NINGBO VICHNET TECHNOLOGY CO., LTD



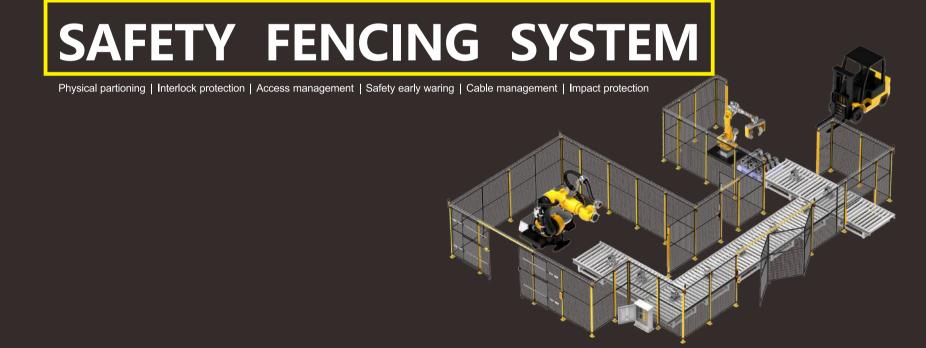


Scan the QR code to access more information on our official website

Tel: +86 13094835367 Fax: +86-574-87911327 Email:exporter@vichnet.cn

Office Add: 10F Building 7, Smart Park, Hi-tech Zone, Ningbo City, China Factory Add: No.329 Jiangbin Road, Beilun District, Ningbo City, China



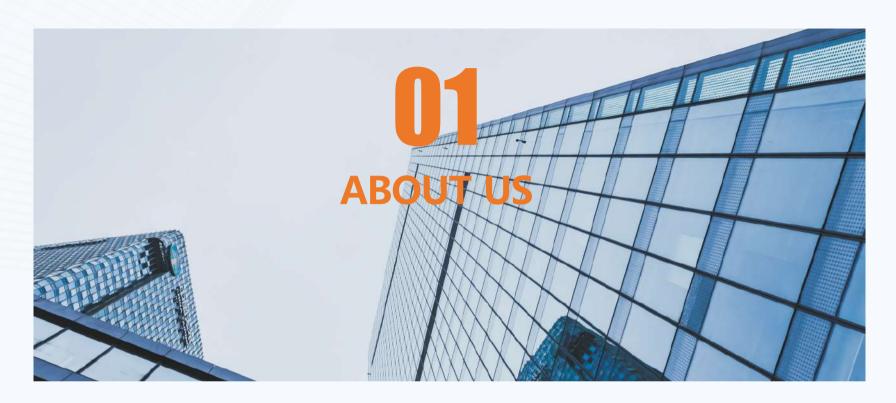


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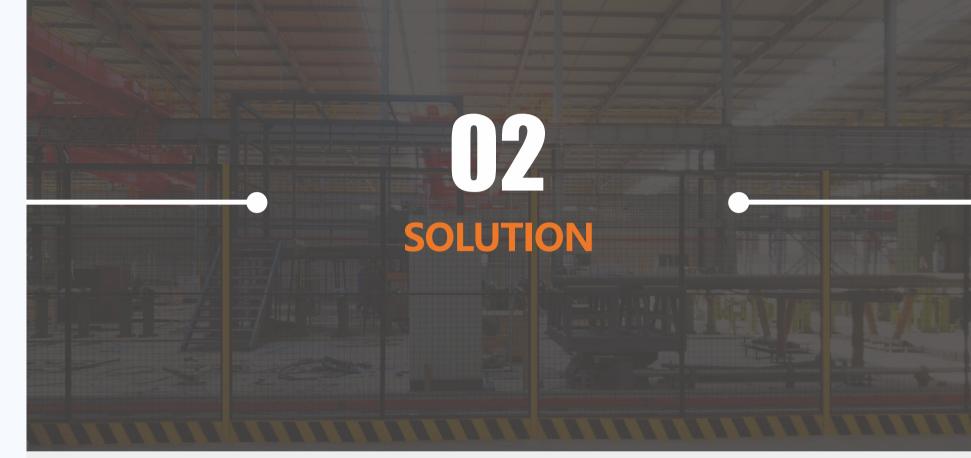
NINGBO VICHNET TECHNOLOGY CO., LTD

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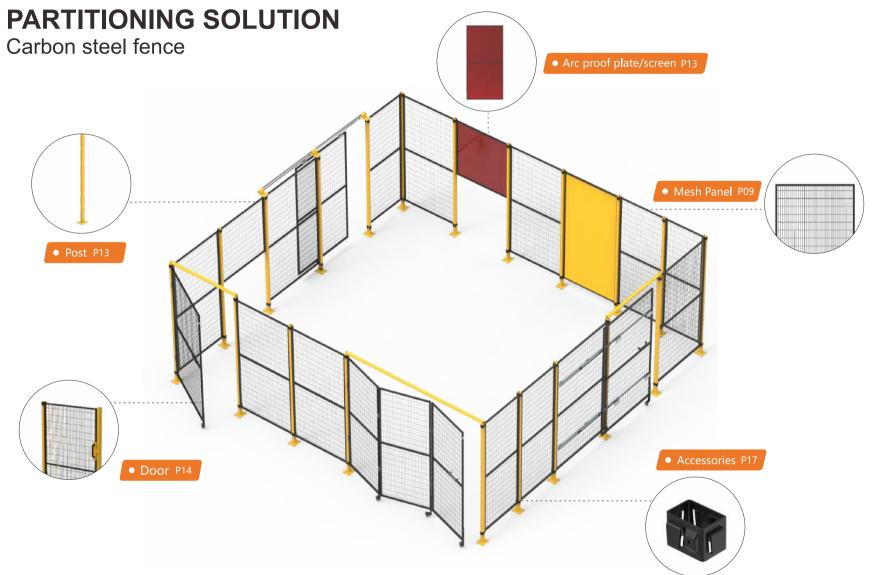
Ningbo Vichnet Technology Co., Ltd was established in 2006. Vichnet is a national high-tech enterprise committed to the development, manufacturing and sales of intelligent safety protection systems. We provide customers with comprehensive solutions such as physical isolation, interlocking protection, permission management, security warning, cable management, and elastic collision prevention. We have obtained ISO9001, ISO14001, ISO45001, CE, UL, CUL, E90 certifications. We have also participated in the formulation of a number of national and group standards for warehouse logistics, food machinery and communication engineering. Our client base is from more than 100 countries and regions. Our intelligent fence protection systems and cable management systems are widely used by famous enterprises at home and abroad, such as BMW, Tesla, Siemens, China State Shipbuilding Corporation(CSSC), CRRC, China Railway, Huawei, Tencent, Alibaba, etc.



Total Solution for Safety Protection

Partitioning Solutions
Access Management Solutions
Cable Management Solutions

Interlocking Protective Solutions
Safety Early Warning Solutions
Impact Protection Solutions





Zero tolerance for quality flaws



1.5mm thick mesh panel frame



V-groove made on one side of the square tube, so that the metal wire can be welded on two points to improve weld joint strength.



Two fixing methods are available on demand. Distance between mesh panel and ground is adjustable for flexible installation.

PRODUCT ADVANTAGE



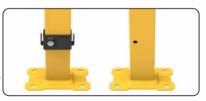
Robot welding, allows for robust, uniform welding on non-contact surface.



