

CANTILEVER SYSTEM FOR RAILWAY, TRAMWAY AND TROLLEYBUS

SAVES ASSEMBLY TIME AND STORAGE COSTS

ARCAS

(ADAPTABLE CANTILEVER SYSTEM FOR TRAINS, TRAMS, AND TROLLEYBUSES)

A **patented** development by Kummler+Matter designed on the basis of the tried-and-tested **modular system**. This system **reduces the number of parts in your inventory** to the minimum. Because there are only a few standard parts, the system **can be installed on site much faster**. The overall weight is significantly reduced thanks to a skilful combination of design and choice of materials. This system has been operated successfully in many different projects **across the globe since 1999.**

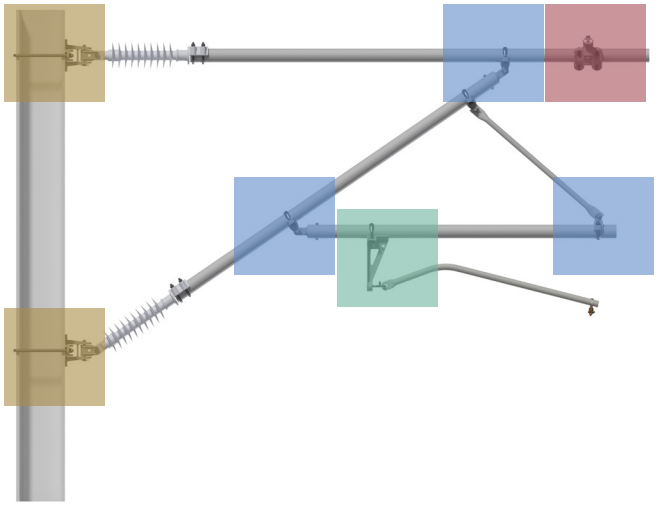
Kummler+Matter

ARCAS MODULAR CANTILEVER

APPLICATION AREA

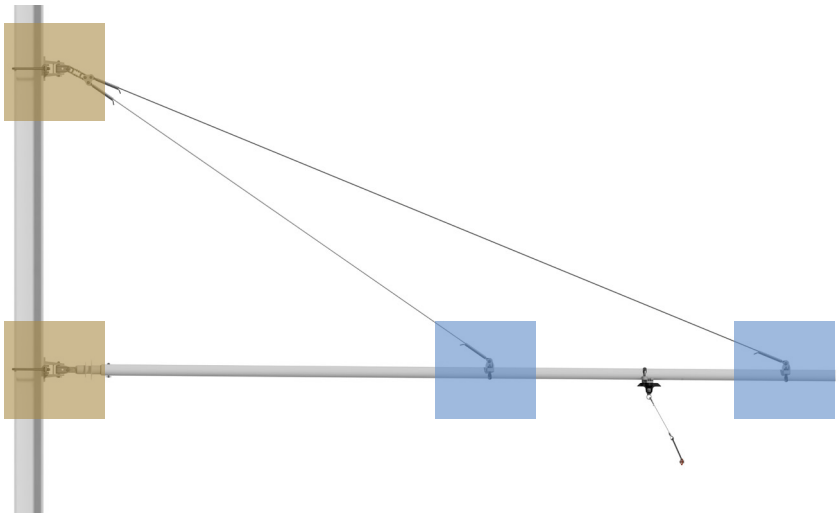
RAILWAY / LIGHT RAIL

- Voltage up to 25 kV AC / 3 kV DC
- For profile pole widths of 100–300 mm
- For round poles Ø115–500 mm
- Single and double insulation
- Silicone insulators
- Tubes Ø38–90 mm



