



TRAFFIC SAFETY

CARPARK ACCESSORIES

PROTECTION SYSTEMS

CRASH BOLLARDS

BICYCLE RACKS

SIGNAGES

SERNIS PORTUGAL

CONGOST SPAIN

DK KOREA

DURAHIT USA

NIPON JAPAN

DANCOP GERMANY

SWAREFLEX AUSTRIA

Supporting Partner :



ASIA AGENCIES

road safety specialists



Wheel
Stopper



Rubber
Road Hump



Traffic
Mirror



Crash
Bollard

INTRODUCTION

For ASIA AGENCIES PTE LTD, traffic safety is where it all started. Since 1977, the company mission is to provide safety roads and saves lives.

In 1987, ASIA AGENCIES was appointed as the exclusive distributor for South East Asia region by NIPON.

As the market leader, our customer includes the Land Transport Authority, commercial buildings, etc. Working together with distribution partners, we have achieved 95% of the market share.

ASIA AGENCIES is better positioned than ever before to provide the total solution for traffic safety. Thanks to NIPON !

NIPON WARRANTY

We warrants to distributors that all products

- (a) Conform with all written specifications provided from time to time
- (b) Will be free from defects in material, workmanship and design
- (c) Will comply with all applicable laws and regulations

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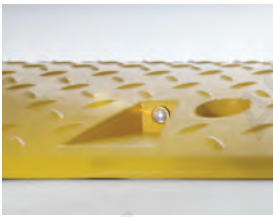
RUBBER ROAD HUMPH

C50 Rubber Road Hump is designed to replace traditional concrete or asphalt hump. It save lifes by reducing the speed of the vehicle at critical locations.

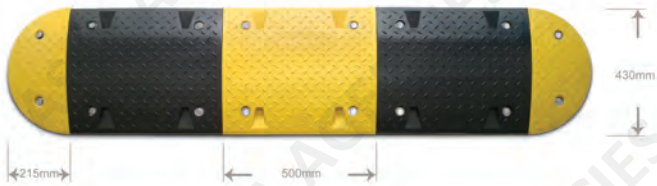
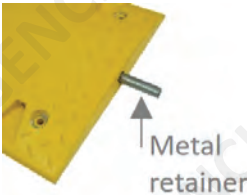
The hump can be installed on different types of road surface such as asphalt, interlocking or concrete flooring. Other than concrete flooring, a metal rod retainer running through the centre of the hump is necessary for other installation. This system is to prevent dislodging of hump after a certain period of usage.

C50	
Size	L500 x W430 x H50 mm (Centre Piece)
	L215 x W430 x H50 mm (End Piece)
Origin	Japan
Hardness	ASTM D 2240 / Min. Shore A90
Gravity	ASTM D 792 / Min. 1.21
Tensile Strength	ASTM D 412 / Min. 420 kgf/cm ²
Elongation	ASTM D 412 / Min. 640%
Tear Resistance	ASTM D 624 / Min. 110 kg/cm ²
Loading Strength	ASTM D 945 / 20 ton / 500 x 430mm
Fire Resistance	ASTM D 2912 / Max 90°c

Glass Reflector



Metal Rod Retainer



DESCRIPTIONS & SPECIFICATIONS

- With metal rod retainer, it reduces the chance of hump dislodging from bitumen or interlocking roads
- High impact loading with longer product life-span compared to other humps
- Easy installation using anchor bolts
- No painting required unlike concrete hump
- Slow vehicle to 15 km/h
- Maintenance free
- 4 nos. glass reflector elements
- Material using 40% recycle rubber, 40% natural rubber and 20% urethane compound



SAFETY MIRROR



NIPON has break through the tradition method of manufacturing safety mirror using glass.

With high polishing and excellent mirror coating onto polycarbonate material, it provides safety to all users on the road.

Polycarbonate material is 400% lighter than glass and it is 500% more impact resistant compare to glass.

OUTDOOR MIRROR

OR 1000 PG	40 ins. dia / Polycarbonate / Japan
OR 840 PG	32 ins. dia / Polycarbonate / Japan
OR 660 PG	24 ins. dia / Polycarbonate / Japan
OR 800 SS	32 ins. dia / Stainless Steel / Japan
OR 300 SS	12 ins. dia / Stainless Steel / Japan

Impact Strength	27.5 kg/cm ² (ASTM) Polycarbonate
Tensile Strength	379 kg/cm ² (ASTM) Polycarbonate
Hardness	70 J (ASTM) Polycarbonate

Can be wall or pole mounted.

Wall bracket and pole are not included.

Comply to LTA requirement

INDOOR MIRROR

IR 660 A	24 ins. dia / Polycarbonate / Japan
IR 450 A	18 ins. dia / Polycarbonate / Japan
IR 300 A	12 ins. dia / Polycarbonate / Japan
TW 8	8 ins. dia / Polycarbonate / Japan

Impact Strength	27.5 kg/cm ² (ASTM)
Tensile Strength	379 kg/cm ² (ASTM)
Hardness	70 J (ASTM)

Can be wall mounted.

Comply to LTA requirement



FULL DOME MIRROR

DM 600	24 ins. dia / Polycarbonate / Japan
DM 500	20 ins. dia / Polycarbonate / Japan

Ceiling mounting. Cross-junction usage.



HALF DOME MIRROR

DM 600 Half	24 ins. dia / Polycarbonate / Japan
DM 500 Half	20 ins. dia / Polycarbonate / Japan

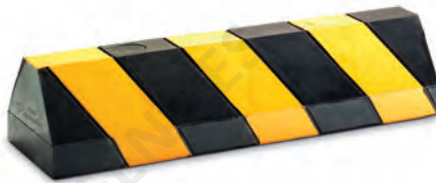
Corner Ceiling mounting. T-junction usage.

WHEEL STOPPER



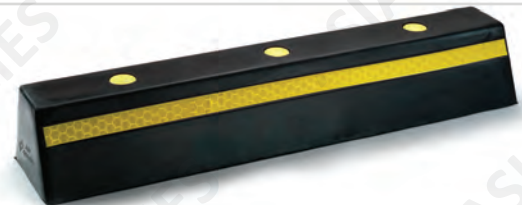
WS 5006

Size	L750 x H120 x W150 mm
Origin	Korea
Material	Recycle Plastic Resin 75% (Consists of : 50% polymer resin, 10% ABS, 5% polypropylene, 35% others), Rubber Powder (5%), Stone Powder (15%), ETC Compound (5%)
Bolt Size	M12 x L150 mm x 2 nos.



WS 5001

Size	L500 x H115 x W165 mm
Origin	Japan
Material	Rubber External 50% (Consists of : 50% pure rubber, 20% rubber resin, 30% others) Rubber Internal 50% (Consists of : 30% polypropylene, 40% shredded resin, 30% others)
Bolt Size	M12 x L180 mm x 2 nos.



WS 5003 (FOR TRUCK)

Size	L750 x H120 x W150 mm
Origin	Korea
Material	Rubber External 55% (Consists of : 50% pure rubber, 20% rubber resin, 30% others) Rubber Internal 45% (Consists of : 30% polypropylene, 40% shredded resin, 30% others)
Bolt Size	M12 x L150 mm x 3 nos.



