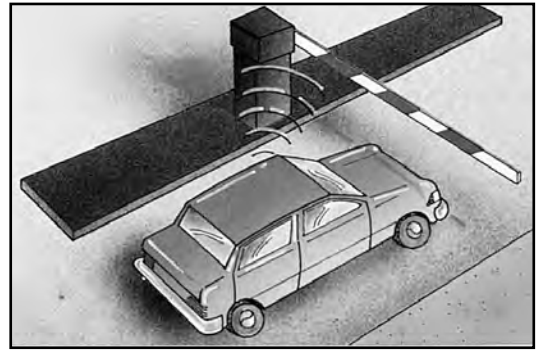


12000

BARRAMATIC

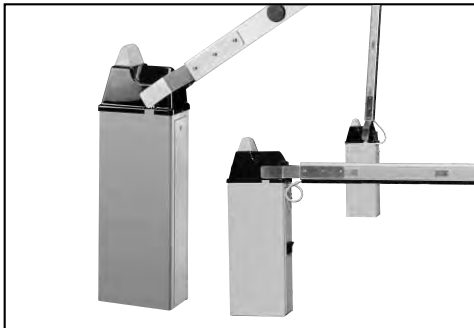


• BARRIERE AUTOMATICHE RAPIDE ED INDUSTRIALI - SBARRAMENTI MOTORIZZATI INTERRATI - 12V. - 24V. - 230V. - TRIFASI 220/380

• AUTOMATIC FAST AND INDUSTRIAL BARRIERS - ELECTRICAL UNDERGROUND RISING STEP BARRIERS - 12V. - 24V. - 230V. - 220/380V. THREE-PHASE

• BARRIERES AUTOMATIQUES RAPIDES ET INDUSTRIELLES - BARRAGES MOTORISES ENTERRÉS - 12V - 24V - 230V - TRIPHASÉS 220/380

• BARRERAS AUTOMÁTICAS RÁPIDAS E INDUSTRIALES - OBSTÁCULOS MOTORIZADOS ENTERRADOS - 12V. - 24V. - 230V. - TRIFÁSICA 220/380



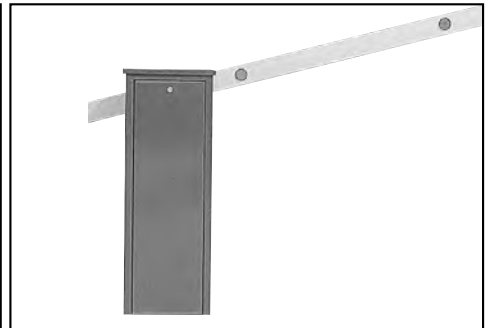
12005/12011 - B3000/4500 BARRARAPID 12V.

- Sbarre stradali rapide (rif. 12005 - asta da mm.3000 - potenza 60W/2,5A - tempo di apertura 2,2" - N°250 manovre per ora) - (rif. 12011 - asta da mm. 4500 - potenza 60W/2,5A - tempo di apertura 8,5" - N°100 manovre per ora)
- Fast road barriers (ref. 12005 - 3,000 mm arm) - 60W/2,5A power - 2.2 sec. opening time - 250 movements per hour - (ref. 12011) - 4,500 mm arm - 8.5 sec. opening time - 100 manoeuvres per hour
- Barrières (réf. 12005 - tige de mm 3000 - puissance 60W/2,5A - temps d'ouverture 2,2" - N°250 manoeuvres à l'heure) - (réf. 12011 - lisse de mm 4500 - puissance 60W/2,5A - temps d'ouverture 8,5" - N°100 manoeuvres à l'heure)
- Barrera de carretera rápida (ref. 12005 - brazo de 3000 mm. - potencia 60W/2,5 A - tiempo de apertura 2,2" - 250 maniobras/hora) - (ref. 12011 - brazo de 4500 mm. - potencia 60 W/2,5 A - tiempo de apertura 8,5" - 100 maniobras/hora)



12019 - BS650/24V. BARRARAPID 24V.

- Sbarra stradale rapida con asta da mm. 6500 - motore in c.c. - 24V. - regolazione di velocità e rallentamento - dispositivo di sicurezza amperometrico - 230V./50Hz - pot. W190/A12 Nm 290 - tempo di apertura regolabile da 4 a 9"
- Fast road barrier with a 6,500 mm arm - 24V CC electrical motor - adjustable speed and slowing down - amperometric safety system - 230V/50Hz power supply - 190W/12A power - adjustable opening time (4 - 9 sec.)
- Barrière rapide avec lisse de mm 6500 - moteur en cc - 24V - réglage de vitesse et ralentissement - dispositif de sécurité ampèremétrique - 230V/50Hz - puis. W190/A12 Nm 290 - temps d'ouverture réglable de 4 à 9"
- Barrera rápida con brazo de 6500 mm. con motor en cc. 24V, regulación de velocidad y desaceleración - dispositivo de seguridad amperimétrica - 230 V/50 Hz - potencia 190 W/12 A - 290 Nm. - tiempo de apertura regulable de 4 a 9"



12035 - B60/230V. BARRASTANDARD 230V.

- Sbarra stradale con asta mm. 6000 - alimentazione 230V./50Hz - potenza W300/1,4A - tempo di apertura 15" - frizione elettrica in centrale - N°100 manovre per ora
- Road barrier with a 6,000 mm arm - 230V/50Hz power supply - 300W/1.4A power - 15 sec. opening time - in-box electric clutch - 100 movements per hour
- Barrière avec lisse mm 6000 - alimentation 230V/50Hz - puissance W300/1,4A - temps d'ouverture 15" - embrayage électrique dans le programmeur - N°100 manoeuvres à l'heure
- Barrera de carretera con brazo de 6000 mm. - alimentación 230 V/ 50 Hz - potencia 300 W/1,4 A - tiempo de apertura 15" - embrague eléctrico en el programador - 100 maniobras/hora



12038 - Bi 8000 BARRINDUSTRIAL TRI220/380

- Barriera industriale con aste fino a max mm. 10.000 - alimentazione trifase 220/380V./50 Hz - potenza W370/1,3A - tempo di manovra 17 sec.
- Industrial arm barrier for max. 10,000 mm arms - 220V-380V/50Hz three-phase power supply - 370W/1.3A power - 17 sec. opening time
- Barrière industrielle avec lisse jusqu'à max mm 10.000 - alimentation triphasée 220/380V/50Hz - puissance W370/1,3A - temps de manoeuvre 17 s.
- Barrera industrial con brazo para un máximo de 10.000 mm. - alimentación trifásica 220/380 V. - 50Hz - potencia 370 W/1,3 A - tiempo de maniobra 17 segundos.



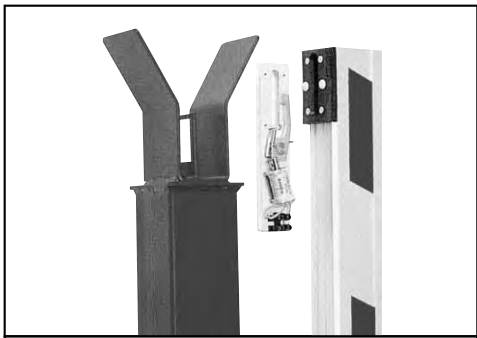
12040/42 - PPM

- Piede pendulo mobile per asta BS 650
- Hanging end - movable support for BS 650
- Pied pendant mobile pour lisse BS 650
- Pie de péndulo móvil para brazo BS 650



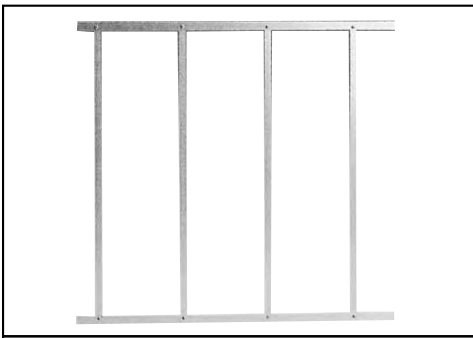
12050/54 - PF

- Piede d'appoggio fisso a forcella
- Fixed fork support - rest for arm
- Pied d'appui fixe à fourche
- Pie de apoyo fijo a horquilla



12058 - PF/BLOCK-BS6500

- Piede d'appoggio fisso a forcella con elettroserratura per BS 6500 - richiedere la barriera e l'asta predisposte per elettroserratura
- Fixed fork support with electric lock for BS 6500 - specify electric lock barrier and arm with order
- Pied d'appui à fourche avec électroserrure pour BS 6500 - demander la barrière et la lisse prévues pour l'électroserrure
- Pie de apoyo fijo a horquilla con cerradura eléctrica para BS 6500 - Solicitar la barrera y el brazo previstos para la cerradura eléctrica



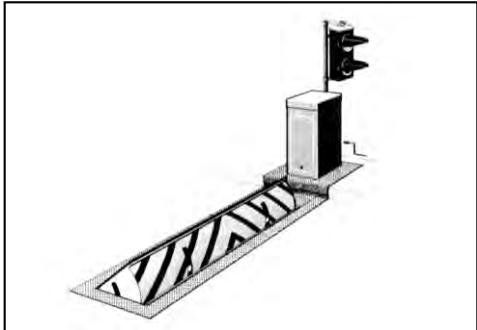
12060 - RAST

- Rastrelliera in alluminio L = 2000 mm.
- Aluminum skirt - length = 2,000 mm
- Râtelier en aluminium L = 2000 mm.
- Rastrillo de aluminio L = 2000 mm



12081 - AST/ART PER BS650

- Asta snodata da 5000 mm. max per BS 650
- 5,000 mm articulated arm for BS 650
- Lisse articulée de 5000 mm max pour BS 650
- Brazo articulado de 5000 mm. máx. para BS 650



12120/22/24/26/28 - RSB 71 - RSB 73

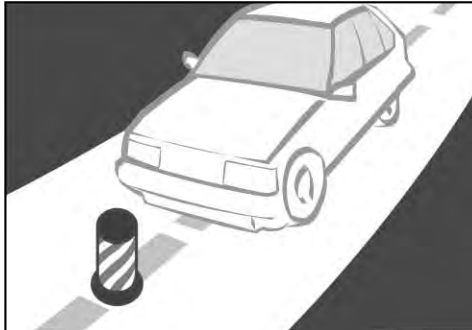
- Sbarramento motorizzato interrato - ostacolo rotante a scomparsa
- Rising step barrier
- Barrage motorisé enterré - obstacle roulant à dissimulation
- Barrera motorizada enterrada - obstáculo de la barrera con desaparición

12120 - RSB-71 L. 2100 mm x H 350 mm
 12122 - RSB-71 L. 2900 mm x H 350 mm
 12124 - RSB-71 L. 3500 mm x H 350 mm
 12126 - RSB-73 L. 3000 mm x H 650 mm
 12128 - RSB-73 L. 4000 mm x H 650 mm



12120/22/24/26/28 - RSB

- Vista di una installazione RSB - il sistema garantisce un efficace controllo accessi ove sia richiesto un controllo di sicurezza
- An RSB installation - this system provides a strongly effective access and security control where required
- Vue d'une installation RSB - le système garantit un contrôle efficace des accès où un contrôle de sécurité est nécessaire
- Vista de la instalación RSB - el sistema garantiza una vigilancia eficaz de los accesos donde sea necesario un control de seguridad



DAKOTA AUTOSTOP

- Colonna motorizzata saliscendi
- Automated rising post
- Borne automatique rétractable en sol
- Pivote automático motorizado sube/baja



12300 - DAKOTA AUTOSTOP-N-V/11" COL R/B

- Tempo corsa stelo 11" - colore rosso/bianco
- Actuator rod stroke time 11" - color white/red
- Temps course de la tige 11" - couleur rouge/blanc
- Tiempo de carrera de la cinta 11" - color rojo/blanco

BARRAMATIC



**BARRIERA
AUTOMATICA**
B2500 • B4000

AUTOMATIC BARRIER - BARRIERE AUTOMATIQUE

Barriera elettromeccanica con motore elettrico 12 V cc. per aste fino a 4 mt. adatta a luoghi dove è richiesta una breve sosta d'attesa ed un uso intensivo. In particolare per gli ingressi di parcheggi, caselli autostradali, dove necessita un'apertura velocissima, è stata realizzata la B2500 per aste di 2,5 mt. max. Le B4000 e B2500 si compongono di un robusto armadietto in lamiera verniciata, dove sono alloggiati motoriduttore e quadro elettrico di comando, e di un'asta in alluminio opportunamente creata per ospitare la costa pneumatica di sicurezza.

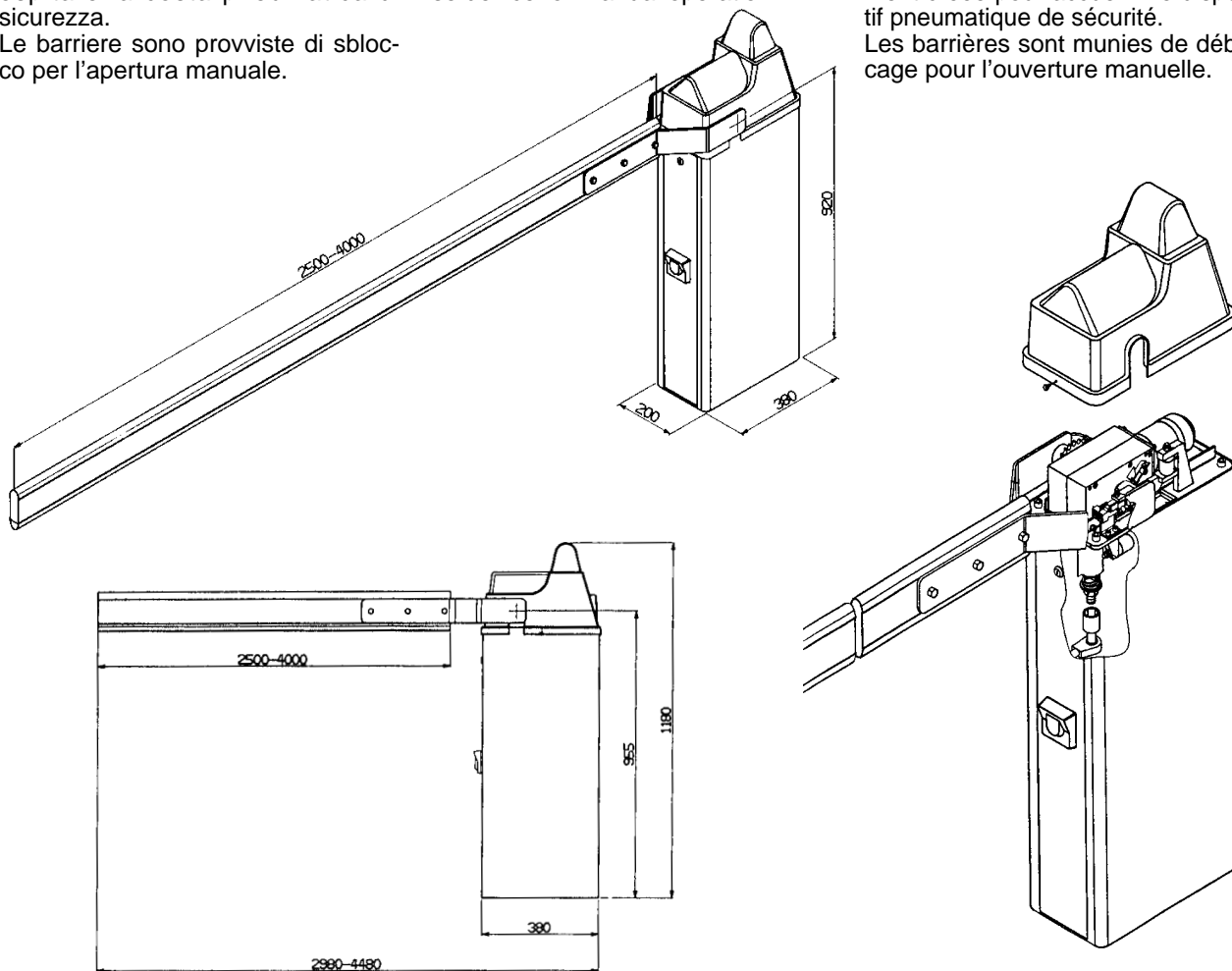
Le barriere sono provviste di sblocco per l'apertura manuale.