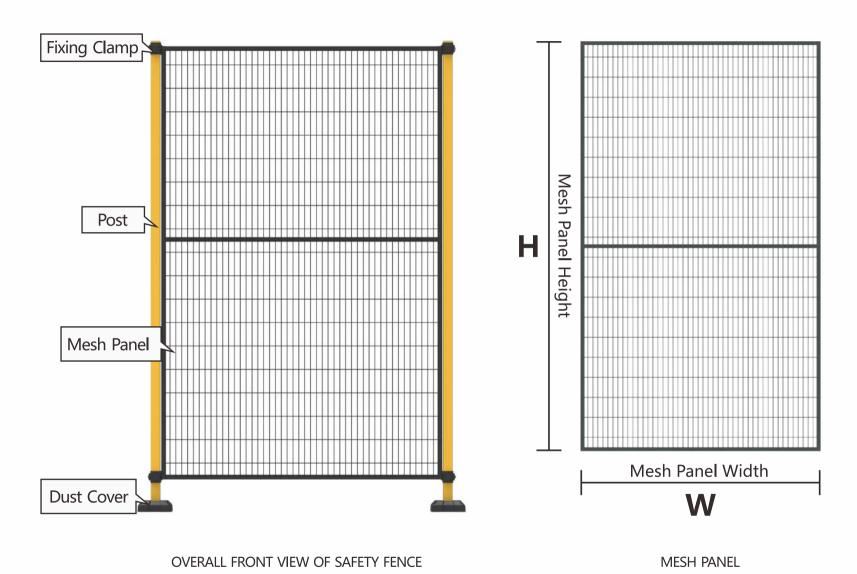
Metal wires are welded flat onto the frame without burr to prevent scratches and injuries.



Uniform powder coating has been tested by SGS. Powder coating is in accordance with the RoHS Directive.



Two limiting holes on both sides of the post allow the bolt to go across the post, ensuring stronger impact resistance. Pre-drilled limiting holes makes positioning accurate, installation easy and mounting height unified.





SPECIFICATIONS

Model	Mesh Panel Height(н)	Mesh Panel Width(w)	Mesh Aperture	Diameter	Product Color
KKGD-HxW-20x100x3.0-BLK	200≤H≤2200	100≤W≤1500	20x100	3.0/4.0	black / yellow
KKGD-HxW-25x100x3.0-BLK	200≤H≤3000	100≤W≤1400	25x100	3.0/4.0	black / yellow

单位/unit: mm

MESH PANEL

PRODUCT: MESH PANEL

MESH APERTURE: 20x100 / 25x100

FRAME SIZE: 20mmx30mmx1.5mm / 1.2mm

WIRE DIAMETER: 3.0mm / 4.0mm GROUND CLEARANCE: 140mm

SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Yellow(RAL1023), Black(RAL9005)

HIGH SAFETY:

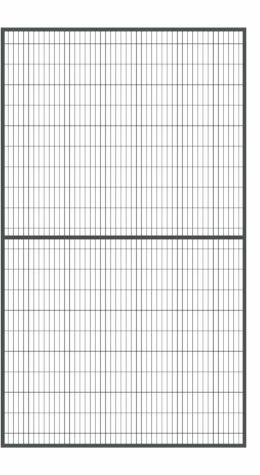
- 1. Impact protection design in line with European standards.
- 2. Horizontal wire welded on the inside and the vertical wire on the outside, to prevent climbing from outside.
- 3. Metal wires are welded flat onto the frame without sharp edges to prevent scratches and injuries.

STRONG WELDING:

- 1. Weld with intermediate frequency welder.
- 2. Stiffener design enhances strength.
- 3. Metal wires are welded flat onto the frame to expand contact area and enhance strength.

LONG-TERM ANTIRUST:

Our twice acid washing and phosphating finishing technique creates a protective layer before powder coating to enhance rust resistance.



unit: mm

MESH PANEL REGULAR SPECIFICATIONS

Model	Mesh Panel Height(H)	Mesh Panel Width(W)	Mesh Aperture	Diameter	Product Color
KKGD-1850x200-20x100x3.0-BLK	1850	200	20x100	3	black / yellow
KKGD-1850x300-20x100x3.0-BLK	1850	300	20x100	3	black / yellow
KKGD-1850x400-20x100x3.0-BLK	1850	400	20x100	3	black / yellow
KKGD-1850x800-20x100x3.0-BLK	1850	800	20x100	3	black / yellow
KKGD-1850x900-20x100x3.0-BLK	1850	900	20x100	3	black / yellow
KKGD-1850x1000-20x100x3.0-BLK	1850	1000	20x100	3	black / yellow
KKGD-1850x1200-20x100x3.0-BLK	1850	1200	20x100	3	black / yellow
KKGD-1850x1400-20x100x3.0-BLK	1850	1400	20x100	3	black / yellow

COLOR MANAGEMENT

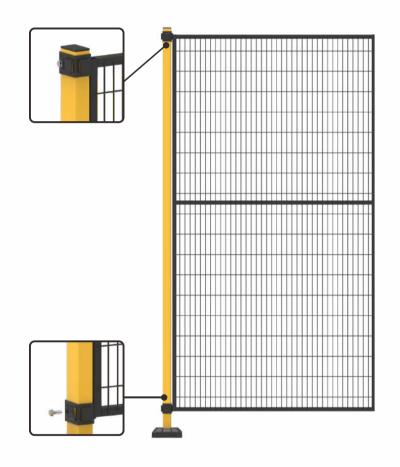
YELLOW RAL1023 PLACK RAL9005 WELLOW RAL1018 GREY RAL7035

Other colors can be customized

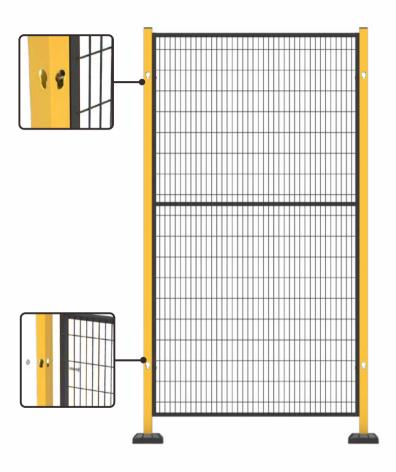
COLOR MANAGEMENT PRINCIPLES IN THE INDUSTRIAL SCENE

- 1. For scenes that require good visibility and no interference with effective supervision, such as around robotic arms, black or gray mesh panels will be more suitable choices.
- 2. For scenes that require safety warning, such as around dangerous furnaces, yellow or red mesh panels will be more suitable choices.
- 3. Without visibility or warning requirements, you can choose colors according to aesthetic preferences.

INSTALLATION METHODS



FIXING CLAMP INSTALLATION



Easy-Connect Fence Installation Renderings

POST

PRODUCT: POST

POST SIZE: 40x60x2.0 / 60x60x2.0

40x60x1.5 / 60x60x1.5

OVERALL HEIGHT: 1000mm-3000mm SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Yellow(RAL1023), Black(RAL9005)

FUNCTION: Set up frames, fix positions, and connect mesh panels.

TWO OPTIONS:

1. Fix mesh panel with the upper and lower clamps. Limiting hole is used to fix the lower clamp.

2. Easy-Connect model, directly fixed with bolts.

MESH PANEL SELECTIONS

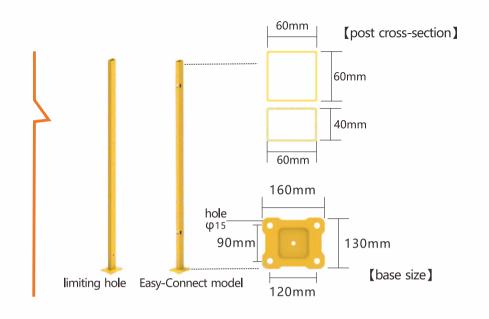
PRODUCT: ARC PROOF PLATE / SCREEN

PRODUCT COLOR: Dark green, orange yellow, bright red, yellow, black, light tea transparent, deep tea transparent, etc.

