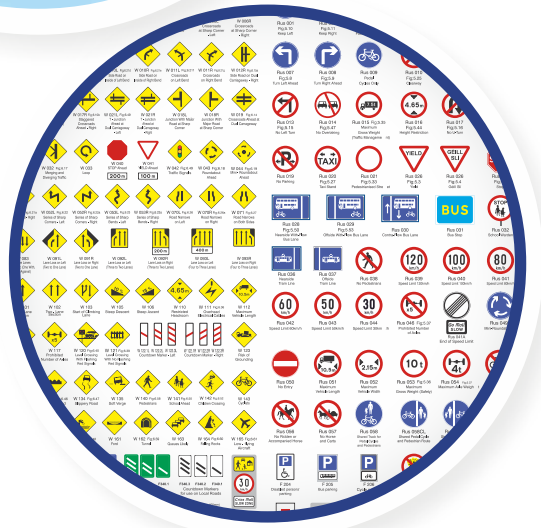


## ROAD SIGNS



[www.hsd.ie](http://www.hsd.ie)

## INTRODUCTION

[www.hsd.ie](http://www.hsd.ie)

We are Ireland's largest CE Certified manufacturer of signs for the roads market, proudly manufacturing all our signs in our facility in Knocktopher, Co. Kilkenny. Our CE certificate of conformance reference is 1358-CPR-0144.

- CE certification since June 2013. We are externally certified to the European Standard I.S. EN 12899-1:2007 - Fixed,
- Vertical Road Traffic Signs and Structures. The scope of this standard is for fixed signs used for the instruction and guidance of road users on public and private land.
- This certification allows us place the CE mark on all our manufactured signs and structures which is mandatory under the Construction Products Regulation 305/2011/EU since the 1st of July 2013.

The system is audited by a notified body on an annual basis to ensure continued compliance. All of our signs are barcoded, to give full traceability of each component used in the manufacturing process.

We are certified ISO 9001:2015 which is an international standard in Quality Management Systems.

We are also certified OHSAS 18001:2007 which encompasses ensuring the health, safety and welfare of people in the workplace. We are committed to continually monitor, measure and improve our operational performance and management systems to promote the utmost standard in health, safety and welfare in the workplace.

### SIGNAGE:

- Road Signs [CE Certified]
- LED & Solar Powered Signs
- Commercial Signs
- Health & Safety Signs
- Tourism Signs, including Aluminium Raised Letter Signs
- Sign Accessories [CE Sign Poles, brackets]

### LEISURE PRODUCTS:

- Waymarker Posts, Walkways & Bridges
- Furniture, Litter Bins and Planters
- Water Safety
- Cycling
- Stiles & Kissing Gates

### ROAD SAFETY:

- Road Safety Barriers – Permanent & Temporary
- Traffic and Pedestrian Control
- Traffic Management Vehicles and Trailers
- Bollards

### SERVICES

- Bespoke Manufacture
- Design
- Delivery
- Installation
- Maintenance & Repair
- Refurbish
- Hire
- Traffic Management
- CNC Routing

## CONTACT US

Contact our dedicated sales team:

Highway Safety Developments Ltd., Knocktopher, Co. Kilkenny, R95 TW83.

Phone: 056-7768702 | Email: [sales@hsd.ie](mailto:sales@hsd.ie) | Fax: 056-7768854

Website: [www.hsd.ie](http://www.hsd.ie) [including webshop]  



## INDEX

|   |       |
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| Tourism Information & Directional Signage .....                             | 15    |