WS 5007 (FOR TRUCK)

Size	L1000 x H180 x W200 mm
Material	Neoprene Rubber
Bolt Size	M12 x L200 mm x 2 nos



CORNER GUARD

A

PG 5010

Size	L1000 x B90 x T15 mm
Origin	Korea
Material	Rubber (35% recycle composite)
Backing	Supported with metal retainer

Eco certified in Korea.

B

PG 5010 (GREY)

Size	L1000 x B90 x T15 mm
Origin	Korea
Material	Rubber (35% recycle composite)
Backing	Supported with metal retainer

Eco certified in Korea.

C

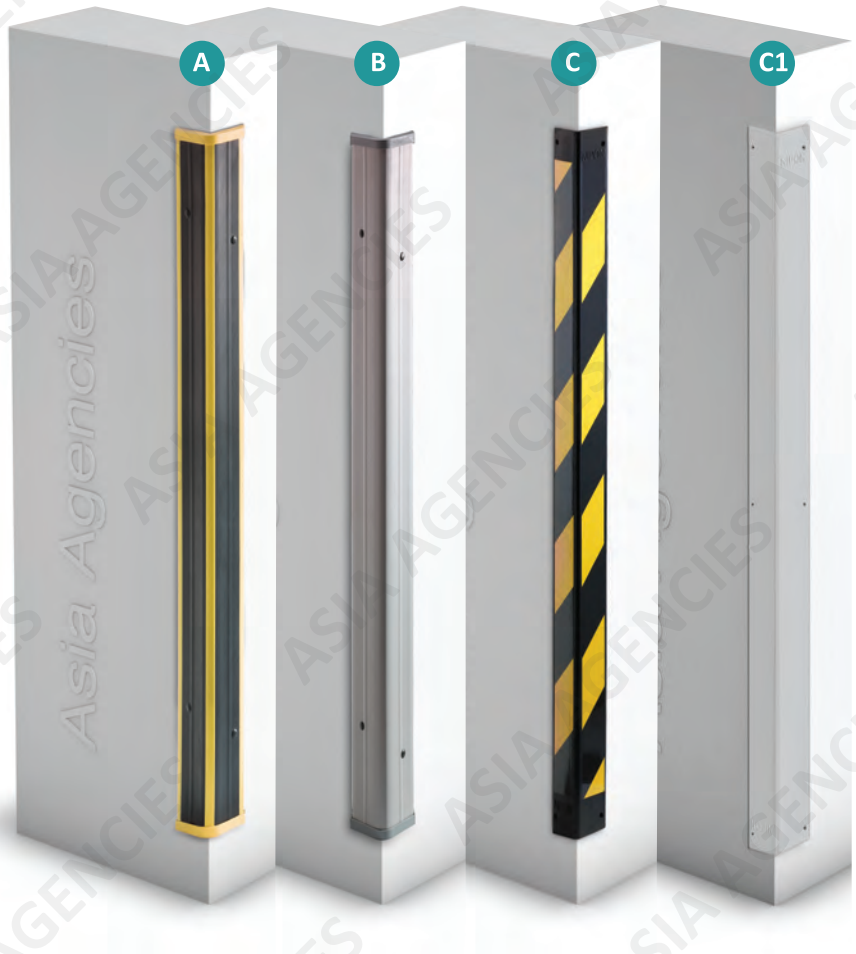
PG 5075

Size	L1000 x B75 x T10 mm
Origin	Japan
Material	Rubber (40% recycle composite / 60% natural)

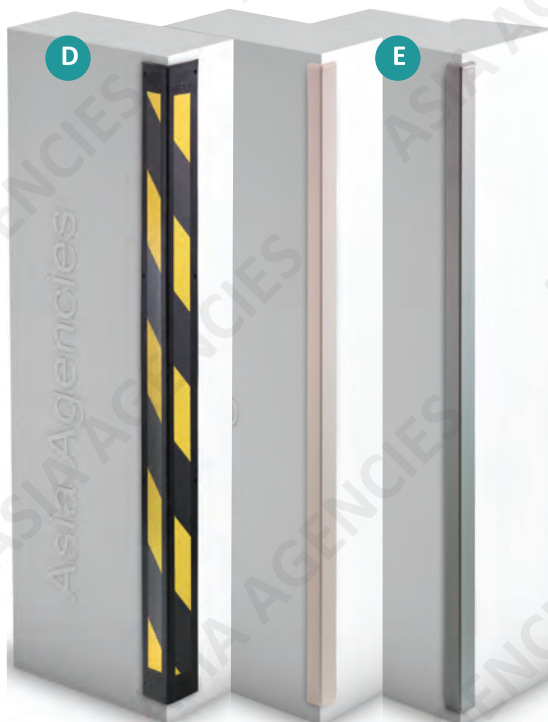
C1

PG 5075 (GREY)

Size	L1000 x B75 x T10 mm
Origin	Japan
Material	Rubber (40% recycle composite / 60% natural)



D



D

PG 5090

Size	L1200 x B100 x T10 mm
Origin	Japan
Material	Rubber (40% recycle composite/ 60% natural)

E

PG 5100 (BEIGE & GREY)

Size	L1200 x B50 x T9 mm
Origin	Japan
Material	ABS (60% plastic / 40% urethane)
Backing	Supported with metal retainer

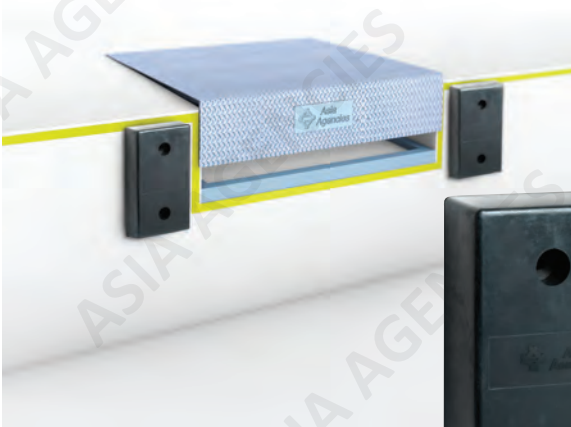


WALL PROTECTION BUMPER



PG 5030	
Size	L1000 x H200 x T30 mm
Origin	Japan
Material	Recycle Composite (40%) Natural Rubber (60%)
Bolt Size	M8 x 80 mm
Hardness	70° ± Shore A
Tensile	13 mpa
Break Elongation	300%

PG 5008	
Size	H140 x T25 mm
Origin	Korea
Material	Recycle Composite (35%) Natural Rubber (65%)
Bolt Size	M8 x 80 mm
Hardness	70° ± 5%
Tensile	16 mpa
Break Elongation	280%



PG 5003.1	
Size	L250 x H450 x T100 mm
Origin	Japan
Material	Rubber Recycle Polymer (32%) Natural Rubber (68%)
Bolt Size	M12 x 150 mm
Hardness	87° ± 5% (ASTM Comply)
Tensile	17 mpa (ASTM Comply)
Break Elongation	330% (ASTM Comply)



WALL PROTECTION BUMPER (HEAVY DUTY)



PG 5080	
Size	L600 x H200 x T100 mm
Origin	Korea
Material	Rubber Recycle Composite (40%)
Bolt Size	M12 x 150 mm
Hardness	80° ± Shore A
Tensile	190 kg/m
Break Elongation	385%
Compression Set	80°C for 20 hours

