

40 YEARS tousek®

G A T E A U T O M A T I O N



RELIABLE
INNOVATIVE
USER-FRIENDLY

QUALITY PRODUCTS
FROM AUSTRIA

Automatic Gate Operators – simply moving ...



The Products

Tousek products are used and highly appreciated all over the world due to their innovative technology and their quality standards. High durability and the latest electronics are essential features of our products. For us quality means more than exactness of measurements and operation. Continuous analysis and control during reception and issue of goods are core elements of our quality assurance.



The Company

We are an innovative manufacturer, who above all is focusing on quality. Short and rapid communication ways between development and distribution bring about permanent and rapid adjustments to the market demands in the Tousek Company. Research, development, construction of prototypes, tests, production and quality control are located in the company seat itself and therefore guarantee a continuity of the production level.



The Employees

...are the most valuable capital of each company, this is the reason why we are consciously concentrating on long-term belonging and permanent training. The consequence is a high level of knowledge and experience of our employees and our customers can feel it at any time. Team work and a strong sense of cooperation – like in a big family – are not just words but reality experienced day by day.



History

With the foundation of Tousek Gate Operators in Austria in 1974 Eduard Tousek prepared the ground for today's company group and was already at that time considered as a trend setter by the branch. From the very beginning Tousek was exclusively focused on the supply to this special trade branch. This partnership led to our success. In the meantime Tousek is present with own branch offices in Germany, the Czech Republic, Poland, Switzerland and Benelux.

The Goals

Wherever a customer is looking for particularly safe and innovative gate operators in Europe, we want to keep playing a decisive role. We concentrate on ensuring our permanent success in all areas through continuous development and productivity.

Our Motto

All our activities concentrate on the success of our customers. Business was carried out in the past, is carried out currently and will be carried out in the future between human beings, this is the reason why it is essential to emphasize courtesy, kindness and esteem in the contact with our customers. The customers shall feel comfortable.



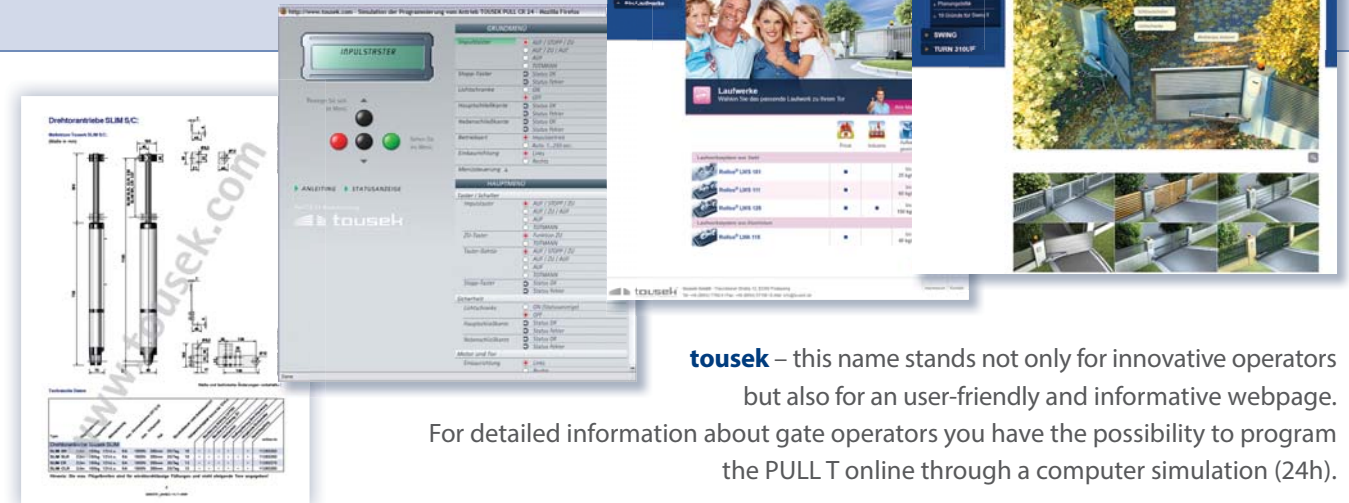
TÜV-TEST

Our sliding gate operators **Pull T** as well as our swing gate operator **Slim CLR** have gone through the initial test by TÜV SÜD for EN 132 41-1 regulation underlying EN 12453 and EN 12445.

For a gate installation according to our specification with these operators, an active safety sensing edge at the main closing edge is not applicable. Control book and test certificate for your gate installation are available on our internet site.

Please visit us in the Internet

www.tousek.com



tousek – this name stands not only for innovative operators but also for an user-friendly and informative webpage. For detailed information about gate operators you have the possibility to program the PULL T online through a computer simulation (24h).

On the partner site all tousek brochures/ catalogues as well as technical manuals are available for download as PDF file.

Programmable control unit

The programming of an electronic control board for gate operators has never been so easy and comfortable.



Electronic limit detection

the operator detects automatically the end positions of the gate during start up and saves them.



Photocells

the function of the photocell can be adjusted on the control board in accordance to your own wishes.



Connection help

the display informs about the correct connection during installation and displays any errors and therefore helps saving time.



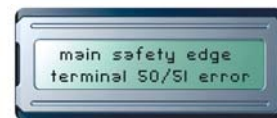
Soft stop

can be programmed separately for opening and closing movement. Between 30% and 100% of actual movement speed are possible in 1% steps without change of travel way.



Safety sensing edges

8,2 kOhm safety sensing edges can be connected directly to the control unit, separately for main and side safety edge. Thereby the cost-intensive switching device is not necessary. If one of the safety sensing edges is triggered the display will show that.



