Window technology

Tilt-Turn Fitting System UNI-JET

Fittings for single and double sash windows and patio doors made of timber, PVC and aluminium – suitable for manual and automatised hardware assembly in any window fabrication facility.

- Comprehensive product range: Tilt-turn, tilt only, first tilt, and side hung fittings, also for round arch head and oblique angle head windows; all available in standard version or in tested / untested security grades
- All fittings with surface sealing ferGUard*silver
- Sash components with clip connection

Advantages:
- automatic mushroom locking pins
- central locking mechanism from standard (basic) security up to WK 2
- tilt-turn stays with integral slit ventilation

Technical details, fitting variants

<table>
<thead>
<tr>
<th>Fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Sash weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber or PVC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNI-JET M, UNI-JET S</td>
<td>280-1600</td>
<td>350-2450</td>
<td>up to 130</td>
</tr>
<tr>
<td>UNI-JET D</td>
<td>280-1600</td>
<td>350-2450</td>
<td>up to 100</td>
</tr>
<tr>
<td>UNI-JET S-CONTURA</td>
<td>280-1600</td>
<td>350-2350</td>
<td>up to 130</td>
</tr>
<tr>
<td>UNI-JET S-CONCEALED</td>
<td>400-1400</td>
<td>350-2450</td>
<td>up to 130</td>
</tr>
<tr>
<td>Aluminium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>JET AK 8</td>
<td>355-1700</td>
<td>500-2400</td>
<td>up to 130</td>
</tr>
<tr>
<td>UNI-JET C</td>
<td>280-1600</td>
<td>350-2450</td>
<td>80 / 130 optional</td>
</tr>
<tr>
<td>UNI-JET D</td>
<td>280-1600</td>
<td>350-2450</td>
<td>up to 100</td>
</tr>
</tbody>
</table>

Parallel Slide and Tilt Fittings

Fittings for parallel slide and tilt units with 2 to 4 sashes.

- One handle operation, stays with forced control (mZ)
- Up to 200 kg sash weight without additional runner
- Designed for sash rebate widths up to 2000 mm (from SRW 1.850 mm with 3rd stay)
- Sashes in tilt position secured against being pushed open
- Multi-level security concept
- Wrong operation safety device

Technical details, fitting variants

<table>
<thead>
<tr>
<th>Fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Sash weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber and PVC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.U-966/200 mZ</td>
<td>720-2000</td>
<td>820-2370</td>
<td>up to 200</td>
</tr>
<tr>
<td>G.U-966/150 mZ</td>
<td>720-1600</td>
<td>820-2370</td>
<td>up to 150</td>
</tr>
<tr>
<td>G.U-966/150 oZ</td>
<td>640-1600</td>
<td>700-2350</td>
<td>up to 130</td>
</tr>
<tr>
<td>G.U-90 oZ</td>
<td>640-1600</td>
<td>700-2350</td>
<td>up to 90</td>
</tr>
<tr>
<td>Aluminium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.U-968/200 mZ</td>
<td>740-2000</td>
<td>895-2400</td>
<td>up to 200</td>
</tr>
<tr>
<td>G.U-968/150 mZ</td>
<td>740-1600</td>
<td>895-2400</td>
<td>up to 150</td>
</tr>
<tr>
<td>G.U-968/150 oZ</td>
<td>600-1600</td>
<td>730-2400</td>
<td>up to 130</td>
</tr>
<tr>
<td>G.U-90 oZ</td>
<td>600-1600</td>
<td>730-2400</td>
<td>up to 90</td>
</tr>
</tbody>
</table>
Lift-Slide Fitting Range,  
HS-\textit{Master} and HS-\textit{Master} CONCEALED

Fittings with one handle operation for units with 2 to 6 sashes.