THICKNESS: 3mm / 4mm

TRANSPARENCY: Clear Transparent

HIGH-LIGHTS: Beautiful and tidy, with protective isolation, anti-arc light.





PRODUCT: POLYCARBONATE SHEET

PRODUCT COLOR: Red, orange, yellow, green, cyan, blue (light blue/royal blue/lake blue), purple, pink, light smoke Grey, medium grey, dark grey, fluorescent yellow, fluorescent red, fluorescent green, black tea, milky white (opaque tube), etc.

THICKNESS: 3mm

TRANSPARENCY: Clear Transparent

HIGH-LIGHTS: Beautiful and tidy, with protective isolation, making it easy to

observe the machine processing.

DOOR

PRODUCT: SINGLE HINGED DOOR

PRODUCT MODEL: DM01-MAX1400

HEIGHT: 1500mm-3000mm MAXIMUM WIDTH: 1500mm

SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Black(RAL9005), Yellow(RAL1023)

LOCK: Simple bolt lock (type A), Simple bolt lock (type B), Jimmy proof lock, mechanical lock (type A).

ACCESSORIES: Hinge kit, lock kit, support wheel kit, handle kit, top frame kit.

TOP FRAME: Optional

DESP: The door can be made of wire mesh panel or steel plate. The safe lock with integrated switch is an optional feature to reinforce the protection provided by the mechanical lock.



PRODUCT: DOUBLE FOLDING DOOR

PRODUCT MODEL: SM06-MAX4000

HEIGHT: 1500mm-3000mm MAXIMUM WIDTH: 4000mm

SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Black(RAL9005), Yellow(RAL1023)

LOCK: Simple bolt lock (type A), Simple bolt lock (type B), Jimmy proof lock

ACCESSORIES: Hinge kit, lock kit, support wheel kit, limiting kit, handle kit, top

frame kit.

TOP FRAME: Optional

DESP: Double folding doors can have customized opening sizes of 1500mm-

4000mm, the safety lock with integrated switch is optional.

PRODUCT: SLIDING DOOR WITH GUIDE RAIL

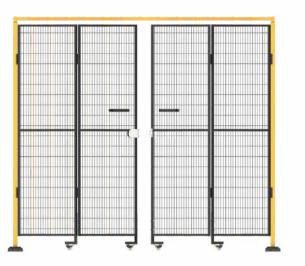
PRODUCT COLOR: Black(RAL9005), Yellow(RAL1023)

LOCK: Sliding door lock

ACCESSORIES: Strut channel kit, limiting kit, support wheel kit, handle kit, top

frame kit, lock kit.

4000mm, the safety lock with integrated switch is optional.



PRODUCT MODEL: DM07-MAX3000

HEIGHT: 1500mm-3000mm MAXIMUM WIDTH: 3000mm

SURFACE TREATMENT: Powder coating

TOP FRAME: Optional

DESP: Sliding door with rail can have customized opening sizes of 1500mm-



PRODUCT: SINGLE GROUND SLIDING DOOR

PRODUCT MODEL: KKBJ-DTM-XWL-YLW-SET

HEIGHT: 1500mm-3000mm MAXIMUM WIDTH: 6000mm

SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Black(RAL9005), Yellow(RAL1023)

ACCESSORIES: Wheel kit *4, pulley assembly *2, post *4, mesh panel,

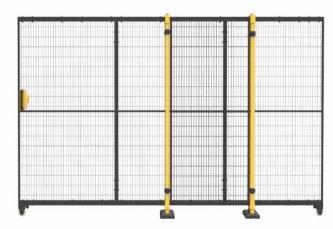
30x30 square pipe *2, shock pad *2, door handle *1.

LOCK: Mortise lock, Safety lock

TOP FRAME: N/A

DESP: Suitable for ultra wide door scenarios, it can be equipped with a motor and

can provide a simple safety lock with an integrated switch.



PRODUCT: DOUBLE GROUND SLIDING DOOR

PRODUCT MODEL: KKBJ-DTM-XWL-YLW-SET

HEIGHT: 1500mm-3000mm MAXIMUM WIDTH: 1200mm

SURFACE TREATMENT: Powder coating

PRODUCT COLOR: Black(RAL9005), Yellow(RAL1023)

ACCESSORIES: Wheel kit *8, pulley assembly *4, post *8, mesh panel,

30x30 square pipe *4, shock pad *4, door handle *2.

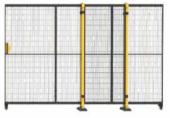
LOCK: Double Door Locks

TOP FRAME: N/A

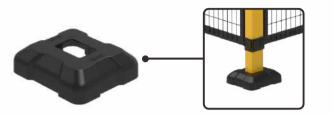
DESP: Suitable for ultra wide door scenarios, it can be equipped with a motor

and can provide a simple safety lock with an integrated switch.





ACCESSORIES



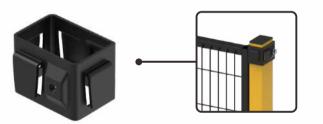
PRODUCT: POST PROTECTIVE COVER PRODUCT MODEL: KKPT-FHZ-40x60-BLK-SET

KKPT-FHZ-60x60-BLK-SET

MATERIAL: ABS

DESP: black, two pieces in each set ,used for the protection of post base plates.

FEATURE: anti-kick dustproof, Stylish easy to install.



PRODUCT: FRAME FIXING CLAMP

PRODUCT MODEL: KKPT-40x60-BLK-SET

KKPT-60x60-BLK-SET

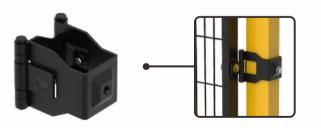
SURFACE TREATMENT: Electro galvanized, powder coating.

DESP: Fixes the panel into the correct position when assembling.

THICKNESS: 2.75mm

ACCESSORIES: Fixing clamp x 1; 8x12 flange bolt x 2.

FEATURES: Stylish, easy to install.



PRODUCT: COMBINED HINGE

PRODUCT MODEL: KKDR-HG-40x60-BLK-SET

KKDR-HG-60x60-BLK-SET

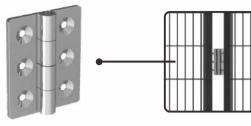
SURFACE TREATMENT: Electro galvanized, powder coating.

DESP: Connection fitting for hinged door.

THICKNESS: 2.5mm

ACCESSORIES: M8x35 countersunk bolt x 1; M8x30 flange bolt x 1;

M8x12 flange bolt x 2; M8 flange nut x 1.



PRODUCT: MESH PANEL DOOR HINGE

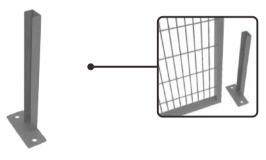
PRODUCT MODEL: KKDR-80-65-5.5-SET

DESP: Fixes the door post and mesh panel.

THICKNESS: 5.5mm

ACCESSORIES: M8x50 countersunk bolt x 6; M8 flange nut x 6.

FEATURES: Strengthful and cost-effective.



PRODUCT: POST LEG KIT

PRODUCT MODEL: KKPT-FT-BLK-SET

SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Fixes the door post and mesh panel.

THICKNESS: 2.0mm

ACCESSORIES: Post leg x 1; M10x70 anchor x 4.

FEATURES: Cost-effective and easy to install.



PRODUCT: SUPPORT WHEEL KIT

PRODUCT MODEL: KKDR-PLY-BLK-SET

SURFACE TREATMENT: Powder Coating (black/yellow)

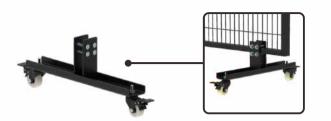
DESP: Supports moving doors.

THICKNESS: 2.0mm

ACCESSORIES: Support bracket x 1; brake caster x 1; M8x10 countersunk bolt x 2;

M8 flange nut x 3.