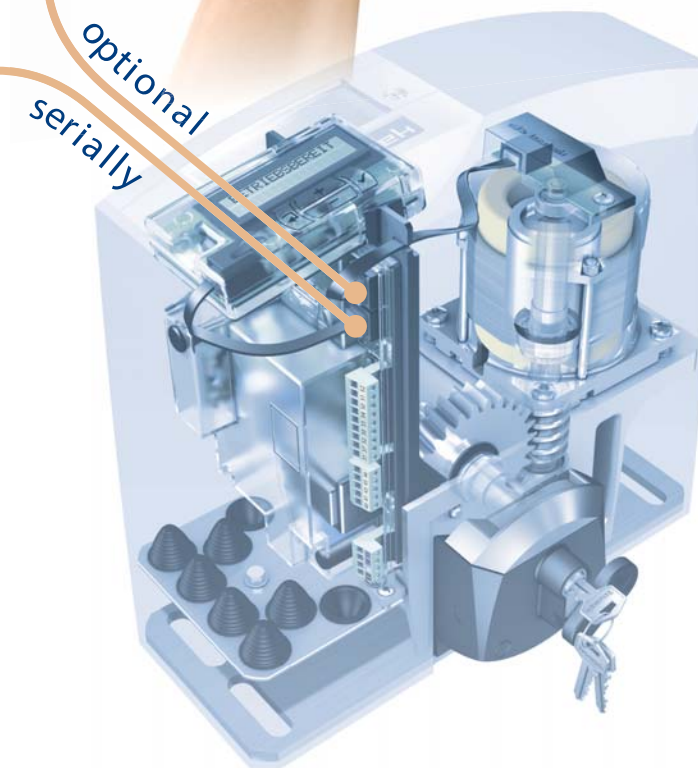
Operator control boards microprocessor controls

General product features

- Large illuminated LC-Display (2x16 characters))
- With vision panel
- Clear text menu programmable via four buttons in 6 languages
- Status display for safety and impulse connections
- Pluggable 1- or 2-channel radio receiver
- Direct connection of 8,2 kΩ safety sensing edges
- Electronic force regulation
- Electric lock output (except for sliding gate operators)
- Self-monitoring of photocell
- Operation mode is selectable (impulse, automatic, dead man)
- Free adjustable partial opening for pedestrians, also with one leaf
- Partial opening also available through remote control
- With ST 12/5: direct connection for courtyard light (100W)
- In languages DE, GB, ES, CZ, PL, FR, IT



optional
serially



tousek Interface

NEW

General product features

- Programming via PC/laptop
- Event display of the last 800 cycles
- Saving of preset menu parameters/BVH
- Uploading of preset menus into the control board
- History/protocol of all changes/events in the menu cycle counter
- Software updates via Internet
- Event memory sent by e-mail (internet access required)
- Compatible with PULL T series, ST51 and ST61, TPS and PASS



tousek®



selectable in 7 languages
CONTROL DISPLAY IN ENGLISH
TOUSEK INTERFACE COMPATIBLE

Gearing made of tempered steel

All Pull T Models are equipped serially with a massive metal gearing. Only high quality branded oil is used to ensure an optimal lubrication even in low temperatures. The result: enhanced reliability and an even longer durability.

Lockable emergency release

The motor locks the gate in a safe and reliable way. The emergency release – important in case of power failure – is locked with a standard euro cylinder. It can be exchanged and integrated into an existing key system. The scope of delivery includes a cylinder and three keys.

Sensor

Another unique feature is the newly developed speed sensor of the Pull T. It receives an unbelievable amount of 6200 signals per second! Therefore the Pull T can adjust permanently and actively the necessary force. The force remains the same at any speed (torque), so that later adjustments do not apply. The known high safety standards from tousek have again been improved for this operator series. Of course the Pull T series fulfils the EN 13241-1 regulation/norm.

Battery

As optional requirement a battery pack for backup use can be integrated directly into the Pull T24 or T24speed. This enables an opening or closing of the gate even without external power supply.

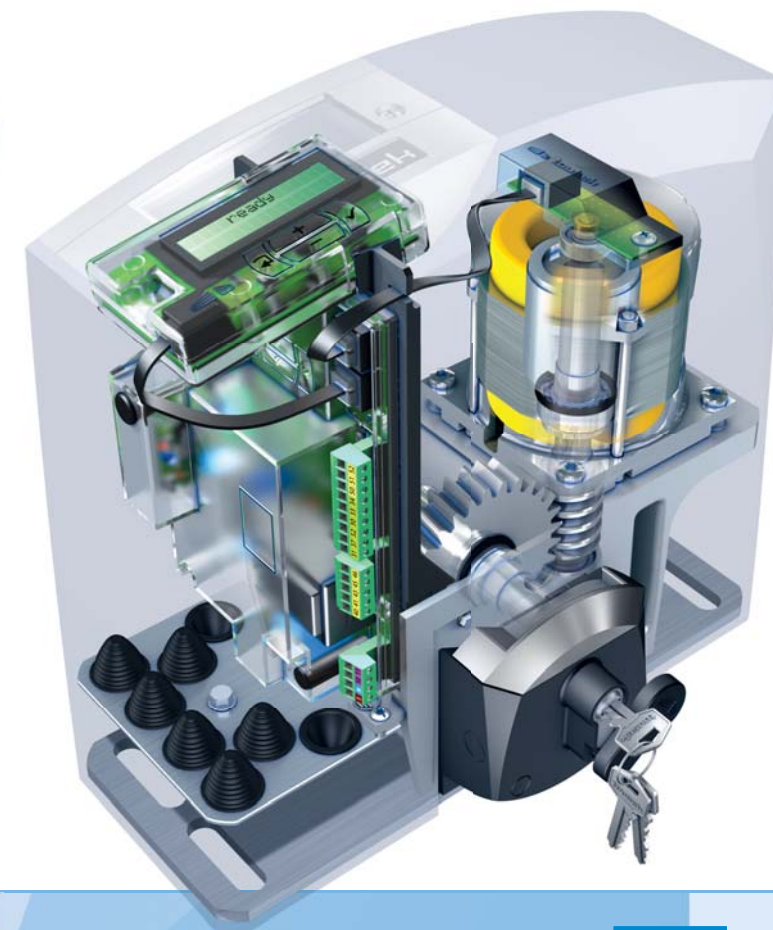


The centrepiece of Pull T is the display which can be read from outside. The big advantage: a view on the status display with clear text is sufficient and you will know about all operations and adjustments. The use, the installation as well as all service and maintenance works are simplified with the display. By the way, the display is removable, so no one has to go down on knees or bend down to make adjustments anymore.

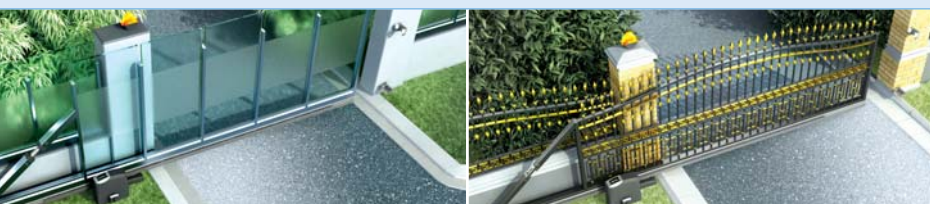


Economical

The PULL T helps you save valuable energy and time. In standby mode the intelligent control unit turns off all accessories which are not used and achieves by that an extremely low power consumption of approx. 1 Watt!