PG 5060	
Size	L1000 x H150 x D80 mm
Origin	Japan
Material	Rubber Recycle Composite (45%)
Bolt Size	M12 x 150 mm
Hardness	70° ± 5% Shore A (ASTM Comply)
Tensile	16 mpa (ASTM Comply)
Break Elongation	315% (ASTM Comply)
Ozone Resistant	No Crack



PG 5050D	
Size	L900 x H150 x D150 mm
Origin	Japan
Material	Natural Polymer Rubber
Bolt Size	M12 x 120 mm
Hardness	80° ± 5% Shore A (ASTM Comply)
Tensile	16 mpa (ASTM Comply)
Break Elongation	320% (ASTM Comply)
Ozone Resistant	No Crack

WALL PROTECTION BUMPER



PG 5225 (PLASTIC WALL GUARD)	
Size	L1000 x H200 x T25 mm
Origin	Japan
Material	ABS Plastic with Aluminium Support Backing
Hardness	95° ± 5% (ASTM Comply)
Tensile	30 mpa (ASTM Comply)
Ozone Resistant	No Crack



HANDRAIL 3	
Size	H143 x T76 mm
Origin	Japan
Material	Vinyl with Aluminium Backing
Impact Test	18" fall till surface deform (ASTM Comply)
Wear Cycle	18,000 (ASTM Comply)



WALL SHEET	
Size	H1220 x L2440 x T2 mm
Origin	Japan
Material	PVC (75%) Polymer (25%)
Hardness	75° ± 5% (ASTM Comply)
Gravity	1.31 (ASTM Comply)
Strength	5800 psi (ASTM Comply)
Heat Distort	72°C (ASTM Comply)
Flexibility	250,000 psi (ASTM Comply)
Flexibility Strength	7,300 psi (ASTM Comply)



LATERAL WALL PANEL	
Size	L1000 x H200 mm
Origin	Japan
Using 3M Diamond reflective, it enhance better visibility in both day and night	

FLEXIBLE BOLLARD



FB 3001	
Size	H750 x Dia 80 mm
Origin	Korea
Material	Polyurethane PVC
Descriptions	• 360° flexibility • 3 brands of reflective sheeting by Reflexite

SR FLEXIBLE BOLLARD	
Size	H1000 x Dia 80 mm
Origin	Portugal
Material	Urethane with Polymer Compound
Descriptions	• 360° flexibility • Un-screw anti-clockwise direction to remove post • Reflective sheeting by 3M
Comply to LTA requirement	



IMPACT RESISTANT FLEXI-BOLLARD



“Bravo” Impact Resistant Flexible Bollard, made of Special Flexible material are TUV-tested. The product is extremely impact resistant. It is able to absorb the impact without causing significant damage to the bollard or vehicles.

The bollard is ideal to be install at warehouse, carpark, entrances and as a divider for road separation at pedestrian areas. It can prevent accidents and save life.

The body colour is bright yellow, it helps the drivers to become aware of their existence at an early stage.

It is tested with a 12 ton forklift at a speed of 3mph. Impact force is 5400 joules.

“BRAVO” IMPACT RESISTANT FLEXI-BOLLARD	
Size	H1200 x Dia 200 mm (Bollard) L225 x W225 mm (Base Plate)
Origin	Germany

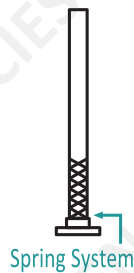
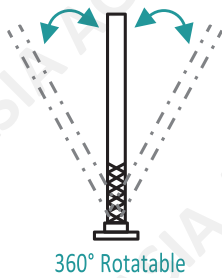


REMOVABLE FLEXI-BOLLARD

FB 3009 SERIES	
Size	H1100 x Dia 60 mm (FB 3009 YB / FB 3009 RW)
Origin	USA
Material	Polymer Plastic (Base, Post & Cap) Hot Deep Galvanised Steel (Spring)
Sheeting	3M Reflective

Descriptions

- Dual spring concept by DURA-HIT
- Can be removed with a locked-on pin system
- Simply pull pin to remove post
- Maximum flexibility on the road
- Using 3M reflective, it enhance better visibility both day and night
- In the case of any light impact collision, the spring system will absorbs the impact by swaying the post (see illustrations)



A user-friendly bollard that is both flxible and removable.

A simple design that can easily remove the post from the base plate in just 1 second! Simply pull the pin on the base and turn the post to release. This release action save times during emergency.

With a built-in double spring system within the bollard, it provides reliable flexibility up to 360°. Completes with high-end reflective sheeting, it provides maximum visibility at a far distance.

It also allows a single / double sided information sign to be displayed. Different colours of the reflective sheeting and wordings are available.



FB 3009
Wide Series



FB 3009
Slim Series



FB 3009
Dynamic Series



FB 3009 RW



FB 3009 YB

FIXED FLEXI-BOLLARD

NIPON also implemented the spring system concept to be applied into the fixed flexi bollard. Not just one single spring, its dual directional spring concept built in the base of the product. The advantage of dual spring allows much better flexibility.

The bollard is suitable to be install at carpark, driveway or act as a separation divider for driveway. Standing at a height of 1100mm and completes with high-end reflective sheeting which easily visible for all drivers while driving.

Our product is strongly used on Singapore road by LTA. It is commonly installed at bus stops and road kerb for better visibility.



FB 3008 YB

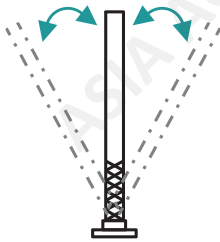
FB 3008 RW

FB 3008 SERIES	
Size	H1100 x Dia 60 mm
Origin	New Zealand
Material	Polymer Plastic (Base, Post & Cap) Hot Deep Galvanized Steel (Spring)
Sheeting	3M Reflective

Comply to LTA requirement

FEATURES & CHARACTERISTICS

- Fixed orientation with arrow indicating direction of traffic flow. Wrong direction creating potentially dangerous situation
- Adjustable spring for tension return
- No internal cables resulting in snap
- Injection molded components in engineering grade polymer for maximum durability
- Using 3M reflective, it enhance better visibility in both day and night
- Standard Righting Moment: 35Nm
- Maximum Impact Velocity: 100km/h (2 springs)
(Single spring reduces impact rate)
- In the case of any light impact collision, the spring system will absorb the impact by swaying the post (see illustration)



360° Rotatable



Spring System

STAINLESS STEEL BOLLARD



This 3 models of bollards are commonly used in areas such as condominiums, schools, buildings etc.

Having 3 different applications for different bollards, it should generally serves all purpose.

All NIPON bollards comes with 3M diamond reflective sheeting for far visibility.

RB 3101 and RB 4003 allow users to chain the bollard in order to cover a larger area.