- Extended application range of lift-locking gear for sash heights up to 2765 mm
- Newly engineered runners allow the sliding sashes to run more smoothly and quietly than ever before
- Security package for all lift-slide units
- HS slit ventilation module — convenient room aeration and enhanced burglar protection (WK2-tested)
- HS-\textit{Master} — operating convenience due to motor driven lift and slide
- HS-\textit{Master} CONCEALED — operating convenience due to motor driven lift and slide, plus the extra benefit of sophisticated design: the drive unit is integrated in the frame profile
- All fittings with surface sealing ferGUard\textsuperscript{*}silver
- Threshold G.U-thermostep, G.U-threshold 47, G.U-flatstep, G.U-timberstep
- HS-\textit{Speed Limiter} (mechanical safety component) prevents the sash from accelerating its movement
- 2-wheel runners, bottom running (G.U-922, G.U-822) or top running (G.U-925, G.U-825)
- Vertical adjustment as well as sash overlap and gasket pressure adjustment on runners, horizontal adjustment on sash hinges
- All fittings with surface sealing ferGUard\textsuperscript{*}silver

* Special 400 kg/600 kg variants

<table>
<thead>
<tr>
<th>Technical details, fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Sash weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber, PVC and aluminium</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HS G.U-934</td>
<td>700-3300</td>
<td>850-2765</td>
<td>up to 300 *</td>
</tr>
<tr>
<td>HS G.U-937</td>
<td>700-2200</td>
<td>850-2765</td>
<td>up to 150</td>
</tr>
<tr>
<td>HS-\textit{Master}</td>
<td>min. SW 950-3300</td>
<td>up to -2765</td>
<td>up to 300</td>
</tr>
<tr>
<td>HS-\textit{Master} CONCEALED</td>
<td>min. SW 1200-3300</td>
<td>1840-2765</td>
<td>up to 300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Sash weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Timber and PVC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.U-922</td>
<td>400-900</td>
<td>850-2450</td>
<td>up to 80</td>
</tr>
<tr>
<td>G.U-925</td>
<td>400-900</td>
<td>850-2350</td>
<td>up to 80</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Sash weight kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aluminium</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G.U-822</td>
<td>400-1000</td>
<td>730-2400</td>
<td>up to 80</td>
</tr>
<tr>
<td>G.U-825</td>
<td>400-1000</td>
<td>730-2400</td>
<td>up to 80</td>
</tr>
</tbody>
</table>

Slide-Fold Fittings

Fittings for slide-fold units with 3 to 7 sashes.
Horizontal and Vertical Pivot Fittings

Fittings for horizontal and vertical pivot windows with peripheral gasket:

<table>
<thead>
<tr>
<th>Technical details, fitting variants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fitting variants</td>
</tr>
<tr>
<td><strong>Horizontal pivot fittings – timber</strong></td>
</tr>
<tr>
<td>UNITAS 5 Bo, 7 Bo</td>
</tr>
<tr>
<td>UNITAS 10/22°</td>
</tr>
<tr>
<td>UNITAS 4 (circular window)</td>
</tr>
<tr>
<td>FERCO 44 E</td>
</tr>
<tr>
<td>FERCO 45 E</td>
</tr>
<tr>
<td><strong>Horizontal pivot fittings – PVC</strong></td>
</tr>
<tr>
<td>UNITAS 15, 16</td>
</tr>
<tr>
<td><strong>Horizontal pivot fittings – aluminium</strong></td>
</tr>
<tr>
<td>UNITAS 18</td>
</tr>
<tr>
<td><strong>Wendebeschläge</strong></td>
</tr>
<tr>
<td>UNITAS 93 Bo (timber)</td>
</tr>
<tr>
<td>UNITAS 88 (aluminium)</td>
</tr>
</tbody>
</table>

* max. SW and SH as specified by profile manufacturers

**DUCO Ventilators**

Flap ventilators, rotating drum ventilators and sound-absorbing ventilators

Ventilators manufactured from extruded aluminium profiles for adjustable, energy saving and sound reducing ventilation (available up to sound absorption class 4).