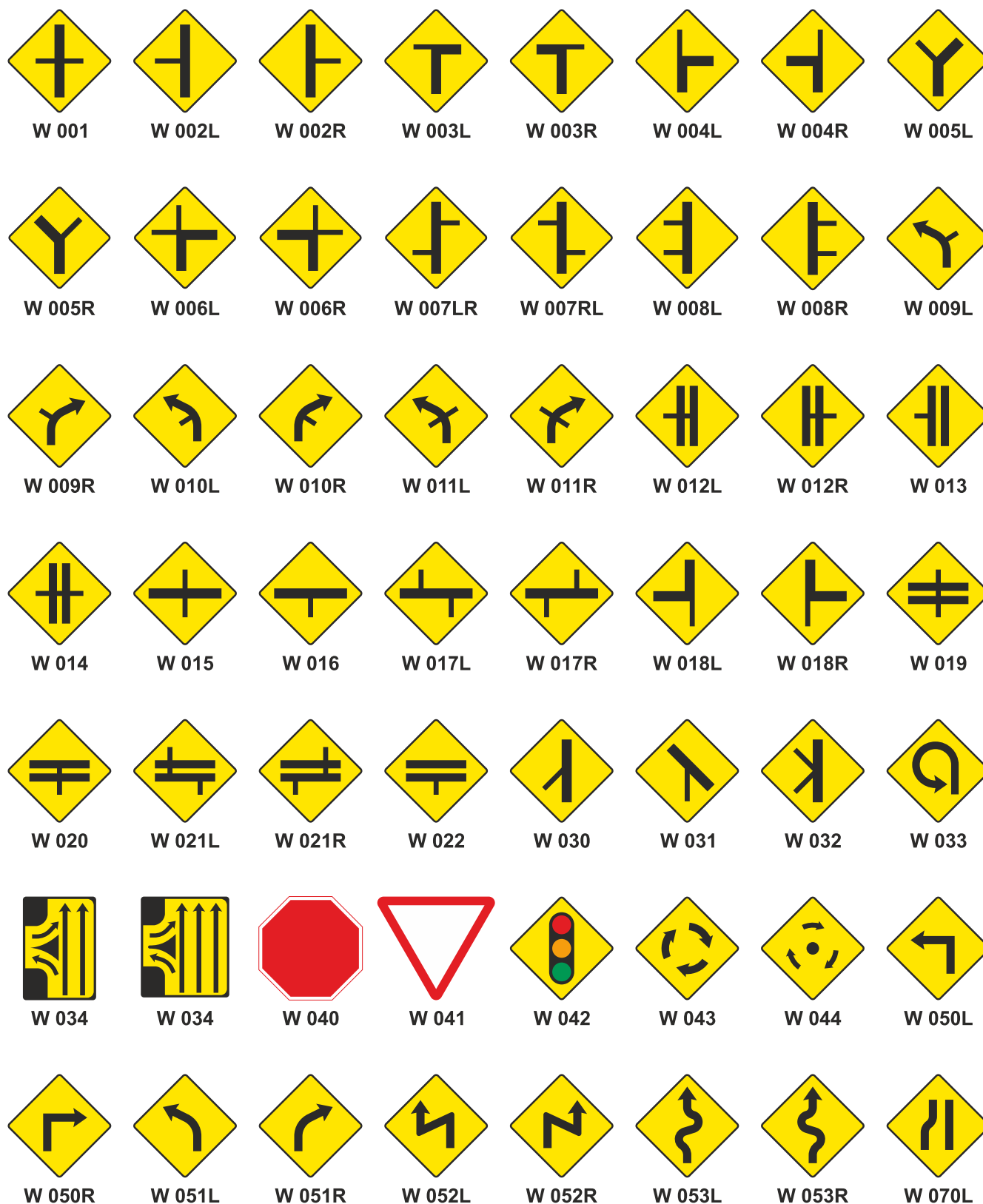
Other brochures available upon request or to download from our website

All Road Signs are manufactured to CE specification.