Electromechanical barrier with 12 V cc. electric motor for bars up to 4 m suitable for short waits and intensive use. The B2500 for bars up to 2.5 m has been designed in particular for car park entrances and motorway pay tolls where very rapid opening is required. The B4000 and B2500 consist of a sturdy painted sheet metal cabinet housing the gearmotor and electric control panel, and an aluminium bar with pneumatic safety feature.

The barriers are provided with release device for manual operation.

Barrière électro-mécanique avec moteur électrique 12 V cc. pour barres mesurant jusqu'à 4 m de long, adaptée aux endroits où l'arrêt d'attente doit être bref et où le passage est intensif. En particulier pour les entrées de parking et les péages d'autoroute où l'ouverture doit être très rapide, en a réalisé la B2500 pour barres de 2,5 m max. Les versions B4000 et B2500 se composent d'une solide armoire en tôle laquée contenant le motoréducteur et le tableau électrique de commande et d'une barre en aluminium opportunément créée pour accueillir le dispositif pneumatique de sécurité.

Les barrières sont munies de déblocage pour l'ouverture manuelle.



Caratteristiche Tecniche - Technical Specifications - Caractéristiques Techniques	B2500	B4000
Lunghezza - Length - Longueur	2,5 m.	4 mt.
Tensione di alimentazione - Power supply voltage - Tension d'alimentation	12 V	12 V
Potenza assorbita - Power absorbed - Puissance absorbée	60 W	60 W
Corrente assorbita - Current absorbed - Courant absorbé	2,5 A	2,5 A
Velocità motore elettrico - Electric motor speed - Vitesse du moteur électrique	1400 giri/min/r.p.m./t/min.	1400 giri/min/r.p.m./t/min.
Tempo apertura barriera - Barrie opening time - Temps d'ouverture barrière	2,2 sec/sec/s	8,5 sec/sec/s

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00163 Roma - Via dei Gonzaga, 147
Tel. 06/66141555 r.a. Fax 06/66154762

BARRAMATIC

BS 500 (m. 5) BS 650 (m. 6,5)



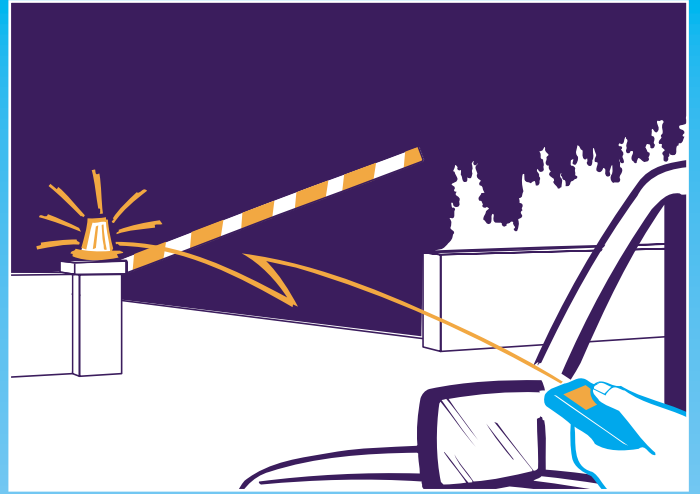
Barriere automatiche rapide



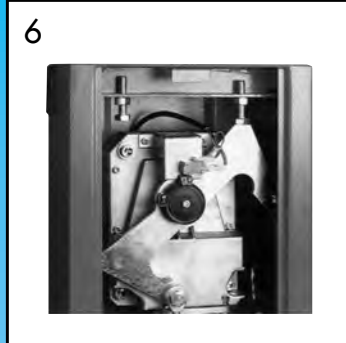
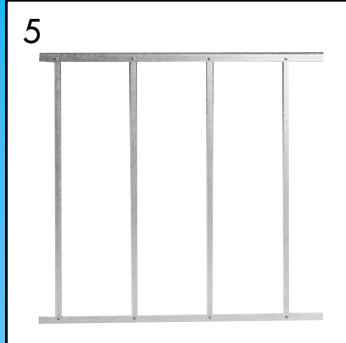
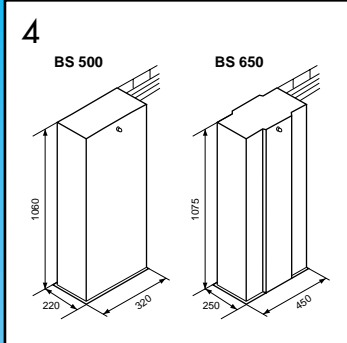
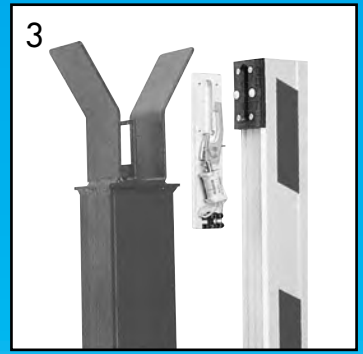
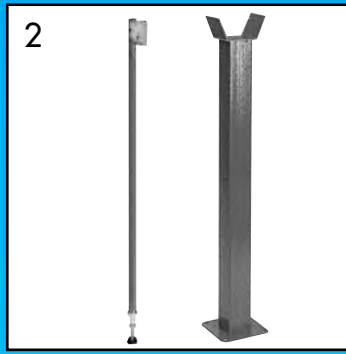
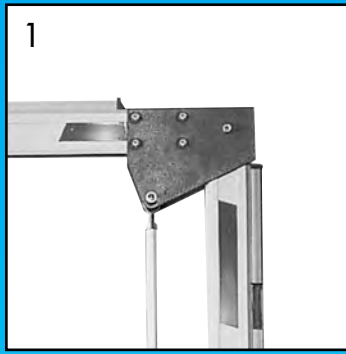
Rapid automatic barriers



Barrieres automatiques rapides



BS 500 BS 650



Le barriere elettromeccaniche **BS** sono dotate di motore in C.C., con regolazione della velocità, rallentamento in apertura e chiusura e di un dispositivo amperometrico di sicurezza antischiacciamento. Sono inoltre predisposte per l'inserimento di batterie, e hanno un sistema di sblocco che permette la manovra manuale in mancanza di corrente. Sono disponibili su richiesta anche le versioni zincate ed in acciaio inox.

- Snodo per asta BS 500 (fig. 1).
- Appoggio mobile per asta (fig. 2).
- Appoggio fisso per asta (fig. 2).
- Appoggio fisso con elettroserratura (fig. 3).
- Rastrelliera L= 2000 mm. (fig. 5).
- Kit asta da m. 5 per BS 500 a sezione rettangolare.
- Kit asta da m. 6,5 per BS 650 a sezione rettangolare.
- Kit asta da m. 5 per BS 500 a sezione tubolare Ø 70 mm. adatta a zone con forte vento.
- Kit asta da m. 6,5 per BS 650 a sezione tubolare Ø 90 mm. adatta a zone con forte vento.

The **BS** electromechanical barriers are equipped with a D.C. motor (duty service), with speed regulation, soft stop in opening and closing position and an amperometric sensor for safety. On request it is possible to have the system with batteries. Key release for manual operation. Available also galvanised or in stainless steel.

- Articulated joint for BS 500 arm (fig. 1).
- Mobile support for arm (fig. 2).
- Fixed support for arm (fig. 2).
- Fixed support with electric lock (fig. 3).
- Aluminium skirt L= 2000 mm. (fig. 5).
- Mm. 5000 aluminium arm kit for BS 500 (rectangular section).
- Mm. 6500 aluminium arm kit for BS 650 (rectangular section).
- Mm. 5000 aluminium arm kit for BS 500 (tubular section Ø 70 mm.) suitable for windy areas.
- Mm. 6500 aluminium arm kit for BS 650 (tubular section Ø 90 mm.) suitable for windy areas.

Les barrières électromécaniques **BS** sont dotées d'un moteur en C.C. (à usage intensif), avec régulation de la vitesse, ralentissement en ouverture et fermeture, et dispositif ampérométrique de sécurité. Un système à batteries, sur demande, permet des manoeuvres automatiques en panne de courant. Une clé de déblocage s'utilise pour la manoeuvre manuelle d'urgence. Sont disponibles, sur demande, les versions zinguées et en acier inox.

- Articulation pour la lisse de 5 m. pour BS 500 (fig. 1).
- Pied d'appui mobile pour lisse (fig. 2).
- Pied d'appui fixe pour lisse (fig. 2).
- Pied d'appui fixe avec serrure électrique (fig. 3).
- Juppe en aluminium L= 2000 mm. (fig. 5).
- Kit lisse de m. 5 pour BS 500 (à section rectangulaire).
- Kit lisse de m.6,5 pour BS 650 (à section rectangulaire).
- Kit lisse de m. 5 pour BS 500 (à section tubulaire Ø 70 mm.) pour les zones à fort vent.
- Kit lisse de m. 6,5 pour BS 650 (à section tubulaire Ø 90 mm.) pour les zones à fort vent.

CARATTERISTICHE TECNICHE	TECHNICAL DETAILS	DONNEÈS TECHNIQUES	BS 500	BS 650
Tensione e frequenza di alimentazione	Power and frequency supply	Tension et fréquence d'alimentation	230 V. - 50/60 Hz	230 V. - 50/60 Hz
Tensione motore	Motor voltage	Tension moteur	24 V. DC	24 V. DC
Potenza e corrente assorbita	Power and current absorbed	Puissance et courant d'absorption	70 W/4,6 A	70 W/4,6 A
Coppia	Torque	Couple	210 NM	290 NM
Rapporto di riduzione	Reduction ratio	Rapport de réduction	0,005	0,005
Classe d'isolamento	Insulation class	Classe d'isolement	y	y
Temperatura di funzionamento	Operating temperature	Temperature de fonctionnement	-20° + 70°C	-20° + 70°C
Tempo di apertura a 90° regolabile	Adjustable 90° opening time	Temps d'ouverture à 90° réglable	2/7 sec.	4/9 sec.
Lubrificazione (grado permanente)	Lubrication (permanent grease)	Lubrification (graisse permanent)	si, yes, oui	si, yes, oui
Autobloccante	Selflocking	Autobloquant	si, yes, oui	si, yes, oui
Max di manovre per ora	Max operations per hour	Max de manoeuvres par heure	400	200
Rallentamento	Soft stop	Rallentissement	si, yes, oui	si, yes, oui
Elettroserratura a richiesta	Electric lock (on request)	Serrure électrique (sur demande)	si, yes, oui	si, yes, oui
Manovre di emergenza a batteria a richiesta	Battery emergency operations (on request)	Manoeuvres d'urgence à batterie (sur demande)	si, yes, oui	si, yes, oui
Caricabatterie a richiesta	Batteries charger (on request)	Chargeur de batterie (sur demande)	si, yes, oui	si, yes, oui
Batterie a richiesta	Batteries (on request)	Batteries (sur demande)	si, yes, oui	si, yes, oui
Lunghezza max asta	Max lenght arm	Longueur max de la lisse	5000 mm.	6500 mm.
Dimensione corpo barriera mm.	Barrier dimensions (mm.)	Dimensions de la barriere (mm.)	320x220x1060	450x250x1075
Peso corpo barriera	Barrier weight	Poids de la barriere	51,5	80,5

Distributore - Distributor - Distributeur

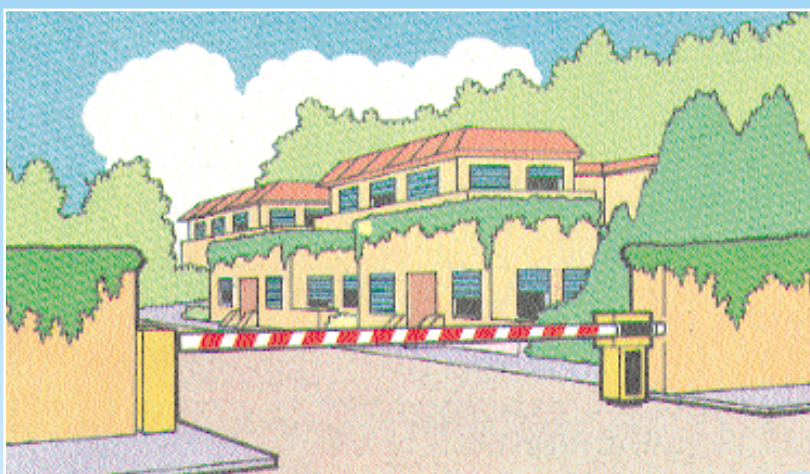
saimatic[®]
srl

Via dei Gonzaga, 147 - 00163 Roma - Italy

Tel. +39-0666141555 r.a. - Fax +39-0666154762

E-mail: saimatic@mclink.it

BARRAMATIC



BARRASTANDARD • B6000

BARRIERA AUTOMATICA - AUTOMATIC BARRIER - BARRIERE AUTOMATIQUE

La **Barrastandard B-6000** può essere impiegata per passaggi fino ad un max di L. mt 6 - viene prodotta in versione destra o sinistra. L'armadietto di piacevole gusto estetico, in lamiera verniciata a fuoco racchiude un affidabilissimo sistema elettromeccanico composto da: motore elettrico ventilato per uso intensivo • trasmissione a cinghia • riduttore in bagno d'olio • bilanciamento a molla • sistema a leva per rallentare la corsa in salita e discesa • fine corsa a microinterruttore.

E' indispensabile utilizzare la centrale PM/5000 in quanto è provvista di limitatore di coppia elettrico che permette di regolare la forza al motore. In mancanza di corrente la manovra manuale si effettua a 1/2 di manovella.

The **Barrastandard B-6000** can be used for passages up to 6 mt. max - it is manufactured in right or left version. The caisson is painted sheet and encloses a reliable electromechanical system. It is composed by: heavy duty ventilated electric motor • belt-drive • gear unit • spring balancing • levers system to brake the up ward and down ward stroke • electric limit switches. For proper operation it must be coupled with Saimatic PM/5000 programmable controller, featuring an exclusive electronic torque limiter, which replaces mechanical clutch found in similar products.