- Thermally broken flap or rotating drum ventilators with sealing lips or finseal brushes
- Controlled via lever, rod or cord
- Max. length of ventilator: 3000 mm
- Installation in the frame or glazing rebate of timber, PVC and aluminium windows
- Tightness against driving rain up to 650 Pa

**Technical data of ventilators**

<table>
<thead>
<tr>
<th>Application / Features</th>
<th>G.U-DucoFlat</th>
<th>DucoPlus 80 GF</th>
<th>DucoTon 80 GF</th>
<th>DucoMax</th>
<th>Silenzio 200 Uno</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flap ventilators</strong></td>
<td>Flap ventilator</td>
<td>Rotating drum ventilator</td>
<td>Sound absorbing ventilator</td>
<td>Sound absorbing ventilator</td>
<td></td>
</tr>
<tr>
<td>Installation in frame</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation on frame</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installation in glass rebate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Installation on masonry</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Glass reduction (mm)</td>
<td>90</td>
<td>80</td>
<td>100</td>
<td>100</td>
<td>60</td>
</tr>
<tr>
<td>Glass thickness (mm)</td>
<td>20,24,28</td>
<td>20,24,28</td>
<td>20,24</td>
<td>20,24,28,32</td>
<td>20,24,28,32,20,24,28,32,20-42</td>
</tr>
<tr>
<td>Installation thickness (mm)</td>
<td>20,24</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection to glazing at bottom</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Connection to glazing on side</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airflow rate (m³/h) at 2 Pa</td>
<td>56,5</td>
<td>61,6</td>
<td>69,5</td>
<td>50</td>
<td>56,5 - 163,1</td>
</tr>
<tr>
<td>Sound reduction factor (open) Dne,A (dB)</td>
<td>27,3</td>
<td>26,7</td>
<td>27,2</td>
<td>26,1</td>
<td>33 - 45,7</td>
</tr>
<tr>
<td>Sound reduction factor (closed) Dne,A (dB)</td>
<td>44,8</td>
<td>41,7</td>
<td>44,3</td>
<td>31,9</td>
<td>45,8</td>
</tr>
</tbody>
</table>
Window technology

Fan-light Openers
Slimline fan-light opener with face-fixed stays for tilt (bottom hung inward opening) units with one or more sashes.
- Vertical and horizontal rods covered with aluminium profile
- Operation via lever handle, vertical gear or corner gear. Electric drives for individual or group control.
- Fittings for rectangular, oblique angle head, arch head and segmental arch head tilt windows, also in enhanced security (“Se”) version
- Fittings for top hung outward opening windows
- Secure hold of tilt sashes with the opening stay disengaged (e.g. for window cleaning) by means of G.U security stay EURO-SOLID

Technical details, fitting variants

<table>
<thead>
<tr>
<th>Fitting variants</th>
<th>Sash width mm</th>
<th>Sash height mm</th>
<th>Opening width mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber, PVC and aluminium&lt;br&gt;VENTUS F 200</td>
<td>400-3600</td>
<td>ab 250</td>
<td>165 / 200</td>
</tr>
<tr>
<td>VENTUS F 300</td>
<td>620-3600</td>
<td>ab 350</td>
<td>220 / 300</td>
</tr>
</tbody>
</table>

Smoke and Heat Exhaust (RWA) Systems
Wherever utmost reliability and fast evacuation of smoke gases are demanded from a smoke exhaust installation in case of fire, RWA systems provide for safe, automatic opening of smoke exhaust apertures.

Advantages of RWA systems:
- Enable assisted and unassisted rescue in case of a fire emergency
- Provide for automatic ventilation
- Can easily be fit into window or façade assemblies and integrated in facility management systems

Comprehensive product range consisting of:
- Spindle drives, rack and pinion drives, and chain drives
- Locking actuators
- Opening and locking hardware
- Compact and modular control centres
- Accessories: push buttons, smoke and heat detectors (differential), rain and wind sensors

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- Provide for automatic ventilation
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Accessories for Builder’s Hardware
for timber, PVC and aluminium windows and doors.

Our well-assorted accessory range comprises modern high-quality products made from industry-leading manufacturers.