Sliding gate operator PULL T - dynamic and safe



Self-learning end positions (limit detection)

All models learn automatically the end positions of gate during installation. Also the fine adjustment of limits can be determined individually to meet own requirements. Magnetic limit switches which can freeze during winter time are not necessary anymore.

Soft stop

In both movement directions the operator will stop with reduced speed. With a harmonic gate movement the complete mechanics of gate and operator are preserved.



Safe with ARS-System

ARS – Automatic Reversing System. If the gate meets an obstacle the motor will stop immediately and reverse automatically. This corresponds to the highest possible safety. With model Pull T8 the active safety sensing edge at main closing edge is not necessary up to 800kg gates. Thus, a costly power supply system is omitted.

*Initial test in compliance with EN 13241-1 by TÜV-Süd taking as a basis EN 12453 and EN 12445.

Technical Data:

NEW

Designation	Pull T5	Pull T8	Pull T10	Pull T15	Pull T24	Pull T24speed
Gate weight	500 kg	800 kg	1.000 kg	1.500 kg	600 kg	400 kg
Max. gate travel	30m	30m	30m	30m	30m	30m
Duty cycle	20 cycl./day	up to 40%	up to 60%	up to 60%	up to 80%	up to 80%
Travel speed	11 m/min.	11 m/min.	9 m/min.	9 m/min.	13 m/min.	16 m/min.
Torque	20 Nm	25 Nm	25 Nm	30 Nm	20 Nm	20 Nm
Mains voltage	230V±10%	230V±10%	230V±10%	230V±10%	230V±10%	230V±10%
Motor voltage	230V	230V	230V	230V	24V DC	24V DC
Tooth gear	Z20 module 4	Z20 module 4	Z16 module 4	Z16 module 4	Z16 module 4	Z20 module 4

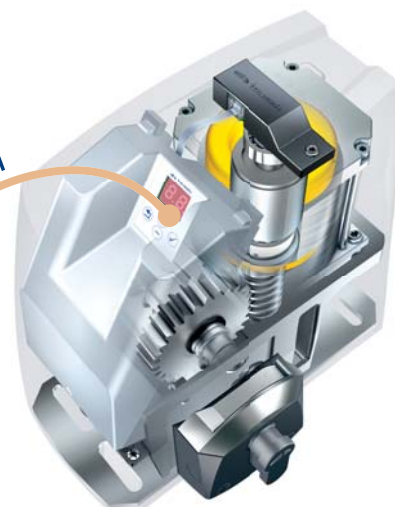


tousek Pull TSA

- Self-learning end positions
- ARS - Automatic Reversal System
- Direct connection of 8,2kΩ Safety contact edges separate for main and side closing edge
- Integrated 800 cycles memory
- Integrated radio receiver 868Mhz
- 7-Segment display



optional



Moreover, it is possible to connect a Tousek control display. This way all settings can be performed by means of the usual clear text menu. Like for example the status display for safety and switch inputs or the setting of the soft stop. The PULL TSA has all the trusted Tousek features.

NEW



Sliding gate operator *PULL TSA*



Technical Data:

Designation	Pull TSA
Gate weight	400 kg
Max. gate travel	30 m
Duty cycle	20 cycl./day
Travel speed	11 m/min.
Torque	18 Nm
Mains voltage	230V±10%
Motor voltage	230 V
Tooth gear	Z20 module 4

tousek TPS 35 PRO

- Suitable for heavy duty use (100% duty cycle)
- Large, illuminated LC-Display (2x16 characters)
- Clear text menu navigation operated with four buttons
- Distance measurement via absolute encoder. All learning cycles after unlocking and power failure are omitted.
- Direct connection of four 8,2kΩ safety contact edges
- Mechanical brake for safe gate stop
- Input for gate back area monitoring
- Emergency opening function.
Upon failure of a safety device
The operator can be operated in deadman mode



100% duty cycle
18 m/min
3.500 kg
100 Nm



TPS 35 PRO

NEW

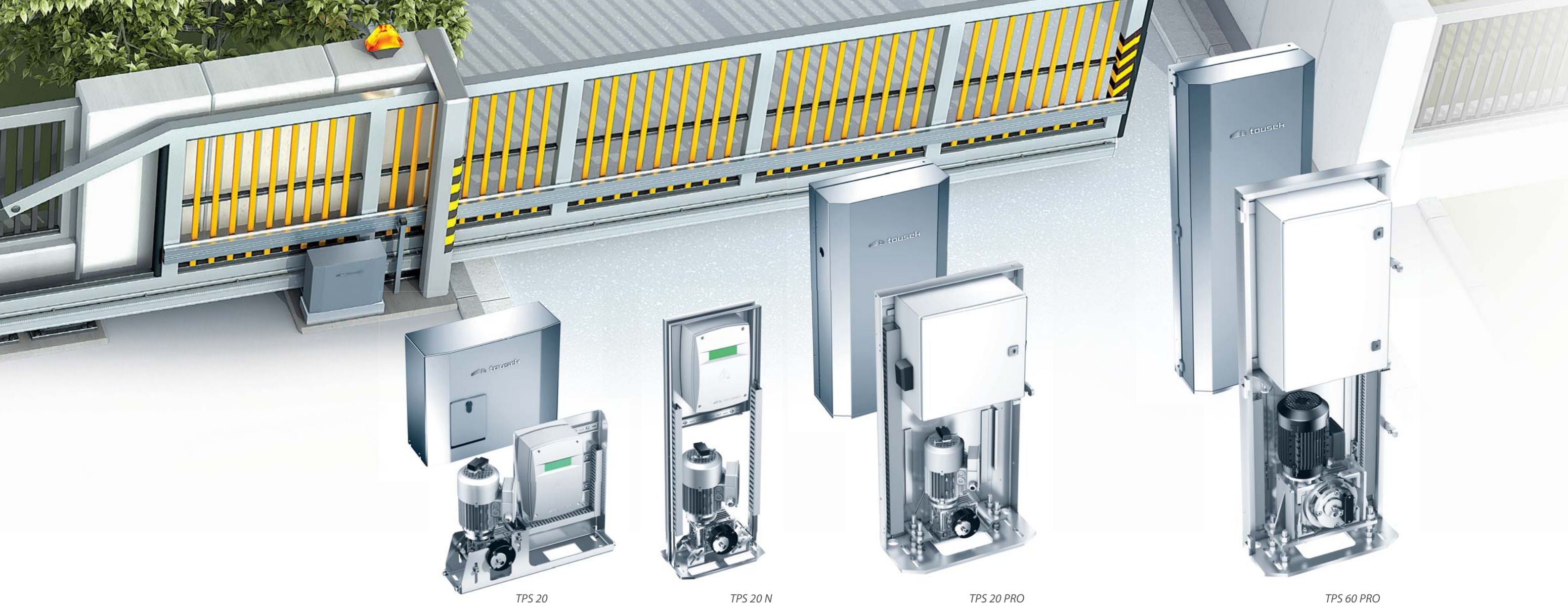
Industrial Sliding gate operator *TPS 35 PRO*