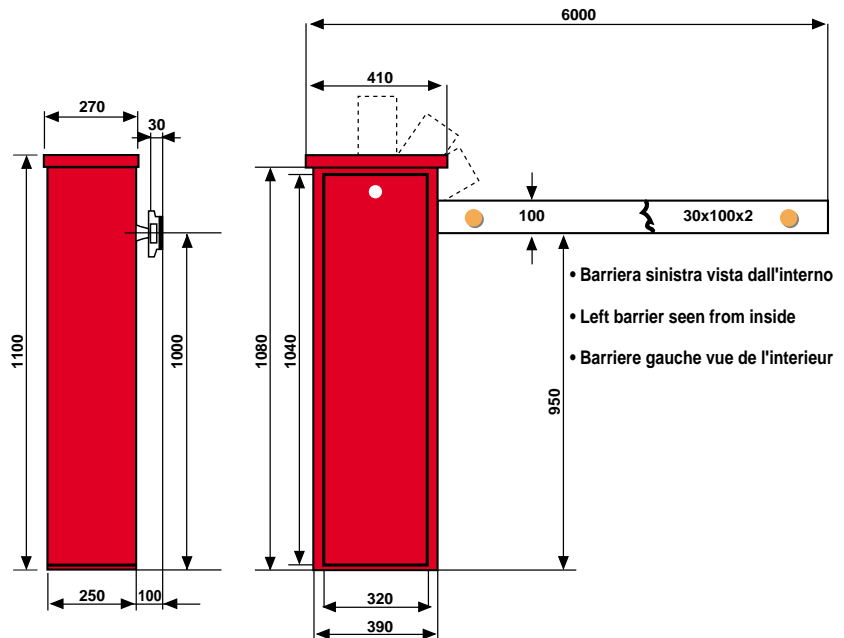
The Barrastandard B-6000 is provided with a special crank for emergency manual operation in case of power failure.

La **Barrastandard B-6000** peut être utilisée pour des passages de L. max de mt.6 - elle est produite en version droite ou gauche.

Le caisson est agréable, en tôle vernie et contient un système électromécanique très fiable composé de: moteur électrique ventilé pour usage intensif • transmission à courroie • réducteur entièrement en bain d'huile • balancement à ressorts • système à leviers pour ralentissage de la course de montée et de descente • fin de course électrique.

Il est indispensable utiliser l'armoire de commande PM/5000, dotée d'un limiteur de couple électrique qui permet de régler la force au moteur.

En cas de panne de courant la manoeuvre de secours se fait par moyen d'une manivelle.



CARATTERISTICHE TECNICHE	TECHNICAL CHARACTERISTICS	DONNEÉS TECHNIQUES	BARRASTANDARD B6000
Tensione e frequenza di alimentazione	Power and frequency supply	Tension et fréquence d'alimentation	V. 220/50Hz
Potenza e corrente assorbita	Power and current	Puissance et consommation	W 300/1,4A
Velocità motore elettrico	Electric motor speed	Vitesse du moteur électrique	giri min/R.P.M./T.M.
Condensatore	Capacitor	Condensateur	20 UF/450V.
Numero delle fasi	Number of phases	Numeros des phases	Mono
Sensi di marcia	Direction of rotation	Sens de rotation	2
Olio di lubrificazione	Lubricating oil	Huile de lubrification	Mobil - Oil ATF 200
Autobloccante	Selflocking	Autobloquant	Si, Yes, Oui
Intervento protettore termico	Thermal protector cut-in	Intervention protection thermique	138°C
Tempo di apertura a 90°	90° opening time	Temps d'ouverture à 90°	15 sec.
Lunghezza max asta	Max lenght arm	Longueur max lisse	mm 6000
Peso netto B6000 con asta	Net welght B6000 with arm	Poid net B6000 avec lisse	kg 81

Distributore - Distributor - Distributeur

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RSB series
road blockers



The Road Blockers are designed to restrict vehicular access into critical areas.

The RSB series accommodates:

- Dissuasive up to high-level security
- Enhanced safety
- Flexibility
- First-class reliability

SECURITY

- Intrusion prevention
- Terrorist attack prevention
- Impressive obstacle
- Impact resistance from moderate to high-level

FLEXIBILITY

- Hydraulic and electromechanical obstacles
- Surface and shallow mount models
- Different widths available
- Multiple modes of operation : stand-alone, twin, with barrier
- Compatible with any card reader or identification system

RELIABILITY

- Robust mechanism, result of more than 30 years' experience
- Electromechanical models remain operational in extreme climatic conditions

RETURN ON INVESTMENT

- Low-cost solution compared to potential risks
- Long equipment life cycle
- Simple and efficient security equipment



WHICH RSB MODEL SHOULD I CHOOSE AND WHY ?

Urban Road Blockers

RSB 70

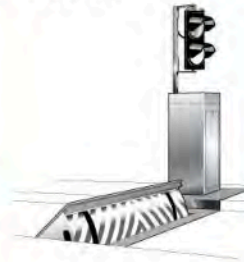
**Advantages:**

- Surface mounted, no excavation required
- Lowest cost option
- Electromechanical control system
- Can limit upward torque for safety reasons

Application Criteria:

- Medium security required
- Retro-fit in existing location
- New location where excavation is limited
- Typical sites: corporate and public car parks

RSB 71

**Advantages:**

- Stronger resistance
- Electromechanical control system
- Can limit upward torque for safety reasons

Application Criteria:

- Reinforced security required
- Typical sites: corporate and public car parks, car rentals

High-Security Road Blockers

RSB 76E

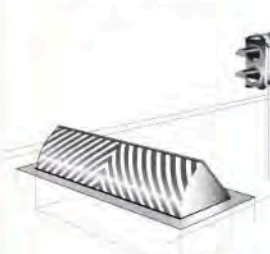
**Advantages:**

- K4* (610 KJ): stops a 6.8T vehicle at 50 kph
- Electromechanical system
- Controls and limits upward torque for safety reasons
- Easy to install

Application criteria:

- High security required
- Operates even in extreme climatic conditions
- Locations where the public might have access
- Typical sites: embassies, airport perimeters, strategic factories, military facilities, ...

RSB 76H

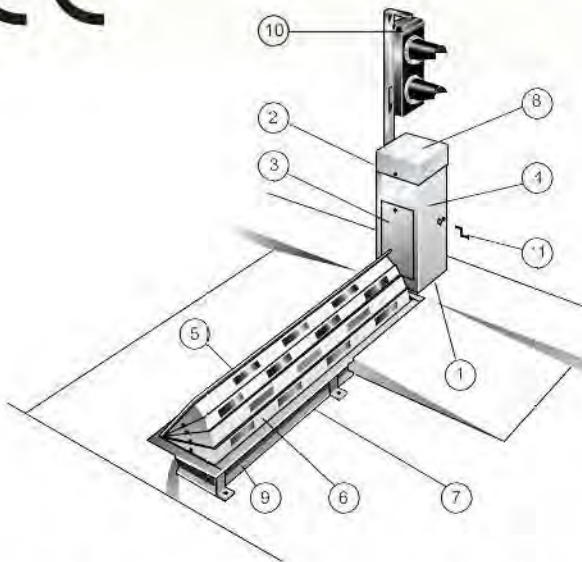
**Advantages:**

- K4* (610 KJ): stops a 6.8T vehicle at 50 kph
- Hydraulic system
- Opens rapidly

Application criteria:

- High security required
- Locations where the public access is extremely limited
- Typical sites: embassies, airport perimeters, strategic factories, military facilities, ...

*Resistance calculated by an independent engineering laboratory



Model to be installed directly onto the road surface without pit or special infrastructure. Specially designed to control access of existing high security parking areas.

Two models are available according to the length of the obstacle (2040mm and 2980mm).

Moreover, four different configurations are possible.

Description

1. Folded and welded steel housing, 2 to 6 mm thick.
2. Upper hood with security lock.
3. Lateral door for access to internal mechanism with security lock.
4. Electromechanical assembly comprising:
 - 3-phase asynchronous motor
 - Life-lubricated speed reduction gearbox with worm screw
 - Gearbox driven by pulleys and V-belt
 - Balance achieved by built-in traction springs
 - Obstacle driven by sprocket-wheels and roller chain
 - Limit switches activated by adjustable cams
 - Adjustable safety friction clutch
5. Obstacle made of heavy-gauge steel sheet welded on a strong steel profile frame
6. Step skirt made up of 1.5 mm-thick telescopic steel sheets, white enamelled with red reflectors.
7. Driving shaft on pillow blocks with crankshaft/rod device ensuring smooth operation and mechanical locking of step when in upper position.
8. Programmable electronic control logic type AS1320 allowing various control operations and/or complementary accessories. The logic protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
9. Frame to be fixed on the road surface by means of rawlbolts. Difference of level must be compensated by two concrete slopes.
10. Red/green traffic light mounted on cabinet.
11. Emergency crank for manual operation in case of power failure.

Surface treatment

Anti-corrosion protection

Internal mechanical items: electrozinc coating.
Housing : phosphating with zinc and cathaphoresis.
Cabinet, obstacle and step skirt : sanding and metallisation with zinc .

Paint

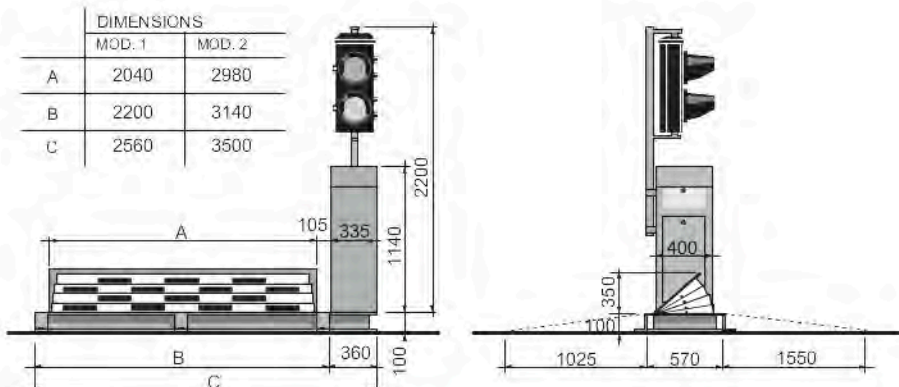
Housing and obstacle : 1 coat of 2-component epoxy anti-rust primer and 1 coat of 2-component polyurethane top coat.
Standard colour: Orange RAL 2000.

Step skirt : 1 coat of powder top coat. Standard colour: white RAL 9010.

Technical characteristics

Power supply :	230 V single phase
Frequency :	50/60Hz (to be specified at the order)
Height of raised obstacle :	350mm
Length of obstacle :	2040 or 2980 mm
Motor :	3-phase asynchronous type, 250W
Reduction gearbox :	worm-screw type, life-lubricated
Maximum load per axle :	11 tons
Power consumption :	in stand-by: 150 W in operation: 410 W
Operational temperature :	-25°C to +50°C
Net weight :	model 1 = 280kg model 2 = 340kg
Opening time :	3 seconds
Protection index (housing) :	IP44

Dimensions (not contractual)

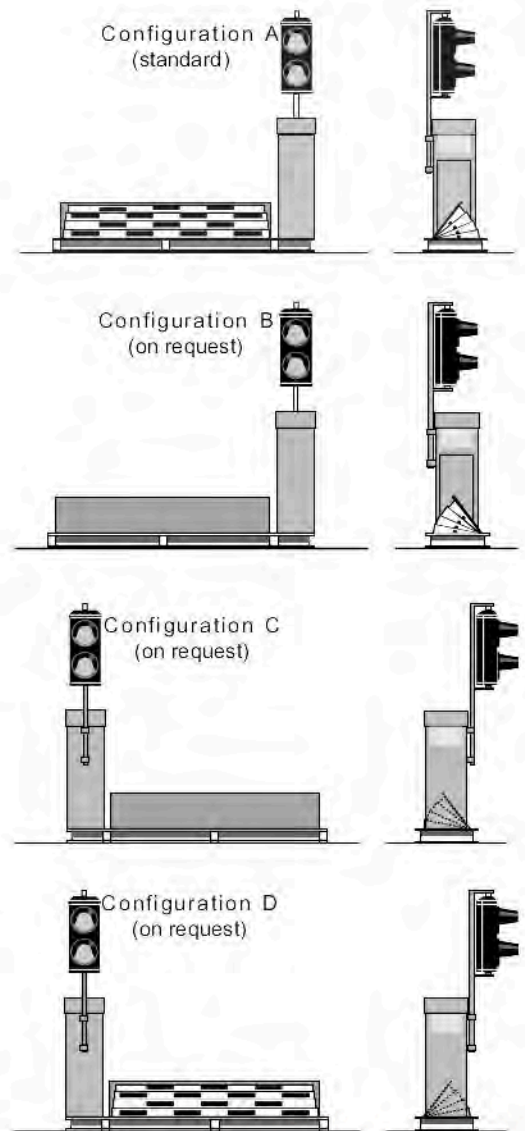


Options

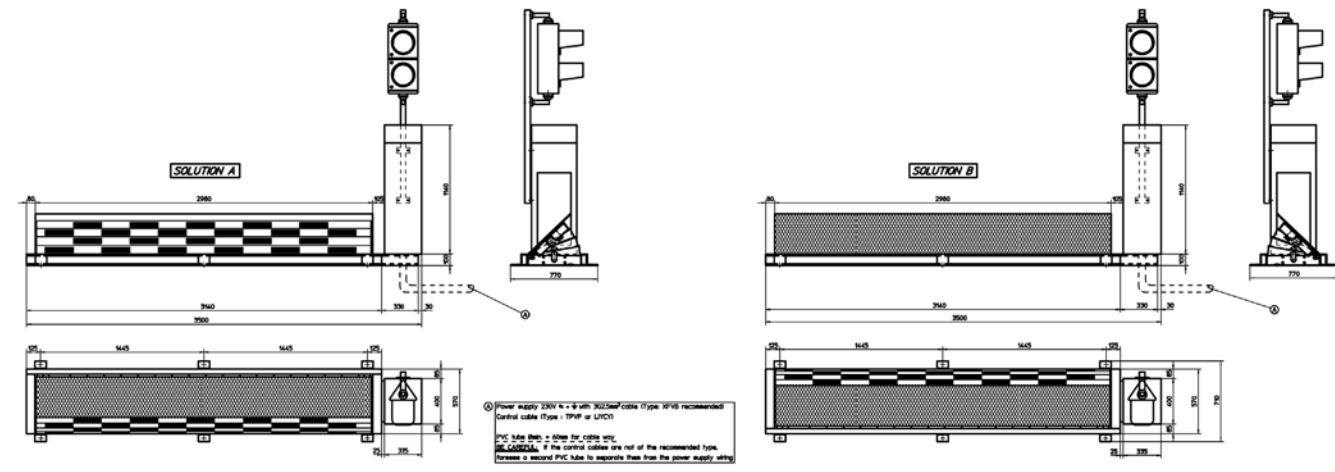
- Additional two-colour (red/green) traffic light for dual directional traffic (on support post fixed on RSB70).
- Out-of-standard configuration (see below; to be specified while ordering).