- Building chemicals
- Gaskets
- Window hinges
- Insect screens
- Fixing materials
- Glazing tools
- Door hinges
- Electric door openers

Multipoint Door Locks

Multipoint door lock ranges G.U-SECURY and SECURY-EUROPA for burglary-inhibiting main and secondary entrance doors of timber, PVC or aluminium, and for house and flat entrance doors with timber and steel frames.

- Safety door locks for burglary-inhibiting doors – WK 2 and WK 3 tested, VdS tested to class A
- Handle-operated lock types (SECURY-EUROPA) with manual locking; key-operated lock types (G.U-SECURY) with manual, motor-driven or mechanical-automatic locking
- All deadbolt and latchbolt variants are secured against being pushed back
- All locking elements throw at least 20 mm and securely engage into strike plates or into a locking rod over the entire height of the door
- Panic functions
- Backsets from 25 to 90 mm, centres from 70 to 94 mm, spindle from 7 to 10 mm
- Available in various forend widths and forend lengths
Aluminium Floor Thresholds with Thermal Break

for all house entrance doors and tilt-turn patio doors of timber and PVC, suitable both for new buildings and renovation. Thermally broken thresholds considerably reduce the heat flow at the bottom of glazed doors.

The importance of thermal break:

With normal interior air conditions (interior temperature + 20 °C, relative air humidity 50%), condensate forms with a surface temperature of approximately + 9.2 °C (dew point temperature).

With normal outside temperatures (down to -10 °C in winter), the efficient thermal break of G.U thresholds achieves a surface temperature clearly higher than + 9.2 °C. The formation of condensate is prevented, the bottom area of the door will not suffer from moisture, a sound building structure will be protected and preserved.

Applications:
The threshold programme offers variants for
- New buildings and renovation
- House entrance and patio doors of timber and PVC
- Barrier-free living to DIN 18025
- Versatile accessories providing solutions for complicated installation conditions
- Threshold-to-frame connectors for all current profiles

Mortise Locks

Standard locks
- DIN standard locks for timber, steel and narrow stile house or flat entrance doors, and internal doors

Heavy duty locks
- For all kinds of project doors – heavy duty locks class 5 are designed for the use on highly frequented doors

Self-locking locks
- Series 21 for timber and steel doors,
- Series 19 for narrow stile doors
- 2 point locking with Automatic latchbolts
- Suitability: from standard entrance doors up to sophisticated escape doors

Electro-clutch (EK) panic locks
- Series 21 for timber and steel doors,
- Series 19 for narrow stile doors
- Approved for VDS class C
- For single and double leaf doors
- Multipoint locking for timber and steel doors

Self-locking motor locks
- Series 19 for narrow stile doors
- For single and double leaf doors
- Suitable for use in the context of access control and barrier-free construction, or in connection with a swing door drive
Espace Door Systems to EN 179 and EN 1125

Panic locks and latch plates
- For single and double leaf door units

Multipoint safety door locks
SECURY Series 21 for timber and steel doors, and SECURY Series 19 for narrow stile doors
- 3-point locking with three latchbolts
- For use on burglary protection doors and escape doors; for single and double leaf units

Self-locking lock Series 21 for timber and steel doors, Series 19 for narrow stile doors
- 2-point locking with automatic latchbolts
- Suitability: from standard entrance doors up to sophisticated escape doors

Narrow stile lock Series 18
- Approved for standard narrow stile, fire protection and smoke protection doors
- Choice of escape door functions for various requirements on single and double leaf narrow stile doors

Panic lock Series 23
- For timber and steel doors. For various requirements on single and double leaf fire protection, smoke protection and escape doors

Push bars, touch bars, door fittings
- For single and double leaf door units

Locking Cylinders and Master Key Systems

Cylinder Series 88
- Conventional profile cylinders for single differ and keyed alike applications

Cylinder Series 31
- Profile, round and special type cylinders for all locking applications and types of master key suites

Cylinder Series 33 SL
- Security cylinder with additional locking members; within master key suites combinable with series 31

Cylinder Series 45 janus (reversible key system)
- Security cylinder for registered differ and complex master key systems
- Variable cylinder length (Sandwich design)