Technical Data:

Designation	TPS 35 PRO
Gate weight	3.500 kg
Max. gate travel	30 m
Duty cycle	S1 100%
Travel speed	18 m/min.
Torque	100 Nm
Mains voltage	230V±10%
Tooth gear	Z13 module 6

New features of tousek TPS 35 PRO

- Revolution speed control via frequency Inverter
- Very good energy efficiency thanks to gearing with high efficiency
- Distance measurement is performed with absolute encoder, thus eliminating a corresponding learning run after emergency release or power failure
- Positioning of the end positions either automatically or manually
- Easy-to-use emergency release. (Without tools)
- In case of failure of a safety device it can still be moved in dead man mode.



TPS 20

TPS 20 N

TPS 20 PRO

TPS 60 PRO

Industrial Sliding gate operators TPS for heavy duty use



tousek TPS 20

- For heavy duty use (80% ED)
- Large, illuminated LC Display (2x16 characters)
- Clear text menu navigation operated with four buttons
- Distance is measured via speed sensor (with positioning limit switch)
- Direct connection of four 8,2kΩ safety contact edges
- Mechanical brake for safe gate stop
- Permanent self-regulating force with Boost-Function (increased driving force)
- Input for gate back area monitoring
- Emergency opening function. Upon failure of a safety device the operator can be operated in deadman mode

tousek TPS 60 PRO

- For industrial sliding gates with max. weight 6.000kg
- Integrated control unit with frequency converter
- Large, illuminated LC-Display (2x16 characters)
- Clear text menu navigation operated with four buttons
- Distance is measured via speed sensor (with positioning limit switch)
- Direct connection of 8,2 kΩ safety sensing edges separately for main and side safety sensing edge
- Integrated main switch and 230V Schuko plug
- Optional, height adjustable fork bracket or angle for signal transmission system

As with all control boards from Tousek it is accustomed to adjust the settings quickly easily from the programming menu. Whether such as: the operational function (impulse, automatic or deadman) or the adjustable partial opening for pedestrians, car or truck. Its housing is made of stainless steel. This is covered with a powder coated aluminium housing and has a lockable profile half cylinder.

Technical Data:

Designation	TPS 20	TPS 60 PRO
Gate weight	2.000 kg	6.000 kg
Max. gate travel	30 m	40 m
Duty cycle	S3 80%	S3 80%
Travel speed	14 m/min.	9 m/min.
Torque	55 Nm	300 Nm
Mains voltage	230V±10%	400V
Tooth gear	Z15 module 4	Z17 module 6



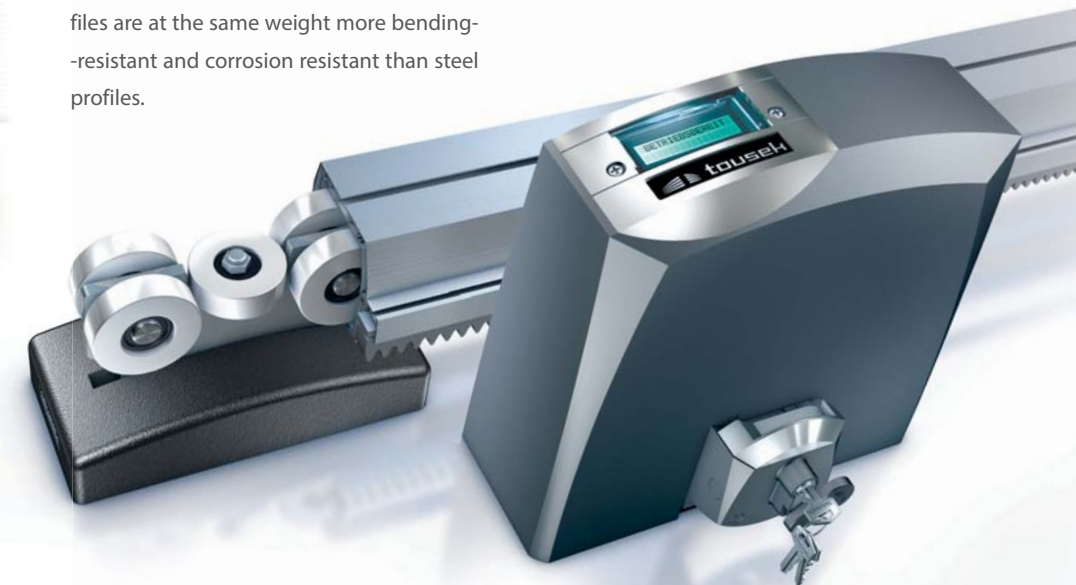
Aluminium cantilever systems for all cantilevered sliding gates with up to 5.8 metres passage width

The new Tousek cantilever system

Rollco® LWA 115/1

is the result of a brand-new concept: innovative ideas for short mounting times. The high-quality aluminium rail guarantees absolute corrosion resistance and is about 2/3 lighter than usual steel rails. Thanks to the hollow chamber design, the aluminum profiles are at the same weight more bending-resistant and corrosion resistant than steel profiles.

The solid roller unit with its large polyamide rollers (ball bearing-cushioned) guarantees a maximum of quiet, even at highest load, as well as reliability for many years.



- ① Aluminium rail
- ② Galvanized steel roller units with polyamide rollers
- ③ Plastic coverings
- ④ Aluminium end plates
- ⑤ Aluminium guide-in bracket
- ⑥ Stainless steel guide bracket
- ⑦ Stainless steel turnbuckle
- ⑧ Stainless steel guide-in fork bracket
- ⑨ Plastic gear rack

Aluminium Cantilever Systems for Sliding Gates Rollco® LWA 115/1 *innovative and rational*



R+T 2003
INNOVATION PRIZE
INTERNATIONAL
ROLLER SHUTTER
GATES AND
SUN PROTECTION
TRADE FAIR

■ Rational installation

The innovative cantilever system profile makes installing the gear rack, gate and limit switches time saving and rational.

■ Perfect gate movement

The roller units, adjustable in height and angle, completely eliminate load alternation reactions.