Work to be provided by the customer

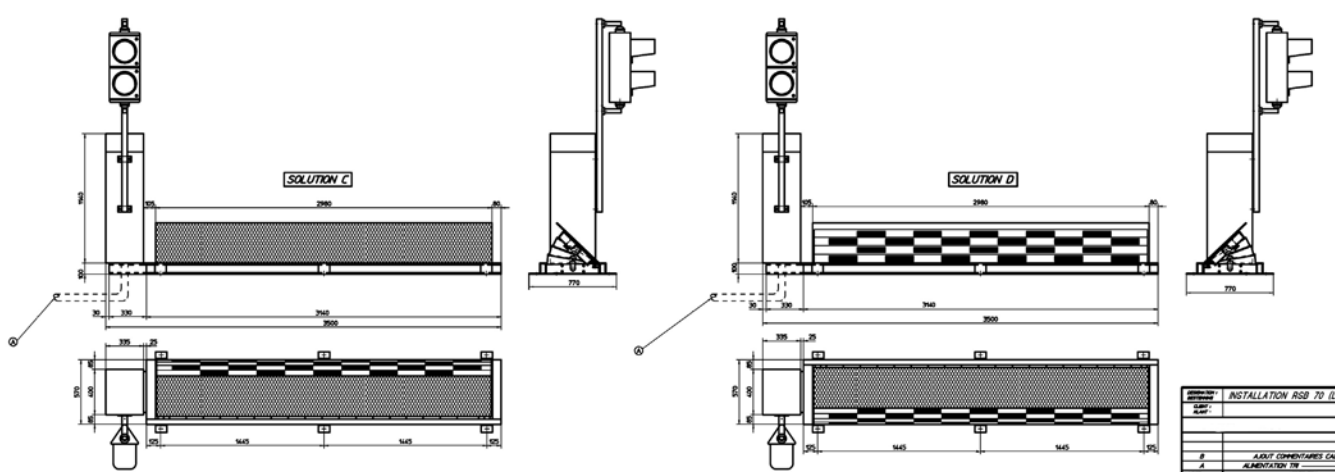
- Electrical power supply.
- Connection wiring to the control units.
- Concrete slopes before and after obstacle.



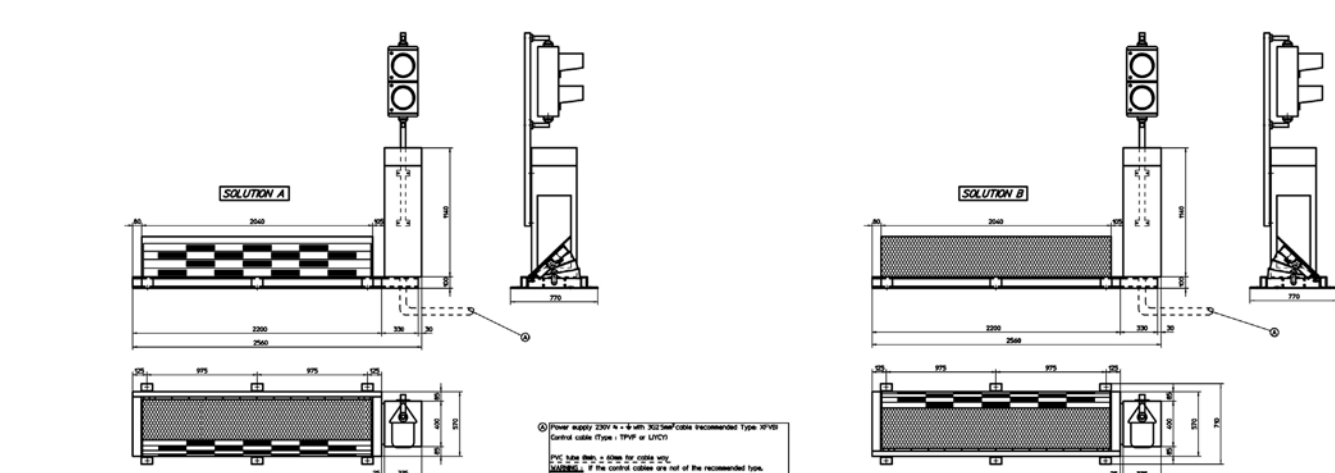
Our dealer



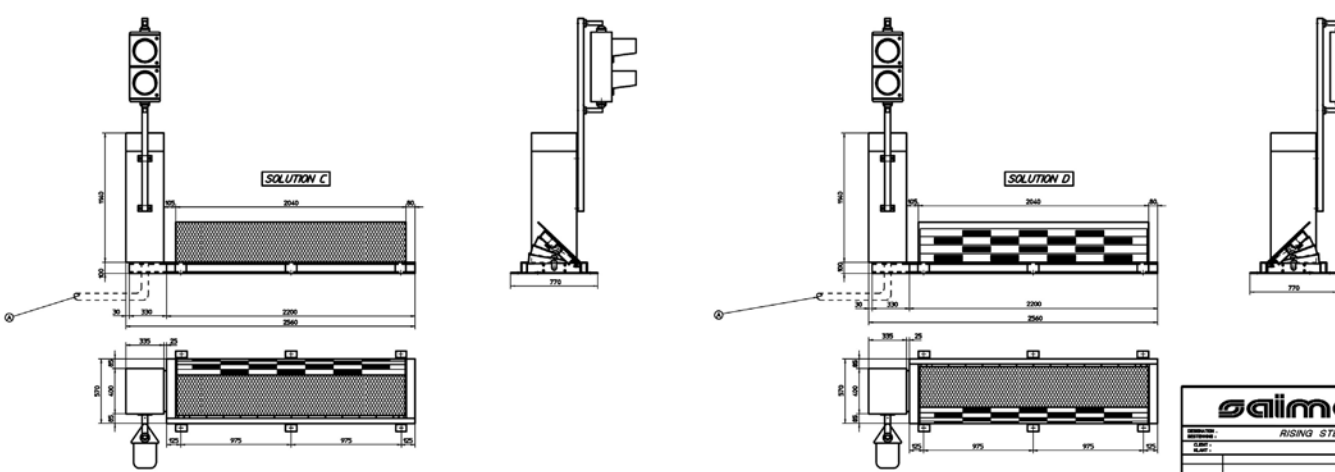
ⓐ Power supply 230V ~ 5 with 3x2.5mm² cable (Type XFV6 recommended)
 Control cable (Type : TPVP or LYCN)
 PVC tube Ø60 - 60mm for cable entry
 ⓑ If the control cables are not of the recommended type,
 between 2 second PVC tube to separate them from the power supply entry



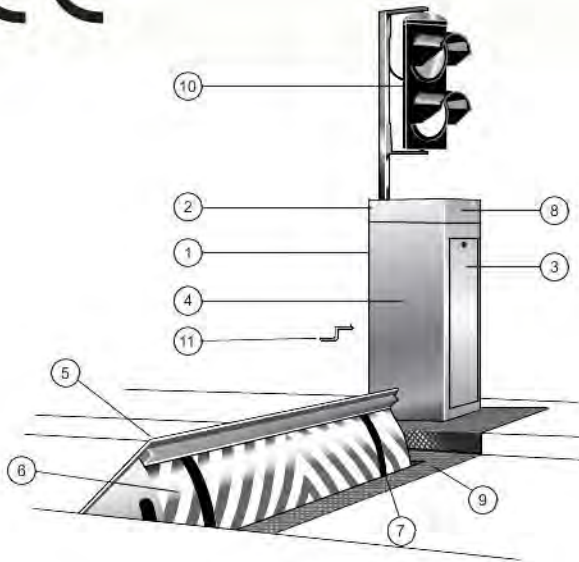
INSTALLATION RSB 70 (LG 2000) SOL A,B,C ET D			
REF.	DESCRIPTION	Q.TE	UNIT
A	ALIMENTATION TR	1	230V/50
B	ALIMENTATION TR	1	230V/50
C	ALIMENTATION TR	1	230V/50
D	ALIMENTATION TR	1	230V/50
calmatic			
REF.	DESCRIPTION	Q.TE	UNIT
A	ALIMENTATION TR	1	230V/50
B	ALIMENTATION TR	1	230V/50
C	ALIMENTATION TR	1	230V/50
D	ALIMENTATION TR	1	230V/50



ⓐ Power supply 230V ~ 5 with 3x2.5mm² cable recommended Type XFV6
 Control cable (Type : TPVP or LYCN)
 PVC tube Ø60 - 60mm for cable entry
 ⓑ If the control cables are not of the recommended type,
 between 2 second PVC tube to separate them from the power supply entry



calmatic			
RISING STEP R.S.B 70			
REF.	DESCRIPTION	Q.TE	UNIT
A	ALIMENTATION TR	1	230V/50
B	ALIMENTATION TR	1	230V/50
C	ALIMENTATION TR	1	230V/50
D	ALIMENTATION TR	1	230V/50



The electromechanical retractable road blocker RSB 71 has been specially designed to secure parking areas that require a dissuasive access control.

The RSB71 is placed in a pit with rainwater drainage flush with the road surface.

Description

1. Folded and welded steel housing, 3 to 6 mm thick.
2. Upper hood with security lock.
3. Lateral door for access to internal mechanism with security lock.
4. Electromechanical assembly comprising:
 - 3-phase asynchronous motor
 - Life-lubricated speed reduction gearbox with worm screw
 - Gearbox driven by pulleys and V-belt
 - Balance achieved by built-in compression springs
 - Obstacle driven by sprocket-wheels and roller chains
 - Limit switches activated by adjustable cams
 - Adjustable safety friction torque regulated by Ferodo disks.
5. Obstacle made of heavy-gauge steel sheet welded on a strong steel profile frame
6. Step skirt made up of 2 mm-thick steel sheets, curved and white enamelled with herringbone patterned red reflecting stripes.
7. Driving shaft mounted on pillow blocks with crankshaft/rod device ensuring smooth operation and mechanical locking of step when in upper position.
8. Programmable electronic control logic type AS1320 allowing various control operations and/or complementary accessories. The logic protection to dust and condensation is assured by a removable hood. Electrical protection is secured by a bipolar circuit-breaker.
9. Strong-section steel profile framework to be sealed in a reinforced concrete pit, flush with road surface.
10. Red/green traffic light mounted on cabinet.
11. Emergency crank for manual operation in case of power failure.

Surface treatment

Anti-corrosion protection

Internal mechanical items: electrozinc coating.
Housing : Phosphating with zinc and cataphoresis.

Cabinet, obstacle and step skirt : sanding and metallisation with zinc.

Paint

1 coat of 2-component micaceous iron epoxy anti-rust primer.

1 coat of 2-component polyurethane top coat. Standard colour: orange RAL 2000

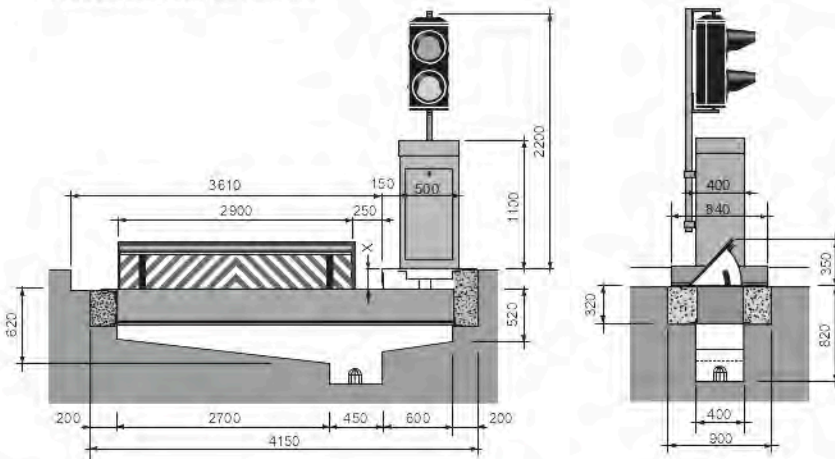
Technical characteristics

- Power supply : 230 V single phase.
- Frequency : 50/60Hz
- Height of raised obstacle : 350 mm
- Length of obstacle : 2900 mm
- Motor : 3-phase asynchronous, 0,25 kW, 950 rpm
- Reduction gearbox : worm-screw, life-lubricated
- Maximum load by axle : 16 tons
- Power consumption : in stand-by: 150 W
in operation: 700 W
- Operational temperature: -20 C to + 50 C
- Net weight: 595 kg
- Opening time : 3 seconds
- Protection index (housing) : IP44

Options

- Vehicle presence detector(s) with detection loop(s).

Dimensions *(not contractua)*

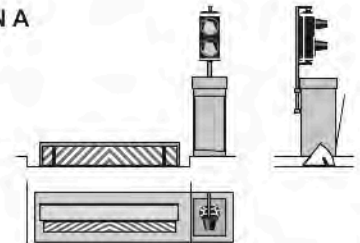


- Additional 3-push button box.
- Additional two-colour traffic light (red/green) for dual directional traffic.
- Out-of-standard configuration (see below; to be specified while ordering).

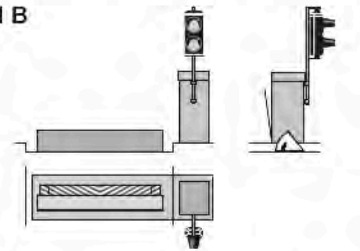
Work to be provided by the customer

- Electrical power supply.
- Connection wiring to the control units.
- Pit in reinforced concrete with rainwater drainage (see installation drawing).

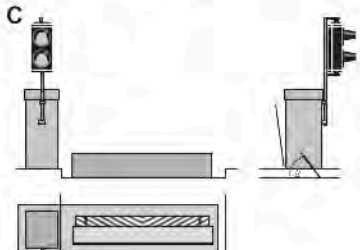
CONFIGURATION A
(standard)



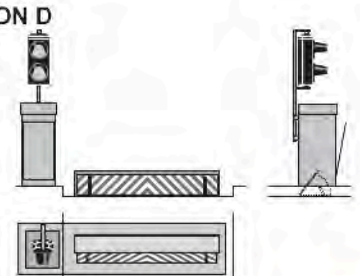
CONFIGURATION B
(on request)



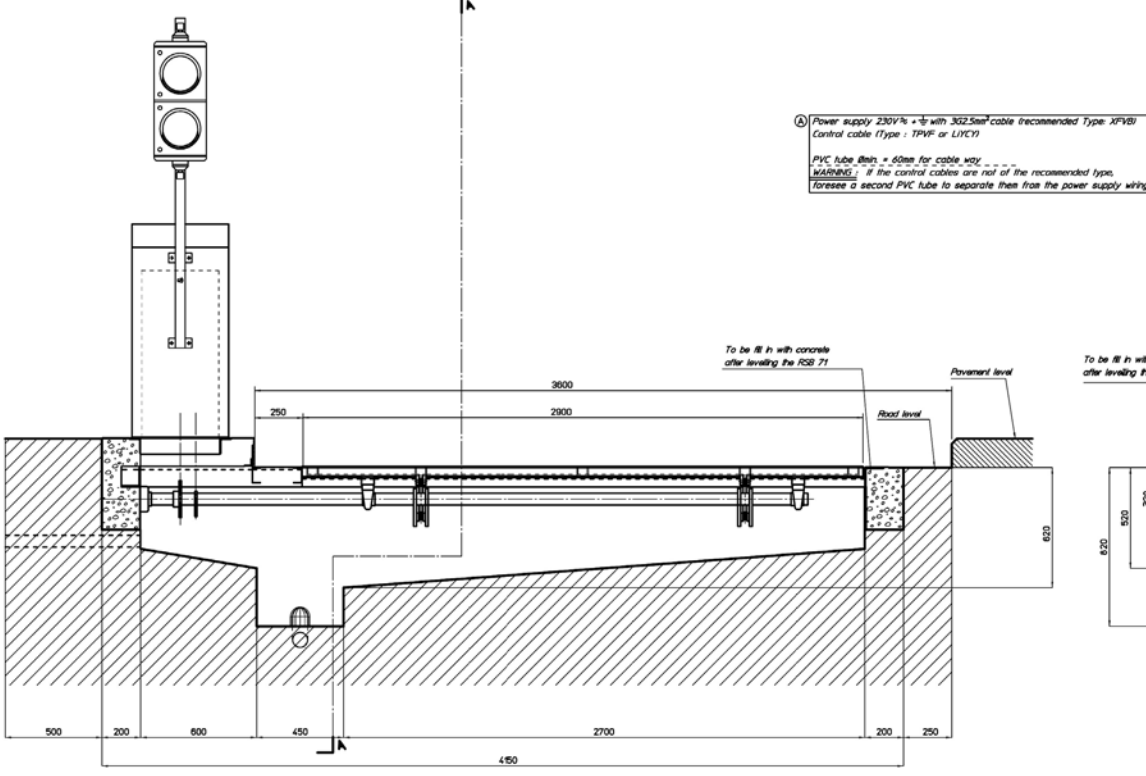
CONFIGURATION C
(on request)



