


<b>Report No.: 0-05EP1BLW15990</b>	<b>Specimen: Steel Mast</b> KLM 80/76/2,0 KLM 100/76/2,0 KLM 120/60/2,0	 Accredited Testing Agency Concept Tech GmbH 8101 Gratkorn / Graz Concept Straße 1 PSID 307
<b>Passive safety of support structures</b> <b>EN 12767:2007</b> as amended in EN 12767:2008-01	Inspection Engineer: Manfred Harrer Place of Inspection: Kragola, Polen Inspection Date: 25.4. – 30.4.2013	
<b>Impact Test for Activity Type Determination</b>		

## Annex 1

# Certificate

The testing agency of the company:

**Concept Tech GmbH**  
**Concept Street 1**  
**A-8101 Gratkorn**

herby confirms, that the tested product family of steel made lighting columns with the type declaration:

*lighting column 8m type declaration* **KLM/80/76/2,0**  
*lighting column 10m type declaration* **KLM/100/76/2,0**  
*lighting column 12m type declaration* **KLM/120/60/2,0**

of the manufacturer:

**Europoles GmbH & Co KG**  
**Ingolstädter Street 51**  
**D-92318 Neumarkt**

achieves a categorization of:

**100 HE 3**

according: **EN 12767:2007 - Passive safety of support structures for road equipment**

Summary of inspection results:

Test declaration	Test vehicle [Model]	Column length [m]	Impact angle [°]	Impact velocity [km/h]	Ricochet velocity [km/h]	ASI [g]	THIV [km/h]	Energy absorption category	Passenger safety
M2 A 35 12	Susuki Swift	12	20	35,4	0	0,6	27	HE	3
M4 B 100 12	VW Polo 6N	12	20	100,5	33,2	1,0	27	HE	3
M5 T 35 8	Trolley car	8	20	36,9	0	0,5	21	HE	3
M6 T 35 12	Trolley car	12	20	35,4	0	0,6	24	HE	3
M8 T 100 8	Trolley car	8	20	97,6	43,9	0,7	27	HE	3
M9 D 100 8	Subaru Vivio	8	20	95,1	33,4	0,8	27	HE	3

Pretests at a speed of 35[km/h] with the trolley car, have shown the compliance to the boundary conditions for the testing vehicle according to DIN 12767 chapter 6.2.2.

Concept Tech GmbH / Testing Agency PSID 307

  
Ing. Helmut Honauer / Director of Testing Agency



Gratkorn 12.06.2013