

SKI TURNSTILE NK - 413



Applications:

Turnstile LK-413 is designed for service in ski lift access control systems. Supporting column's regulation enables to fit barring arm level to snow amount. Due to durable construction it can be used also in access control to stadiums, built sites and mass events in open field.

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 release impulse may be given by the short circuiting switch, external access control reader or photo-barrier.



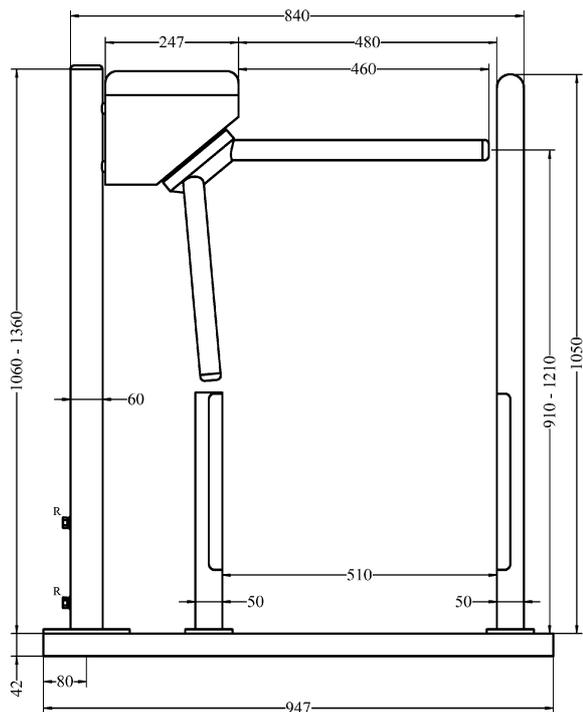
Product features:

- all inner steel elements are galvanized, cabinet outer shells and cover made of 304 grade 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 shock absorbing 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 users 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 – not recommended in ski lifts appl,
- external tripod controllers may be fixed preferably to support's top, or cover,
- access to the inside of the cabinet is secured with locks to prevent unauthorized interference.

Basic technical data:

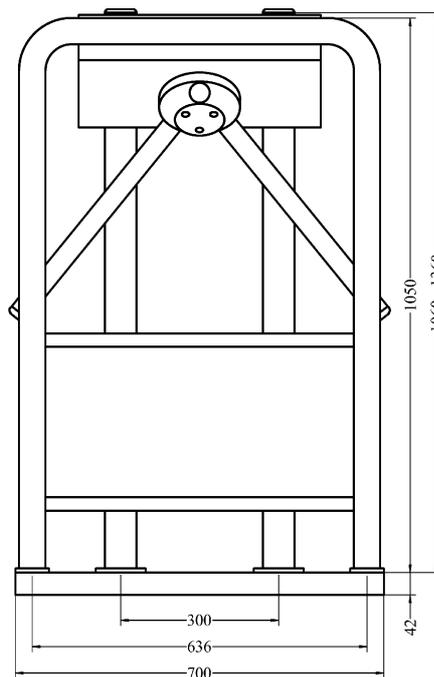
Base dimension: L x W, H (arm length)	700 x 950, 1100mm (465mm)
Arm level regulation range	910 to 1210mm
Weight	80 kg
Practical / maximum capacity	700 persons an hour / 35 persons a minute
Arm turns by 120° in	1s
Recommended entrance width	500mm
Release impulse standard	dry contacts or voltage impulse 12 or 24V / 0,05s to 1 s
Completed passage confirming impulse	0.2s dry contacts
Outputs for exterior lamps and acoustic signalling device	2 x 10W/24VAC 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:

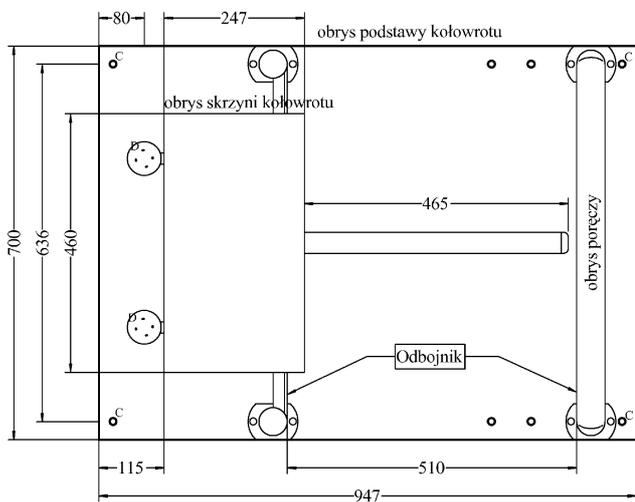


NK413 - widok od strony przejścia

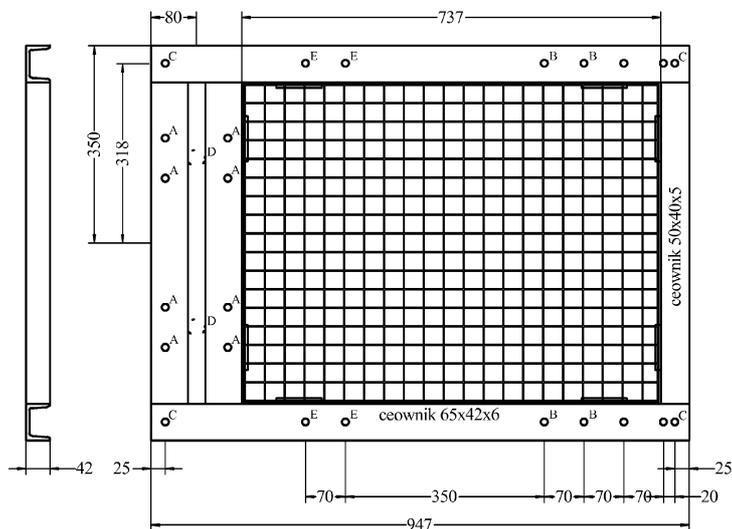
R - śruby regulujące wysokość kołowrotu (w zakresie od 1060 do 1360 mm).



NK413 - widok z boku



NK413 - rzut pionowy (warstwowy)



NK413 - rzut podstawy

- A - 8 otworów $\phi 12$ do zamocowania nóg kołowrotu
- B - 4 otwory $\phi 12$ do zamocowania poręczy
- C - 4 otwory $\phi 12$ do zamocowania podstawy do podłoża
- D - miejsca wyjść kabli zasilających i sterowniczych z podłoża
- E - 4 otwory $\phi 12$ do zamocowania odbojnika