



# CG Holdings Belgium NV

## Systems Division

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Client: **Republic of Kenya – Ministry of Energy**

Project Name: **Nanyuki - Isiolo - Meru  
Electrification Project**

Contract Number: MOE-P4-2011

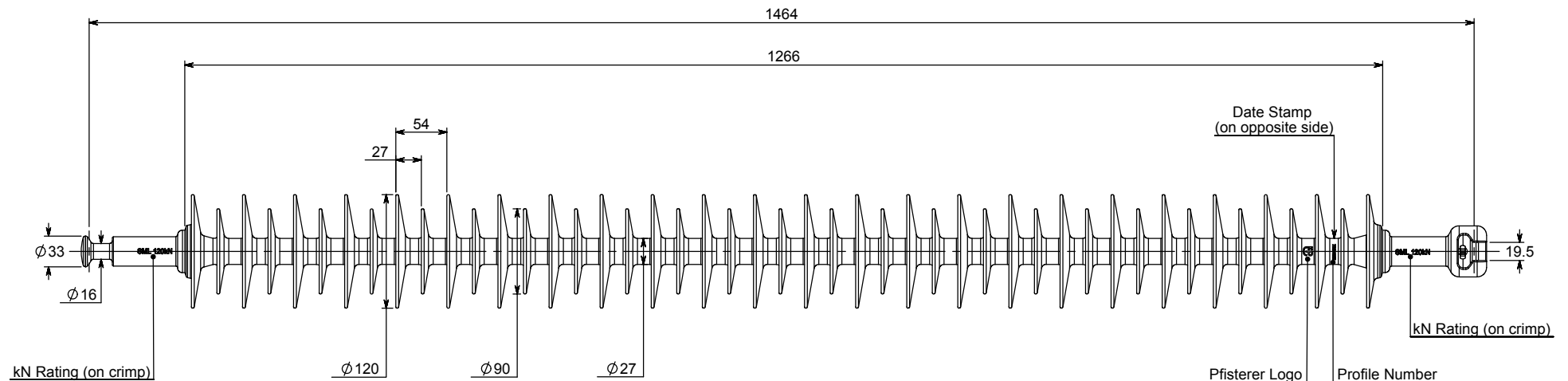
Document Title: **OHL 132 kV INSULATOR DRAWING**

Project Number: 100008  
Document Number: 100008-L0-DG-CA07  
Revision: 01

This document contains the following:

No.	Vendor Document number	Vendor Rev.	Description	Pages
1	144 032- 001	N/A	Insulator	1

01	21/05/2013	First issue	PFISTERER	NWLS	RCAV
Rev.	dd/mm/yyyy	Description	Created	Checked	Approved



**Technical Data:**

One minute power frequency withstand voltage (50Hz, wet) = 395 kV  
One minute power frequency withstand voltage (50Hz, dry) = 465 kV  
Lightning impulse withstand voltage (1.2/50, positive) = 775 kV  
Minimum dry arcing distance = 1321 mm  
Minimum creepage distance = 4525 mm  
Specified mechanical load (SML) = 120 kN  
Routine test load (RTL) = 60 kN  
Number of sheds (small / large) = 23/24  
Mass (approx.) = 5.29 kg

Ball in acc. to IEC 60120 (16)

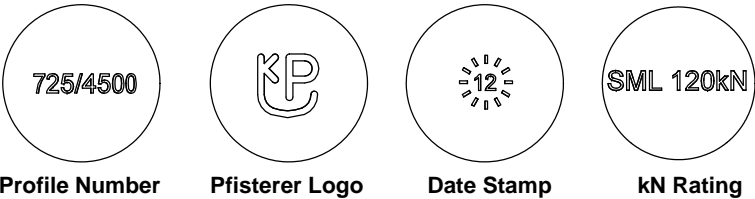
Socket in acc. to IEC 60120 (16A)

Electrical & Mechanical ratings are in acc. to IEC 61109

**Material Data:**

Polymeric Housing: Injection Moulded HTV Silicone Rubber with ATH Filler (Grey, min. 3mm thk.)  
Composite Core: Pultruded ECR-Glass Fibre & Epoxy Resin (Ø19mm Rod)  
End Fittings: Drop Forged Steel - Hot Dip Galv. in acc. to EN ISO 1461 (min. ave. 120µm thk.)  
Cotter Pin: Stainless Steel

**Insulator Markings:**



Description	Unspecified Tolerances	Weight		Substitute for	
		kg			
<b>Silicone Longrod Insulator HASDI 725/4500 c/w 16mm Ball &amp; Socket (A)</b>	In acc. to: IEC 61109 IEC 62217 IEC 60815 IEC 60120	Drawn By	08/12	CLN	
		Checked By	08/12	JEG	
		Approved By	08/12	STS	
	Material			Revision	009
<b>PFISTERER (PTY) LTD</b>		Scale	Drawing/Part Number		
		N.T.S.	<b>144 032-001</b>		