Cylinder Series 50 (reversible key system)
- Profile cylinder for single differ, keyed alike locking, registered differ and all suited applications

Cylinder Series 51 SL (reversible key system)
- Security cylinder with additional locking members; within master key suites combinable with series 50

Master key system variants
- Central locking system for multifamily residences
- Master key system for minor office or factory buildings
- Grand master key system for large buildings
Door technology

Mechatronic Locking System SE
- Cost-efficient solutions thanks to the combined use of mechanic, mechatronic and electronic lockins systems within one master key suite
- One common transponder key for all SE products
- Identical, easy programming of all components with one programming device

Electronic cylinder janus* SE
- Low-cost integration in janus* master key suites (also retrofitting)
- Suitable for escape doors
- Twofold security thanks to mechanic and electronic verification of access authorisations

Double cylinder SE with turn knob
- Combination with/retrofitting of all master key suites of Series 31, 33, janus* and also of external master key suites possible
- Aesthetic solutions for design-oriented door furnishing (e.g. glass doors)

SE wall reader
- Electric gates, elevators, parking barriers and automatic doors for barrier-free application can be operated with the SE transponder key, just like the cylinders

KeyManager 3.6
- Overall administration of mechanic, mechatronic and electronic cylinders and readers
- KeyManager 3.6 allows for the direct programming of SE products
- One user interface for the display and print of mechanic and electronic access authorisations

Door Furniture

Designer furniture
- In stainless steel for sophisticated projects
- Also for private applications – the backplate can be made to your own design and combined with any of our handle models

Push bars and escutcheons
- Push bars in a choice of designs
- Escutcheons with EN certification

Security furniture for narrow stile doors
- Security furniture with EN 1906 certification
- In stainless steel, brass and aluminium

Security furniture
- Complete programme of attractive designs for improved security
- Tested to EN 1906 – protection classes 1, 2, 3, 4 and standard version

Project furniture to EN 1906
- Versatile range of project furniture with choice of handle designs and backplates in a variety of materials

Furniture for internal doors
- In aluminium, stainless steel and brass

Escape door systems to EN 179 and EN 1125
- Door handles and push bars for single and double leaf door units
Hold-Open Systems
Smoke and fire detection accessories for hold-open systems. In the event of a fire, electrical hold-open devices or holding magnets are disconnected from the mains, thus releasing the door via door closer.

Accessories for hold-open systems:
- Smoke control switch unit BMZ 730 H with integral fire detector
- Wall or ceiling-mounted optical smoke detectors
- Trigger power supply unit for the voltage supply of smoke switch systems
- Manual actuation button, surface or flush mounted
- Door holding magnets, e.g.:
  - standard variant with steel base plate
  - variant with aluminium swivel head
  - floor-mounted variant
- Armature plates

Overhead Door Closers OTS, Floor Springs UTS, Rebate Door Closers
Versatile range of door closers for single and double leaf doors and hold-open systems.
Overhead door closers are suitable for single action swing doors, floor springs are suitable for both single and double action swing doors.

Standard /optional features: (depending on closer type and variant)
- Integrated door leaf coordination
- Mechanical or electro-mechanical hold-open device
- Interchangeable spindles and spindle extensions