CE Certified Company 1358 - CPR - 0144/2 Signs & Structures



*Signs & Safety*





W 070R



W 071



W 080



W 081



W 082



W 083



W 091L



W 091R



W 092L



W 092R



W 093L



W 093R



W 094



W 095



W 100



W 101



W 102



W 103



W 105



W 106



W 110



W 111



W 112



W 113



W 114 7.5t



W 114



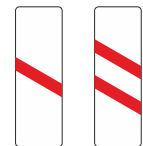
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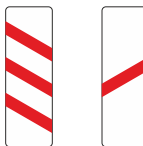
W 116



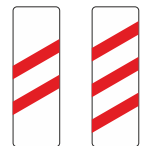
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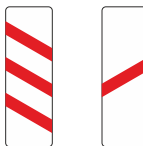
W 122.1L



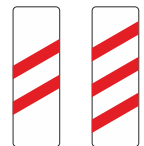
W 122.2L



W 122.3L



W 122.1R



W 122.2R



W 122.3R



W 120



W 121



W 123



W 124



W 125



W 130



W 131



W 132



W 133



W 134



W 135



W 140



W 140A



W 141



W 142



W 143



W 144



W 145



W 150



W 151



W 152



W 153



W 154



W 160



W 161



W 162



W 163



W 164



W 165



W 166



W 167



W 168



W 169



W 169A



W 170



W 183 (1000 x 300mm)  
W183 (2000 x 600mm)  
Barrier Board - Three Bars



W 184 (1400 x 300mm)  
W184 (2800 x 600mm)  
Barrier Board - Four Bars



W 185 (1800 x 300mm)  
W185 (3600 x 600mm)  
Barrier Board - Five Bars



W 061L Single Chevron - Left  
(500mm x 400mm)  
(750mm x 600mm)  
(1000mm x 800mm)



W 062L  
Multiple Chevron (two) - Left  
(1100mm x 400mm)  
(1650mm x 600mm)  
(2200mm x 800mm)



W 063L  
Multiple Chevron (three) - Left  
(1700mm x 400mm)  
(2550mm x 600mm)  
(3400mm x 800mm)



W 061R Single Chevron - Right  
(500mm x 400mm)  
(750mm x 600mm)  
(1000mm x 800mm)



W 062R  
Multiple Chevron (two) - Right  
(1100mm x 400mm)  
(1650mm x 600mm)  
(2200mm x 800mm)



W 063R  
Multiple Chevron (three) - Right  
(1700mm x 400mm)  
(2550mm x 600mm)  
(3400mm x 800mm)



