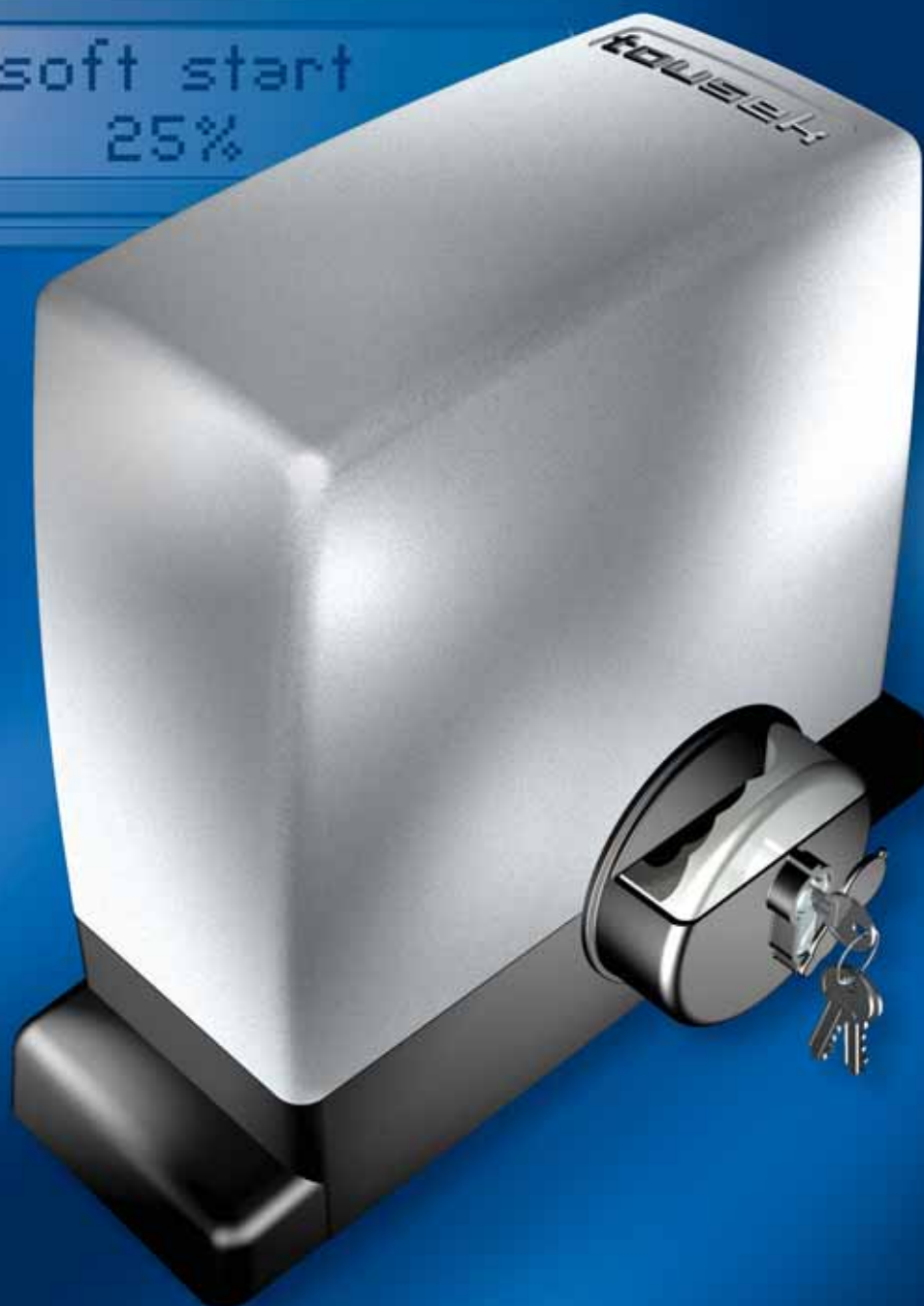


tousek Pull CR24

Automatic
Sliding Gate Operators
gentle & fast

soft start
25%



tousek[®]
AUTOMATIC GATE OPERATORS



*Sliding gate
operators*



*Cantilever sl.
gate sys.*



*Swing gate
operators*



*Garage door
operators*



*Barrier
operators*



El. gate control



*Impulse
emitters*



*Safety
devices*



Miscellaneous

tousek *Pull CR 24* – gentle and fast



Operator for all sliding gate systems

for both private and commercial use; suitable for subsequent installation

Pull CR24

Apart from its longevity and rapid assembly, special attention was given to a high degree of security during operation when we designed the Pull CR 24 sliding gate operator. A special control system was developed. This automatically regulates the power requirements, which differ over the entire functional area. Thus, the motor provides only as much power as is actually needed.

Limitswitchless technology

The Pull CR 24 unit is equipped with an automatic device which "senses" the end position. Thus there is no need for regular mechanical end switches (which can freeze up in winter).

Safe with the ARS system

ARS stands for Automatic Reversing System. Should the gate meet an impediment, the operator stops at once and slides back automatically – the highest degree of safety.