■ Corrosion resistant

The use of aluminium and stainless steel guarantees absolute corrosion resistance.

■ Smooth and quiet while moving

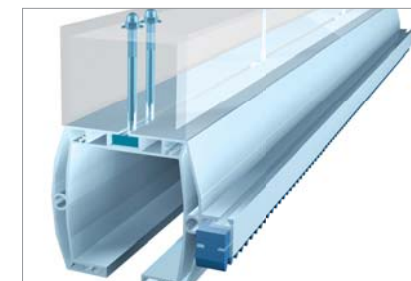
The aluminium rail combined with the solid roller unit and the large polyamide rollers (ball bearing-cushioned) guarantees quiet and smooth movement.

■ Compatible

The Rollco LWA 115/1® has been designed to be optimally compatible with the Tousek Pull sliding gate series; of course, the Rollco LWA 115/1® can also be operated manually.

■ Hollow-chamber construction

The hollow-chamber construction ensures a maximum flexural strength. Despite the low aluminium weight the carrying power corresponds to that of a steel profile.



■ Innovation

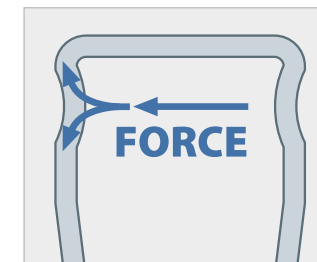
The unique profile construction allows the gear rack and the gate set-up to be mounted on the rail without drilling, which saves much time.

Rollco® LWA 115/1

Designation:	For industrial and residential use
Material:	Aluminium AlmgSi 0,5 DIN 1725, Natural aluminium surface
Measurements:	Width/Height: 108/105 mm
Carrying power:	40 kg/m
Gate frequency:	50 cycles/day
Weight:	approx. 5 kg/m
Lengths:	4.300 mm, 6.000 mm, 8.000 mm
Profile	Passage width (max.)
4.300 mm	3.000 mm
6.000 mm	4.300 mm
8.000 mm	5.800 mm



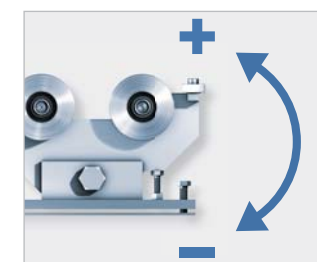
HOT-DIP GALVANISED



Concave side wall
much higher stiffness in comparison to usual "flat" walls



Unique rolling gear covers
protects and leaves the mechanical parts covered



Adjustable inclination of rolling gear
important against tilting when changing the load and therefore silent and low-wear movement.



Drilling channel
helps gear rack mounting and saves valuable installation time!

The Cantilever System Rollco® — so easy to move...

Due to the numerous advantages of cantilever sliding gates, they are also increasingly used in the private sector by quality-oriented metal producers. Impervious to snow and ice the gate hovers away from all ground unevenness. Easy installation through prefabricated system components. All Tousek cantilever systems can be used easily for the automatic operation, but even for a manual operation the cantilever system convinces due to a quiet running and easy operation. Rollco rails are produced on request and the gear racks preinstalled for an automatic operation.

Compatible

The **tousek Rollco® LWS 101, 111, 125** cantilever systems for sliding gates have been optimally designed to be compatible with the **tousek Pull** sliding gate series. Naturally, all systems can also be operated manually.



Steel Cantilever Systems for Sliding Gates Rollco® LWS 101 / 111 / 125 solid and silent



With the Rollco® LWS 101, 111, 125 cantilever system, **tousek** has realised a new concept. The rail, of high-quality, hot-dip galvanised steel is suitable for outdoor use without any further surface treatment.

Modern cantilevered sliding-gate constructions are advantageous in many ways. The most important one: imperviousness to ice and snow, the gate hovers away from all ground unevenness.

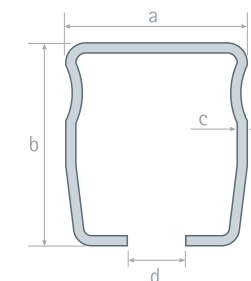
The solid roller unit, with its large, ball-bearing supported steel rollers, ensures optimal guidance and guarantees the greatest quiet in operation, even at maximum load, and reliability for many, many years.

The adjuster screw prevents the tilt-effect during endurance reactions. Another characteristic of highest tousek quality are the maintenance-free ball bearings, which are impervious to dust.



Roller units LWS

Solid construction, galvanised, with stainless steel sub-plating, ball-bearing supported steel rollers for quiet running



	max. track length	max. load cap./m	max. total weight	max. cycles/day	4m	4,5m	maximum entrance width					8m	9m	a	b	c	d
LWS101	6m	25kg	150kg	20			5m	6m	7m					75	69	3	30
LWS111	8,4m	60kg	410kg	30										84	94	4	30
LWS125	12m	150kg	1130kg	200										105	125	5	30

the shown values are dependent on the choice of rolling gear and fixing length.

tousek Swing X

- Self-locking gear (blocking of gate)
- Lockable emergency release with profile half cylinder
- Adjustable, internal stops
- ARS- Automatic Reversal System
- Integrated rotation speed sensor

The SWING X hides under its elegant design plenty of power and technology. In this swing gate operator only high quality materials are used, such as bronze for the spindle sleeve, aluminum, stainless steel and also galvanized steel. Thus it can move gates weighing up to 500kg and a leaf width of 5m. To avoid the bottom stops, which are mostly annoying and dangerous pitfalls, the SWING X has internal adjustable mechanical stops for the open and closed position fitted as standard. In combination with the control ST 61 the SWING X has all the known TOUSEK features and settings.