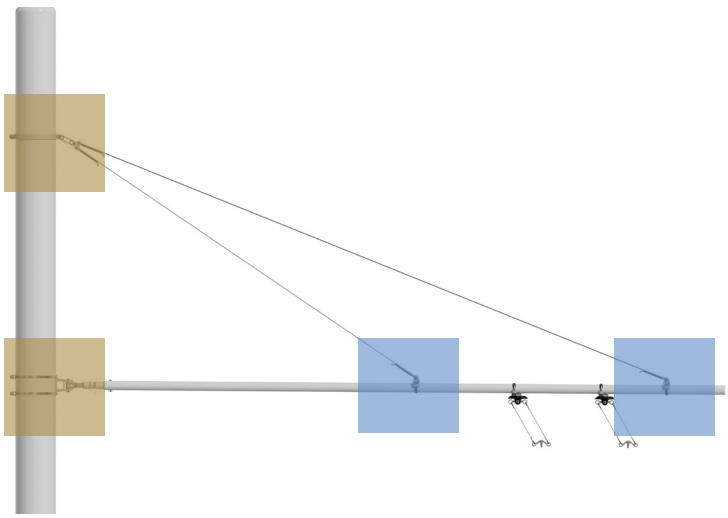
TRAMWAY

- Voltage up to 750 V DC
- For profile pole widths of 100–300 mm
- For round poles Ø115–500 mm
- Double insulation
- Silicone insulators
- Tubes Ø60–90 mm

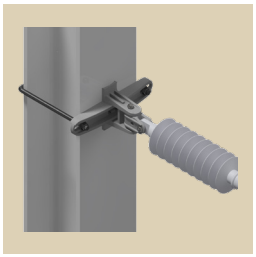
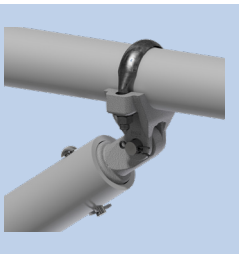
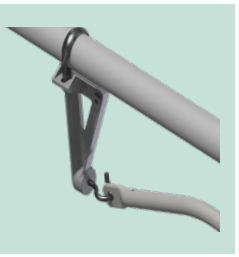
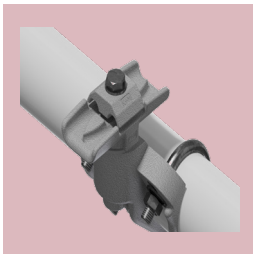
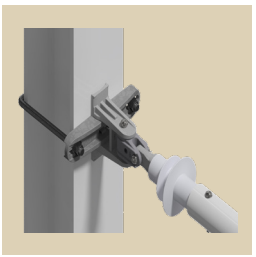
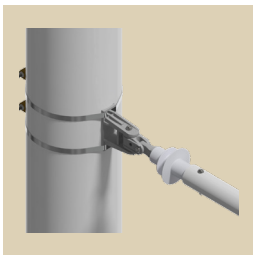
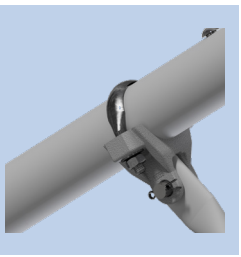
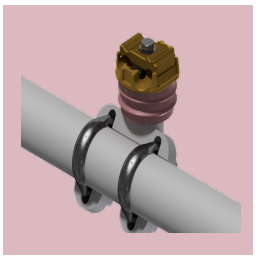
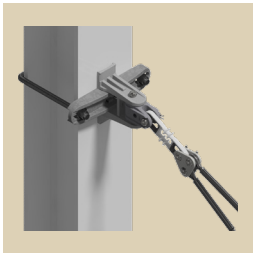
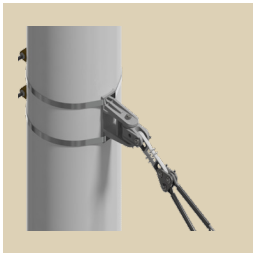
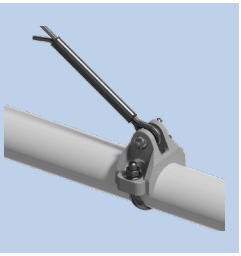
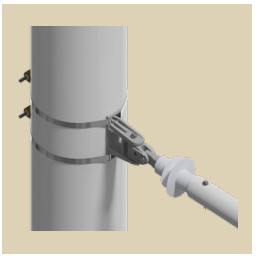
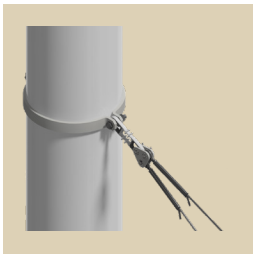
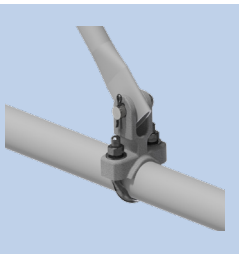
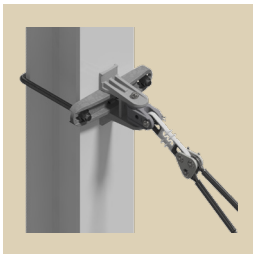
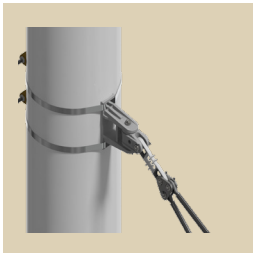
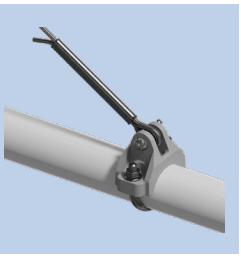
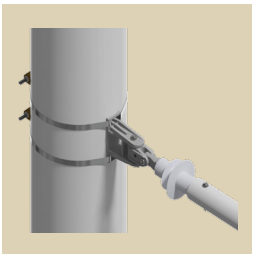
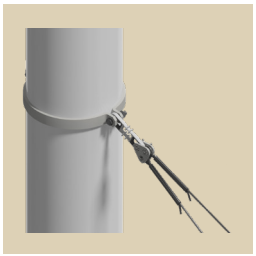
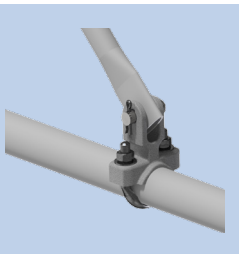