TC400



DNP

## REGULATORY ROAD SIGNS - TSM CHAPTER 5



RUS 001



RUS 002



RUS 003



RUS 004



RUS 005



RUS 006



RUS 007



RUS 008



RUS 009



RUS 010



RUS 011



RUS 012



RUS 013



RUS 014



RUS 015



RUS 015



RUS 016



RUS 017



RUS 018



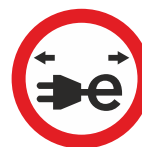
RUS 019



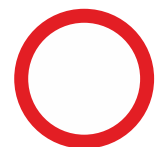
RUS 063



RUS 020



RUS 020A



RUS 021



RUS 026



RUS 026



RUS 027



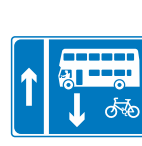
RUS 027



RUS 028



RUS 029



RUS 030



RUS 031



RUS 031



RUS 032



RUS 032



RUS 033



RUS 035



RUS 036

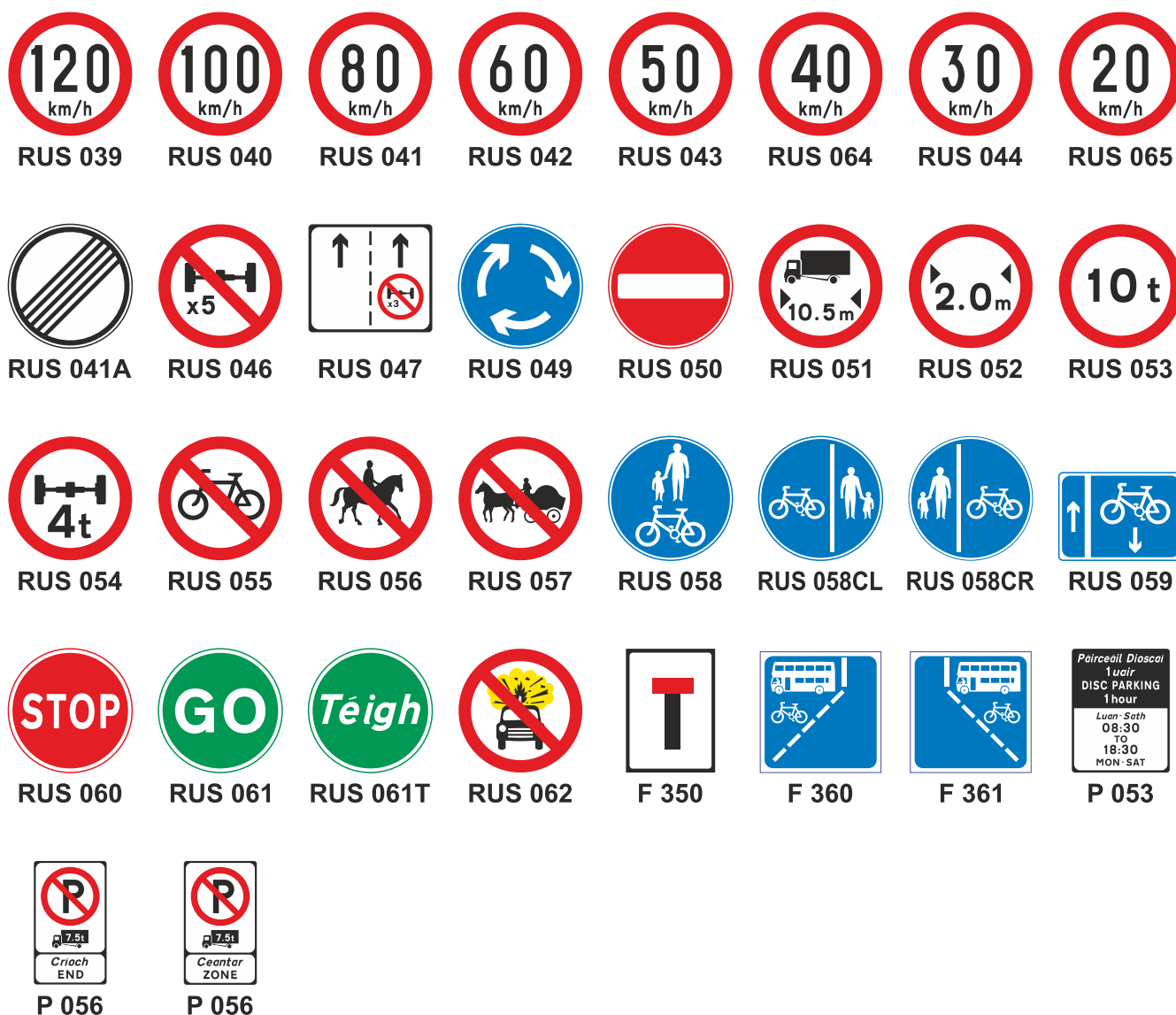


RUS 037



RUS 038





## OTHER INFORMATION SIGNS - TSM CHAPTER 4





F 253



F 160



F 261



F 301



F 302



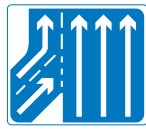
F 303



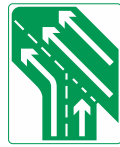
F 304



F 305



F 306



F 307



F 308



F 309



F 310



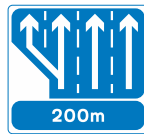
F 311



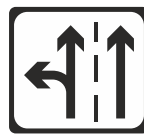
F 312



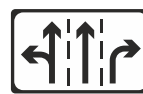
F 313



F 314



F 322



F 323



F 324



F 330



F 331



F 332



F 333



F 334



F 340.3



F 340.2



F 340.1



F 340.3



F 340.2



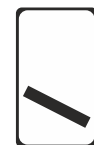
F 340.1



F 340.3



F 340.2



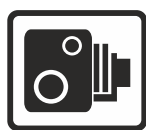
F 340.1



F 400



F 401



F 402



F 402



F 403



F 502



F 510



F 511



F 512



F 700



F 701



F 902



F 903



F 904



F 905



T 100



T 101



T 102



T 103



T 104



T 105



T 106