Soft start and stop

The operator starts up slowly in both directions, also stopping at a reduced speed, not only making the door's movements gentle but also sparing the entire mechanism of the door and the operator.



protective caps

The elegantly styled coverings discreetly conceal the mounting bracket.



one-piece die-cast aluminium casing

The entire gear assembly runs permanently in an oil bath, well protected together with the 24-volt motor and installed in a robust casing. Tempered toothed gear-wheels and fully synthetic oil ensure long-term, maintenance-free operation.



lockable emergency release

The operator bolts the door reliably. The emergency release unit – very important during times of electricity outage – is locked with a normal profile half-cylinder. It can be exchanged and thus be integrated into an existing house-key system. The cylinder and three keys are included as standard equipment.



automatic illumination

This function allows you to hook up your own on-site illumination for the building's driveway. As soon as the actuator starts up, the function activates and switches off again automatically after an adjustable time of up to 15 minutes.



powerful motor – rapid door motion

There are no unnecessary vibrations, thanks to the way the steel spindle and the rotor are made of a single piece; therefore, operation is very quiet. Other special features include high start-up torque, very little heat release and the resultant high degree of effectiveness.



economical

The Pull CR24 helps to save valuable time and energy. The intelligent control switches off all consumers not required in standby mode; thus, power consumption is extremely low – only 1.1 watts.

Innovative technology – encapsulated microprocessor control

The youngest generation of the most innovative type of control unit is located under the covering bonnet of the Pull CR 24. Connecting clamps, securing units and programming keys are accessible without having to open the control casing. Thus, the electronic board remains protected from rain and mechanical interferences during start-up.



Easier connection thanks to removable plug-in terminal strips



programmable control

Programming an operator control has never been so convenient and certain. Four keys, a large, illuminated LC display and a clear-text menu guide control the very user-friendly and time-saving programming of all functions.



electronic limit-position identification

The Pull CR 24 operator automatically identifies the gate's end-position in the course of start-up and stores it independently.



Soft start-up and stopping

can be programmed separately and specially for opening and closing motion. 1% increments between 25% and 100% of the actual operating speed are possible. The gate travel does not change with any adjustment.



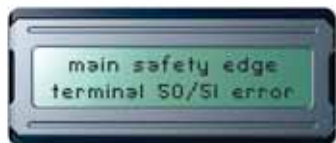
fully adjustable partial opening

This feature not only provides the classic doorway function of 0.8 m but also a reduced opening for automobiles and full opening for trucks in factory entranceways, for example. Naturally, both are independently adjustable via remote control.



connection assistance

The display provides information in the course of start-up on the correct connection and/or any eventual errors, thus saving time.



safety sensing edges

8.2 kOhm contact banks, separated for main and adjacent closing edges can be directly connected to the Pull CR 24 control, thus eliminating the need for a cost-intensive switching unit. The display shows if a safety edge has been triggered.



security photocells

Even the photocell function can be defined freely in the control to suit individual requirements.



Example of usage



Technical data:

Optional accessory (accessories):

Designation	PULL CR 24
max. gate weight	ca. 500kg (ca. 350kg)
max. gate travel	30m
operating sector	100%
travel speed	13m/min (ca. 16m/min)
torque	20Nm
mains voltage	230V +/-10%
motor voltage	24V DC
current consumption	1,2A
protection class	IP 44
standby mode	1,1W
tooth gear	Z16 module 4

Bracket specifications are for tooth gear Z20

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.

- Encapsulated control
- Large, illuminated LC display (2x16 symbols)
- Clear-text menu mode, operable with four keys
- Removable connection clamps
- Simple fuse changing
- Insertable 1 or 2-channel radio receiver
- No limit switch necessary, since the end position is "sensed" electronically
- Electronic power measurement and automatically inputtable power curve
- ARS – Automatic Reversing System
- Direct connection of 8.2 kOhm safety edges, separated for the main and ancillary closing edge
- Status display for safety and sensor inputs
- Self-monitoring of the photocells
- Adjustable soft start and soft stop
- Selectable operating function (impulse, automatic, dead man)
- Freely adjustable partial opening for pedestrians or car/truck function
- Partial opening also operable via remote control
- Direct connection for outside illumination, adjustable from 1 sec. – 15 min. (max. 100 W)
- Pre-alert time separately adjustable for Open and Close
- Control-light output for displaying the door position
- Single-piece die-cast aluminium casing
- Gear unit running in an oil bath
- Worm gear and spindle of tempered steel
- Emergency release easily operable even under load
- Emergency unbolting secured with regular PHZ
- Elegantly styled covering caps for the mounting bracket



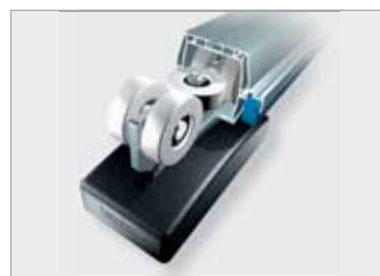
• metal toothed gear rack for screwing or welding • synthetic toothed gear rack for screwing



• foundation plate for cementing • assembly plate for screwing



• radio receiver, insertable 1 or 2 channels, 433 or 868 MHz



• aluminium cantilevered systems



• steel cantilevered systems



tousek[®]
AUTOMATIC GATE OPERATORS



Eduard Tousek

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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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

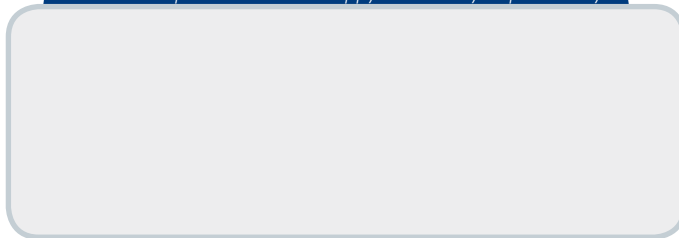
Tousek places great emphasis on keeping all elements of the gate operator, accessory and security programmes compatible as the assortment of products grows.



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Your tousek partners will be happy to advise you personally.



tousek swing gate operators
rational and strong



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