RB 3101 PERMANENT SERIES

Size	(Post) H1000 x Dia 75 mm (Base) Dia 100 mm
Origin	Japan
Bolting	M10 x 40 mm x 4 nos. (anchor sleeve for concrete ground) M10 x 100 mm x 4 nos. (plastic plug for asphalt road)

Descriptions

- Only use for permanent block-off
- Can be chain up to block-off larger areas
- Prismatic reflective sheeting by 3M



RB 4003 REMOVABLE SERIES

Size	(Post) H1000 x Dia 75 mm (Base) 200 x 200 mm
Origin	Japan
Bolting	M10 x 40 mm x 4 nos. (anchor sleeve for concrete ground) M10 x 100 mm x 4 nos. (plastic plug for asphalt road)

Descriptions

- Post can be fully removed, leaving base on floor
- Can be chain up to block off restricted areas
- Using padlock or cable tie to secure
- Prismatic reflective sheeting by 3M

RB 4005 COLLAPSIBLE SERIES

Size	(Post) H800 x Dia 60 mm (Base) 200 x 200 mm
Origin	Japan
Bolting	M10 x 40 mm x 4 nos. (anchor sleeve for concrete ground) M10 x 100 mm x 4 nos. (plastic plug for asphalt road)

Descriptions

- Easily collapsible for emergency access
- Prismatic reflective sheeting by 3M



PREMIUM STAINLESS STEEL BOLLARD

A premium range of stainless steel bollard specially to cater for the high end market usage.

The product has a thick wall for light impact hit resistant. The material can withstand hit by doors or trolleys. Material is high grade stainless steel which can withstand weather conditions.

For both the bollards, there is a recess designed for the reflective sheeting. The recess area is to minimize vandalism of the sheeting. For the reflective sheeting, we have a wide varieties of colours to choose from. Commonly used at lobby drop-off / pick up point etc.



RB 3101.1 PERMANENT SERIES

Size	(Post) H900 x T3 x Dia 114 mm (Capping) Dia 180 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin

RB 3101.2 PERMANENT SERIES

Size	(Post) H900 x T3 x Dia 168 mm (Capping) Dia 250 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin



RB 3108 TAPERED TOP PERMANENT SERIES

Size	(Post) H1000 x T4 x Dia 220 mm (Capping) Dia 280 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin

RB 3200 BRONZE

Size	H1000 x T4 x Dia 140 mm
Origin	Japan
Material	Grade 316 Stainless Steel and 14 mm thickness of bronze
Finishes	Satin



Dia 140 mm

Dia 168 mm

SECURITY CRASH BOLLARD (STAINLESS STEEL)

IMPACT RESISTANT
available in 2 ranges



Crash rated
up to 15km/h
& 30km/h

Security Crash Bollards are commonly used in high security and also high accident rate areas. These bollards are designed to withstand the impact from vehicle so as to reduce the severity of accidents in order to save lives.

All NIPON crash bollards are PE calculated and certified. Our range starts from 15 to 30 km/h impact hit depending on models. For better aesthetic finishes, the bollard can be sleeved with a stainless steel material. All stainless steel sleeves are made of grade 316, which can withstand all weather conditions.

Our crash bollards are installed widely in Singapore. Our clients include: Changi Airport, Mediacorp HQ, Fullerton Hotels, Embassies and many more.

All bollards do have a recess area designed for reflective sheeting. This to alert driver during low-lighted conditions. All reflective sheeting by 3M diamond prismatic material that is visible from 100 metres distance.



	RB 3101.2 - 15KM/H RB 3101.2 - 30KM/H
Size	(Post) H900 x T3 x Dia 168 mm (Capping) Dia 250 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin



	RB 3108 - 15KM/H RB 3108 - 30KM/H
Size	(Post) H1000 x T4 x Dia 220 mm (Capping) Dia 280 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin

SECURITY CRASH BOLLARD (MILD STEEL)

Security Crash Bollards are commonly used in high security and also high accident rate areas. These bollards are designed to withstand the impact from vehicle so as to reduce the severity of accidents in order to save lives.

All NIPON crash bollards are PE calculated and certified. Our range 30km/h impact hit depending on models.

Our crash bollards are installed widely in Singapore. Our clients includes : Changi Airport, Mediacorp HQ, Fullerton Hotels, Embassies and many more.

All bollards do have a recess area designed for reflective sheeting. This to alert driver during low-lighted conditions. All reflective sheeting by 3M diamond prismatic material that is visible from 100 metres distance.

IMPACT RESISTANT



Crash rated up to 30km/h

MS168 - 30	
Size	(POST) H1000 x Dia168.3 x T8 mm (BASE) L600 x W400 x T15 mm
Origin	Singapore
Material	Carbon Steel CHS Grade 355



STEEL BOLLARD (COMPLY TO LTA)

The bollard is designed for 60km/h impact which is commonly used in Singapore.

It has a recess designed for the reflective sheeting. The recess area is to minimize vandalism of the sheeting. The reflective sheeting for this model is high end diamond grade reflective sheeting.

This bollard can be on different types of mounting.

STEEL BOLLARD PERMANENT SERIES	
Size	H1000 x Dia 168.3 mm
Origin	Singapore
Descriptions	• Able to withstand up to 60 km/h impact • Concrete filled • Prismatic reflective sheeting by 3M
Comply to LTA requirement	



PREMIUM REMOVABLE STAINLESS STEEL BOLLARD

For emergency access, removable bollards are highly recommended. The product designed with 900 - 1000 mm height for distance visibility. Using high grade 316 stainless steel, it allowed long weather resistance and corrosion.

The bollard can be use as a permanent or removable system. Simple removal method depending on type used. Our bollards comes with high prismatic reflective sheeting for drivers to get maximum attention.



RB 4100 REMOVABLE SERIES (SURFACE MOUNTED BASE)

Size (Post) H1000 x T3 x Dia 154 mm
(Base) H33 x T5 x W250 x 250 mm

Origin Japan

Material Grade 316 Stainless Steel

Finishes Satin

Descriptions

- Easily unlocked and remove
- Prismatic reflective sheeting by 3M



RB 4000 REMOVABLE SERIES (SCREW-IN SYSTEM / EMBEDDED BASE)

Size (Post) H925 x Dia 63 mm

Origin Japan

Material Grade 316 Stainless Steel

Descriptions

- Unscrew anti-clockwise to remove post from base holder embedded in floor
- Prismatic reflective sheeting by 3M



RB 4004 REMOVABLE SERIES (EMBEDDED BASE)

Size (Post) H900 x T3 x Dia 113 mm

Origin Japan

Material Grade 316 Stainless Steel

Descriptions

- Easily unlocked and remove with a key
- Prismatic reflective sheeting by 3M



RB 7000

Size H1000 x T7 x Dia 76 mm

Origin France

Material Grade 316 Stainless Steel

Descriptions

- Impact resistant
- Flexible
- Removable (using tools)



MAGNETIC STAINLESS STEEL BOLLARD

The MAGNETIC STAINLESS STEEL BOLLARD is designed to be attached on strong metal surfaces. In case of any traveller maintenance or emergency, it can be removed easily.

Purpose of this product is to cut-down prams, trolleys etc from using the travellers, hence reducing the breakdown rate.

With strong Adhesive Strength of up to 680 kg, the bollard will remain rigid once the placing location is positioned.

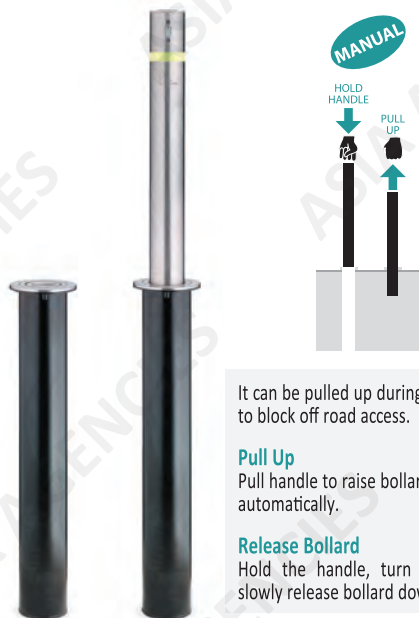
The Magnetic Bollard is made of stainless steel material. With high quality furnishes, it provide an excellent aesthetic look that blends with the surroundings.