FEATURES: Easy to install, helps doors move.



PRODUCT: DOUBLE WHEEL FIXING KIT

PRODUCT MODEL: KKDR-FDFS-400-PC-SET

THICKNESS: 4.0mm

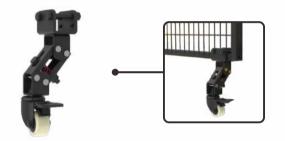
DESCRIPTION: Supports moving doors.

SURFACE TREATMENT: Powder coating (black/yellow)

ACCESSORIES: Double wheel fixing kit x 1, 8x55 flange bolt x 4, M8 flange nut x 4,

brake pu**ll**ey x 2.

FEATURE: Stable structure and convenient installation.



PRODUCT: BUFFER PULLEY

PRODUCT MODEL: KKDR-BDP120-160-BLK-SET

SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Pulley for uneven floor of doors

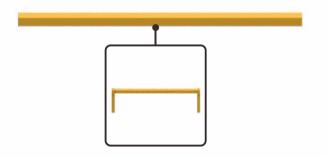
THICKNESS: 4.0mm

ACCESSORIES: Brake wheel x1, buffer mechanism x1, fixed mechanism x1

FEATURES: Through structural design, the movable mesh is well supported on uneven ground,

And it does not interfere with the column foundation, making installation convenient and

can be reversed at 90°.



PRODUCT: TOP FRAME

PRODUCT MODEL: KKDR-BEM-20x50x2000-YLW

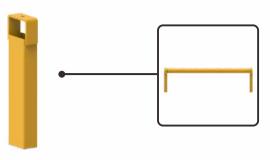
SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Mounted on two posts.

THICKNESS: 4.0mm; Square tube 1.5mm

ACCESSORIES: Top frame x 1.

FEATURES: Easy installation and strong connection.



PRODUCT: TOP FRAME FIXING KIT

PRODUCT MODEL: KKDR-FXS-YLW-SET

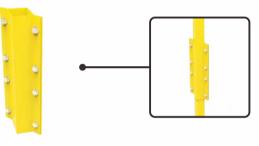
SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Fixes the post and the top frame.

THICKNESS: 3.0mm

ACCESSORIES: Top frame fixing kit x 1; M8x30 flange bolt x 1.

FEATURES: Strengthful and convenient to use.



PRODUCT: POST JOINT

PRODUCT MODEL: KKPT-CNT-YLW-SET

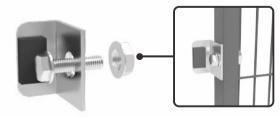
SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Connect posts for docking 40x60 or 60x60 columns.

THICKNESS: 3.0mm

ACCESSORIES: M8x20 flange bolt x 8; M8 flange nut x 8.

FEATURESS: Stylish and easy to install.



PRODUCT: DOOR STOPPER

PRODUCT MODEL: KKDR-STP-EZ

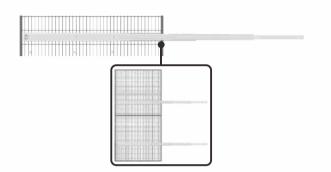
SURFACE TREATMENT: Electro galvanized

DESP: Used to align door with fence posts.

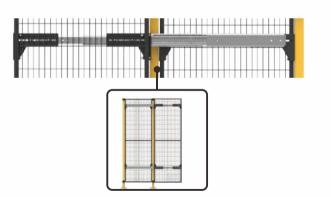
THICKNESS: 2.7mm

ACCESSORIES: Door stopper x 1; M8x30 countersunk bolt x 1; M8 flange nut x 1.

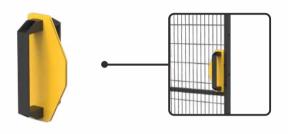
FEATURESS: Light and convenient.



PRODUCT: SLIDING RAIL PRODUCT MODEL: KKDR-SDW-76x1000-EZ SURFACE TREATMENT: Electro galvanized DESP: Used to move doors. THICKNESS: 2.5mm ACCESSORIES: Sliding rail x 2 FEATURES: Easy to install.



PRODUCT: GUIDE RAIL FASTENER SET
PRODUCT MODEL: KKBJ-SRT-BLK-SET
SURFACE TREATMENT: Powder coating (black/yellow)
DESP: For sliding doors
THICKNESS: 4mm
ACCESSORIES: Sliding rail x 2
FEATURES: Easy to install and can be stacked on both sides for installation.



PRODUCT: DOOR HANDLE SET

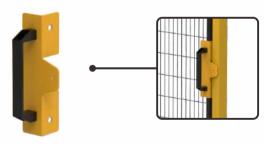
PRODUCT MODEL: KKDR-HDBJ-180-BLK-SET

SURFACE TREATMENT: Powder coating (black/yellow)

DESP: Used for door handles

ACCESSORIES: Door handle 180mm; M6x35 fat bolt x 2; M6 flange nut x 2

FEATURE: Easy to install and aesthetically pleasing, with handles on both sides for easy door opening.



PRODUCT: MAGNETIC DOOR HANDLE FIXING KIT
PRODUCT MODEL: KKDR-MX-DRK-A-YLW

SURFACE TREATMENT: Powder coating (black/yellow)

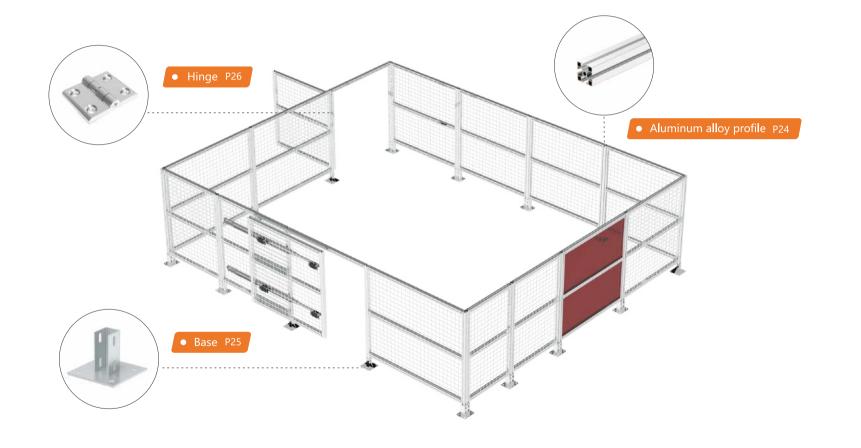
DESCRIPTION: Magnetic door handle for hinged doors.

ACCESSORIES: Door handle x 1, 6x25 fat bolt x 2, M6 flange nut x 2, fixing kit x 1, φ27x5 antiskid pad x 1, φ30x5 strong magnet x 1, M4 spherical nut x 1, 4x10 countersunk bolt x 1.

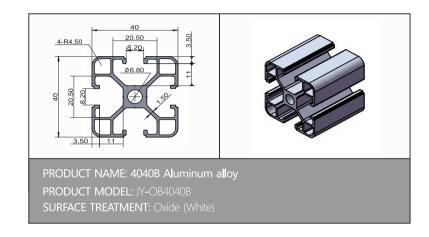
FEATURE: Simple structure, convenient installation, Cost-effective performance.

