

tousek Pull T

Automatic
Sliding Gate Operators

Dynamic & safe



Sliding gate operators



Cantilever sl. gate sys.



Swing gate operators



Garage door operators



Barrier operators



El. gate control



Impulse emitters



Safety devices



Miscellaneous



tousek[®]
G A T E A U T O M A T I O N

QUALITY PRODUCT
FROM AUSTRIA

tousek Pull T

Operator for all sliding gate systems

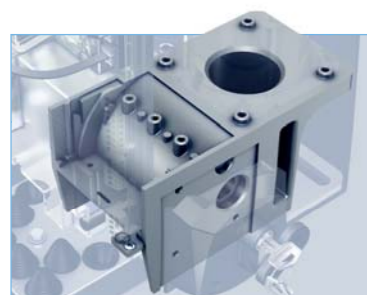


For a dynamic slide with any gate, for private or industrial use, also for subsequent installation.



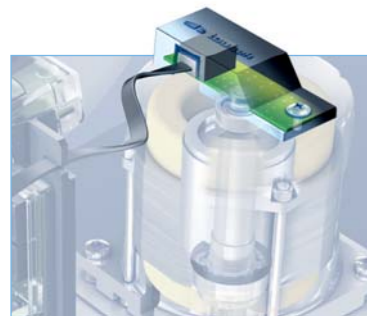
Gearing made of tempered steel

All Pull T Models are equipped serially with a massive metal gearing from tempered steel. 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.



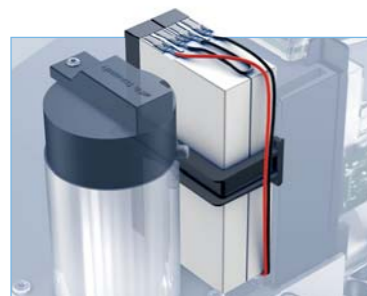
One-piece diecast aluminium housing

Made of high-strength aluminium to be absolutely corrosion resistant. As the housing is a one-piece element, the resistance to bending and to torsion was considerably increased.



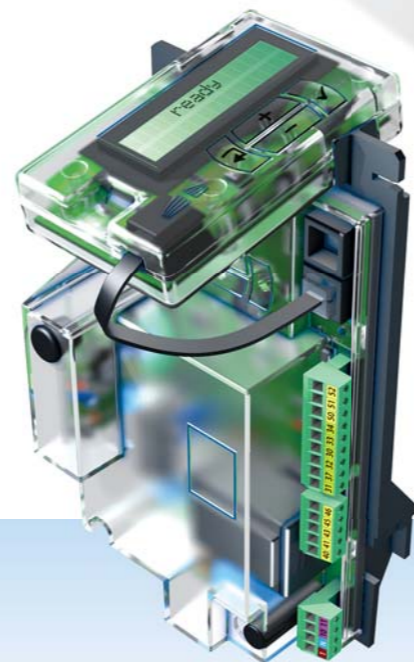
Sensor

Another unique feature is the newly developed speed sensor of the Pull T. It receives an unbelievable 6.200 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.



Control board

Underneath the cover of tousek Pull T you will find the most innovative next generation control unit. Connection terminals, fuses and programming buttons are accessible without having to open the control board housing. The electronic board remains protected from rain or mechanical influences.



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. Mechanical limits (magnets) which can freeze during winter time are not necessary anymore.



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.