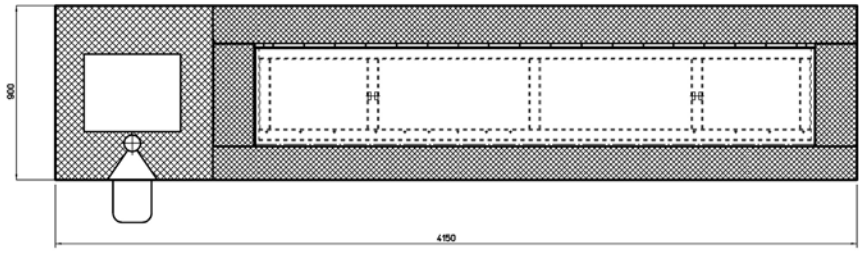
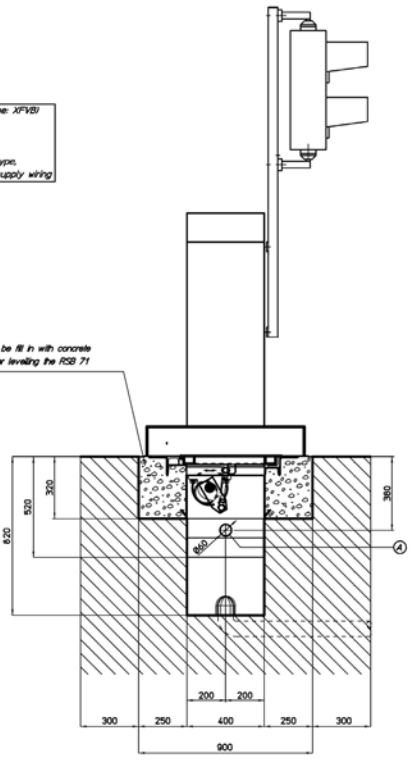
CONFIGURATION D
(on request)



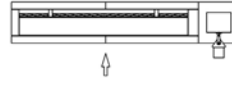
Our dealer



Ⓐ Power supply 230V~ + 0 with 3x2.5mm² cable (recommended Type: XFYB)
Control cable (Type : TPVF or LYCY)
PVC tube Ø16h = 60mm for cable way
WARNING : If the control cables are not of the recommended type,
Foresee a second PVC tube to separate them from the power supply wiring



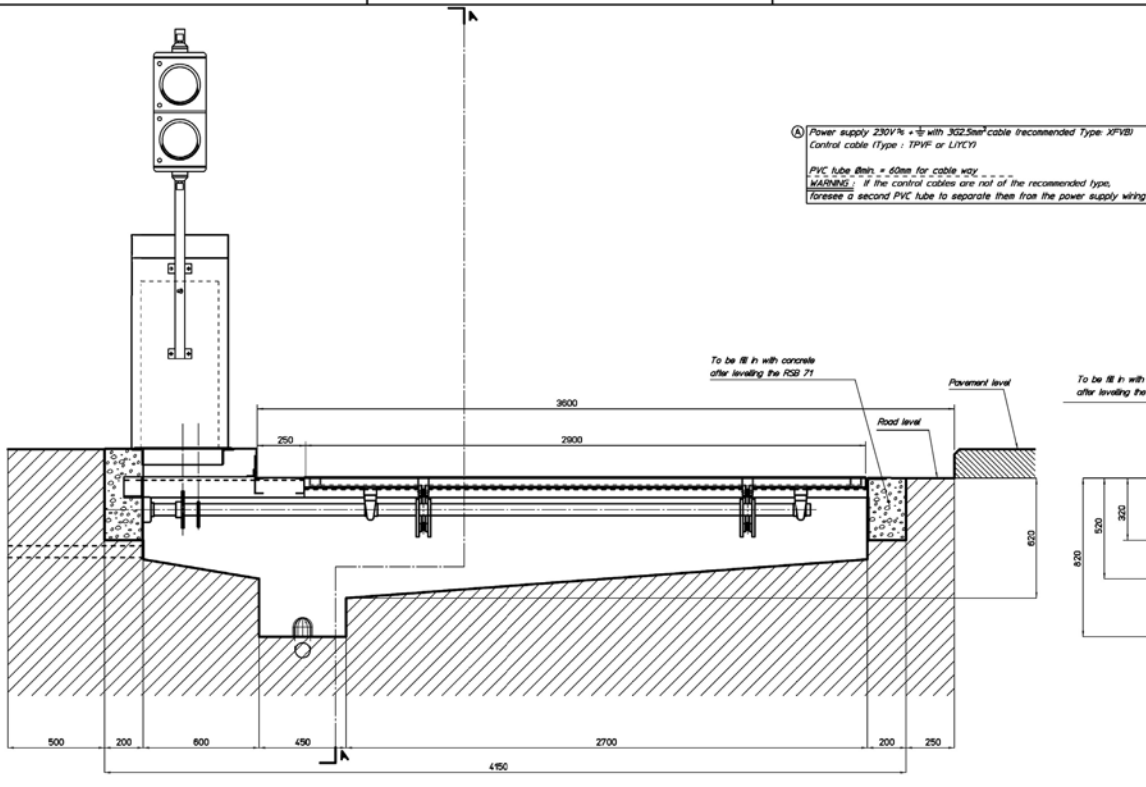
Solution B



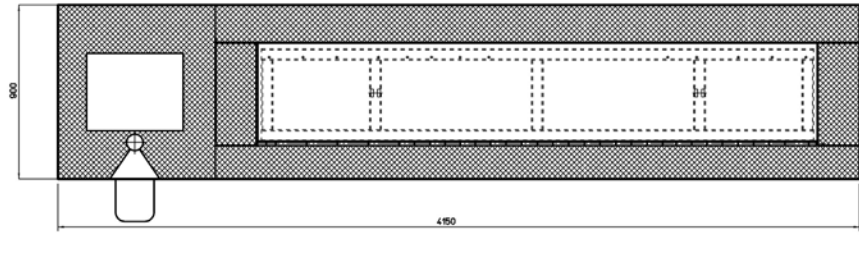
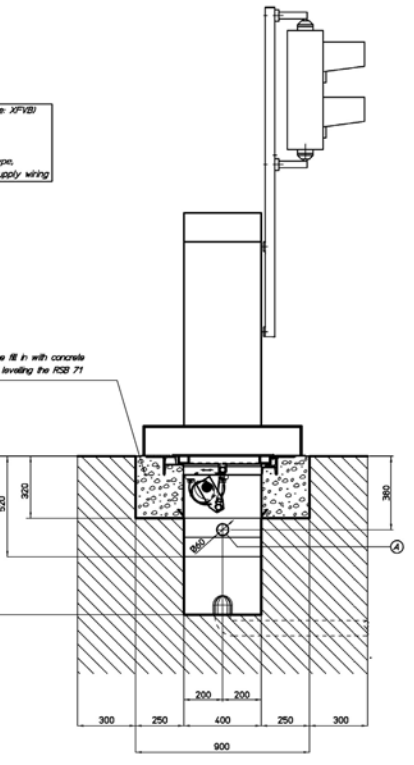
Solution D



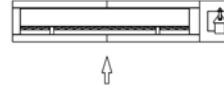
DESIGNATION :	RISING STEP RSB 71 (2900) SOLUTION: "B & D "		
CLIENT :			
ALARM :			
C	AJOUT DU CABLAGE	CF	06/12/07
B	AJOUT D'UNE NOUVELLE COTE	CF	09/04/03
REALISATION :	PROJETEUR :	DATE :	DATE :
galmatic		MO	22/03/99
		REVISION :	EDUCATION :
		1/02	CH0012-en D



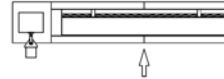
Ⓐ Power supply 230V~ + 0 with 3x2.5mm² cable (recommended Type: XFYB)
Control cable (Type : TPVF or LYCY)
PVC tube Ø16h = 60mm for cable way
WARNING : If the control cables are not of the recommended type,
Foresee a second PVC tube to separate them from the power supply wiring



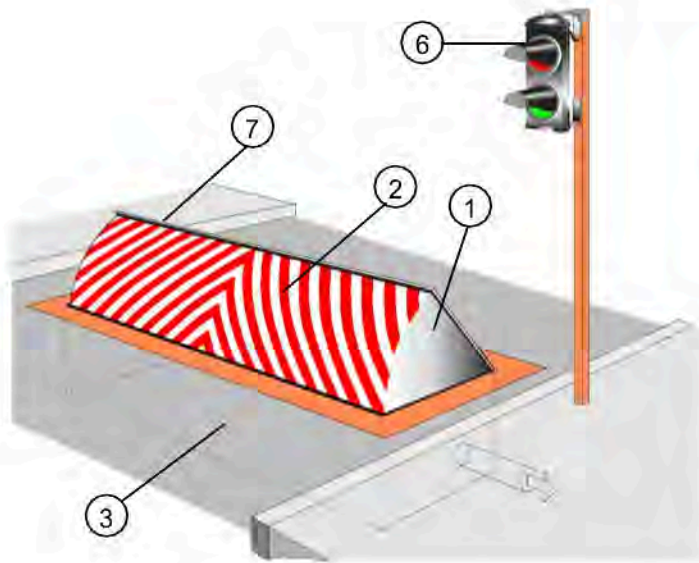
Solution A



Solution C



DESIGNATION :	RISING STEP RSB 71 (2900) SOLUTION:"A & C "		
CLIENT :			
ALARM :			
D	AJOUT DU CABLAGE	CF	06/12/07
REALISATION :	PROJETEUR :	DATE :	DATE :
galmatic		MO	22/03/99
		REVISION :	EDUCATION :
		1/02	CH0247-en D



The electromechanical road blocker RSB76E was designed as an effective means of controlling access to high security areas (theoretical impact resistance: K4 - 610KJ) such as embassies, airports, strategic factory sites, etc.

The RSB76E offers the advantage of not requiring a side column to house the drive mechanism.

The electromechanical drive is operated through a control unit that can be positioned as far away as 20m (50 m with additional filter for frequency converter).

This facilitates placing several barriers end to end to control exceptionally wide access points.

This electromechanical version is safer thanks to torque control, easier to install and maintain, and environment-friendly.

The RSB76E is available in 3 widths: 3000, 3500 and 4000 mm (width of the rising obstacle)

Description

1. Frame of thick section galvanized steel profiles, the assembly being articulated on hinges all along its width (axle in stainless steel).
2. Barrier front face formed by curved plating closed at both ends, white enamelled with chevron-shaped red reflecting stripes, which hides the mechanism.
3. Galvanized metal frame bolt onto a sealing frame, into the concrete pit.
4. AS1300 Control Board enabling various additional commands and/or accessory options.
5. Obstacle movements operated by a linear actuator, the angular position being monitored by inductive proximity switches (IP67). Locking of the obstacle in open/closed position by electro-magnetic brake.
6. Unidirectional green/red traffic light (LED), delivered with wall or post fixation brackets (post not supplied).
7. Covering steel sheet for vehicles passage and access to mechanism.
Treatment: sand + metalization + powder paint RAL 2000, thickness 80 to 100 microns.
8. Crank for manual operation of the obstacle.
9. Sensor for water level in the pit.

Standard technical characteristics

Impact resistance	DoS K4 (stops a 6,8 tons vehicle at 48 km/h); calculated numerically (finite elements).
Height of raised obstacle	665mm
Widths of obstacle	3000, 3500 & 4000 mm
Dimensions of control unit	width: 760 mm height: 1000 mm depth: 300 mm
Power supply of the control unit	230V single phase, 10A. (do not connect to a floating network or to high impedance earthed industrial distribution network)
Power consumption	max. 1,5 kW
Ambient operating temperature	-20°C to + 50°C (Control unit to be kept in a room between 0°C and 40°C)
Net weight	1170 kg (obstacle 3000 mm) 1372 kg (obstacle 3500 mm) 1575 kg (obstacle 4000 mm)
Weight of control unit	35 kg
Operating time	3 seconds minimum
Maximum load allowed	20 tons per axle
RSB protection (inside pit)	IP44 if the concrete pit is correctly drained
Control unit protection	IP 55
Motor protection	IP 65 (not to be immersed)
MCBF (Mean Cycles Between Failure)	1,000,000 cycles, with respect to the maintenance program
Compliance	CE

Options

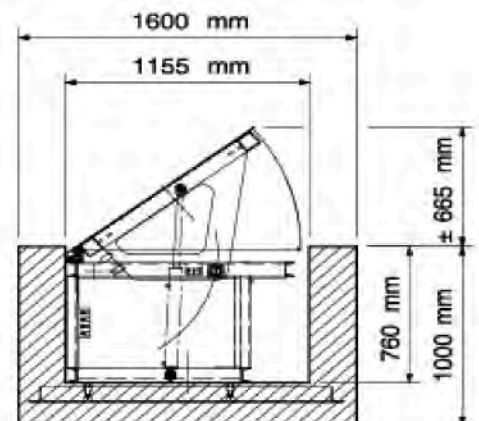
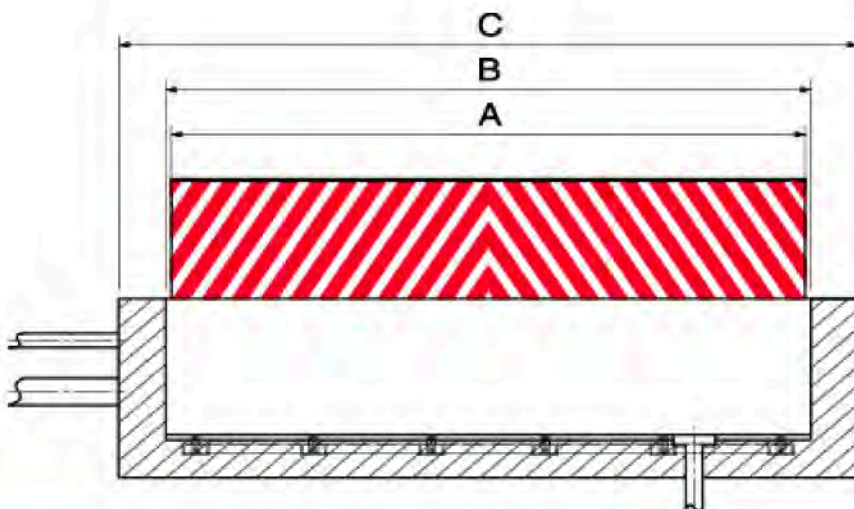
- Additional two-colour or orange traffic light (LED).
- Post for traffic light installation.
- Push buttons box (open- stop - close).
- Inductive loop for car or truck detection.
- Presence detector for inductive loop.
- Transmitter / Receiver safety cell on post.
- UPS (emergency power supply), enabling more than 10 operations.