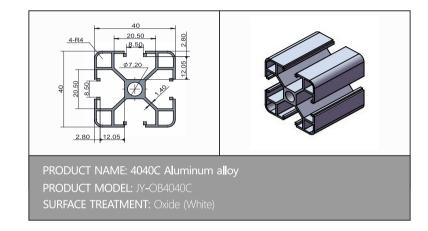
PARTITIONING SOLUTION

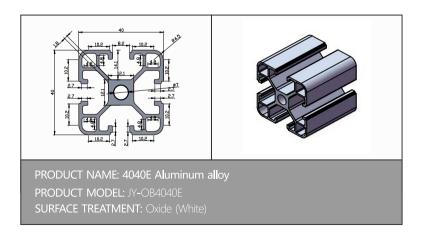
Aluminum alloy fence

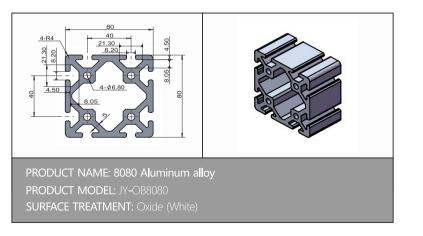


ALUMINUM ALLOY PROFILE











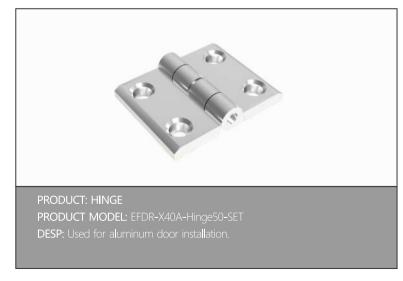




ACCESSORIES















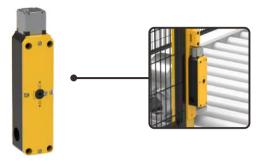
INTERLOCK PROTECTION SOLUTIONS

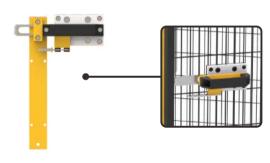


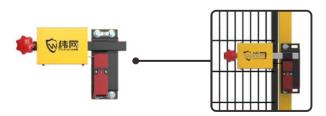
PRODUCT ADVANTAGE

Interlocking Protection Series

- 1 Safe, stable, reliable and less prone to error.
- 2 System and function can be castomized on demand.
- 3 Support device information exchange between devices to improve safety performance.







PRODUCT: SAFETY SWITCH

PRODUCT MODEL: KKCK-WCPZ-SFLOCK001

DESCRIPTION: A safety switch with safety lock function for gate position detection.

HOLDING FORCE: 1500N, contact: 4 normally closed, voltage: 24 V.

INTERLOCK CLASSIFICATIONS: Up to PLd.

ACCESSORIES: Bolt

OUTPUT: Dry contact.

PRODUCT: SAFETY DOOR BOLT

PRODUCT MODEL: KKCK-WCPZ-SFDRBT-SET

DESCRIPTION: Safety door bolt that can be used with safety switch.

SURFACE TREATMENT: Electro galvanized and power coating.

THICKNESS: 5.5mm

PRODUCT: SIMPLE BOLT LOCK (TYPE B)

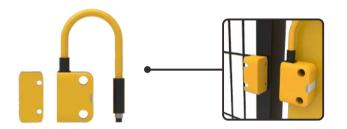
PRODUCT MODEL: KKCK-LCK-B-SET

DESCRIPTION: Door lock latch with optional Schneider safety switch which outputs signal

when plugging and unplugging.

SURFACE TREATMENT: Electro galvanized and power coating.

THICKNESS: 4mm



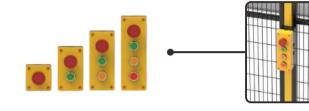
PRODUCT: MAGNETIC SAFETY SWITCH

PRODUCT MODEL: KKCK-WCPZ-SFLOCK003

DESCRIPTION: Non-contact magnetic switch; Effective induction distance: 10mm;

Output: 2NC; Safety interlock up to ISO 13849-1 PL= E.

OUTPUT: Dry contact

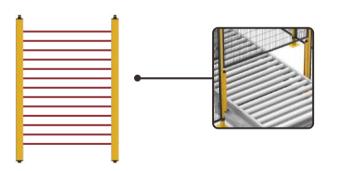


PRODUCT: BUTTON UNIT

PRODUCT MODEL: KKCK-TYX4-LA42-PD10G-J01-SET

DESCRIPTION: The button unit consists of a button box and illuminated buttons, with optional 1 hole, 2 holes, 3 holes, and 4 holes. The buttons are generally flatHead button (red, yellow, green) and emergency stop button.

ACCESSORIES: Button unit fixing kit, Emergency stop button with optional emergency stop button protective cover.



PRODUCT: SAFETY LIGHT CURTAIN

PRODUCT MODEL: KKSYS-GTYP930-NPN-SET

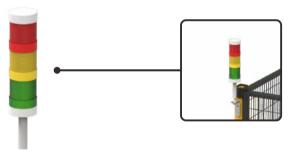
DESCRIPTION: Safety light curtain with transmitter and receiver.

Height; 930mm; Effective protection height: 840mm; Output: NPN; 1 normally closed.

ACCESSORIES: Safety light curtain x2; L-shaped small stand x4; 2500mm cable tray x1;

OUTPUT: NPN

3500mm cable tray x1.

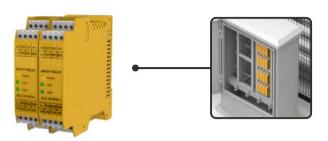


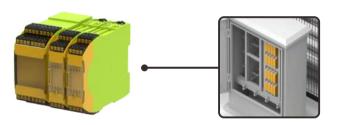
PRODUCT: MODULAR SIGNAL TOWER LIGHT

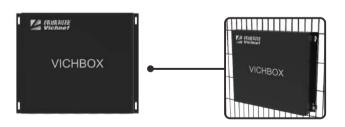
PRODUCT MODEL: KKCK-QZ60-Y10B-5PJ-RYG-SET

DESCRIPTION: Modular and programmable warning light, each layer is an independent module, you can choose the number of lights and color, the general default is three colors.

ACCESSORIES: Modular signal tower light x1; L-shaped fixing kit x1.







PRODUCT: SAFETY RELAY

PRODUCT MODEL: KKCK-WCPZ-SFRY001

DESCRIPTION: Can be connected to emergency stop button, limit switch, start button, photoelectric protection device and pushbotton switch; Output contact: 3NO (safety contact)/1NC (auxiliary contact).

FEATURES:The circuit is redundant with built-in self-monitoring; The safety device remains effective even in the case of a component failure; The correct opening and closing of the relays on the safety device is tested automatically in each on-off cycle.

PRODUCT: SAFETY PLC

PRODUCT MODEL: KKCK-WCPZ-SFPLC001

DESCRIPTION: The safety PLC complies with PL e (EN ISO 13849-1) and SIL CL 3

(EN/IEC 62061), the highest achievable level depends on the wiring. The CPU has two

Ethernet interfaces and 4 test pulses, which could connect up to 6 additional configurations

left and right. The safe digital quantity adopts safe digital quantity input and safe

semiconductor output, the number of points is generally 8/4 or 4/4.

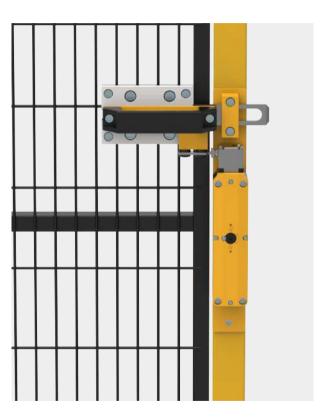
PRODUCT: PRE-PROGRAMMED MULTI-FUNCTION CONTROL SYSTEM

PRODUCT MODEL: KKSYS-VB-1-DKPY-A-BLK-SET

DESCRIPTION: Vichbox is a pre-programmed safety interlock system developed by Vichnet, which can realize interlock control of safety door accessories such as locks, alarm lights, etc., and it also can interact with different equipment to receive warning signals and make quick actions. It's safe, stable, adjustable, and even cost-effective.

FEATURES: It's relatively small and light for easy carrying and operation, and the installation is simple for only 6 circular connectors are required to connect with all accessories, additionally, indicators was equipped for noticing the power status.

