RAILWAYS

FORGINGS

HIGHWAYS

CONTROLS



WE BELIEVE IN OUR SAFETY PRODUCT, WATCH THE VIDEO HERE

Passive Safe Magnelis Street Lighting Columns

- Advanced geometry Best safety performances according to EN12767
- Advanced steel grade Dual phase steel DP600
- Advanced coating Continuous galavization Magnelis +ZM310
- Superior corrosion resistance
- Self-repairing protection on cut edges
- An alternative to post-galvanising and other metals
- Environmentally responsible



Henry Williams - Safety does not have to cost more



"Public lighting makes roads safer" but in case of a collision, the lighting columns often become dangerous obstacles. When a vehicle hits such a column, the energy generated during the impact will mainly affect the vehicle and its passengers.

The column usually barely moves, which causes the vehicle to be stopped so abruptly and in such a short distance, that a negative impact on the human body cannot be avoided.

The risk of having the front of the vehicle pushed back into the direction of the passengers causing them serious injuries or worse is much bigger than the chance of those passengers getting out of the vehicle alive.

All over the world, people get killed by driving into lighting columns. It doesn't have to be that way...

The passive safe lighting column are developed, CE-marked, patented and manufactured by safety product and licensed for distribution in the UK and Ireland by Henry Williams Ltd.

In case of a collision, the strong conical shape changes into a soft ribbon. While the pole yields the speed of the vehicle gets slowed down accordingly. The yielding of the street lighting column softens the impact for the passengers while the vehicle stays in shape. The risk for injuries stays limited.

The column is constructed to yield no matter in which direction the pole is hit by the car. The rivets or weakest points will always break in an impact and the strength will be lost and the deformation of the column will absorb the energy of the impact.



PASSIVE SAFETY DOES NOT HAVE TO BE EXPENSIVE

- Low cost to purchase due to automated manufacturing.
- Easy and quick to install just like a conventional lighting column, no special base or foundation is required and only one trip to site is required.
- Less likely to be stolen by metal thieves.

No requirement for an expensive electrical breakaway system due to the column not shearing from the base.

- 25 year manufacturer's corrosion warranty on Magnelis zippoles and 20 years in a c5m environment.
- 10 times more corrosive resistant then hot dipped galvanised zinc.
- Withstands corrosion even if scratched or

- drilled due to alloys
- within the material.
 Strong enough to take vandalism or slow moving vehicle impacts without having to replace.

BETTER TO OUR ENVIRONMENT

- Can be fully recycled after collision.
- Low CO2 footprint during manufacturing







THE HIGHEST PASSIVE SAFETY LEVEL THAT CAN BE ACHIEVED

07

- CE approved to be installed on highways agency or local authority maintained roads.
- The column has the highest safety level for occupants (class 3) in the energy absorption category HE (High Energy absorbing) conforms to EN40 & EN 12767.
- Will always yield no matter which direction it is hit and at what height the impact happens.
- The column slows the vehicle down safely after impact which is important on getting the speed out of the colliding car.

NOT JUST ANY OLD STREET LIGHTING COLUMN

- Can be customised to take flower basket or decorative lighting outreach brackets.
 Choose from a variety
- Choose from a variety of root treatments.
 Can be powder coated
- to your colour specification
- Can be flanged mounted for installation on bridges, raised structures and central reservations.
 Choose from a variety of corrosion resistant cam-locks

A171 Bridge, Helredale Rd, Whitby showing Parapets and ZIPpoles supplied by Henry Williams







Henry Williams -Passive Safety Street Lighting Columns

MATERIAL

d3

Magnelis Special Steels

IN ACCORDANCE WITH

- EN 40 Lighting columns
- EN 12 767 Passive safety of suppor structures for road equipment
- Speed class: 100 km/h
- Energy absorbing category: HE (High Energy)
- Safety level for passengers: 3



Туре	Height h (m)	Foundation f (mm)	d1 (mm)	d2 (mm)	d3 (mm)	Weight (kg)
ZP1-5	5	1000	172.5	146	85	50
ZP1-6	6	1000	187	161	85	57
ZP1.2 -7	7	1200	204.5	175.5	85	75
ZP1.5-6(114)*	6	1500	223.5	190	114	80
ZP1.5 <i>-</i> 8 *	8	1500	223,5	190	85	86
ZP2-10 *	10	2000	260	219	85	126

We also offer extensions brackets on the ZP2-10 for heights up to 12 metres 15m & 18m lighting columns available on request.

Henry Williams Limited

d1

d2

95

000

00

Dodsworth Street Darlington County Durham DL1 2NJ United Kingdom

12

Tel: +44 (0) 1325 462722 Fax: +44 (0) 1325 245220 Email: info@hwilliams.co.uk Web: www.hwilliams.co.uk