TROLLEYBUS

- Voltage up to 750 V DC
- For profile pole widths of 100–300 mm
- For round poles Ø115–500 mm
- Double insulation
- Silicone insulators
- Tubes Ø60–90 mm



ONE SYSTEM – MULTIPLE POSSIBILITIES

MAST BRACKET		PIPE ATTACHMENT	DROP BRACKET	MESSENGER CABLE SUSPENSION
				
				
				
				
				
				

ARCAS MODULAR CANTILEVER

MINIMAL INVENTORY

Our tried-and-tested modular system comprising multifunctional parts reduces the number of required parts to the minimum.

SPEEDY INSTALLATION ON SITE

With just a few bolted or plug-type connections, fast pre-assembly and installation directly on site are guaranteed.

PROVEN QUALITY

All the products are made of corrosion-resistant materials. Tried-and-tested aluminium and bronze casting alloys provide the basis. Comple- mented by stainless steel connectors, they guarantee long service lifetimes with constant quality. The compact design reduces the systems weight by 25 percent as compared to other products.

YOUR ADVANTAGES AT A GLANCE

- **Minimal storage requirements**
- **Reduced weight**
- **Shorter installation time**

- Excellent flexibility thanks to the modular system
- Cost-efficient – because ARCAS can be integrated into existing systems
- Doubly insulated systems in the DC section
- Re-usable joining pieces
- For tramways, local and long-ditance traffic, regardless of the catenary

SPECIFICATIONS

- Tube materials of aluminium, steel or fibreglass reinforced plastic (FRP)
- Contact wire cross-section up to 180 mm² (350 MCM, USA) for 25 kN tensile load
- Messenger cable cross-section up to 255 mm² (500 MCM, USA) for 45 kN tensile load

TESTS AND STANDARDS

- EN 50119

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A **COLAS RAIL** COMPANY

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