INTELLIGENT LOCK KNOWLEDGE



GUARD LOCKING

The guard locking function is used to prevent the door from being accidentally opened. When there is a dangerous situation, danger the actuator (door latch) cannot be pulled out of the safety switch (locking module), and the door is locked to achieve safety protection.

Intelligent guard locking allows for the following safety settings:

- ◆ The start commands cause dangerous machine functions are accepted only when the safety door is closed and locked.
- The guard lock will only unlock when dangerous machine functions are completed.

GUARD LOCKING TYPES

Power-on Unlocking: Locks by spring force and unlocks by energizing the electromagnetic coil. The door is locked mechanically immediately upon dosing, it cannot be unlocked until the electromagnetic coil is energized.

Power-off Unlocking: Locks by energizing the electromagnetic coil and unlocks by spring force. When the door is closed, it is not automatically locked, the electromagnetic coil has to be energized to lock it. Once the electromagnetic coil is powered off, the door will be unlocked.

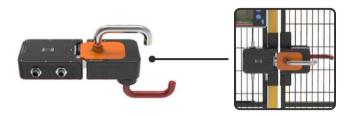


PRODUCT ADVANTAGE

Access Management

- Production safety can be improved through the access management of people, keys and locks.
- Supports background data query to achieve accountability and better production management.
- Different access management solutions can be chosen according to different application scenarios.

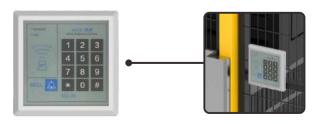
INTELLIGENT LOCK CONTROL SYSTEM COMPONENTS



FACE RECOGNITION SYSTEM



ACCESS CONTROL SYSTEM



PRODUCT: SMART LOTO SAFETY LOCK

PRODUCT MODEL: ZNS-A-SET

DESP: An intelligent lock that is composed of handle and interlock function, an escape handle is equipped(left opening or right opening).

FEATURES: 1. Smart LOTO function 2. RFID swiping card for recognition 3. With the embedded CAT1 4G, the wireless data can interact with the cloud platform servers to realize software upgrades and configuration settings remotely. 4. There are 2 RS485 interfaces respectively, which are convenient for connecting with the face recognition module and PLC 5. The power supply and interlock interface are used for powering the Intelligent IoT lock and display status, interacting with the other devices.

PRODUCT: FACE RECOGNITION SYSTEM

MODEL: AIB-FR-A-SET

Description: Face recognition module for assessment management

Features: 1. Basic panel functions: indicate safety lock status, unlock countdown, display safety door status, count people in the danger zone, 2. Face recognition works well even with personal protective equipment covering part of the face.

3. New employee registration: support batch import of employee photos and local upload.

PRODUCT: MAGNETIC COMBINATION LOCK



DESCRIPTION: A magnetic lock for access control.

FEATURE: Supports card swiping and password, can be connected to access control systems.

DOOR LOCK



PRODUCT: MECHANICAL LOCK(TYPE A)

MODEL: KKCK-ML-A-SS304-SET

APPLICABLE TO: Single hinged door.

USES: Stainless steel mechanical lock for single hinged door on machine guards.



PRODUCT: JIMMY PROOF LOCK

MODEL: KKCK-GL-TGLCK-SET

APPLICABLE TO: Double hinged door, single

sliding door, double sliding door.

USES: A mechanical lock for sliding door and

double hinged door on machine guards.



PRODUCT: SIMPLE BOLT LOCK(TYPE A)

MODEL: KKCK-LCK-A-SET

APPLICABLE TO: Single hinged door, double hinged door, double open sliding door.

USES: Door lock latch for machine guarding, can

be used with anti-theft padlock.



40A ALUMINUM ALLOY MECHANICAL LOCK

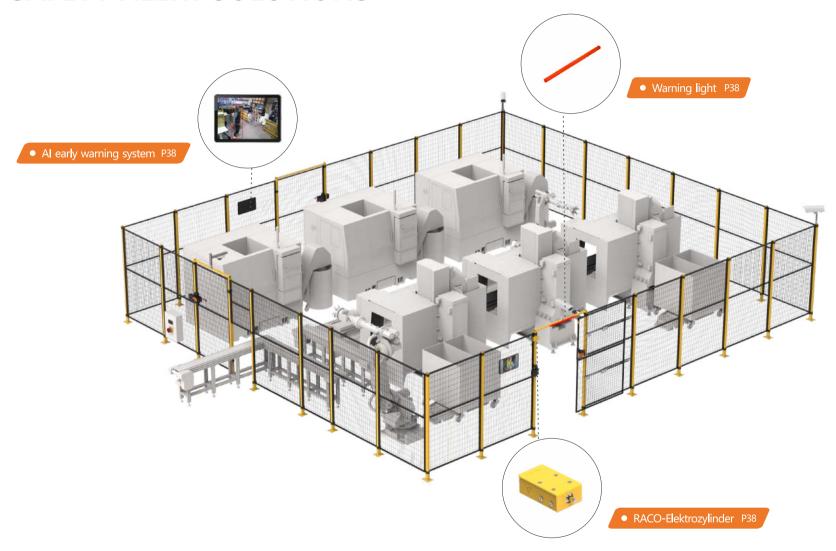
MODEL: ELCK-40A-SALONG-AL-SET

APPLICABLE TO: Single hinged door, double

hinged door.

USES: A mechanical lock for aluminum alloy machine guards.

SAFETY ALERT SOLUTIONS



PRODUCT ADVANTAGE

Safety Early Waring

- Real time monitoring and early warning of potential safety hazards, timely detection and resolution of safety issues, and improvement of safety performance.
- Realize automated management, reduce manual intervention, improve work efficiency and accuracy.
- 3 Conduct data analysis and statistics on security incidents to provide reference and decision-making support for enterprises.
- 4 Customized development and expansion can be carried out according to the needs of enterprises to meet the security management needs of different enterprises.

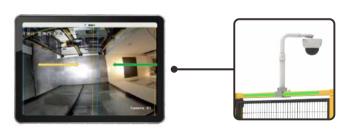


PRODUCT: AI PERSONNEL DETECTION SYSTEM IN HAZARDOUS AREAS

PRODUCT MODEL: KKSYS-DAD-A-SET

DESP: An intelligent system implemented through artificial intelligence technology, which uses high-definition cameras and deep learning Algorithm that can quickly and accurately identify whether a person is in a designated hazardous area and provide Reminders and Warnings for Time.

FEATURE: Support self setting of the size of the area within the camera's viewing range that needs to be recognized and judged, and support precise recognition Identified specific parts of the human body, capable of handling various refined work situations.



PRODUCT: AI EYE SMART LOTO SYSTEM

PRODUCT MODEL: KKSYS-PTP-CAM-A-SET

control processes.

DESP: An intelligent system implemented through artificial intelligence technology, which uses high-definition cameras and deep learning. The algorithm calculates the number of people remaining in the controlled area by accurately detecting the number of people entering and exiting the safety gate channel. Output signals to the actuator to reduce the risk of personnel falling into hazardous areas such as LOTO failure.

Efficient Identification: Achieves High-accuracy recognition, capable of identifying entries and exits even in special cases such as multi-person parallel entry and close-proximity tailgating.

Rapid Deployment: Controls complex areas with camera deployment only at safety door locations.

Non-intrusive Data Collection: Collects data automatically without adding management

Super networking: Supports multi-channel networking judgment in controlled areas.

Data Interaction: Uses Modbus TCP protocol, supports data output.