The control board ST 61 and ST 51 with display and clear text menus

SWING X



- 1 Photocells
- 2 Key switch
- 3 Swing gate operator
- 4 Electrical control
- 5 Remote control
- 6 Flashing light



selectable in 7 languages

tousek Swing 225 / 265

- Very high thrust (up to 4500N)
- Force control via bypass valves
- Closed hydraulic system, no venting required - MAINTENANCE FREE
- Built-in, covered emergency release
- For lowest temperatures up to -25°C

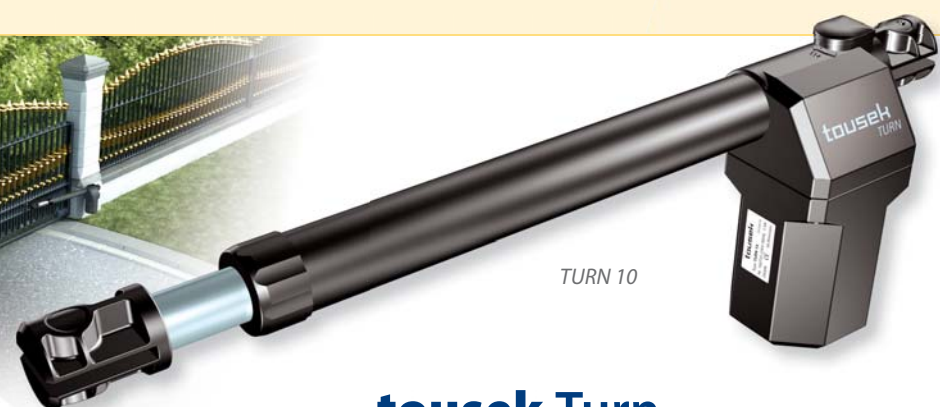
The SWING is the most powerful engine in the Tousek swing gate operator series. The hydraulic drive manages to move gates weighing up to 600kg and with a leaf width of 6m. With its timeless and elegant design the SWING can also be easily integrated later in almost every swing gate quickly and easily. The closed hydraulic system makes the SWING family particularly reliable as it prevents moisture and dust from entering, thus the operator is maintenance-free.



SWING 225



Swing Gate Operators SLIM, SWING, TURN, SWING X



TURN 10

tousek Turn

- Self-locking drive
- Force regulation via the control board
- 230V AC-Motor
- High torque
- Very quiet operation
- Optional hinge for rising gates

The spindle operator is ideal for gate leaves of up to 3m and 350kg weight. Optionally there is a hinge that allows rising gates to move effortlessly. Offering an elegant black design, this drive is perfectly suited for gates in the private sector.



SLIM CLR

tousek Slim

- 12V DC motor
- With adjustable limit switches
- ARS Automatic Reversal System
- Optional with emergency battery
- Mounting parts made of stainless steel
- Stainless steel push rod

With its slim design and its anodized aluminum housing, this operator is perfectly made for automation in the private sector. The swing gate operator moves gates up to 150kg and a leaf width of 2.5m. Optionally there is also a battery pack for emergency operation in case of power failure.

*) initial test under EN 13241-1 by TÜV-Süd taking as basis EN 12453 and EN 12445 for the operator Slim CLR in connection with control board ST 12/4L



- ① Swing gate operator Turn UF
- ② Electrical control
- ③ Flashing light
- ④ Remote control

TURN 310 UF

tousek Turn 310UF

- Integrated, mechanical limit stops for open and closed position
- Optional stainless steel housing
- Emergency release on both sides with socket wrench
- Removal without disassembly the gate possible
- Opening and closing force can be adjusted continuously via control board

Should the gate be opened and closed as if by magic hand? For this the Tousek underground operator can play a major role. The TURN UF moves easily gates up to 400kg and a leaf width of 3m. The mechanical stops are integrated in the operator. This eliminates external floor stops that would interfere with the overall picture.

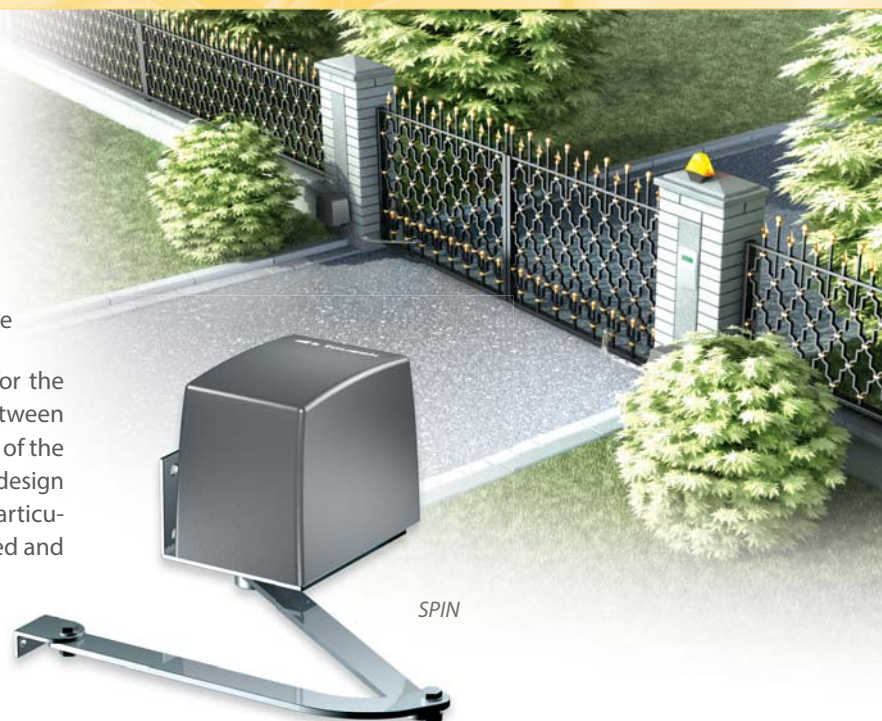


Swing Gate Operators SPIN, TURN UF

tousek SPIN

- Electromechanical articulated arm drive
- Self-locking gear (blocking the gate)
- Integrated limit switches
- Simple emergency release by key
- Opening and closing force continuously adjustable via control board 120° opening angle

Large gate pillars are the preferred area of use for the articulated arm drive Tousek SPIN. The distance between the rotation point of the gate leaf to the rear edge of the pillar can be up to 300mm. The SPIN is thanks to its design very simple and easy to assemble. Also with this articulated arm operator the limit switches are integrated and therefore external stops are omitted.



SPIN

tousek GTZ Digital

- Automatic operation
- For low headroom clearances (35mm)
- Soft start and soft stop
- Automatic reversal
- Self-learning end positions
- Easy programming via 3 buttons and LC-Display
- Incl. self-learning radio receiver

The drive comes with a super-quiet toothed belt. The GTZ Digital is available in the version with 550N or 1100N traction.

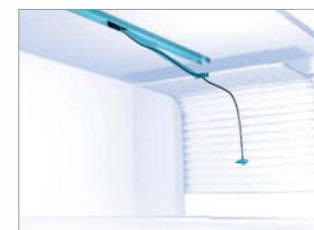
An integrated LED lighting and emergency release in case of power failure are installed by default.



tousek GTZ Digital

NEW

Application possibilities:



Overhead sectional door



All functions are programmable from the outside via three buttons. A display shows the status at all times.



