

# TURNSTILE LK - 413

## Applications:

Turnstile LK-413 is designed for service in access control systems in places where it is required to block an access for unauthorized people such as: factories, swimming pools, stadiums, sports halls, ski lifts, or office buildings. Its in-built passage supporting driver and the system of smooth braking increase its capacity. It is hence especially recommended in high volume traffic situations. It is also equipped in an automatic braking system of the coefficient MTBF equaling 4 million cycles. Thus it can be used in high traffic / volume environments, where it is necessary to keep all preservation works to minimum. The impulse which releases the blocking arm may be given by the short circuiting switch, external access control reader or photo-barrier. The turnstile can also be set to be left open for a set number of passages.



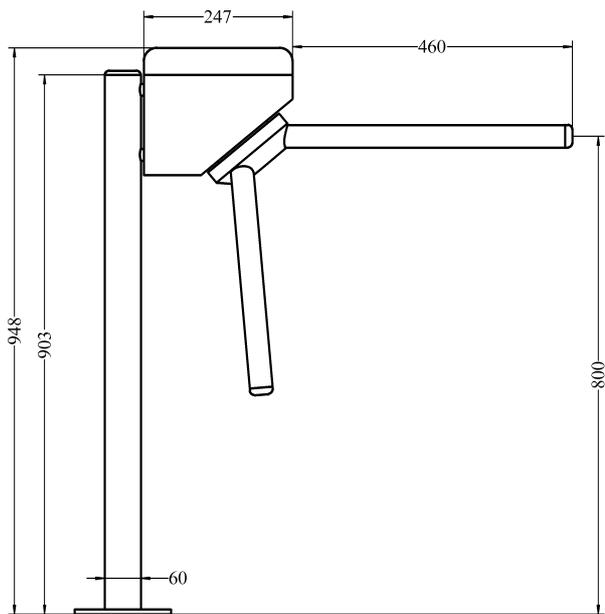
## Product features:

- all inner steel elements are galvanized, cabinet outer shells and cover made of acid-resistant stainless steel, all supports and arms are made of stainless steel in a polished finish,
- two-way mechanism enables to use one turnstile both for entering and leaving with a possibility to block backward movement (in prohibited direction), turnstiles can thus be available in clockwise, counter-clockwise or bi-directional passage,
- in case of power failure or fire alarm arms may be turned freely in both directions without a necessity of additional declutching,
- special muffling elements increase the mechanism's durability and guarantee silent operation,
- in-built clutches regulate the support power of arms, protect the device from failure and the pedestrians from possible injuries,
- microprocessing driver which can be easily configured facilitates turnstile's cooperation with various access control systems, and photo-barriers. It can be also controlled with manual switches,
- interfacing to computer attendance systems,
- interior and exterior application, also in areas with frequent heavy snowfall and rainfall,
- optionally, LED display showing turnstile's current condition,
- external tripod controllers may be fixed to support's top,
- access to the inside of the cabinet is secured with locks to prevent unauthorized interference

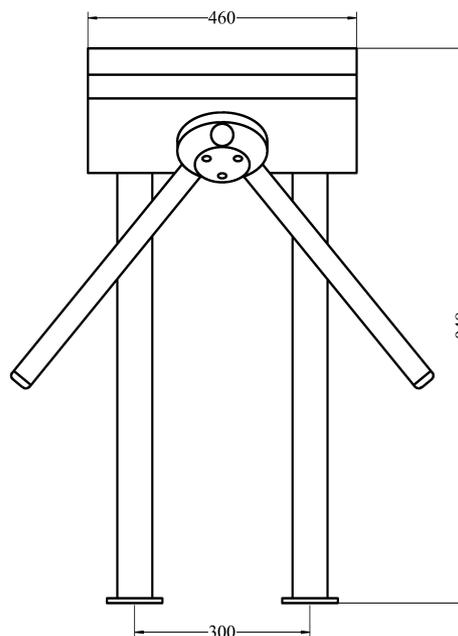
## Basic technical data :

Cabinet size: Length x Width x Height (arm)	460 x 250 x 950mm (465mm)
Weight	46 kg
Powered by security transformer	230/24V AC
Practical / maximum capacity	900 persons an hour / 35 persons a minute
Arm turns by 120° in	1s
Recommended entrance width	500 mm
Release impuls standard	dry contacts or voltage impulse
	12 or 24V / 0,05s to 1s
Completed passage confirming impulse	0.2s dry contacts
Outputs for exterior lamps	2 x 10W/24VA
and acoustic signalling device	1 x 12VDC/0.2A
Power consumption	average: 40VA, maximum 70VA, 13VA stand-by
Temperature / humidity range	-30°C to + 40°C/any
Operating	also in areas with frequent rainfall or snowfall one or two readers, transponders, photobarriers

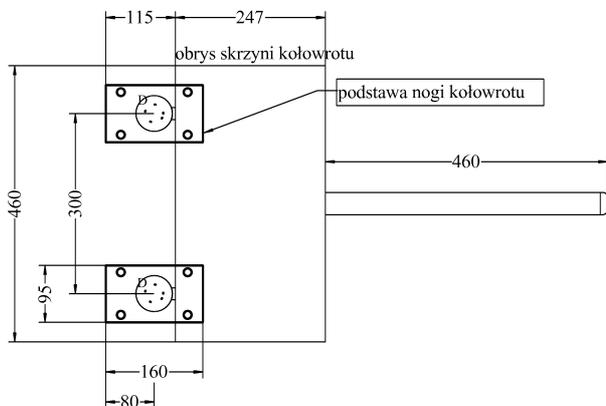
## Technical drawings:



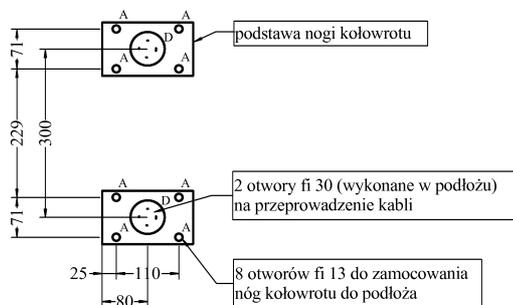
LK413 - widok od strony przejścia



LK413 - widok z boku



LK413 - rzut pionowy



LK413 - owiert podłoża

A - 8 otw. fi 13 (na śruby mocujące podstawę do podłoża).  
W podłożu wywiercić otwory fi 14 pod kąt (zalecane są kotwy chemoutwardzalne).

D - 2 otw. fi 30 wykonane w podłożu na przeprowadzenie kabli zasilających i logicznych do kołowrotu.  
Otwory muszą się znajdować w osi nóg kołowrotu i należy z nich wyprowadzić rurę PCV do wysokości 40 cm.