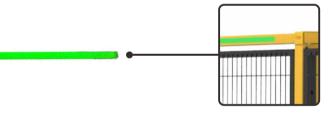


PRODUCT:PPE IDENTIFICATION TERMINAL

PRODUCT MODEL: KKSYS-TW-RGY-T22772

DESP: Intelligent devices implemented through artificial intelligence technology can quickly and accurately identify the items worn by personnel Personal Protective Equipment (PPE), which uses high-definition cameras and deep learning algorithms and can automatically recognize Check if employees are wearing the correct PPE and provide timely reminders and warnings.

FEATURE:Efficient Identification: Support identification of wearing safety helmets, masks, gloves, and earmuffs.



PRODUCT: WARNING LIGHT

PRODUCT MODEL: KKSYS-TW-RGY-T22772

DESP: As the executing agency of the early warning system, the red, green, and yellow light strips can be embedded in the entry gear.

FEATURE: 772mm long, 24V common anode power supply



PRODUCT: RACO-ELEKTROZYLINDER

PRODUCT MODEL: KKSYS-EPR-DC24V-0.27A-20mm

DESP: As the executing mechanism of the early warning system, when the electric push rod is pushed out, the safety door is blocked and cannot be closed to ensure that When the certification area is in a dangerous state, personnel inside the area can escape as soon as possible.

FEATURE: By connecting with the relay, the use effect of pushing or retracting the push rod in the specified state is achieved. Rated voltage DC24V, rated current 0.27A, stroke 20mm, push and pull force 25N, size 32 * 34 * 54mm.

CABLE MANAGEMENT SOLUTIONS



PRODUCT ADVANTAGE

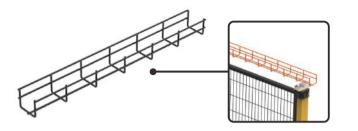
Advantages of Grid Bridge

- Open structure, anti-rodent, anti-mildew, easy to clean, good heat dissipation and convenient maintenance.
- Flexible and convenient installation: the cable tray can be cut according to need, and there are many kinds of accessories to meet a variety of installation methods.
- Smooth welding joints: weld with intermediate frequency welder, the strength of each welding joint is ≥3750N.

Advantages of slot type bridge

- Fully enclosed structure with good shielding performance.
- 2 Strong corrosion resistance: coating is superior to industry standards.
- Simple construction, flexible wiring, and beautiful appearance.

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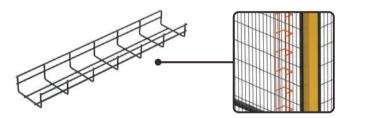
PRODUCT: WIRE MESH CABLE TRAY

PRODUCT MODEL: CM50x50-3000-5.0

DESCRIPTION: Open cable tray, height 50mm, width 50mm, wire diameter 5.0mm.

FEATURE: Easy to install and cut. straight sections can be modified to produce bends,

tees, crosses or reducers.



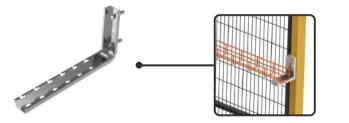
PRODUCT: WIRE MESH CABLE TRAY

PRODUCT MODEL: CM50x100-3000-5.0

DESCRIPTION: Open cable tray, height 50mm, width 100mm, wire diameter 5.0mm.

FEATURE: Easy to install and cut, straight sections can be modified to produce bends, tees,

crosses or reducers.



PRODUCT: L-SHAPED BRACKET INSTALLED ON THE WALL

PRODUCT MODEL: PJ-LWB

DESCRIPTION: For side installation of grid bridge.

FEATURE: Simple installation and stable structure.



PRODUCT: CABLE TRUNKING

PRODUCT MODEL: CT50x100-2000-1.5-PC-SET

DESCRIPTION: Enclosed cable tray, height 50mm, width 100mm, plate thickness 1.5mm.

ACCESSORIES: Contains a pair of straight segment connectors with fixing kit and bolts.

FEATURE: Cost-effective, dustproof.



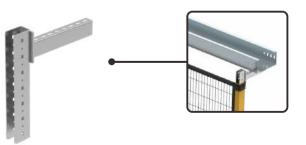
PRODUCT: CABLE TRUNKING

PRODUCT MODEL: CT50x500-2000-1.5-PC-SET

DESCRIPTION: Enclosed cable tray, height 50mm, width 50mm, plate thickness 1.5mm.

ACCESSORIES: Contains a pair of straight segment connectors with fixing kit and bolts.

FEATURE: Cost-effective, dustproof.

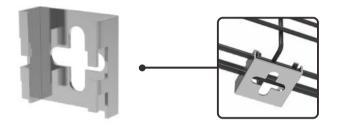


PRODUCT: SLOT TYPE BRIDGE FIXING PARTS

PRODUCT MODEL: KKBJ-300x54x34-2.5-BLK

DESCRIPTION: Install L-shaped fasteners for the grid bridge and secure them to the columns.

FEATURE: Simple installation and stable structure.



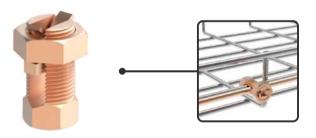
PRODUCT: MINI SPIDER BUCKLE

PRODUCT MODEL:PJ-MLK-EZ

SURFACE TREATMENT: Powder Coating

DESCRIPTION: Fixes the wire mesh cable tray, suitable for width 50-100 wire mesh cable trays.

FEATURE: Simple installation and stable structure.



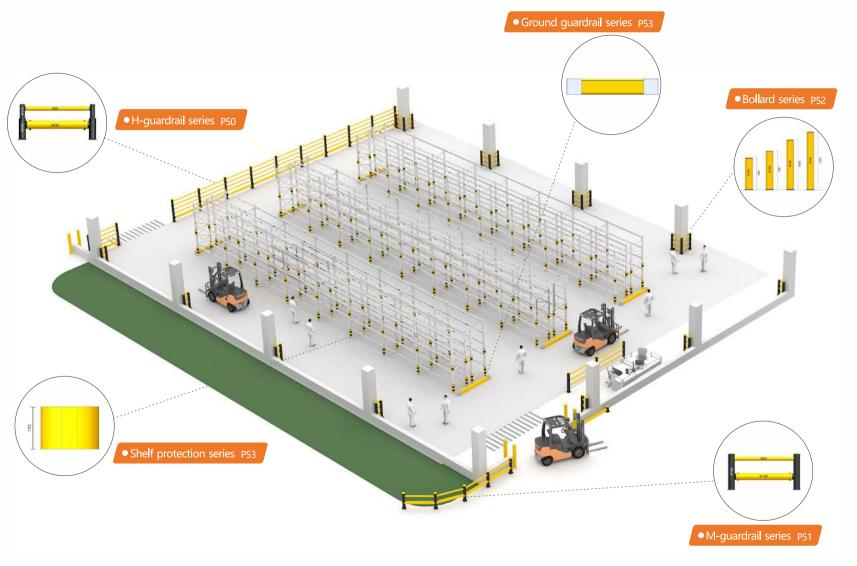
PRODUCT: 5MM GROUNDING COPPER BOLTS

PRODUCT MODEL: PJ-EHB-5

DESCRIPTION: Grounding components used every 10 meters on wire mesh cable trays.

FEATURE: Simple installation and good conductivity.

IMPACT PROTECTION SOLUTION



PRODUCT ADVANTAGE

Impact Protection

- 1 Strong impact resistance, products can be reused after after being hit.
- Built with imported polymer plastic, that has strong weather resistance and anti-aging properties.
- Material' s natural color meets ISO4892-3 UV resistance standards.
- 4 Strong resistance against chemical corrosion, low chemical activity.
- Different series can be chosen according to different application scenarios.

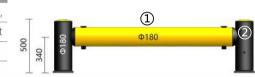
H GUARDRAIL SERIES

■ Single Barriers (H-guardrail series)

PRODUCT MODEL: KKCA-1HC-14400J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (Standard 1800 mm).

