TB-HAB CT600/K4

CRASH TESTED

HYDRAULIC ARM BARRIER

MAKİNE OTOMASYON ELEKTRİK ELEKTRONİK SANAYİ VE TİCARET LTD. ŞTİ.

OSTİM OSB. 1200 St. No: 23 Yenimahalle / ANKARA
Tel: +90 312 394 44 56
Fax: +90 312 394 44 58

info@teknoplusmakina.com.tr

www.teknoplusmakina.com.tr

GENERAL INFORMATION

TB-HAB CT600/K4 hydraulic arm barriers are widely used ideal solutions in order to provide security access or traffic control in extremely busy areas. These barrier systems have a variety of usage areas such as car parks, airports, government offices, military zones, industrial areas, business centers and many places that requires vehicle access control. TB-HAB CT600 K4 hydraulic arm barriers have proven their high impact resistance by awarding them with the K4 DOS SD-STD-02.01 standards according to the results of the crash tests.

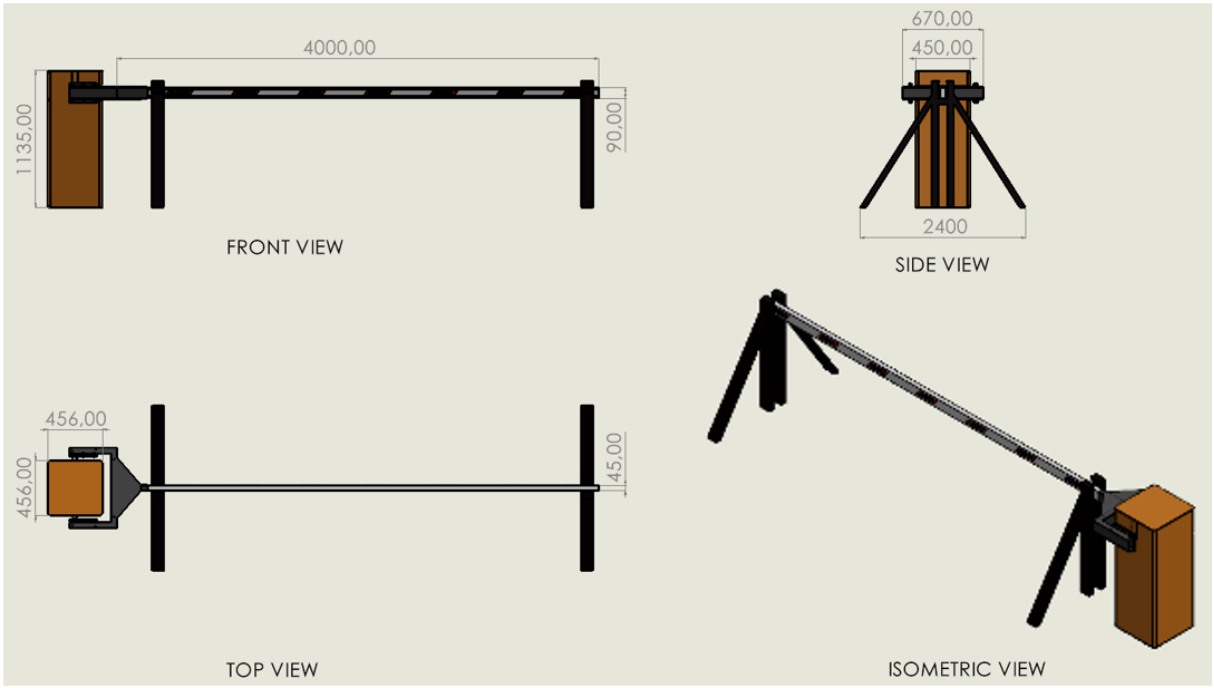
TB-HAB arm barriers are designed to fulfill the latest requirements of industry and suitable for high flow traffics, intensive usage and harsh environmental conditions. Thanks to their strong mechanism and hydraulic piston, barriers can handle being in use continuously. Although the drive unit is hydraulic, in case of a power failure, it is possible for barrier system to be lifted and lowered manually.

Hydraulic Arm barriers can be integrated with other kinds of security access systems like tyre killers, road bollards, different kinds of barriers etc.

MAIN CHARACTERISTICS

- High impact resistance meeting DOS SD-STD-02.01 certification of K4 level,
- Reinforced arm support legs at both ends that increase durability
- 6.00 meters of maximum arm length,
- Thanks to its mechanical design, arm can be mounted in reverse direction,
- Easy to install, low maintenance cost,
- During a power failure, the arm automatically rises and stays in the open position,
- The system can handle more than 15000+ movements per day,
- Aesthetic and elegant design,
- Can be integrated with other access control systems.

DIMENSIONS



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PHYSICAL CHARACTERISTICS

CASE DIMENSIONS	456 mm x 456 mm x 1135 mm (W x L x H)
BARRIER ARM	45x90 mm Aluminum Profile, 6000 mm (standard), warning reflective strips on white color (RAL 9016), LED lighting (optional)
SUPPORT LEG	50 m x 100 mm 5 mm thick steel box profile
MECHANISM	Drive unit consists of electric motor, reducer (gearbox), mounting parts and there is a spring mechanism which helps rising-lowering movement of the arm.
BARRIER CASE	Manufacture of 2 mm thickness of electrostatic painted DKP steel sheet plate barrier case, 304 grade stainless steel is optional, motor and gearbox holder is 10 mm electrostatic coated steel sheet, 10 mm galvanized slotted external mounting steel plate for robust and easy installation
TOP COVER	5 mm thickness of electrostatic painted DKP steel sheet plate (standard), 30 mm cast aluminum with LED stripe to enhance visibility (optional)
MECHANICAL ELEMENTS	Stainless steel, aluminum, galvanized coating, plastic materials are preferred for the mechanical elements of mechanism according to requirements

OPERATIONAL CHARACTERISTICS

OPERATION	Hydraulic
POWER (MOTOR)	220 VAC, 50-60 Hz, 1 Phase, 0,75 kW
OPERATION PRESSURE	Minimum 50 Bar / Maximum 80 Bar
RISING/LOWERING TIME	4-6 seconds
HYDRAULIC OIL	Number 37 - 46 Hydraulic oil
OPERATION FREQUENCY	10.000 + continuous movements with %100 duty cycle
SPEED/MOVEMENT CONTROL	Smooth operation with PLC inverter panel
POSITION CONTROL	Inductive limit switches (weather proof) with physical position adjustment for up and down positions
MANUAL OPERATION	Up / down movement with manual hand pump

RESISTANCE CHARACTERISTICS

ENVIRONMENTAL CONDITIONS	-25 °C / +70 °C, %100 RH or less humidity (without condensation)
PROTECTION CLASS	IP 65
IMPACT RESISTANCE	K4 (DOS SD-STD-02.01)

EQUIPMENT AND ACCESSORIES

OPTIONAL ACCESSORIES	Button control, Loop Detector, Safety photocell, Traffic light, Led Top Cover, RF Receiver, RF Transmitter, RF Antenna

CERTIFICATIONS AND WARRANTY

CERTIFICATIONS	ISO 9001:2015, ISO 14001:2015, OHSAS 18001, CE, TSE
WARRANTY	2 years

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