## ROAD WORK SIGNS - TSM CHAPTER 8

**Signs for use at Road Works.** Signs can be supplied on corriboard, aluminium, aluminium composite, pvc and self adhesive. Sign face material must be class RA2 of EN 12899 in accordance with chapter 8 specification.

Signs can be fitted into frames incorporating any of the above materials to control traffic at road works. Signs should be positioned at Road Works, so as not to cause confusion to the road user. The following table gives details of Road Works Sign dimensions:

| ROAD CLASSIFICATION | SPEED LIMIT      | TYPE OF ROAD                  | DIAMOND WARNING SIGN<br>Length of Side (mm) | CIRCULAR REGULATORY SIGN<br>Diameter (mm) | RECTANGULAR WARNING SIGNS<br>('x' height) |
|---------------------|------------------|-------------------------------|---|---|---|
| Level 1             | 30 km/h          | Single Carriageway            | 600mm                                       | 600mm                                     | 50  |
| Level 2             | 50 or 60 km/h    |                               | 600mm                                       | 600mm                                     | 75  |
| Level 3             | 80 or 100 km/h   |                               | 600mm                                       | 750mm (600mm)                             | 100                                       |
| Level 4             | 80 or 100 km/h   |                               | 750mm                                       | 900mm (750mm)                             | 100                                       |
| Level 5             | 50,60 or 80 km/h | Dual Carriageway and Motorway | 900mm                                       | 900mm (750mm)                             | 100                                       |
| Level 6             | 100 or 60 km/h   |                               | 1200mm                                      | 1200mm (1500mm)                           | 120                                       |