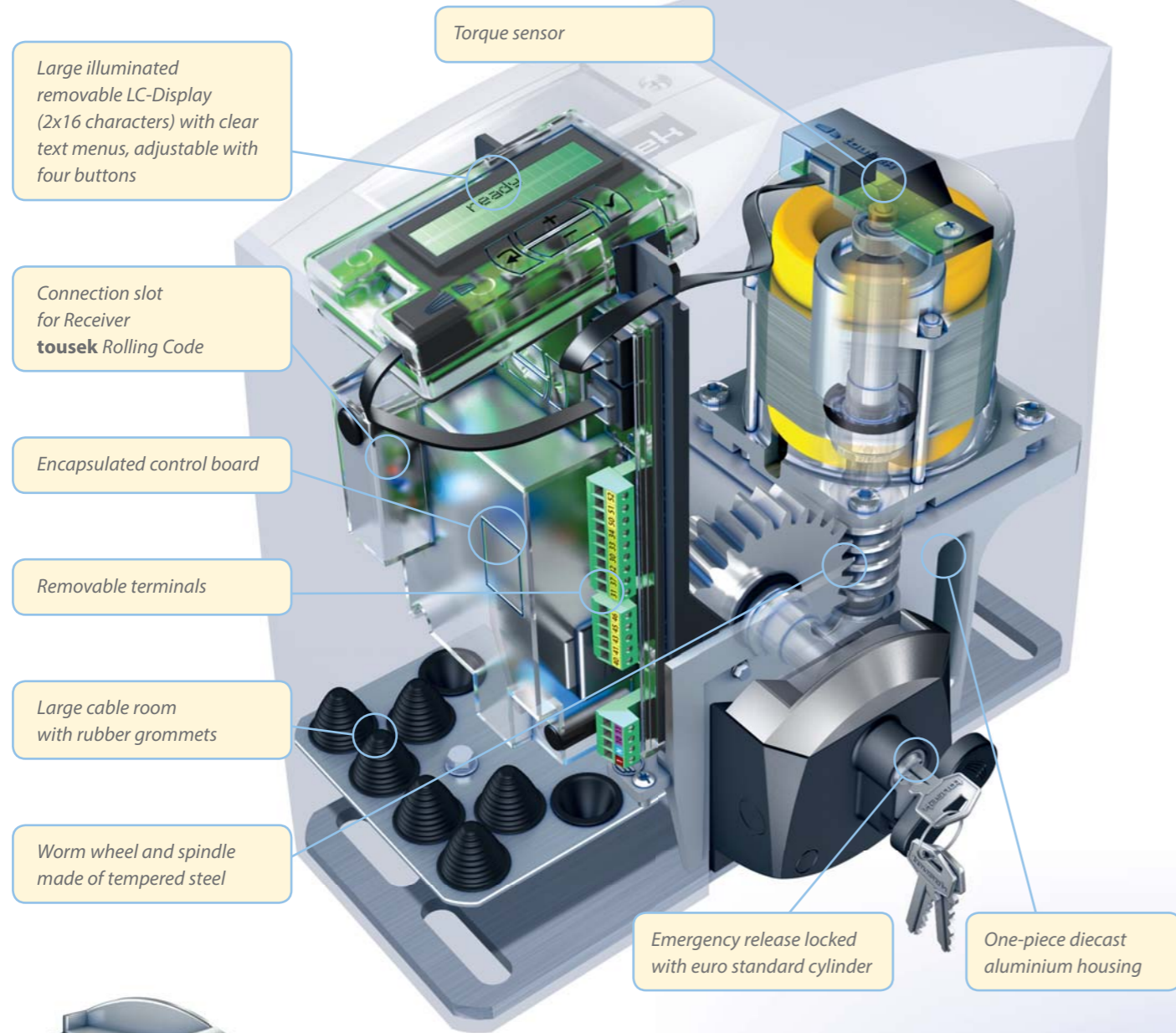
Soft stop

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.



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!

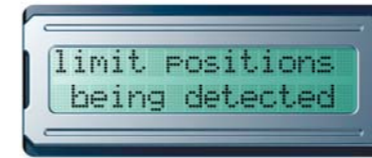


Lockable emergency release

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.

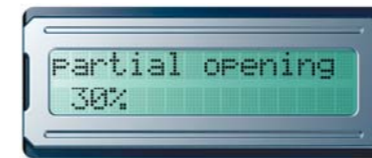
Removable display

The core 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.



Electronic detection of limits

The PULL T operator determines automatically the end positions (limits) of the gate during initial operation. Also the fine adjustment of limits can be determined individually to meet own requirements.



Adjustment of partial opening with PULL T

Not only the classic pedestrian entry with 0,8m opening but also a reduced opening for cars and complete opening for trucks is possible. Of course this is also radio controllable.



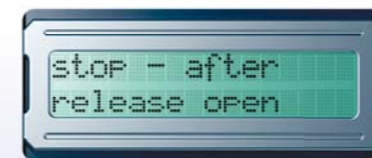
Connection help

The display gives the user a step by step help with basic settings so that valuable time can be saved.



Safety edge

A direct connection of 8,2kOhm safety sensing edges with the PULL T control board is possible, separately for main and side safety edge. The cost intensive additional detection device is not necessary anymore! If one of the safety edges is triggered, this will be shown on the display.



Safety photocells

Even the photocell function can be adjusted individually through the control board.