### Closer types and technical data

<table>
<thead>
<tr>
<th>Door closer type</th>
<th>Linkage</th>
<th>Closing force **</th>
<th>for fire and smoke protection doors **</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overhead door closers OTS</td>
<td>Slide rail</td>
<td>3 - 6</td>
<td>**</td>
</tr>
<tr>
<td>OTS 730</td>
<td>Slide rail</td>
<td>2 - 4</td>
<td>-</td>
</tr>
<tr>
<td>OTS 630</td>
<td>Slide rail</td>
<td>3 / 2 - 4</td>
<td>**</td>
</tr>
<tr>
<td>OTS 633/634</td>
<td>Scissor action arm</td>
<td>2 - 6 / 4 - 7</td>
<td>**</td>
</tr>
<tr>
<td>OTS 530</td>
<td>Slide rail</td>
<td>2 - 5 / 2</td>
<td>**</td>
</tr>
<tr>
<td>OTS 430, 440/440G</td>
<td>Scissor action arm/Slide rail</td>
<td>2 - 3 / 4</td>
<td>**</td>
</tr>
<tr>
<td>OTS 330/210</td>
<td>Scissor action arm</td>
<td>3 - 4 / 1</td>
<td>-</td>
</tr>
<tr>
<td>OTS 200/200G</td>
<td>Scissor action arm/Slide rail</td>
<td>1 / 2 / 3 / 4</td>
<td>-</td>
</tr>
<tr>
<td>OTS 140</td>
<td>Crank gear</td>
<td>2 - 6 / 3 - 5</td>
<td>- / to DIN 18263, part 1</td>
</tr>
<tr>
<td>OTS 80/81</td>
<td>Concealed installation in the vertical door rebate</td>
<td>2 - 4 / 1 - 2</td>
<td>-</td>
</tr>
</tbody>
</table>

| Rebate door closers Rebate door closer 24/20 | Concealed installation in the vertical door rebate | 2 - 4 / 1 - 2 | - |

<table>
<thead>
<tr>
<th>Door closer type</th>
<th>Max. load capacity</th>
<th>Closing force **</th>
<th>for fire and smoke protection doors **</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor springs UTS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UTS 85</td>
<td>300 kg</td>
<td>2 - 5 / 3 - 6</td>
<td>**</td>
</tr>
<tr>
<td>UTS 42</td>
<td>120 kg</td>
<td>1 - 4</td>
<td>-</td>
</tr>
<tr>
<td>UTS 50/60</td>
<td>120 / 170 kg</td>
<td>3 / 4</td>
<td>-</td>
</tr>
<tr>
<td>UTS 840 *</td>
<td>120 kg</td>
<td>3 and 4</td>
<td>-</td>
</tr>
</tbody>
</table>

** only for double action swing doors ** Size to EN 1154
**Door technology**

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**G.U-BKS ACCESS – Electronic Access Control**

Two system variants to meet particular security requirements:
- Stand-alone card system for individual doors
- Networked system for complex security zones

- Door release via:
  - Key pad (PIN code)
  - Card reader
  - Biometric fingerprint reader (networked)
- Simple operation
- Numerous setting functions, e.g. for time zones, access areas, access groups, individual access, visitor management, security patrols
- Usable in combination with electromechanic locks, escape door systems and automatic door drives, all supplied by the G.U Group

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**Escape Route Security**

Combined with electrically locking panic locks, the FTNT10 escape door control system from G.U-BKS offers efficient protection against misuse of escape doors whilst providing unrestricted burglar inhibition.

**Escape door control system FTNT10**

- Control unit with integral emergency button
- Unambiguous signalling
- Compatible with many customary wall switch programmes
- Approved in accordance with ElTTR
- Easy installation, start-up and servicing
- G.U-BKS NET interface

**Electrically locking panic lock EVP**

- Self-locking locks of Series 21 for timber and steel doors, and Series 19 for narrow stile doors
  - Latch of electric lock is ideally integrated in the panic lock case (rather than being located at a separate locking point)
  - Reduced number of system components
  - Planner and fabricator-friendly lock system
Automatic Entrance Systems

GU Automatic sliding door systems offer functionality, cost-effectiveness and security wherever they are applied. Based on microprocessor-controlled drive units with small installation height, the comprehensive delivery programme provides convenient and barrier-free entrance solutions. Slim frame profiles emphasise the sophisticated door design. All door systems are TÜV-tested (German Technical Supervisory Association) for the use with emergency and escape routes.

Sliding doors
- Creation of fine entrances with slim drive units
- User-friendly opening and closing

Telescopic sliding doors
- Large passage areas even in restricted structural openings
- Stylish appearance due to slim frame profiles

Curved sliding doors
- For entrances with sophisticated architecture
- Slim drive unit with integral safety sensors

Prismatic sliding doors
- Passage convenience combined with impressive entrance design
- Available in any angle from 90° to 179°

Swing Door Drives

Drive units for single and double leaf swing doors, suitable for the installation in all locations. Safe and simple operation. Easy retrofitting of manual doors in the course of renovation. Suitable for the use with fire and smoke protection doors. A drive variant for infloor assembly is also part of the programme.