WK 001



WK 010



WK 011



WK 012



WK 013



WK 014



WK 014A



WK 015



WK 015A



WK 016



WK 017



WK 018



WK 019



WK 020



WK 021



WK 022



WK 023



WK 024



WK 030



WK 031



WK 032



WK 033



WK 034



WK 035



WK 040



WK 040A



WK 041



WK 041A



WK 042



WK 042A



WK 043



WK 043A



WK 044



WK 044A



WK 045





WK 045A



WK 046



WK 047



WK 048



WK 049



WK 050



WK 051



WK 052



WK 060



WK 061



WK 062



WK 070



WK 071



WK 072



WK 073



WK 074



WK 080



WK 081



WK 082



WK 084



WK 085



WK 086



WK 087



WK 090



WK 090 A



WK 090 B



WK 090 C



WK 090 D



WK 091



WK 091



WK 091 A



WK 091 B



WK 092



WK 093



WK 094



WK 095



WK 096



WK 097



WK 098



WK 099



WK 100



WK 101



WK 102



WK 105



WK 106



WK 107



WK 110



WK 111



WK 112



WK 113



WK 114



WK 115



WK 116



WK 117



















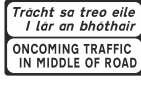


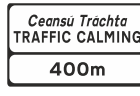


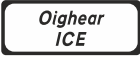

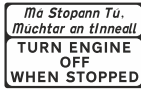



































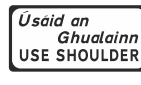

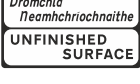



WK 118



WK 119

## SUPPLEMENTARY PLATES

|  |  |  |  |  |   |  |  |
|--|--|--|--|--|---|--|--|
| <br>P 001   | <br>P 002   | <br>P 002   | <br>P 003L  | <br>P 004L  | <br>P 004R  | <br>P 005   | <br>P 010   |
| <br>P 011   | <br>P 040   | <br>P 041   | <br>P 042   | <br>P 050   | <br>P 051   | <br>P 052   | <br>P 054   |
| <br>P 055   | <br>P 057   | <br>P 060   | <br>P 061   | <br>P 062   | <br>P 063   | <br>P 064   | <br>P 065   |
| <br>P 066   | <br>P 067   | <br>P 068   | <br>P 069   | <br>P 069   | <br>P 069   | <br>P 069   | <br>P 069   |
| <br>P 069   | <br>P 069   | <br>P 070   | <br>P 070   | <br>P 070   | <br>P 070   | <br>P 070   | <br>P 080   |
| <br>P 081  | <br>P 082  | <br>P 082  | <br>P 082  | <br>P 082  | <br>P 082  | <br>P 082  | <br>P 082  |
| <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 |
| <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 082 | <br>P 083 | <br>P 084 |
| <br>P 085 | <br>P 086 |  |  |  |   |  |  |

## FOLDING FRAMES

Galvanised free standing sign holder frames available in following sizes:

600mm x 600mm  
750mm x 750mm  
900mm x 900mm  
1200mm x 1200mm

600mm x 450mm,  
600mm x 900mm,  
900mm x 600mm

Anti-Pinch  
option available

Standard  
Frames



Medium Quick  
Release Frame



Tall Quick  
Release  
Frames

## SIGNS, STRUCTURES & INSTALLATION

We manufacture and install a large variety of directional and informational signs that are used nationwide on motorway, regional and local road networks. Our experienced team produce all signs and structures to CE requirements.

We manufacture signs in-house taking the raw materials to finished sign in our state of the art workshops.

We can supply the following sign structures under CE certification:

- Galvanised Posts
- Cranked Posts
- Base Plated Posts
- Passively Safe Posts - Optimast and Jerol (non climb) or Pylons
- H Frames / Cantilever

### Installation

We have specially trained and fully equipped crews for installing all types of signs to TII specification.



## ALUMINIUM RAISED LETTER SIGNS





### PLASTIC FOLDING FRAMES



Signs available in  
600 x 600mm or 750 x 750mm



### CANVAS ROLL UP SIGN

- Space saving and lightweight temporary road sign system
- Significant benefits regarding vehicle capacity and payload
- Unparalleled stability - designed to flex in strong gusts
- Two-piece product very quick and easy to deploy
- Small footprint makes it ideal for works in urban areas
- Prismatic reflective sign faces Class RA2
- Stands produced from galvanised steel square section
- Sign panels produced from reinforced flexible PVCs with GRP spine and ribs
- Sign size available 600mm diamond.



Rus; 060  
STOP



Rus; 061  
GO

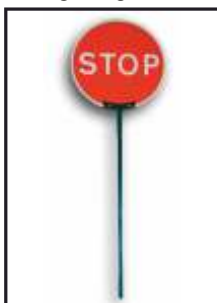


Rus; 061  
TÉIGH

### Collapsible STOP`n`GO Sign

600 mm Ø circle on aluminium plate with Class RA2 of EN 12899 material on face of sign.

Plate is securely fixed to aluminium handle. Handle folds up for convenient storage in it's storage bag.



### SCHOOL WARDEN SIGNS

#### COLLAPSIBLE COMPLETE WITH STORAGE BAG

This school warden sign RUS032 comes with a collapsible aluminium handle, when folded stores neatly in its storage bag.

Easy to collapse and reassemble, it takes less than a minute to complete.

When assembled, the sign is sturdy and easy to use, complete with PVC hand grip and a rubber end stand.



