



Folding Doors

> Doors that matter.



Your specialist for tailor-made solutions



Design & Construction

- > Over 70 years of experience in the field of door and gate construction
- > 3D CAD constructions
- > Individual and customer-specific solutions



Manufacturing

- > Production in the in-house fabrication on a surface of over 17,300 m²
- > Own production hall for stainless steel doors and gates
- > Two painting cabins with drying plant



Electrical engineering

- > Pioneering component technology
- > High quality standards made possible by our own control and switchboard construction
- > Adaptation to individual customer request



Project management

- > Administrative coordination
- > Support during acceptance tests
- > Delivery, installation and commissioning by our own assembly teams



Service & Maintenance

- > Specialised staff for specified inspection and maintenance
- > If necessary, rapid support by our highly qualified service staff
- > Extensive vehicle fleet

Our expertise, ensuring your safety



Fire
protection



Smoke
protection



Burglary-
resistant



Explosion
protection



Bullet-
resistant



Radiation
protection



Flood
protection



Sound
protection



Earthquake
protection



Blast-
resistant



Air
permeability



HPEM
protection

Folding doors – our references

Berliner Verkehrsbetriebe · Betriebshof Germendorf · Betriebshof Hohenstücken · Betriebshof Ilmenau, IOV Ilmenau · Betriebswerkstatt Schöneweide · Conn Barracks Schweinfurt · Entwicklungs- und Montagehalle Daimler AG, Sindelfingen · Feuerwache Esslingen · Feuerwache Freising · Feuerwache Oberndorf · Feuerwehr Kehl Kaserne Grafenwöhr · Feuerwehr Stein · Flughafen Stuttgart · Freiwillige Feuerwehr Königsbrunn · Grenzlandkaserne Oberviechtal · Kasernen Army Lodge Katterbach · Kelley Barracks Stuttgart-Möhringen · Klinikum Mannheim · König Metall · Landesmesse Stuttgart · Messe Friedrichshafen · Messe

Karlsruhe · Messe Nürnberg · Neubau Betriebshof Babelsberg · Neue Feuerwache Stuttgart · Omnibusbetriebsbahnhof Graz, Grazer Verkehrsbetriebe · OVG Oranienburg · Panzerkaserne Böblingen · Montagehalle Automobilwerk Daimler AG, Rastatt · S-Bahn Stuttgart · Schäferkaserne Bückeburg · Schwerpunktwerkstatt Grunewalde · Smith-Barracks Baumholder · Stadtwerke München · Straßenbahnwerkstätte München · Staustufe Iffezheim · Straßenbahn Duisburg · Süddeutscher Verlag · Südkaserne Nürnberg · VBK Karlsruhe · Verkehrsbetriebe Brandenburg · Verkehrsbetriebe Potsdam

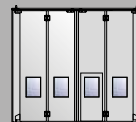


Product overview

> Folding doors

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Folding doors HFT-basic	
Door size (civil works dimension)	Width: from 2,500 up to 7,500 mm Height: from 2,500 up to 5,000 mm
Door leaf width	from 800 up to 1,220 mm
Possible configuration	1:2 / 2:1 / 1:3 / 3:1 / 2:2 / 2:3 / 3:2 / 3:3
Depth	54 mm
Material, steel sheet thickness, surface	galvanised steel/1.0 mm/primed, painted RAL 9002
Opening angle	90° / 180°
Glazing	 Insulating glass as safety glass = 24 mm from leaf height 2,600 mm on (from leaf height 4,000 mm on, it is possible to place two panes one above the other)
Types of drive system configuration 2:2 / opening angle 90°	- manual
Wicket door /divided active leaf	yes, with threshold / yes (from 3,000 mm height on)
Fittings	hidden espagnolette bolt
 Burglary protection ENV 1627 - 1630	-
 Sound insulation ISO 717-1	25 dB
 Thermal insulation (U-value) EN ISO 2567-1, EN 12428	UD ≥ 1.2 W/(m²K), foamed polyurethane
 Resistance to wind load DIN EN 12424	yes *
 Air permeability EN 12427, EN 12426	yes *
 Resistance to water penetration EN 12489, EN 12425	yes *
Ventilation grille	possible
Control	-



Folding doors HFT-classic



Width: from 2,500 up to 12,000 mm

Height: from 2,500 up to 5,500 mm

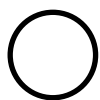
from 800 up to 1,500 mm

1:2 / 2:1 / 1:3 / 3:1 / 2:2 / 2:3 / 3:2 / 3:3 / 3:4 / 4:3 / 4:4

63 mm

1.5 mm / 2.0 mm / 3.0 mm

90° / 180° (manual)



Insulating glass as safety glass

= 24 mm min.

= 46 mm max.

Shape and position can be adapted in any way; frieze width min. 150 mm, base min. 300 mm, special glazing possible

- manual
- semi-automatic (opening with stored energy / closing manually)
- electromechanical central drive, centrally arranged
- electromechanical one spindle drive per side
- hydropneumatic one drive unit per side

yes, also without threshold / yes

surface mounted or hidden espagnolette bolt

WK 3, WK 4 (DIN V ENV 1627 - 1630)

25 dB up to 39 dB

UD $\geq$ 1.8 W/(m²K), mineral rock wool insulation

yes*

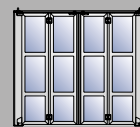
yes*

yes*

possible

HPS-Motion controller (PCB)
SPS-Control (PLC)

Frame folding doors RFT



Width: from 2,500 up to 12,000 mm

Height: from 2,500 up to 6,000 mm

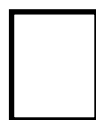
from 800 up to 1,500 mm

1:2 / 2:1 / 1:3 / 3:1 / 2:2 / 2:3 / 3:2 / 3:3 / 3:4 / 4:3 / 4:4

80 mm

tubular profile 80/80/3 with rolled-on glazing nose-piece

90° / 180° (manual)



Insulating glass as safety glass

= 24 mm min.

= 46 mm max.

Glazed or closed with double-walled panels; special glazing possible

- manual
- semi-automatic (opening with stored energy / closing manually)
- electromechanical central drive, centrally arranged
- electromechanical one spindle drive per side
- hydropneumatic one drive unit per side

yes, also without threshold / yes

hidden espagnolette bolt

WK 3, WK 4 (DIN V ENV 1627 - 1630)

25 dB

UD $\geq$ 2.2 W/(m²K)

yes*

yes*

yes*

possible

HPS-Motion controller (PCB)
SPS-Control (PLC)

* Characteristics different depending on execution and design

Special constructions

> Folding doors

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Fire station Freising, RFT



Süddeutscher Verlag, Munich, RFT



DRF Air Rescue, ZRF hangar gate, RFT



König Metall, Gaggenau, RFT



Barracks folding door Grafenwöhr, HFT-classic



Luxtram tramway Luxembourg, RFT



Daimler factory Rastatt, RFT



ÖBB Salzburg round shed gates, HFT-classic



VBK Municipal Transport Services Karlsruhe, RFT



Regenold building systems Bühl-Vimbuch, HFT-basic



Felsomat crane flap, HFT-classic



Fire station Leipzig Airport, RFT



Fire protection doors and gates

Smoke protection doors



Water protection doors

Sound insulating doors

Burglary resistant doors

Bullet resistant doors



Multipurpose doors

Multipurpose sliding doors

Folding gates

Tunnel doors



Facility protection gates

Prison cell doors

Conveyor closures

Liftable gates