- Low-noise operation
- Suitable for exterior and interior doors
- Easy assembly, start-up and maintenance
- Integrated function selection switch with LED indication
- Mechanic release from hold-open position
- Adjustable wind pressure function
- Dynamic adaptation of hold open time
- Connection of motor driven lock, SECURY A-opener, electric door opener and safety sensors possible
- Slot for radio receiver card
- Rugged case in fashionable G.U-BKS design
Revolving Door Systems

Revolving doors are suitable for a large variety of applications. Meeting individual demands in dimensions and design, they provide functional building entrances with efficient protection against noise and air draught.

- **Revolving doors**
  - Operation: manual or with fully automatic drive system
  - Convenient and safe passage due to 3 or 4-chamber system
  - Individual creative solutions for sophisticated building architecture
  - Innovative door design, e.g., all glass assemblies with glass roof and infloor drive

Security Doors

Security revolving doors and security interlocked curved sliding doors for all areas where a high degree of security is required, e.g. in banks, ministries, computer centres.

- Controlled admission of authorised persons via integral electronic access control system
- Protection of main and side entrances without additional staff

All-Glass Sliding Partitions

Partition wall systems allow for individual applications in commercial buildings, banks and shop in shop areas in shopping centres.

- **Manual and fully automatic all-glass sliding partitions**
  - Variable room division
  - Separation of areas to create representative show rooms
  - Unlimited creative solutions according to requirements due to linear, curved or segmented variants
  - Convenient opening and closing at the push of a button or manual operation – all at the customer’s option
G.U-BKS NET

The management system G.U-BKS NET interconnects our electro-mechanical systems by means of modern bus communication, thus ensuring the automatic interplay of different functions.

Its modern system structure comprises centralised system configuration as well as centralised system monitoring.

The bus system allows for controlling and visualising a great number of mechatronical products via interface connection to the facility management system GEMOS.

GEMOS – Security System Solutions for Buildings and Facilities

The facility and security management system GEMOS integrates all mechatronic and electronic equipment items of a building, whereby the focus is put on security installations. The web-based management interface not only allows to monitor and administer all integrated systems in a truly reliable manner, but also controls the interplay of facility equipment items of different trades.

- G.U-BKS NET
- Fire detection systems
- Intrusion alarm systems
- Facility management systems
- I/O Modules
- Communication systems
- Video systems
- Access control systems
- Reception desk systems
- Escape door control systems
- Perimeter systems
- Emergency alarm systems
- UGM
- Smoke and heat exhaust vent systems

Thanks to its versatility, GEMOS enables the customised, efficient and convenient implementation of facility-specific requirements. Moreover, the Gretsch-Unitas Group of Companies offers all relevant services such as engineering, installation, and, of course, project maintenance. A large number of international references from various application areas attest to the performance ability of this integrative approach.
Data Services and Software Programmes

The services provided by the Gretsch-Unitas Group of Companies comprise a range of information, planning, administration and ordering tools:

**Tendering Service**
- Internet based module for the creation of complex specification clauses in the formats: Word / Excel / Gaeb81 / Gaeb82, with integrated Gaeb import function

**CIS – Customer Information System**
- Internet-based customer information and ordering system including availability check, order tracking and invoice archive.

**MKS – MasterKeySystem**
- Internet-based platform for planning and ordering master key systems

**KeyManager**
- Professional software for administering, recording and programming mechanic and mechatronic master key systems

**ConfiGUrator**
- Internet-based product finder and configuring software for the calculation of hardware sets and parts lists, and the provision of quotations. Applicable for the product divisions Windows, Doors and Entrance Systems.

**Hardware Data Service**
- Determination of individual hardware solutions and supply of data for CNC based window fabrication