Work to be provided by the customer

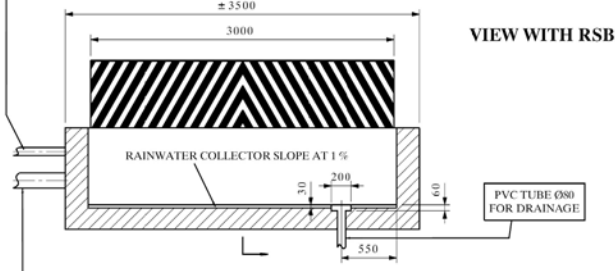
- Reinforced concrete pit with rainwater drainage and sealing frame installation.
- Power supply to the control unit.
- Electrical connection wiring between the control unit and the traffic light(s), the pushbutton box, the brake and motor controls, and the position sensors.

Standard dimensions (mm) (not contractual), according obstacle width

Dimension A	3000mm	3500mm	4000mm
Dimension B	3050mm	3550mm	4050mm
Dimension C	3500mm	4000mm	4500mm



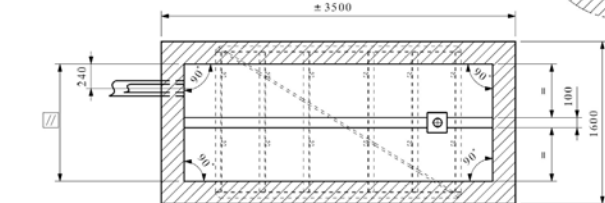
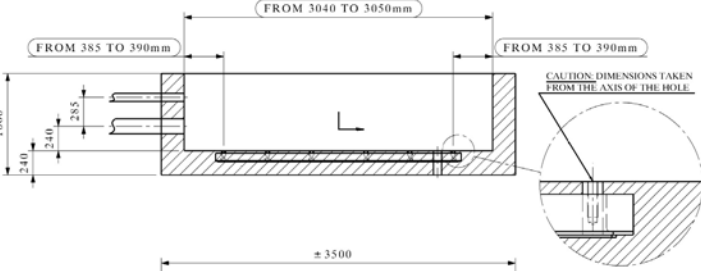
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75²



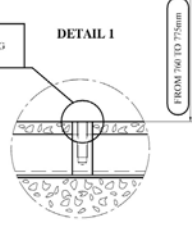
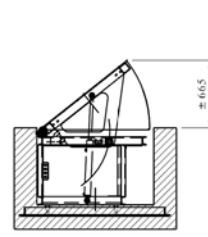
VIEW WITH RSB

PVC TUBE Ø150:
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5²
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5²
TO CONTROL BOX

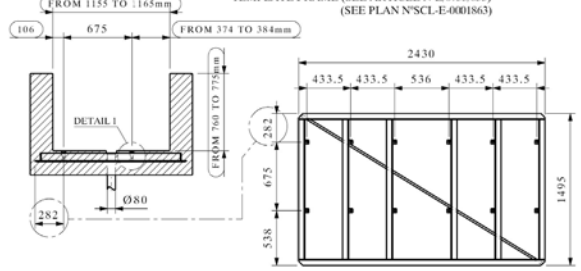
VIEW WITHOUT RSB



PLEASE DO RESPECT THE FIGURES SURROUNDED BY A CIRCLE

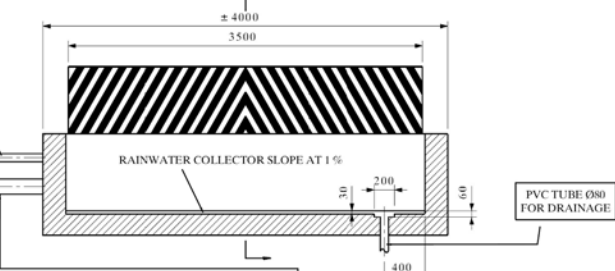


FOR INFORMATION:
TEMPLATE FRAME (SEE ARTICLE N°E0733033)
(SEE PLAN N°SCL-E-0001863)



INDICE : ANWILZUNG : DESIGNATION : BESTEMMING :	MODIFICATIONS : WÄZIGINGEN :	PAR : DOOR :	DATE : DATUM :
INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC (1 JACK)			
LENGTH 3000			
DESSINE : GETEKEND :		DATE : DATUM :	N° DOSSIER : N° DOSSIER :
CF		07/09/2004	*****
VERIFIE : NAGEZIEEN :	ECHELLE : SCHAAL :	PLAN N° : PLAN N° :	
JPDG	1/25	CH5787-gb	

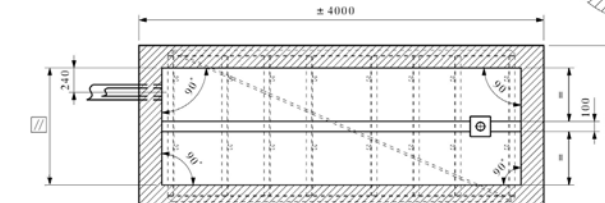
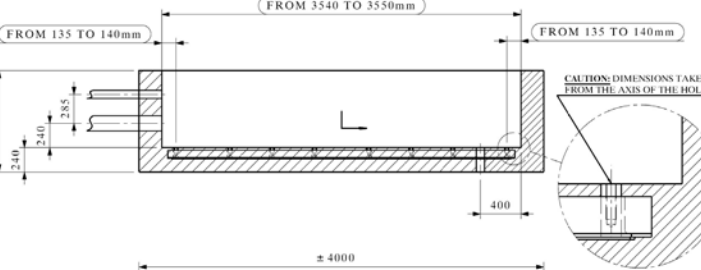
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75²



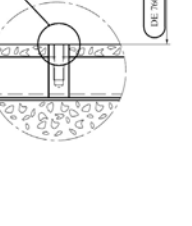
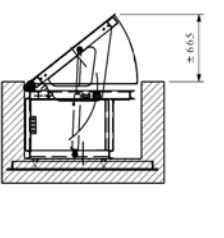
VIEW WITH RSB

PVC TUBE Ø150:
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5²
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5²
TO CONTROL BOX

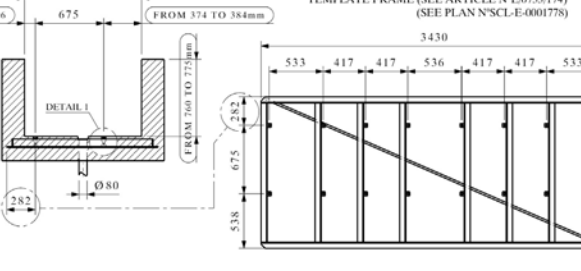
VIEW WITHOUT RSB



PLEASE DO RESPECT THE FIGURES SURROUNDED BY A CIRCLE



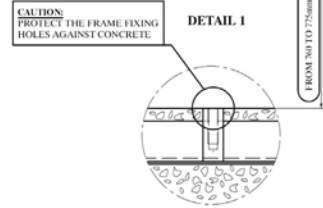
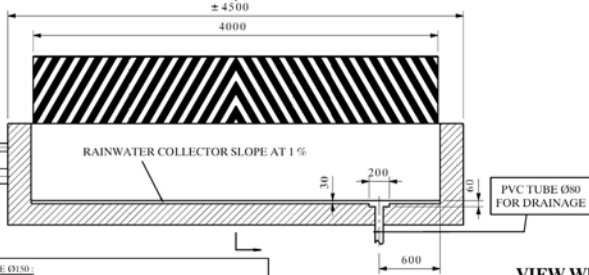
FOR INFORMATION:
TEMPLATE FRAME (SEE ARTICLE N°E0733174)
(SEE PLAN N°SCL-E-0001778)



INDICE : ANWILZUNG : DESIGNATION : BESTEMMING :	MODIFICATIONS : WÄZIGINGEN :	PAR : DOOR :	DATE : DATUM :
INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC			
LENGTH 3500			
DESSINE : GETEKEND :		DATE : DATUM :	N° DOSSIER : N° DOSSIER :
CF		08/09/2004	*****
VERIFIE : NAGEZIEEN :	ECHELLE : SCHAAL :	PLAN N° : PLAN N° :	
JPDG	1/25	CH5789-gb	

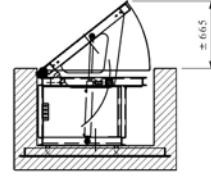
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75²

VIEW WITH RSB

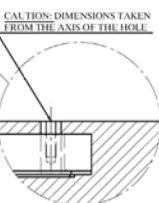
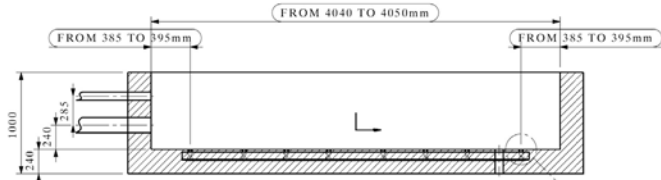
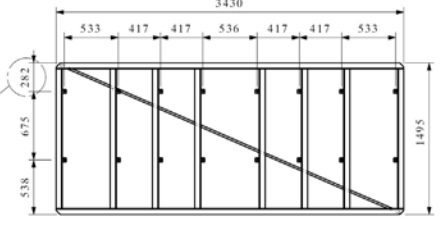
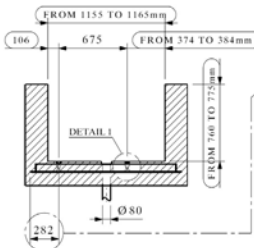


PVC TUBE Ø150
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5²
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5²
TO CONTROL BOX

VIEW WITHOUT RSB



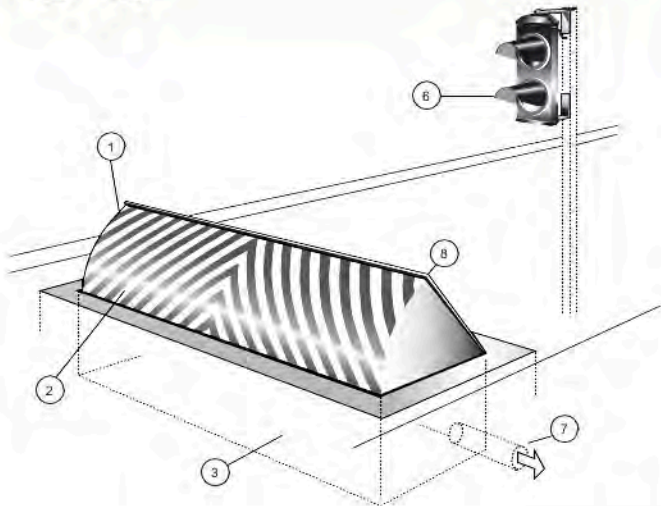
FOR INFORMATION:
TEMPLATE FRAME (SEE ARTICLE N°E0733/174)
(SEE PLAN N°SCL-E-0001778)



See dimensions and drawings
in the
Drawing program in
CD
No pen revision for this
particular description

INDICE :	MODIFICATIONS :	PAR :	DATE :
ANWILZUNG :	WÄNDIGEN :	DOOR :	DATUM :
DESIGNATION :	INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC		
BESTEMMING :	LENGTH 4000		
CLIENT :			
KLANT :			
Salmatic	DESSEINE :	DATE :	N° DOSSIER :
	CF	08/09/2004	*****
	VERIFIE :	ECHELLE :	PLAN N° :
	JPDG	1/25	CH5791-gb

PLEASE DO RESPECT THE FIGURES SURROUNDED BY A CIRCLE



The hydraulic road blocker RSB76H was designed as an effective means of controlling access to high security areas (Impact resistance: theoretical K4 - 610KJ) such as embassies, airports, strategic factory sites, etc ...The RSB76H offers the advantage of not requiring a side column to house the drive mechanism.

The hydraulic drive is operated by an energy accumulator that can be positioned as far away as 15m. This facilitates placing several barriers end to end to control exceptionally wide access points.

An energy reserve also allows up to 3 operating cycles in case of power failure.

The RSB76H is available in 3 widths: 3000, 3500 and 4000 mm (width of the rising obstacle)

Description

1. Checker steel plate obstacle, 5 mm thickness, welded onto a frame of thick section profiles. The obstacle unit is articulated on a hinge (axle in stainless steel). The obstacle is operated by 1 heavy duty ram. Two other small rams ensure the effective locking of the obstacle in raised position, for ensuring proper resistance to an impact whatever its direction.

The position control of rams is made by waterproof inductive sensors, without any movable part likely to distort.

2. The barrier front face is formed by curved plating closed at both ends, white enamelled with chevron-shaped red reflecting stripes, which encloses the mechanism.

3. Metal frame sealed into the concrete pit.

4. Control cupboard (not presented on the illustration) of the hydraulic power generator with magneto-thermal overload protection, programmable control system with visual status display of all sensors (to be fixed to the hydraulic system. See plan available on request). The RSB76H is operated by a 3-push button box (open - stop - close)

5. Hydraulic power unit (not presented on the illustration), to be placed in a separate booth containing:

- motor unit,
- hydraulic pump,
- oil accumulator,
- oil tank,
- filter with plug and oil gauge,
- two hydraulic valves,
- manometer,
- pressure regulator and one security valve
- Oil collecting tank

6. Two-colour, unidirectional traffic light (green/red) delivered with wall mounted brackets.

7. Duct linking the barrier to the power generator. The basic equipment includes 4 flexible hoses of 5m. Longer lengths are available as an option (up to 15 m)

8. Access to hydraulic rams and position sensors for maintenance is provided through the obstacle's checker steel plate.

Technical characteristics

Impact resistance : DOD K4 (it stops a 6,8 Tons vehicle at a speed of 48 km/h);calculated numerically (FEM).

Height of raised obstacle: 665mm.