- Additional programming via PC/Laptop
- Event Viewer of the last 800 cycles (can also be sent via e-mail)
- Saving and uploading of menu parameters
- Software-updates via Internet



Technical Data:

Designation	Pull T5	Pull T8	Pull T10	Pull T15	Pull T24	Pull T24speed
gate weight	500 kg	800 kg	1000 kg	1500 kg	600 kg	400 kg
max. gate travel	30m	30m	30m	30m	30m	30m
duty cycle	20 cycles/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
current consumption	1,3A	1,3A	1,6A	1,6A	1,0A	1,0A
protection class	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
standby mode	1,1W	1,1W	1,1W	1,1W	0,8W	0,8W
tooth gear	Z20 module 4	Z20 module 4	Z16 module 4	Z16 module 4	Z16 module 4	Z20 module 4
Initial test made by TÜV*	500 kg	800 kg	600 kg	600 kg	350 kg	250 kg

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

An active safety sensing edge is not necessary for gate weights up to the given values. A passive rubber safety edge at the main entrance edge is sufficient.

Note:

Please be aware that the gate-security devices shown in this brochure are examples and are not to be considered as guidelines with regard to applicable standards. The standards in effect in each country must be complied without fail during start-up and/or installation.

See the list of specifications for more detailed information.

We reserve the right to change specifications.



GSM Module

With this module you can easily control gates with your mobile phone. No call charges as there is no phone connection. A **tousek** receiver is integrated in the module. The management of remote controls (transmitters) and mobile phones is simply done by SMS. Additionally you can receive an SMS to show you whether your gate is open or closed (status display).

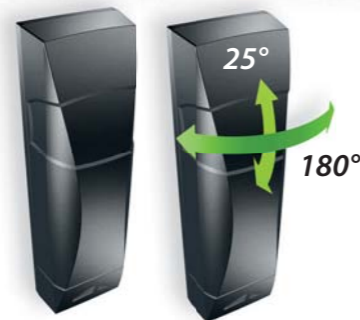


Optional accessories:



Key switch

As addition or replacement to the radio system. Available in a wide range of variations. On-wall or in-wall mounting. Standard euro cylinders can be used.



Photocell

Mounted directly next to the gate this is a good safety solution for contact-free detection of cars and/or as additional safety solution.



TORCODY key pad

No more searching for keys! Thanks to the Torcody you can open your garage door or house door comfortably at the push of a button. Choose your personal 5-digit code and you are ready to go.



Wall transmitter

The wall transmitter has a flat and shapely design. It can easily be mounted on the wall without any complication and is instantly operational.



Transmitter

The shapely **tousek**-transmitter works with "Rolling Code" technology. Each time you push a button on the transmitter it changes the code and enhances the safety. Each code is only used once, therefore the misuse from intruders can be prevented.



Radio receiver

tousek supplies a large selection of different radio receivers. Whether 12V, 24V or 230V, any solution is possible. As standard the operator kits are delivered with a pluggable 2-channel-board.





Eduard Tousek

For many years now,

we have been working on developing gate operators and their accessories at the forefront in the international field. Expertly trained employees and comprehensive service are two of the factors in satisfying customers' wishes.



tousek - the original

The **Original tousek Quality** certificate is your absolute guarantee of the highest quality when you purchase a **tousek** operator.



Reliable and secure

Tousek's leading technical development, including the Rolling Code Radio System, for instance, which generates a new radio code every time the remote control is activated, thus preventing the radio signal from being scanned by unauthorised persons, is your guarantee of greater security, in demand today as part of seamlessly protecting property. The quality of **tousek** products is guaranteed by the most stringent tolerances in manufacture and constant monitoring.

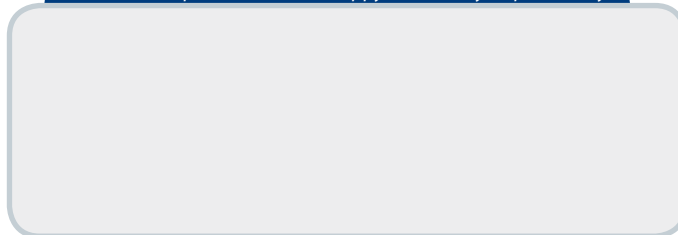
Compatibility

Tousek places great emphasis on keeping all elements of the gate operator, accessory and security programmes compatible as the assortment of products grows.



www.tousek.com

Your **tousek** partners will be happy to advise you personally.



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