MAGNETIC SS BOLLARD

Size	(Post) H900 x T3 x Dia 114 mm (Capping) Dia 180mm
Origin	Japan
Material	Grade 316 Stainless Steel
Finishes	Satin



RETRACTABLE STAINLESS STEEL BOLLARD



It can be pulled up during emergency to block off road access.

Pull Up

Pull handle to raise bollard, it will lock automatically.

Release Bollard

Hold the handle, turn the key and slowly release bollard down.

RB 5000 MANUAL RETRACTABLE SERIES

Size	(Post) H900 x Dia 113 mm (Bottom Housing) H1070 x Dia 160 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Descriptions	- Bottom housing in black is embedded in the ground - Can be readily telescoped into ground



It can be raise during emergency to block off road access.

Pull Up

Release the lock with a key, bollard will raise and lock automatically.

Release Bollard

Turn the key and push the bollard down, it will lock automatically again.

RB 5000.1 SEMI AUTOMATIC RETRACTABLE SERIES

Size	(Post) H900 x Dia 113 mm (Bottom Housing) H1135 x Dia 160 mm
Origin	Japan
Material	Grade 316 Stainless Steel
Descriptions	- Push down / step down to lower bollard - Unlock key... auto raise of bollard - Built-in internally using pneumatic system to push / lower bollard

ROAD REFLECTOR

The road marker is designed to guide the drivers into its own lane both during the day and night.

When the car light shine, the reflector will reflect. This is due to the reflectivity from the stud which are made from highly clear glass elements.

In addition, it also give out a very good luminosity in the night. The reflectivity from the marker allows driver to have a better visibility at a distance of up to 200 metres.



**RS 1001
SWAREFLEX - ROAD STUD**

Size	L100 x B100 x H19.8 mm
Origin	Austria
Material	Aluminium Alloy
Comply to LTA requirement	



**RS 1020
SWAREFLEX - CITY STUD**

Size	L220 x B100 x H40 mm
Origin	Austria
Material	ABS Plastic



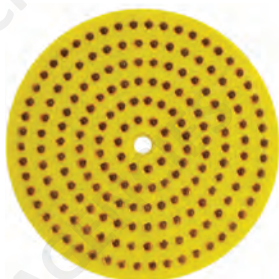
**RS 1040
SWAREFLEX - GLOBE MARKER**

Size	L100 x B100 x H17.9 mm
Origin	Austria
Material	ABS Plastic



**RS 1050
SWAREFLEX**

Size	L100 x B100 x H19 mm
Origin	Japan
Material	ABS Plastic



**SWAREFLEX
ROUND PANEL**

Size	100 mm Diameter
Origin	Austria
Material	ABS Plastic



**DF 2003
SWAREFLEX - RUBBER FLAP**

Size	L120 x B120 x H230 mm
Origin	Austria
Material	(Base) ABS Plastic / (Flap) Rubber

ROAD / PAVEMENT SOLAR

NIPON Solar products are designed for the purpose of night time safety, even though it does not require car light to illuminate to the reflector. It uses solarix solar panel in-conjunction with super capacitor (battery) for long lasting operation visibility up to 800 metres.



SOLAR LINEAR POINTER 1

Size H50 x Dia 150 mm

Origin Japan

Descriptions

- 5mm protrusion above ground
- LED blinking in the night from approximately 7pm to 7am

Comply to HDB requirement

SR 20 M SOLAR STUD

Size H87 x Dia 144 mm

Origin Portugal

Descriptions

- No wiring needed. Easy installation
- Blinking mode at approximately 140 times a minute
- LED blinking in the night from approximately 7pm to 7am



SOLARIX POINTER 4

Size L100 x B100 x H22 mm

Origin Korea

Descriptions

- 22mm protrusion above ground
- LED blinking in the night from approximately 7pm to 7am

CABLE PROTECTOR / BUMPER STRIP



BUMPER STRIP

Size L500 x W100 x H15 mm

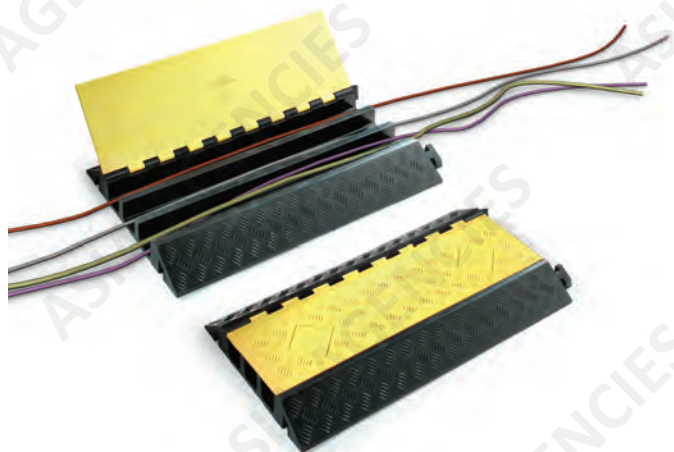
Origin Japan



MINI CABLE PROTECTOR

Size L1000 x W140 x H20 mm

Origin Japan



CABLE PROTECTOR

Size L900 x W500 x H75 mm (Protector)
60 mm (Hole)

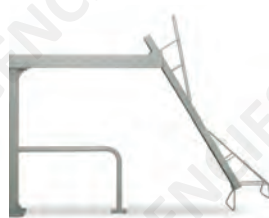
Origin Japan

Material Natural Rubber

Weight 20.5 kg

No. of Holes 3

BICYCLE PARKING



Specially designed double tier bicycle rack system to maximize bicycle parking area.

With slight force, the top tier bicycle parking can be push up or pull down. This is all due to the hydraulic compressor that helps to minimize the weight and allow a smoother loading of bicycle on top tier.

To withstand knocks damage and weather corrosion, the product is framed with thick mild steel material. On the external it is hot dip galvanized with powder coated paint.

BICYCLE RACK - DOUBLE TIER

Size	H1660 (Overall) / W1620 mm (before upper tier being lowered down)
Origin	Japan
Material	Hot dip galvanized mild steel with powder coated paint
Compressor	Hydraulic



BICYCLE STAND - N SHAPE

Size	H900 (above ground) x W600mm (Post) dia 50mm (Base) L140 x W140 x T5mm	Descriptions - Designed to provide a safe and secure parking area for bicycles - Suitable for all kinds of bicycles - Ideal to be installed at MRT station, carpark, school, and etc
Origin	Japan	
Material	Stainless Steel	
Bolting	M10 x 40mm x 8nos.	



BICYCLE STAND - SINGLE

Size	H550 x W290 mm
Origin	Japan
Material	Stainless Steel (Stand)
Bolting	M10 x 40mm x 4 nos.

