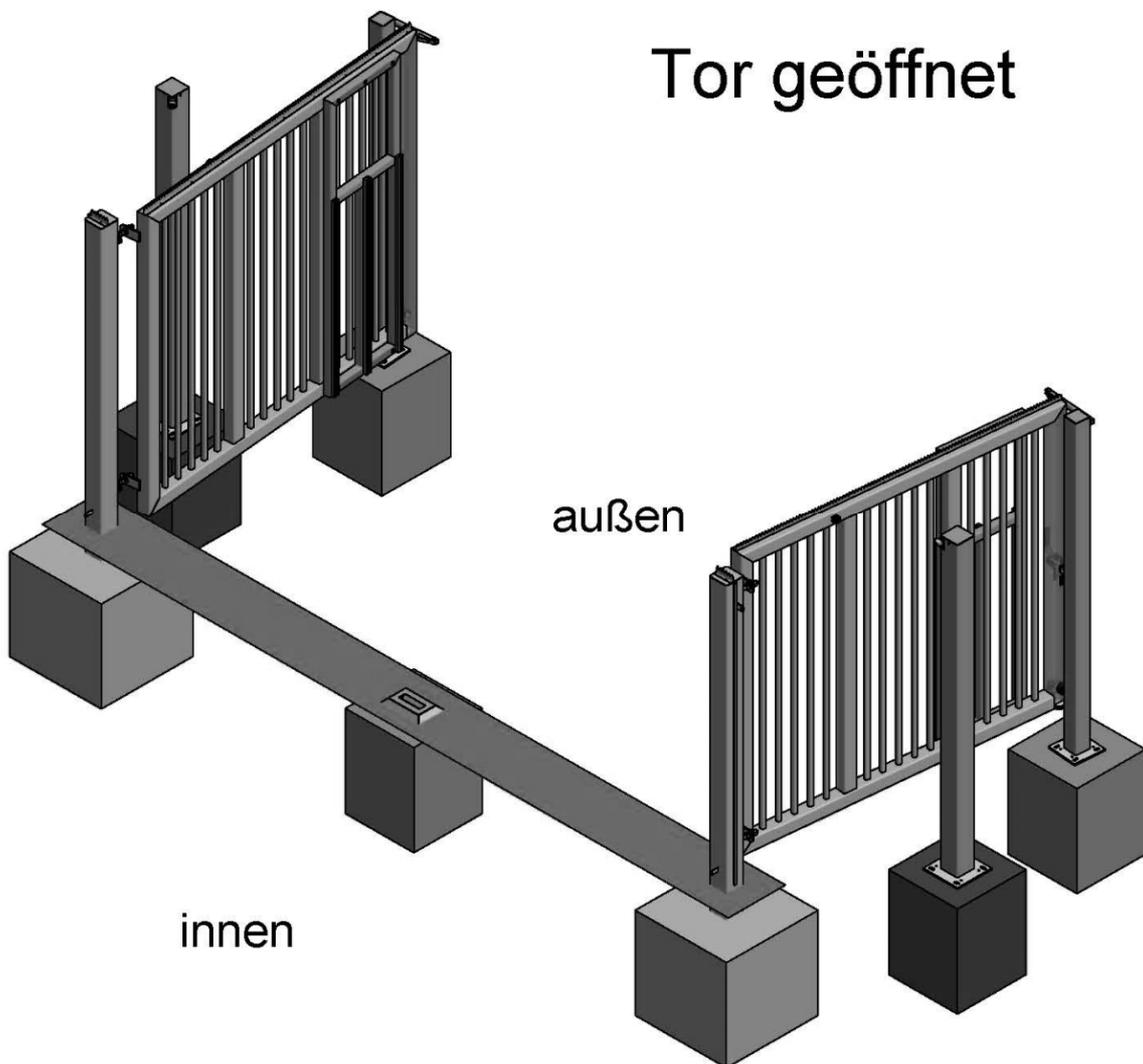
Make sure to mount diagonal supports if wire mesh, welded mesh or tension wires are connected to the gate posts to always ensure the proper working of the gate lock.

# DFT-2HC DAMAGE- / CRASH GATE

Tor geschlossen



# DFT-2HC DAMAGE- / CRASH GATE



# **DFT-2HC DAMAGE- / CRASH GATE**