Storage Bag with Handle



School warden sign folds neatly for storage



Assembled School Warden Sign

## F902 - JUNCTION DEFINITION POSTS

As specified in the Traffic Signs Manual: Sign F902 – Junction Definition Post. We supply 2 options: Rigid and Reflex



### RIGID

**Material:** Plastic  
**Diameter:** 200mm  
**Height:** 1000mm  
**Reflective Foil:** RA2 of EN12899  
3 Legged Base for Setting in Concrete

Our standard JDP is made from uPVC, dark green c/w reflective light green and white bands.

### REFLEX

A similar product to our HSD Reflex Post. They can be driven over and they will reflex back to shape, making them virtually unbreakable.

Installed in a similar manner to the Rigid JDP, with options for soft verge installation and concrete installation.

**Material:** Special synthetic  
**Height:** 750mm  
**Diameter:** 200mm  
**Weight:** 3kg  
**Reflective Foil:** RA2 of EN12899

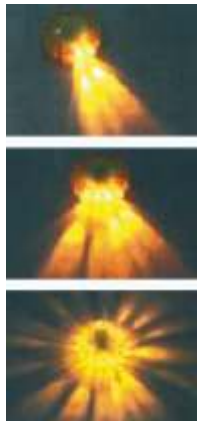


Ground plate (installation in concrete)



## EMERGENCY LED KIT

c/w convenient storage case  
6 no. road flares per case



- Emergency LED kit for dangerous zones, accidents etc.
- 9 different flashing patterns
- Charging from the mains or 12V vehicle socket
- Lithium-ion battery
- Magnetic, shock resistant and waterproof

## TRAFFIC CONES

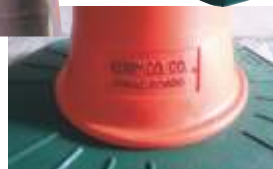
### JSP DOMINATOR

Two part moulded cone with LDPE top and heavy duty composite base, complete with Des 2 sleeve. Conforms to BS 873 part 8 1985 category A.



### BRANDING

Cones available to order embossed conical or base. Minimum quantities apply.



Cone-mounted roadwork signs available.

### TELESCOPIC DEMARCATION POLES FOR CONES



Extendable from 1100mm to 2200mm making the poles adaptable and versatile for various applications.



All Rubber Cone



A NEW JSP blow moulded barrier manufactured from UV stabilised impact modified HDPE. The design process was carried out in tandem with leading contractors to maximise wind flow through and around the system for unbeatable stability.

Tested to ensure wind stability classes within BS8442 are achieved. Frontier™ Cross-Link™ fully meets guidelines as set out by the Safety at Street Works and Road Works: A Code of Practice.



## IPV CRASH CUSHION



We are Ireland's exclusive agents for Scorpion Crash Cushion which is imported under agreement from Traffix Devices Inc, USA. We manufacture bespoke traffic management vehicles to customers specific requirements. The Scorpion Crash Cushion is revolutionary in its design, providing unrivalled performance due to its modular design.

All lights can be worked from a separate generator, when cushion is in place arrow and lights work independently from vehicle.

### HIRE OF IPV CRASH CUSHION

We have a number of crash cushions available for hire. Please contact us for more details.

## INCIDENT RESPONSE TRAILER

**Custom built to customer specifications.**

Available to hire and sell.

We custom build incident response trailers to each customer's specific requirement.

We provide fully equipped trailers with all Traffic Management equipment.





## TOURISM INFORMATION & DIRECTIONAL SIGNAGE



All map information display units are manufactured from galvanised steel frames and aluminium panels. Full unit receives a stove enamelled powder coat paint finish. Maps are digitally printed onto 3mm aluminium plate, protected by a 5mm lexan sheet with inbuilt UV filter. We offer a full in house design facility.

# RAPID INCIDENT RESPONSE SERVICE

- IPV & traffic management vehicles
- Temporary steel varioguard barrier
- Repair to damaged safety barrier
- Hire of warning signs and road cones
- We are a T.I.I. Vehicle Restraint Systems Repair & Replacement Framework Participant Company



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