Descriptions

- Designed to park all kinds of bicycles
- With personal lock, owners can chain-lock their bicycles to the stand to prevent theft



BICYCLE STAND - MODULAR

Size	H660 x W660 mm
Origin	Japan
Material	Stainless Steel
Racking Size (Length)	
2 systems - 620 mm	3 systems - 1240 mm
4 systems - 1860 mm	5 systems - 2480 mm
6 systems - 3100 mm	7 systems - 3720 mm

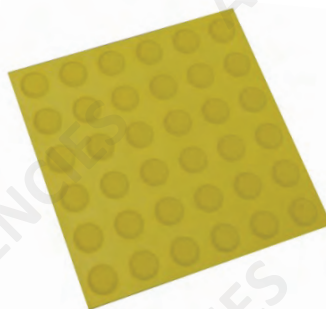
Descriptions

- Knock down system
- Easy customisation and handling
- Depending on the site spaces, the bicycle rack can fit with more than 7 systems



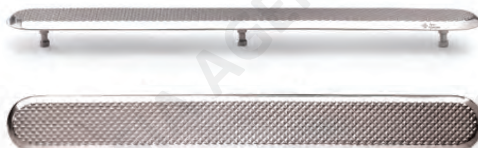
BLIND TACTILE STUD

Size	35 Dia. x T5 mm
Origin	Japan
Material	Grade 316 Stainless Steel



RUBBER TACTILE BRICK

Size	300 x 300 mm
Thickness	8 mm
Origin	Japan
Material	Polymer Rubber

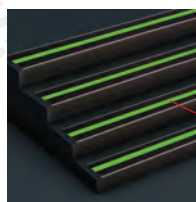


BLIND TACTILE STRIP

Size	L280 x W35 x T5 mm
Origin	Japan
Material	Grade 316 Stainless Steel

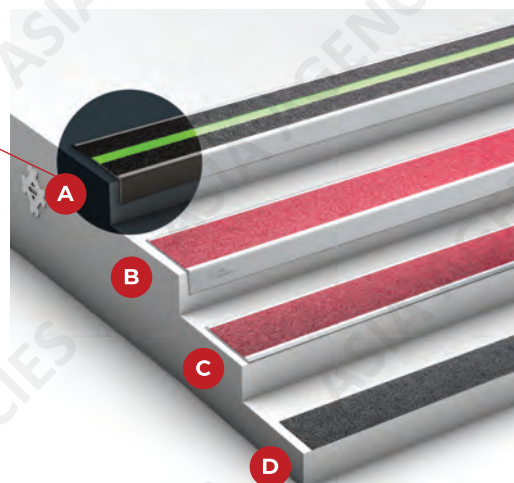
ANTI SKID

During black-out, NIPON luminous strip will glow for the next 4 hours.
Sufficient time for evacuation in case of emergency.



ANTI-SKID TAPE

Size	W50 x T0.4 mm
A	Flat Panel Aluminium (Glow in dark) Black tape with luminous green
B	L Panel Aluminium Red / Black colour tape
C	Flat Panel Aluminium Red / Black colour tape
D	Tape without Aluminium Panel Red / Black colour tape



YELLOW MARKING TAPE

Available	W50 mm
Thickness	2.2 mm
Per Roll	L33 Metres
Colours	Yellow

Descriptions

- When using a torch shine, the marking is reflective
- Design for pasting on all kinds of surfaces
- Made of elastomeric polyurethane, it has a high abrasion resistance



TEMPORARY MARKING SHEET

Size	W100 x T2 mm
Per Roll	L33 metres

Descriptions

- Highly abrasive
- Easy installation & removal
- Glue on with any adhesive
- With glass beads reflectivity

Q-BELT / Q-ROPE SYSTEM



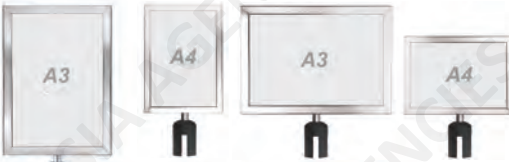
Q-ROPE STAND

Size	H900 x Dia 50 mm
Origin	Japan
Material	Stainless Steel



Q-BELT STAND (DUAL)

Size	H920 x Dia 62.5 mm (Stand) / 2 Metres (Belt)
Origin	Japan
Material	Stainless Steel (Stand)



Q-BELT STAND (SINGLE)

Size	H920 x Dia 62.5 mm (Stand) / 2 Metres (Belt)
Origin	Japan
Material	Stainless Steel (Stand)

Single



STACK-U STAND

Size	H1000 x Dia 51 mm (Stand) / 2 Metres (Belt)
Origin	Japan
Material	Mild Steel (Black Powder Coating)



STANCHION POST

Size	H1050 x Dia 64 mm
Origin	Japan
Material	Polyurethane
Sheeting	3M Reflective



PORTABLE ORANGE BOLLARD

Size	H1150 x Dia 110 mm 410 x 410 mm (Base)
Material	Polymer Plastic
Weight	6.5 kg

- 2 bands of reflective sheeting by 3M



Q-BELT WALL UNIT

Size	H120 x W65 mm / 1800 mm (Belt)
Origin	Japan
Material	Stainless Steel

BARRICADE

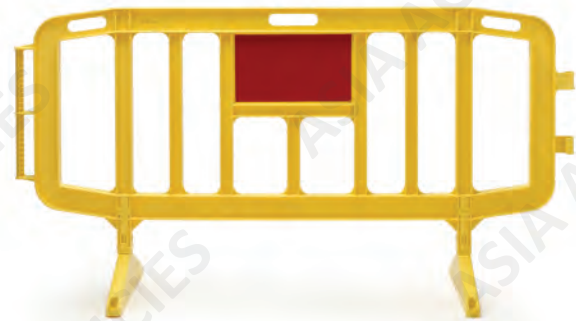


EXPANDABLE BARRICADE

Length	Expand up to 3500 mm
Height	950 mm
Weight	9.9 kg
Origin	Japan
Material	Aluminium (Criss-cross section) Rigid steel (2 main supports)

Descriptions

- Criss-cross aluminium of thickness 4.5 mm, 2 main rigid steel support to maintain stability when stretch open
- Inter-lockable in between of barricade to barricade
- Easy storage with removable "leg"

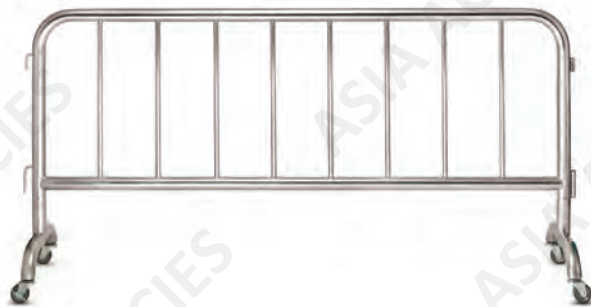


PLASTIC CROWD BARRICADE

Size	L1980 x H1020 mm
Weight	8.8 kg
Origin	Spain
Material	PP Copolymer Plastics

Descriptions

- UV protected to prevent colour fading under hot climate
- Inter-lockable in between of barricade to barricade
- Easy storage with 360° rotatable "leg"

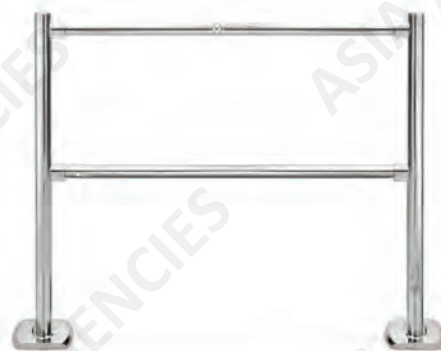


STAINLESS STEEL BARRICADE

Size	L2050 x H1030 x Dia 50 mm
Origin	Japan
Material	Grade 316 Stainless Steel

Descriptions

- Inter-lockable of barricade to barricade
- Easy storage with removable "leg"
- Corrosion and maintenance free
- Lockable wheels



GUIDANCE SYSTEM

Size	(Post) H1075 x Dia 51mm x Thk 1.5mm (Rail) L1120 x Dia 38mm x Thk 1.5mm
Origin	Japan
Material	High Quality Stainless Steel

Descriptions

- Maintenance free
- Inter connectable
- Flexible designed, customized length available
- Suitable for both indoor and outdoor usage

PORTABLE SIGNAGE



HEIGHT LIMIT BAR

Size L3000 x T1.2 x Dia 50 mm

Material Aluminium

An additional signage can be added on the post.