Tilting door with curved door arm



Garage Door Operators GTZ, TT



tousek TT60 und TT120

- Operator for garage doors with spring balance, whether overhead and side sectional or swinging or not swinging overhead doors
- Toroidal transformer
- Stainless steel chain
- Soft stop in both end positions

The TT60 (force up to 600N) and the TT120 (force up to 1200N) are ideal for garages with 5 to 50 parking spaces. Inside the TT operator is a toroidal transformer which enables a very low quiescent current consumption. End positions can be set directly on the drive head by means of spindle limit switches. Due to its self-locking gear it is not necessary to install additional locks.



tousek TT



Vandalism safe gearing with self-closing function for PASS 838V

Thanks to a sophisticated mechanism the barrier automatically protects against forced opening. For maximum security such attempt is also recorded in the cycle storage.



- ① Barrier housing with integrated control
- ② Column with adequate design for coin testers, interphone, etc.
- ③ Photocells
- ④ Induction loop
- ⑤ Barrier boom grid

Rapid and functional

■ Within 1,5 seconds from 0 to 90°, curved design and “invisible” boom admission provide optical elegance. A robust special gear unit allowing up to 2.000 cycles with 100% operation frequency ensures a reliable operation.

And in the event that something happens – a power failure for example – you can easily activate the emergency release device of PASS 838 and manually open the barrier. The housing door is easily lockable by using a common profile half cylinder. Shiny housing standard in attractive colours RAL 3000 red.

Safe with ARS-System

ARS – Automatic Reversing System. If the boom meets an obstacle the motor will stop immediately and reverse automatically. This corresponds to the highest possible safety.

Soft stop

In both movement directions the barrier will stop with reduced speed. With a harmonic boom movement the complete mechanics of barrier is preserved.

For your convenience we deliver PASS 838 optionally

...pre-installed and ready to be put into operation with photocells, key switch, flashing light, etc, integrated or mounted, pre-wired and reviewed ex warehouse.

...in each RAL-colour for the perfect adjustment of ambience or business colours, etc.

Unlimitedly applicable for:

...the protection of properties
...the control of parking areas
...the administration of traffic flows
...intensive use with high-frequency cycles

Recommended accessories:

...Articulated barrier arm bracket
...support fork bracket
...flash light
...column with PASS 838 design for the integration of impulse emitter or interphone, etc.

We make the pre-assembly – you save time!

Barrier PASS 838 elegant and robust

Security accessories:

Induction loop detector

In combination with an induction loop integrated in the roadway applicable as impulse transmitter as well as safety device. E.g. the barrier does not lock as long as a motor vehicle is located in the swivel range of the barrier.



Proximity access control system

In its elegant housing it is a perfect control system for “stand-alone” as well as for the power supply operation. Cards and time can be administered separately with a special software.



Coin tester

Coin tester for companies and institutions, which want to put parking places at their customers disposal at any time – for these or similar cases the Tousek coin tester, integrated in the standard column, is the perfect solution.



Radio transmitters

The well-designed tousek radio transmitter operates with “the rolling code procedure”, where with each activation of the radio transmitter a new radio code is generated and therefore an unauthorized “reading” of the radio signal is not possible.



Radio code lock

Without additional wiring the access is possible to a limited user cycle by transmission of the code.

Technical data:

Designation	PASS 838-V	PASS 838 L3	PASS 838 L4	PASS 838 L6	PASS 882
Barrier arm length	3 m	3 m	4,5 m	6 m	9 m
Opening time	1,5 s	7 s	7 s	7 s	12 s
Duty cycle	100 %	100 %	100 %	100 %	100 %
Cycles	2.000	1.000	1.000	500	500

Key-switch

This is the perfect solution for owners or permanent tenants. Conventional profile half cylinders can be used.



tousek LIFT X - easy and comfortable

- 12V technology
- Motor pillar and counter pillar
- made of powder coated Aluminium
- Easy installation (already premounted)
- 20 cycles/day

The lift X is an inexpensive and simple yet also a very effective option in order to close e.g. driveways, parking lots or private roads. Inside the compact and shapely motor column all components such as control and motor are integrated. This enables a very fast and easy assembly.



Lifting chain barrier
– the useful alternative to barriers



The chain
The chain of the LIFT X is made of nylon which ensures strong stability and durability. The maximum charge of the chain has been developed for cars up to 3.5 tons.



Key ring
The key ring which is mounted at the end of the chain serves as predetermined breaking point in case of exterior pressure (e.g. hit by car). The mechanical parts of the LIFT X are therefore preserved.



Control incl. receiver
The LIFT X can be operated by remote control. With one single push on the transmitter the chain is lowered and the entrance opened. With another impulse the chain of Lift X is lifted and the entrance is closed again.



Counter pillar
The LIFT X is installed easily and fast. Just fasten the end of the chain to a clamp on your house wall. If there is no such possibility then the use of a counter pillar is optionally available.

tousek Bollard VSZ

- Integrated lighting with 12 highly luminous, sequential LED lamps
- Steel with black cataphoretic coating
- Optional cylindrical case made of stainless steel
- Protection class IP 54
- Plug connection between control unit and bollard (Plug & Play)

The VSZ bollard is perfect for e.g. preventing cars entering into a pedestrian zone. Thanks to its high impact resistance and its sleek design it is the perfect solution for any public or commercial spaces as well as for the protection of buildings.



Bollard VSZ



Technical Data:

	NEW		NEW		NEW	
Bollard VSZ	2/500 (electromechanical)	2/800 (electromechanical)	3/500 (electromechanical)	3/800 (electromechanical)	4/500 (hydraulic)	4/500EV (hydraulic)
Duty cycles	1.000 cycl./day	1.000 cycl./day	800 cycl./day	600 cycl./day	750 cycl./day	750 cycl./day
Exit time	4s	7s	4s	7s	5s	5s
Entry time	3s	5s	3s	5s	5s	5s
Breaking resistance	180.000J	180.000J	240.000J	240.000J	180.000J	180.000J

tousek radio system

- Comfort and safety in your hand!

- Each transmitter is unique
- Up to 200m range
- More safety thanks to Rolling Code System
- Self-learning technique – easy and user-friendly
- The transmitter channels can be freely assigned to the channels of the receiver

NEW



Scale 1:1

Radio receiver

tousek provides a rich assortment of different radio receivers. Whether 12V, 24V or 230V, whether in housing or as pluggable board as to whether 1-, 2- or 4-channel, whether with cable or with 11-pin tube connector for DIN rail (TS35), every possible solution is available. By default a plug-in 2-channel board is available with the automation kits.