ACCESSORIES: Two φ180 posts, one φ180 beam and fixing kit.





4823 Joules 1459 Joules

Absorbable impact energy: 5 Tonne vehicle at 5.0 km/h Absorbable impacements: 5 Tonne vehicle at 2.75 km/

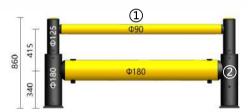
(2) region

■ Double Barriers (H-guardrail series)

PRODUCT MODEL: KKCA-2HC-14400J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (standard 1800 mm).

ACCESSORIES: Two posts, one φ180 beam, one φ90 beam and fixing kit.





Absorbable impact energy: 5 Tonne vehicle at 5.0 km/h



energy: 5 Tonne vehicle at 2.75 km/

■ Triple Barriers (H-guardrail series)

PRODUCT MODEL: KKCA-3HC-14400J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (Standard 1800 mm).

ACCESSORIES: Two posts, one φ180 beam, two φ90 beams and fixing kit.





Absorbable impact energy: 5 Tonne vehicle at 5.0 km/h



Absorbable imparence energy: 5 Tonne vehicle at 2.75 km/

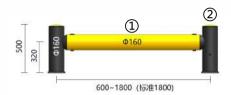
M GUARDRAIL SERIES

■ Single Barriers (M-guardrail series)

PRODUCT MODEL: KKCA-1MC-9900J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (Standard 1800 mm).

ACCESSORIES: Two φ160 posts, one φ160 beam and fixing kit.







Absorbable impact energy: 3 Tonne vehicle at 3.5 km/h

■ Double Barriers (M-guardrail series)

PRODUCT MODEL: KKCA-2MC-11700J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (Standard 1800 mm).

ACCESSORIES: Two ϕ 160 posts, one ϕ 160 beam,one ϕ 90 beam and fixing kit.





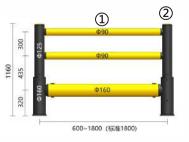


■ Triple Barriers (M-guardrail series)

PRODUCT MODEL: KKCA-3MC-11700J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Lengths range from 600 to 2000 (Standard 1800 mm).

ACCESSORIES: Two posts, one φ160 beam, two φ90 beams and fixing kit.







Absorbable impact energy: 3 Tonne vehicle at 3.5 km/h

GUARD COLUMN SERIES

■ 125 Bollards

PRODUCT MODEL: KKCA-125-3900J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Bollards height: 450mm, 500mm, 780mm, 1000mm.

ACCESSORIES: One φ125 bollard and fixing kit.

160 Bollards

PRODUCT MODEL: KKCA-160-3900J

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Bollards height: 450mm, 500mm, 780mm, 1000mm.

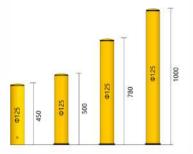
ACCESSORIES: One φ160 bollard and fixing kit.

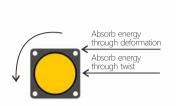
PRODUCT MODEL: KKCA-180-3900J

■ 180 Bollards

DESCRIPTION: Used for separating passageways for pedestrians and vehicles, streamline the movement of traffic, protect people, machinery and equipment from impact damage. Bollards height: 450mm, 500mm, 780mm, 1000mm.

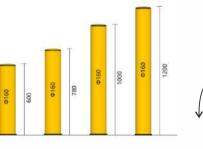
ACCESSORIES: One φ180 bollard and fixing kit.







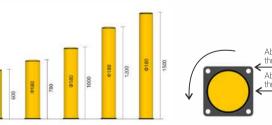














Absorbable impact energy: 5.0 Tonne vehicle at 4.5 km/h

GROUND COLUMN SERIES

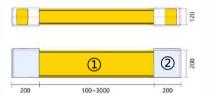
■ Horizontal Ground Barriers

PRODUCT MODEL: KKCA-DL1-9900J

DESCRIPTION: Provides ground level protection, used in combination

with L, M and H barriers to prevent forklift impact.

ACCESSORIES: Each ground barrier two casting seats and fixing kit.





vehicle at 5.5 km/h

② region 462 Joules Absorbable impact energy: 3 Tonne

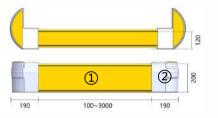
vehicle at 2.0 km/h



PRODUCT MODEL: KKCA-DL2-9900J

DESCRIPTION: Protect end of rack.

ACCESSORIES: Each ground barrier two casting seats and fixing kit.





vehicle at 5.5 km/h



energy: 3 Tonne vehicle at 2.0 km/h

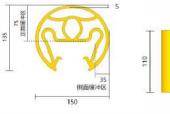
SHELF PROTECTION SERIES

■ Flexible Plastic Foot Guards

PRODUCT MODEL: KKCA-RSSL-1800J

DESCRIPTION: Protect 80~100mm size columns, prevent forklift

damage to shelves.





Absorbable impact energy: 5 Tonne vehicle at 4.5 km/h



Application Cases

Data Centre Intelligent Warehouse Panel Furniture Chemical Industry

Food Packaging

Automobile Production

Rubber Product

New Energy Resources

DATA CENTRE









FOOD PACKAGING









FOOD PACKAGING







INTELLIGENT WAREHOUSE









AUTOMOBILE PRODUCTION









PANEL FURNITURE



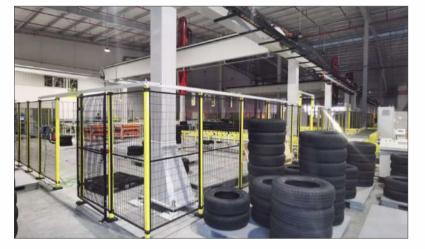






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RUBBER PRODUCT









CHEMICAL INDUSTRY







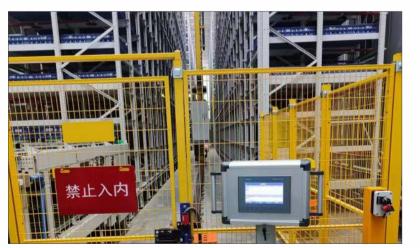


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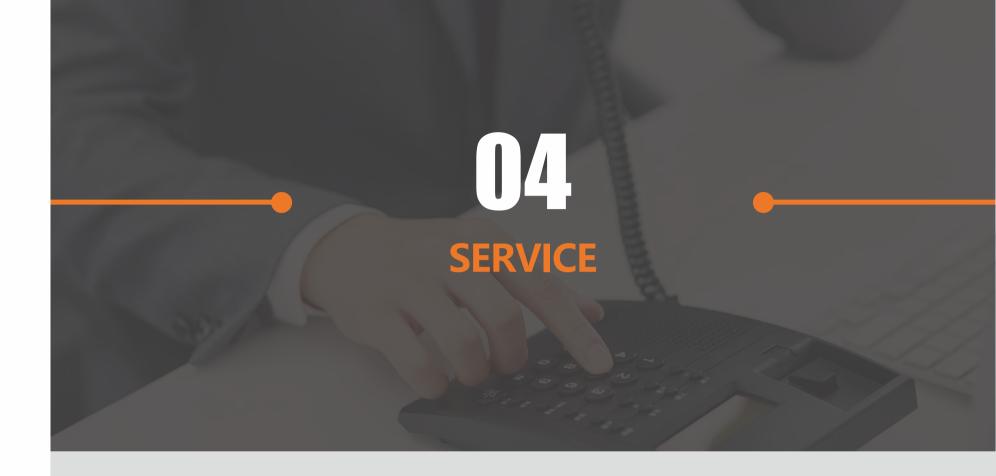
NEW ENERGY RESOURCES











Pre-sale Service

After-sale Service

Packaging and Delivery

Pre-sale Service







Packaging and Delivery







After-sale Service