SKIPPER CONNECTOR

Size H240 x Dia 145 mm / 9 metres (Belt)



SKIPPER STAND

Size H1000 mm (Post)
Dia 500 mm (Base)



WALL OR MAGNETIC SUPPORT BRACKET

Size H165 x W125 mm

Able to fix on wall or magnetic onto metal shelving



WALL OR MAGNETIC RECEIVER CLIP

Size H100 x W80 mm

Able to fix on wall or magnetic onto metal shelving



PLASTIC FLOOR SIGN

Size H600 mm

Material Plastic



PLASTIC "A" STAND

Size H1000 x W515 mm



FOLDABLE BARRICADE

Size W520 x H970 mm (Per Panel)

Origin Korea

Material Polymer Plastics

Descriptions

- Portable system
- Easily assembled in 5 seconds
- Easy storage with 1 removable panel
- Weatherproof with stainless steel hinges and joints



ANGULAR SIGN TYPE 1

Size L200 x H200 x T1 mm

Origin Japan

Material Polyvinyl Chloride

Sheeting 3M Reflective

ANGULAR SIGN TYPE 2

Size L200 x H200 x T1 mm

Origin Japan

Material Polyvinyl Chloride

Sheeting 3M Reflective



SQUARE CONE

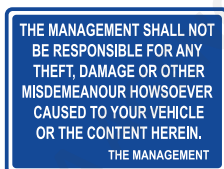
Size H1000 mm

Material Plastic

All our signage uses 3M reflective sheeting. This is to make sure by using the best quality sticker enhance the highest safety level. All stickers are weather-proof with a life-span of approximately 2 to 7 years depending on the type and grade of sticker used. Customized signage services are available too.



SG74



SG75



SG76



SG77



SG78

SIGNAGE SIZES

SG01 - SG66, SG76, SG77	600 x 600 mm
SG70, SG71, SG74, SG75	600 x 450 mm
SG78	450 x 600 mm



S3-STAINLESS STEEL TROLLEY

H1100 mm with 4 lockable castor wheels

S1-GALVANISED SIGN POST FOR SOIL GROUND INSTALLATION

Size 50 x 50 X 2000 mm (Post)

S4-GALVANISED POST WITH BASE FOR CONCRETE GROUND INSTALLATION

Size 50 x 50 X 2000 mm (Post)
200 x 200 mm (Base)

S2-GALVANISED SIGN POST

Size 50 x 50 X 2000 mm (Post)
450 x 450 mm (Base)

WORKZONE SIGN

Size	900 x 900mm (Standard Road)
	1200 x 1200 mm (Expressway)
	600 x 750 mm (Lateral Shift Marker)



TRAPEZIUM WALL SIGN PREVENT HUMAN COLLISION

Size	W150 x H1100 mm
Origin	Japan
Material	Aluminium
Description	• Reflective sheeting by 3M

CONSTRUCTION PRODUCTS



WORKZONE A-FRAME

Standard Size

WORKZONE SIGN

Size	900 x 900mm (Standard Road)
	1200 x 1200 mm (Expressway)
	600 x 750 mm (Lateral Shift Marker)



SOLAR FLASHER TYPE 2

Size	L285 x H100 x W100 mm
	80 LEDs (20 x 4 panels)



REFLECTIVE DISC

Size	Dia 200 mm
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CONE 900 PVC UNBREAKABLE

Size	H900 mm
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CONE 700 PVC UNBREAKABLE

Size	H700 mm
------	---------



CONE RETRACTABLE

Size	H590 mm
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EXTENSIBLE CONE BAR

Length	up to 2 metres
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TRAFFIC ROBOT

Height	1.8M
Weight	25 kg
Mechanism	Dual recoil motorized arm

TRAFFIC LIGHT (WIRELESS SYSTEM)

- No Electrical (AC) Charging Required
- World's No.1 Fully Wireless Traffic Light



CONSTRUCTION PRODUCTS



NYLON VEST

Free Size



STRIP VEST

Free Size



COTTON VEST

Free Size



TRAFFIC GLOVE

Free Size



REFLECTIVE ARM BAND

Size L380 x H100 mm

Material PVC Florescent

Colours Florescent Green & Orange



STOP & GO SIGN

Size L400 x W400 mm (Sign)
1.5 M (Pole)



MEASURING WHEEL

Size Distance up to 10 km



PORTABLE STOP & GO LIGHT

Size H400 x Dia 180 mm



FLASHING ARROW

Size L1200 x H600 mm

Colour Yellow

No. of Lights 15 circular holders

No. of LEDs 15 pieces (per light)

Brightness 12000 mcd / LEDs

BLINKING LIGHTS



MINI SOLAR AVIATION LAMP

8 LEDs

Size H100 x Dia 95 mm



SOLAR AVIATION LAMP

16 LEDs

Size H155 x Dia 148 mm



**FL 7001
BLINKER**

2 x 6 volts battery / LEDs



**FL 7200.1
BLINKER MAGNETIC BASE**

12 - 24V / LEDs

Size H135 x Dia 125 mm



**FL 7300
BLINKER MAGNETIC BASE**

230V / LEDs

Size H140 x Dia 140 mm



**FL 7400 RECHARGEABLE
BLINKER (WORK ZONE)
MAGNETIC BASE**

12V / LEDs

24 hrs operation per charge



**FL 7005 - AMBER
BLINKER**

2 x 1.5 volts battery



**FL 7005 - RED
BLINKER**

2 x 1.5 volts battery



**FL 7006.1
SOLAR BLINKER**

Size H90 x Dia 80 mm

BLINKING LIGHTS / REFLECTORS



**FL 7400.1
BLINKER MAGNETIC BASE**

2 x 1.5 volts battery / LEDs



**SOLAR FLASHER
TYPE 2**

Size L285 x H100 x W100 mm
80 LEDs (20 x 4 panels)



**FL 7011 RL
HAND BATON**

Size L540 x Dia 40 mm



**FL 7011
(5 MODE MAGNET)**

Size L370 x Dia 35 mm
5 different blink mode
Red, Green, LED Front Torch



SECURIC FLARE

Size L250 x Dia 55 mm
4 different blink mode
24 LEDs (12 Red / 12 Blue)



**REFLECTOR
ROUND**

Size 80 mm



**REFLECTOR
GLASS BEADS**

Size 51 mm



**REFLECTOR
TRIANGLE**

Size 110 x 70 mm

WHEEL CLAMP



CC 2500 CAR / MOTORCYCLE	
Size	475 mm
Weight	2.4 kg
Material	Cast Iron Powder Coated
Locking	Push Lock System
Descriptions	Able to clamp up to 245 mm tyres