Rolling Code

with each activation of the radio transmitter a new radio code is emitted. All previous codes are invalid and will not be accepted anymore. Therefore each code is used only once, which avoids a scanning of the radio signal. This makes the tousek Rolling Code so safe.

tousek GSM MODULE 400 / 420 **NEW**

- your mobile phone becomes a transmitter

gate opens, gate closes

– a simple call is enough

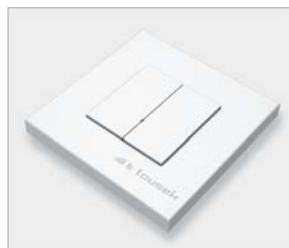
- A simple call is enough (e.g. with shortcut button), no SMS necessary to open gate
- No call charges since there is no phone connection
- Built-in 2 channel receiver suitable for tousek RS868 radio system
- Two entrances, one to which a SMS can be assigned, e.g. for telling the gate position (open, closed)
- Delete and add mobile phone number easily with SMS
- Delete and add transmitters easily with SMS or on the GSM Module



tousek radio system

Radio key code pad Torcody

The key code pad Torcody enables a safe opening of your house entrance or garage door without having to search for your key. The code to be entered consists of an eligible 5 digit button combination and 3 channels/buttons can be assigned with a function. The fourth channel is not coded and can be used for the bell. The power supply comes from a conventional 9V battery, no additional supply is needed.



Wall transmitter

The wall transmitter has a flat and beautiful design. It can easily be mounted on the wall without any complication and is instantly operational. The power supply comes from the provided batteries.



Signal amplifier

With the signal amplifier the range of the radio signal can be widened up to further 200m. It has a receiver and transmitter unit and needs merely a 230V Schuko socket (German three-wire-socket) for power supply, no other wiring is needed.

Scale 1:1

TXR-4 optional for 433MHz or 868 MHz



TXR-4B



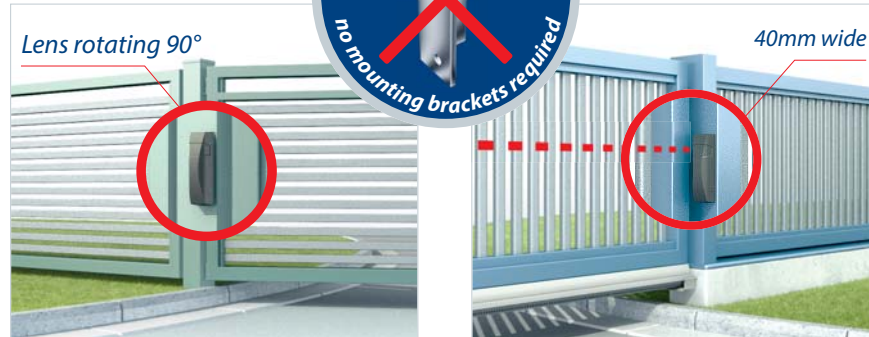
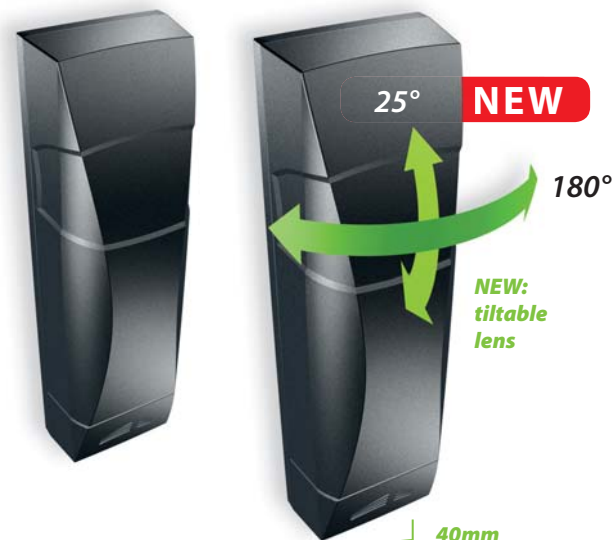
RS 868 4M



NEW

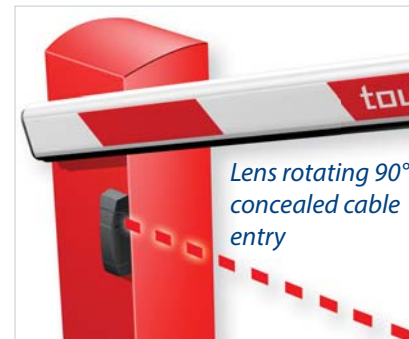
Photocell LS 41

Photocell LS 180



tousek Photocell

Photocells are delivered already ex warehouse with all automation kits as proximity motion detector. High range, easy installation and imperviousness to exterior influences, these are the essential features of Tousek photocells. These can, of course, also be subsequently installed to already existing automatic gates.



Radio transmission system TX 310

- Bi-directional radio system 868.95 MHz and 869.85 MHz
- Automatic frequency adjustment or manual frequency setting ensures high interference immunity
- 1 input for either 8.2 kOhm resistance contact strips or 1 voltage-free contact, for example for pedestrian entry contact or photocell
- For doors up to 10m track
- Integrable into operator housing of PULL T



Safety sensing edges

As efficient protection to squashing, sheering and pulling in, safety sensing edges reflect the status of technology. Deliverable in three different widths (adjusted to the corresponding caster of the gate) and where the length is exactly finished, safety sensing edges are durable and frequently tested. Several aluminium profiles facilitate the installation work on the gate or the column. The corresponding evaluation device permanently monitors the safety sensing edge.



Safety devices



LED Signal lamp

- 2 Power-LEDs
- Durable
- Fail safe
- Prepared for antenna reception
- Optional mounting bracket stainless steel

The LED signal lamp is particularly characterized by its stylish casing and its versatility. It is composed of a plastic base housing in which the LEDs are housed with the power supply and a yellow cap together. There is a mounting on the signal lamp for a 433Mhz or 869Mhz antenna. Optionally there is also a stainless steel mounting bracket which simplifies the installation.

Traffic light control

for combination with suitable operator control for one-way or two-way traffic control. The english language control with plain text menu guidance is programmed via four keys on a large, backlit LCD screen.





Eduard Tousek



tousek[®]
G A T E A U T O M A T I O N

tousek PRODUCTS

- Sliding-gate operators ▲
- Swing-gate operators ▲
- Garage-door operators ▲
- Folding-gate operators ▲
- Barriers ▲
- Parking systems ▲
- Window operators ▲
- Domelight operators ▲
- Door operators ▲
- Electronic controls ▲
- Radio remote controls ▲
- Key switches ▲
- Access control ▲
- Security devices ▲
- Accessories ▲



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