Widths of obstacle: 3000, 3500 & 4000 mm

Dimensions of power unit: width: 1000 mm
height: 1200 mm
depth: 520 mm

Dimensions of control cupboard: width: 600 mm
height: 600 mm
depth: 210 mm

Power supply (power unit): 230/400V 3-phase
Power supply (cupboard): 230V single phase
Power consumption: max. 1,5 kW
Type of oil: 22 cSt
Operating temperature: -20°C to + 50°C
(Control cupboard to be kept in room between 0°C and 40°C)

Net weight of equipment: 1170 kg with a 3000 mm obstacle
1372 kg with a 3500 mm obstacle
1575 kg with a 4000 mm obstacle

Net weight (power unit): 150 kg
Net weight (control cupboard): 25 kg
Operating time: 3 secs
(depending on the oil temperature and the length of the sheaths between the group and the obstacle)

Maximum load allowed: 20 T per axle

Options

- Additional two-colour traffic light.
- Post to install traffic light(s) (standard AS model)
- Additional push button box.
- Additional hydraulic duct.
- Vehicle presence detector with inductive loop.
- Safety cell Transmitter / Receiver.
- UPS (emergency power supply for the control logic).
- Manual pump

Work to be provided by the customer

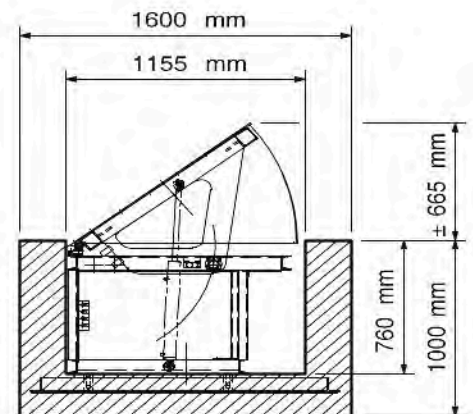
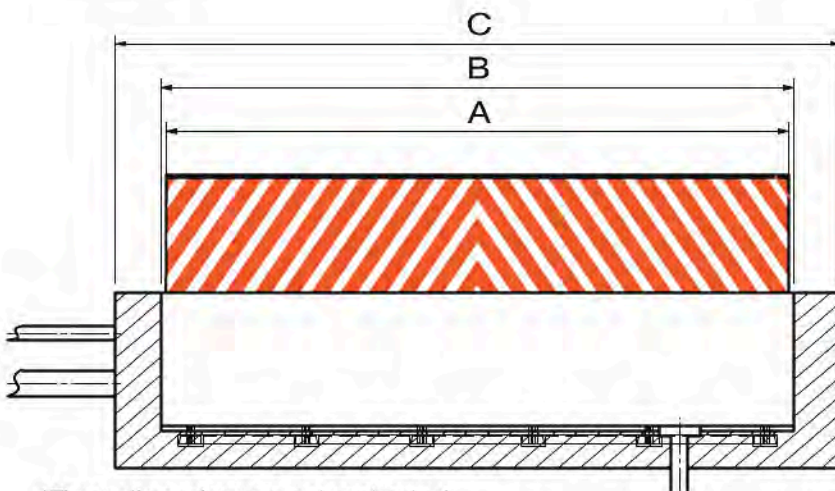
- 230/400V 3-phase power supply (10A + N + GND) to the power generator.
- 230V single phase power supply to the control cupboard.
- Electrical connection wiring between the control cupboard, the traffic light(s) and the position sensors.
- Reinforced concrete pit with rainwater drainage and sealing template installation (3)
- Installation of hydraulic ducts between the pit and the power generator unit.

Overall dimensions of pit by width of obstacle

Dimension "A"	3000 mm	3500 mm	4000 mm
Dimension "B"	3050 mm	3550 mm	4050 mm
Dimension "C"	3500 mm	4000 mm	4500 mm

Dimensions*

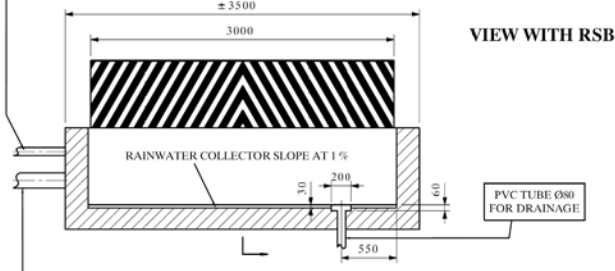
Foundation



*These dimensions are not contractual.

Our dealer

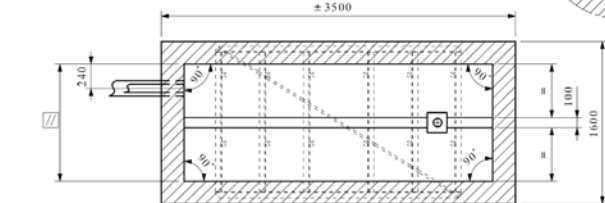
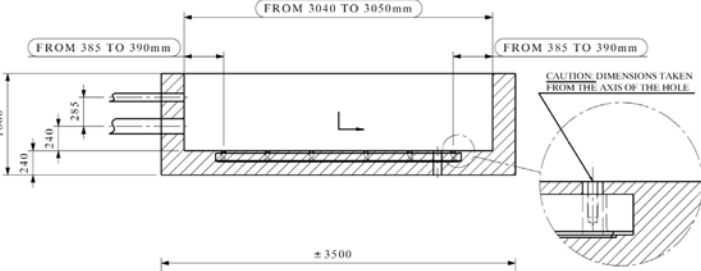
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75²



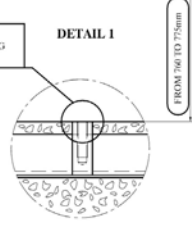
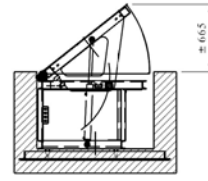
VIEW WITH RSB

PVC TUBE Ø150:
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5²
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5²
TO CONTROL BOX

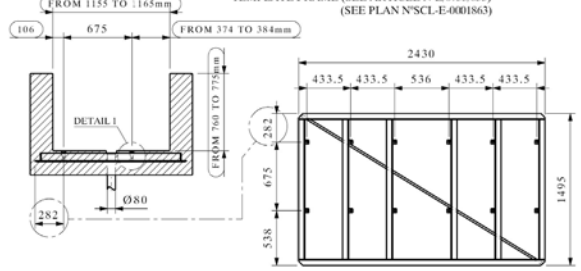
VIEW WITHOUT RSB



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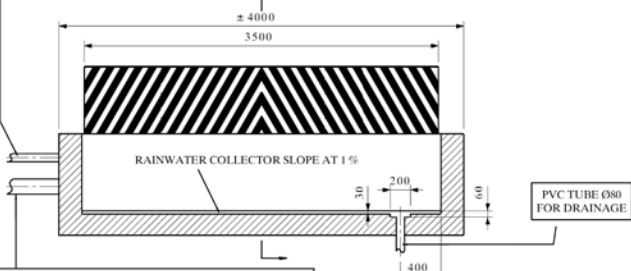


FOR INFORMATION:
TEMPLATE FRAME (SEE ARTICLE N°E0733033)
(SEE PLAN N°SCL-E-0001863)



INDICE : ANWÄNDUNG : DESIGNATION : BESTEMMING :	MODIFICATIONS : WÄNDIGUNGEN :	PAR : DOOR :	DATE : DATUM :
INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC (1 JACK)			
CLIENT : KLANT :			
LENGTH 3000			
DESSINE : GETEKEND :	DATE : DATUM :	N° DOSSIER : N° DOSSIER :	
CF	07/09/2004	*****	
VERIFIE : NAGEZIEEN :	ECHELLE : SCHAAL :	PLAN N° : PLAN N° :	
JPDG	1/25	CH5787-gb	

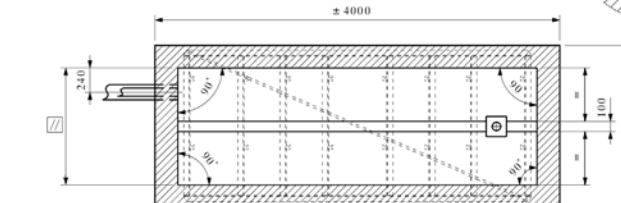
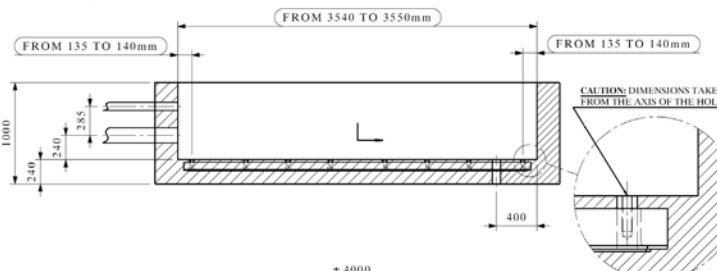
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75²



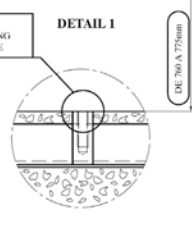
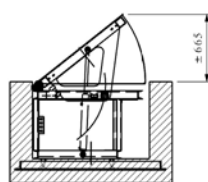
VIEW WITH RSB

PVC TUBE Ø150:
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5²
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5²
TO CONTROL BOX

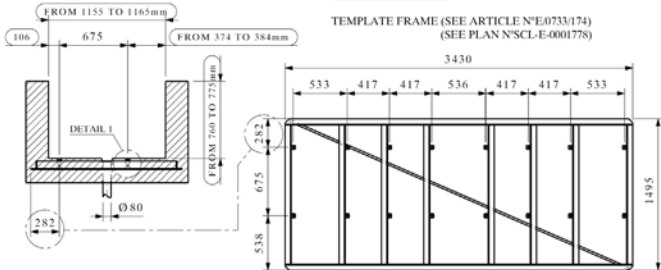
VIEW WITHOUT RSB



PLEASE DO RESPECT THE FIGURES SURROUNDED BY A CIRCLE



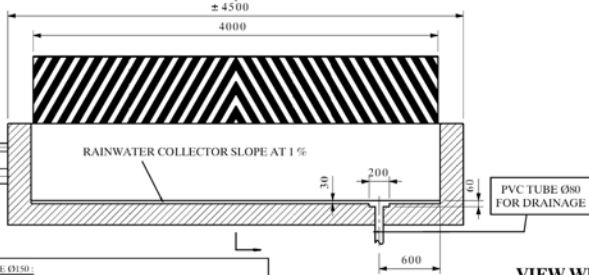
FOR INFORMATION:
TEMPLATE FRAME (SEE ARTICLE N°E0733174)
(SEE PLAN N°SCL-E-0001778)



INDICE : ANWÄNDUNG : DESIGNATION : BESTEMMING :	MODIFICATIONS : WÄNDIGUNGEN :	PAR : DOOR :	DATE : DATUM :
INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC			
CLIENT : KLANT :			
LENGTH 3500			
DESSINE : GETEKEND :	DATE : DATUM :	N° DOSSIER : N° DOSSIER :	
CF	08/09/2004	*****	
VERIFIE : NAGEZIEEN :	ECHELLE : SCHAAL :	PLAN N° : PLAN N° :	
JPDG	1/25	CH5789-gb	

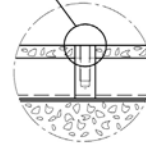
PVC TUBE Ø80 TO HYDRAULIC GROUP OR CONTROL BOX
1 SHIELDED CABLE FOR CONTROLLING THE RSB: TYPE LYCY 10 x 0,75 2

VIEW WITH RSB



CAUTION:
PROTECT THE FRAME FIXING
HOLES AGAINST CONCRETE.

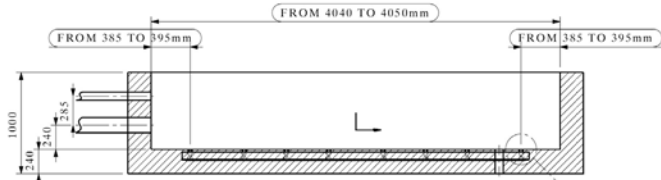
DETAIL 1



FROM 700 TO 775mm

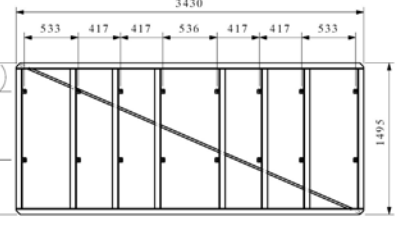
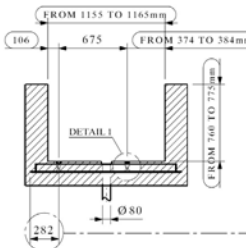
PVC TUBE Ø150
HYDRAULIC RSB: 4 HYDRAULIC HOSES TO HYDRAULIC GROUP
ELECTRIC RSB:
1 SHIELDED CABLE FOR MOTOR CONTROL: TYPE LYCY 4G 2,5 2
1 SHIELDED CABLE FOR BRAKING CONTROL: TYPE LYCY 3G 2,5 2
TO CONTROL BOX.

VIEW WITHOUT RSB



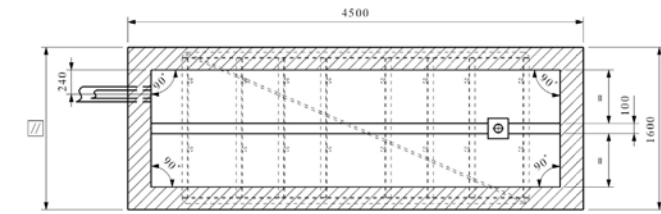
FOR INFORMATION:

TEMPLATE FRAME (SEE ARTICLE N°E0733174)
(SEE PLAN N°SCL-E-0001778)



See dimensions and drawings
attached.
Do not change on paper or
in field.
We can measure on site
with laser spirit level.

CAUTION: DIMENSIONS TAKEN
FROM THE AXIS OF THE HOLE.






PLEASE DO RESPECT THE FIGURES SURROUNDED BY A CIRCLE

INDICE :	MODIFICATIONS :	PAR :	DATE :
ANWILZUNG :	WÄNDIGUNGEN :	DOOR :	DATUM :
DESIGNATION :	INSTALLATION R.S.B. 76 HYDRAULIC/ELECTRIC		
BESTEMMING :	LENGTH 4000		
CLIENT :			
KLANT :			
Salmatic	DESSEINE :	DATE :	N° DOSSIER :
	GETEKEND :	DATUM :	N° DOSSIER :
	CF	08/09/2004	****
	VERIFIE :	ECHELLE :	PLAN N° :
NAGEZEN :	SCHAAL :	PLAN N° :	
JPDG	1/25	CH5791-gb	

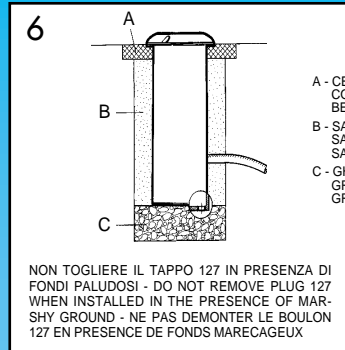
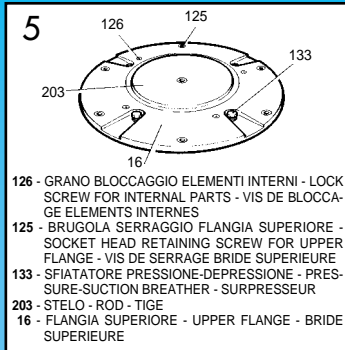
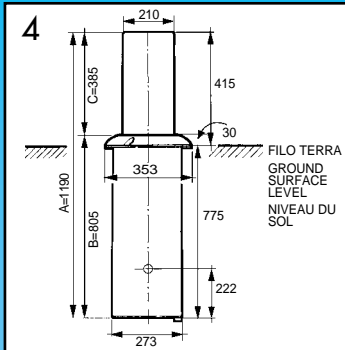
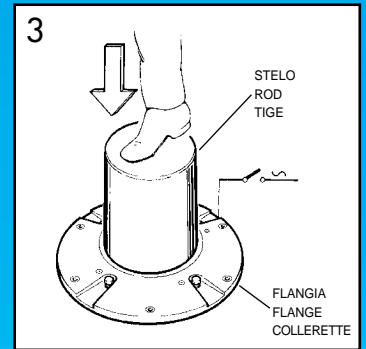
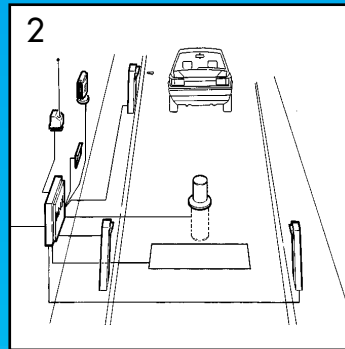
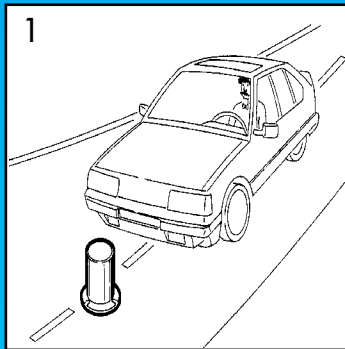
BARRAMATIC


AUTOSTOP DAKOTA

-  Colonna motorizzata saliscendi
-  Automated rising post
-  Borne automatique rétractable en sol




AUTOSTOP DAKOTA




 Il dissuasore di sosta o di traffico (fig.1) è stato progettato per effettuare il presidio personalizzato di aree di sosta. È interrato al suolo (fig.6) e non interferisce con l'ambiente. Può essere impiegato nei parcheggi e in alternativa alle barriere tradizionali. Operatore robusto ed autobloccante studiato per essere un ostacolo invalicabile per qualsiasi veicolo. Viene prodotto in 2 differenti velocità di manovra: DAKOTA N/CB ac. velocità 11 sec. DAKOTA R/CB ac. velocità 5 sec.