CC 3500 TRUCK	
Size	510 mm
Weight	2.8 kg
Material	Cast Iron Powder Coated
Locking	Push Lock System
Descriptions	· Able to clamp Class 4 to trailer



CLAMP HOLDER WITH LOCK STAINLESS STEEL
Fits both CC2500 & CC3500



CONTAINER CLAMP LOCK	
Size	80 mm
Weight	0.5 kg



SAFETY CONE WITH CLAMP SIGN	
Size	H900 mm
Weight	2.5 kg

WHEEL CHOCK / KERB CONNECTOR



WHEEL CHOCK 1

Size	L255 x W160 x H190 mm
Origin	Japan
Material	Natural Rubber
Weight	3.1 kg
Usage	Class 3 Vehicles

WHEEL CHOCK 2

Size	L330 x W290 x H270 mm
Origin	Japan
Material	Natural Rubber
Weight	11.8 kg
Usage	Class 4 - 5 / Lorries / Trailers



PLASTIC WHEEL CHOCK

Size	L210 x W145 x H115 mm
Origin	Japan
Material	Polymer Plastic
Weight	1 kg (2 chocks include rope)
Usage	Class 3 / Class 4* Vehicles

*Vehicle must not be full loaded



PVC WHEEL CHOCK WITH METAL HANDLE

Size	L280 x W200 x H190 mm
Origin	Japan
Handle Height	880 mm
Sign Plate	265 x 300 mm

*Customised wording design service available.



KERB CONNECTOR 1

Size	L600 x W300 x H100 mm
Bolting Holes	2 nos.

KERB CONNECTOR 2

Size	L600 x W370 x H150 mm
Bolting Holes	2 nos.

KERB CONNECTOR 3

Size	L600 x W415 x H200 mm
Bolting Holes	2 nos.

KōZUI BARRIER / WATER ABSORPTION BAG



Traditional methods for flood control includes sandbags and waterbags, which requires many labour deployment during emergency.

Today, NIPON developed a new mobile flood control, the **KōZUI BARRIER**, which can be easily assemble within minutes. With super light-weight system, it allows 2 persons to install 10 meters in few minutes.



KōZUI BARRIER

Size	L705 x B680 x H528 mm
Origin	Japan
Material	Polypropylene
Weight	4.4 kgs

NIPON water absorption bag need to be in contact with water so they could expand. The product is commonly use as a perfect flood protection against water pipe burst or serious leakage. Also it acts as a defence to protect your properties from floods caused by the rain.

Made of jute and polymer material with having a thin layer of cotton/non woven bag, internal with SAP super absorbent polymer, the bag is designed to absorb water.

Only 3 mins of absorption, the bag will maximize its absorption capacity of 20 kgs ($\pm 5\%$). This will be subject to the density of the water; having salt, oil, chemical in it... will reduce the absorption rate by up to 10%.



WATER ABSORPTION BAG

Size	L400 x B350 mm
Origin	Japan
Material	Non Woven / Cotton (Bax) SAP Super Absorption Polymer (Internal)
Weight	300 grams

STREET MISC PRODUCTS



SOLAR CURVE ALIGNMENT MARKER			
Main Frame		Solar Panel	
Size	600 x 750 mm	Size	280 x 280 x 15 mm
Origin	Japan	Solar Cell	3V x 360mA
Material	Aluminium	Battery	2 nos. (3 x 2.5AH)
No. of LEDs/MCD	65 nos. / 8000 each		
Frequency	Synchronise 5 rolls 30 times full blinking per min (1 full blinking)		
Base	3M diamond reflective sheeting		



SOLAR FLARE	
Size	W600 x H450 mm (Main Flare Body) W240 x 240 mm (Solar Panel)
Origin	Japan
Descriptions	• 24 hours operation • Save lives • Pre-warning to alert drivers • Flashing LEDs • Allow both internal & external usage



SPEED TRACKER	
Size	H720 x L600 x T180 mm
Origin	Japan
Descriptions	• Using 230 volts • Speed limits can be adjust up/down • Available in KMH or MPH with visibility up to 300 metres • Built-in radar



PORTABLE ROAD HUMPH	
Size	L3000 x W230 x H50 mm
	Japan
Weight	13.5kg



AUTO CAR-LOT RESERVE	
Size	L330 x W430 x H90 mm
Origin	Japan
Weight	13.5 kg
Upright Height	410 mm
Battery	1.5 Volts D size x 4 pieces
Operating Timing	3 - 4 sec
Operating Temp	20 - 45°C

INSPECTION MIRROR

Portable, lightweight and user friendly. Able to view 4 sides of a under-carriage of vehicle, truck and etc. The product is made from polymer plastic. It reduces the breakage rate. Handle is made from aluminium with extendable parts.

Mirror made of acrylic plastic. Breakage resistance. No distortion and is 100% clear.



INSPECTION MIRROR LIGHT WEIGHT

Size	770 mm (Handle) Dia 325 mm (Mirror)
Length	Extensible up to 2300 mm
Origin	Japan
Supply	includes 1 piece torchlight + castor wheels (3 nos.)



Able to view side as well as middle section of a under-carriage of vehicle, truck and etc. The product is made solely from stainless steel material. It reduces the rate of corrosion.

Mirror made from float mirror. No distortion and is 100% clear and 150% brighter than normal mirror. Brightest torch pack is by using LEDs. 30 pieces LEDs are built in the light.



INSPECTION MIRROR STAINLESS STEEL

Size	L370 x B300 x H102 mm (Mirror) 1205 mm (Handle)
Origin	Japan
Supply	includes 1 piece mirror & LED lamp + castor wheels (4 nos.)

Able to view TOP and BOTTOM of a under-carriage vehicle, truck and etc.

Using aluminium as the main frame, it provides the highest level of stability when holding by hand. The mirror is produced with super durable thin acrylic... much higher grade than normal acrylic.



SKYVIEW INSPECTION MIRROR (HANDHELD)

Size	1170 mm (Handle) Dia 160 mm (Mirror)
Origin	Japan

BEAM/ FOAM PROTECTOR



FOAM PROTEX

Size	L1040 mm
Origin	Japan
Material	Polyurethane

Usages

- Low racking system
- Low ceiling at staircase
- Low sidewall, etc

BEAM PROTECTOR TYPE 1

Size	H453 x D165 x W160 x T4.5 mm
Origin	Japan
Material	Polymer Plastic
Fitting Slot	90 x 70 mm

Descriptions

- Reduce damages on I-beam
- Able to absorb 80% impact force



UMBRELLA SLEEVE DISPENSER



UMBRELLA SLEEVE DISPENSER

Size	L300 x H780 x W210 mm L340 x W250 mm (Base)
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Origin	Japan
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Material	Stainless Steel
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SECURITY PRODUCTS

ANTI-TERRORIST TYRE PUNCTURE DEVICE

Size	L8 metres
Origin	Japan
Material	Aluminium Alloy (Spike)
Weight	6.4 kg
Number of Spike	190 pieces



MD 100 METAL DETECTOR

Size	L410 x H45 x W85 mm
Origin	Japan
Weight	400 gm
Voltage	DC9V





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