- In mancanza di corrente la manovra manuale si effettua esercitando una pressione sullo stelo (fig.3).
- Frizione registrabile.

 This parking/transit dissuading, automated rising post (fig.1) has been designed for a positive effective patrol of parking lots. Its underground setting (fig.6) does not interfere with environment. It can be used in parking lots, or in alternative as a traditional barrier. Sturdy and self-locking sunken post can be an insurmountable obstacle for any vehicle. It comes in 2 different maneuver speeds: DAKOTA N/CB, velocity 11 s. DAKOTA R/CB, velocity 5 s.

- In case of black-out, maneuver can be done pushing with feet on shaft (fig.3).
- Adjustable clutch.

 Les dissuasoir de stationnement ou de trafic (fig.1) a été conçu pour effectuer une préservation personnalisée des zones de stationnement. Il est rétractable en sol (fig.6) et ne détériore pas l'environnement. Il peut être utilisé dans les parkings et comme alternative aux barrières traditionnelles. Opérateur robuste et autobloquant, il a été étudié pour être un obstacle infranchissable à tous les types de véhicules. Il est proposé en 2 vitesses de manoeuvre différentes: DAKOTA N/CB ac. vitesse 11 sec. DAKOTA R/CB ac. vitesse 5 sec.

- En cas d'absence de courant on effectue la manoeuvre manuelle en exerçant une pression sur la tige (fig.3).
- Embrayage enregistrable.

CARATTERISTICHE TECNICHE	TECHNICAL DETAILS	DONNÉES TECHNIQUES	AUTOSTOP DAKOTA
Tensione e freq. di aliment.	Power supply	Tension et fréquence d'alimentation	230V/50-60 Hz
Potenza e corrente assorbita	Current and power absorption	Puissance et courant absorbé	180 W/0,8A
Condensatore	Capacitor	Condensateur	6,3 MF/450V.
Avvolgimento in bagno d'olio	Winding oil bath	Bobinage en bain d'huile	Si, Yes, Oui
N° max di manovre per ora	Operations per hour	N° max de manoeuvres heure	60
Forza di trazione e spinta max	Pull/thrust force	Force de traction et poussée	Da 0 a 200 da N (kg.)
Velocità motore elettrico	Electric motor speed	Vitesse moteur électrique	2800 giri min/RPM/TM
Frizione meccanica registrabile	Adjustable mechanical clutch	Embrayage enregistrable	Si, Yes, Oui
Fine corsa	Limit switch	Fin de course	Timer
Autobloccante a 1/2 elettrofreno	Self locking electric brake	Autobloquant par électro-frein	50V. ac IP67
Temperatura di esercizio	Operating temperature	Temperature de fonctionnement	-15°+60°C.
Grado di protezione motoriduttore	Protection rating motoreducer	Degré de protection moteréducteur	IP 66
Grado di protezione struttura	Protection rating structure	Degré de protection structure	IP 45
Peso sostenuto	Max weight loaded	Max poids soutenu	400 da N (kg.)
Olio di lubrificazione	Lubricating oil	Huile de lubrification	Shell tellus oil T15 ISO 15
Velocità uscita stelo (N)	Actuator rod speed (N)	Vitesse de la tige (N)	35 mm/sec. Dakota N
Velocità uscita stelo (R)	Actuator rod speed (R)	Vitesse de la tige (R)	79 mm/sec. Dakota R
Tempo corsa stelo (N)	Actuator rod stroke time (N)	Temps course de la tige (N)	11 sec. Dakota N
Tempo corsa stelo (R)	Actuator rod stroke time (R)	Temps course de la tige (R)	5 sec. Dakota R
Colore rosso/bianco	Color white/red	Couleur rouge/blanc	Dakota N
Colore grigio	Color grey	Couleur gris	Dakota R
A - Ingombro totale aperto (fig.4)	A - Dimension Dakota opened	A - Encombrement total ouvert	1190 mm.
B - Ingombro totale chiuso (fig.4)	B - Dimension Dakota closed	B - Encombrement total fermé	805 mm.
C - Corsa (fig.4)	C - Actuator rod stroke	C - Course de la tige	385 mm.

Distributore - Distributor - Distributeur

saimatic srl

Via dei Gonzaga, 147 - 00163 Roma - Italy
Tel. +39-0666141555 r.a. - Fax +39-0666154762

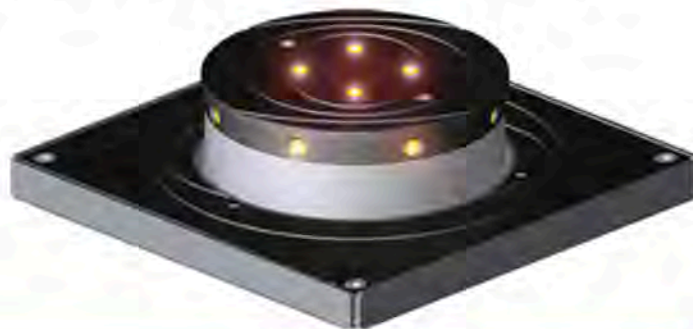
E-mail: saimatic@mclink.it

salmatic® srl

Frutto di studi, prove, test e progetti, DAKOTA nel corso del tempo è stato riconosciuto uno dei prodotti migliori, nella sua categoria, sul mercato mondiale. A prova di ciò, le centinaia di referenze ottenute in 20 anni di storia.

I più di 50.000 pezzi venduti in tutti il mondo ci hanno permesso di capire e approfondire le peculiarità che un prodotto di questo tipo deve assolutamente avere. Dalla completa protezione agli agenti atmosferici, affidabilità, qualità dei materiali (completamente assemblato da componenti di provenienza europea), alta resistenza ad urti e temperature, segnalazioni acustiche e luminose integrate.

Da questi preziosissimi dati, nasce il nuovo progetto di restyling "DAKOTA" il quale, oltre a mantenere tutte le peculiarità che il tempo e l'esperienza ci hanno suggerito, presenta alcune nuove e notevoli migliorie.



PUNTI DI FORZA:

✓ **INSTALLAZIONE SEMPLIFICATA**

Grazie ai numerosi accorgimenti tecnici adottati durante la fase di progettazione, il nuovo DAKOTA presenta parecchie caratteristiche che ne facilitano sia l'installazione che il cablaggio

✓ **DESIGN RINNOVATO**

Design pensato, progettato e realizzato per rendere l'oggetto perfettamente integrabile nell'ambiente urbano oltre che in quello privato grazie alla nuova flangia di geometria quadrata e al nuovo disegno di sicuro impatto estetico

✓ **PRESTAZIONI INVARIATE ROBUSTEZZA MIGLIORATA**

Il nuovo DAKOTA ~~elettromeccanico~~, non ha subito alcuna variazione a livello di prestazioni anzi, questo nuovo modello porta steli di diametro ancora più grande 219 mm

✓ **NUOVO SISTEMA ANTI DETRITI**

La parte terminale dello stelo (cappello luci) e il sistema di guarnizione anti - detriti della flangia sono stati progettati in maniera tale da ridurre quasi dell'80% l'intrusione di detriti all'interno della camicia a stelo aperto ↓

CENTRALE DI COMANDO:



Centrale di comando monofase 230Vac 50Hz specifica per il comando dei dissuasori. Logica di comando per la gestione dei passi carrai chiusi da dissuasori e controllati in via remota. Funzionamento automatico - semiautomatico - uomo presente. Estremamente affidabile e dotata di componentistica selezionata e sovradimensionata per gestire utilizzi in condizioni particolarmente intensive e condizioni climatiche estreme. Gestione di 4 dissuasori comandabili contemporaneamente. Rallentamento a fine manovra e tempo di richiusura automatica regolabile con possibilità di regolare il tempo di preallarme e di preallarme acustico prima della richiusura del dissuasore. Uscite per gestione semaforica, resistenza riscaldante, antifurto e ingresso per soccorritore elettrico anti Black-out "BATT-US"



DETTAGLI:



Nuovo cappello stelo con geometria conica e "Circuito luci a led, sia assiali che radiali, completamente resinato all'interno del cappello (IP67) più segnalatore acustico (buzzer) integrato. Disponibile anche nella versione senza luci e buzzer"

Grazie alla nuova geometria quadrata della flangia e al nuovo design estetico, rendono il dissuasore perfettamente integrabile in qualsiasi ambiente urbano oltre che privato

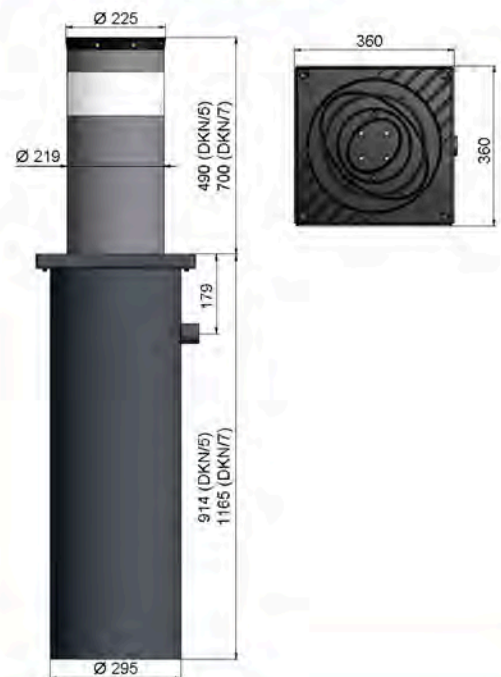


"Nuova guarnizione flangia speciale in gomma EPDM con eccellenti capacità di resistenza a tempo ed usura oltre che garantire una perfetta tenuta ai detriti con stelo aperto ↓"

ALCUNI DETTAGLI TECNICI:

- ⦿ Tensione di alimentazione 230 Vac
- ⦿ Tempi di apertura 6 secondi H:500 mm e 9 secondi H:700 mm
- ⦿ Grado di protezione IP 67
- ⦿ Temperatura di esercizio da -30 °C a + 60 °C
- ⦿ Stelo in ferro o in acciaio inox con spessore stelo 6 mm Ø 219 mm
- ⦿ Centrale di comando esterna mod. CDK-US o CDS in grado di gestire fino a 4 dissuasori
- ⦿ Manovra a mano di emergenza effettuabile togliendo l'alimentazione
- ⦿ Tipologia di utilizzo intensivo 1.500 manovre al giorno

INGOMBRI:



ACCESSORI COMPATIBILI:



Armadio stradale modulare con pannello in lamiera accessorabile con dispositivi di comando e in grado di contenere fino a 2 centrali di comando

Pannello in ferro per predisposizione semaforo a 2 o 3 luci



Batterie di soccorso elettrico in caso di black-out



Lanterne semaforiche a 2 o 3 luci led omologate



Kit antifurto per dissuasori DAKOTA



Rilevatore acustico di sirene. Permette al dissuasore di movimentarsi al riconoscimento della sirena



Spire magnetiche



Pulsante di emergenza con vetrino a rottura



Riscaldatore elettrico motore dissuasori adatto climi estremamente rigidi



Rilevatore di masse metalliche a 2 canali

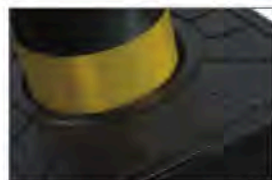
Non esitate a contattarci per ulteriori informazioni sul prodotto.

DISSUASORI AUTOMATICI MULTIUSO STANDARD "EASY"

EASY Ø115/500

EASY Ø200/700

Economicità e qualità. Queste sono le radici dei nuovi dissuasori EASY. Nati dopo un'attenta indagine di mercato, uno studio approfondito sulle tecniche di montaggio e realizzazione dei particolari, i quali hanno permesso la creazione di un dissuasore semplice, che risponde alle esigenze del cliente e non trascura quei requisiti di qualità che hanno sempre distinto i prodotti. Il tutto ad un prezzo concorrenziale. EASY viene prodotto in due modelli: il primo, EASY Ø115-500, porta uno stelo di diametro Ø115 mm alto 500 mm, non ha cappello luminoso ed è provvisto di striscia retroriflettente. Il secondo, EASY Ø200-700, porta uno stelo di diametro Ø200 mm alto 700 mm, ha il cappello luminoso ed è provvisto di striscia retroriflettente.



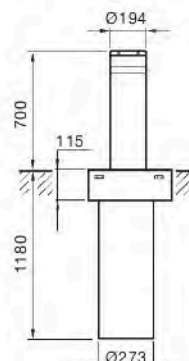
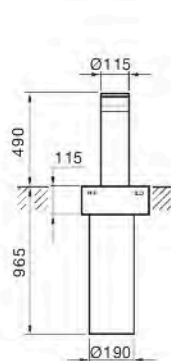
Striscia retroriflettente H: 50 mm su stelo in acciaio color' RAL 7022



Striscia retroriflettente H: 50 mm e stelo in acciaio color' RAL 7022 con cappello luci LED ad alto potere visivo.



EASY Ø115/500



EASY Ø200/700

EASY Ø 115/500

TENSIONE DI ALIMENTAZIONE	230V±10% 50/60 Hz
MANOVRA A MANO	Manuale
CENTRALINA ESTERNA	mod. CDK-ES
TIPOLOGIA DI LAVORO	Max. 500 manovre/giorno
TEMPO DI SALITA	7"
GRADO DI PROTEZIONE	IP 67
CARICO DINAMICO (CRASH-TEST)	6.000 JOULE*
RESISTENZA ALLO SFONDAMENTO	70.000 JOULE
TEMPERATURA DI ESERCIZIO	-20°C +60°C
MOVIMENTAZIONE	Con rallentamento a finecorsa

EASY Ø 200/700

TENSIONE DI ALIMENTAZIONE	230V±10% 50/60 Hz
MANOVRA A MANO	Manuale
CENTRALINA ESTERNA	mod. CDK-ES
TIPOLOGIA DI LAVORO	Max. 500 manovre/giorno
TEMPO DI SALITA	9"
GRADO DI PROTEZIONE	IP 67
CARICO DINAMICO (CRASH-TEST)	10.000 JOULE*
RESISTENZA ALLO SFONDAMENTO	250.000 JOULE
TEMPERATURA DI ESERCIZIO	-20°C +60°C
MOVIMENTAZIONE	Con rallentamento a finecorsa

JOULE*: Energia sviluppata nell'impatto di un veicolo
(esempio: un veicolo di 1.000 Kg a 50 km/h sviluppa una energia all'impatto di ~ 100.000 joule)

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