

Polymer Insulator

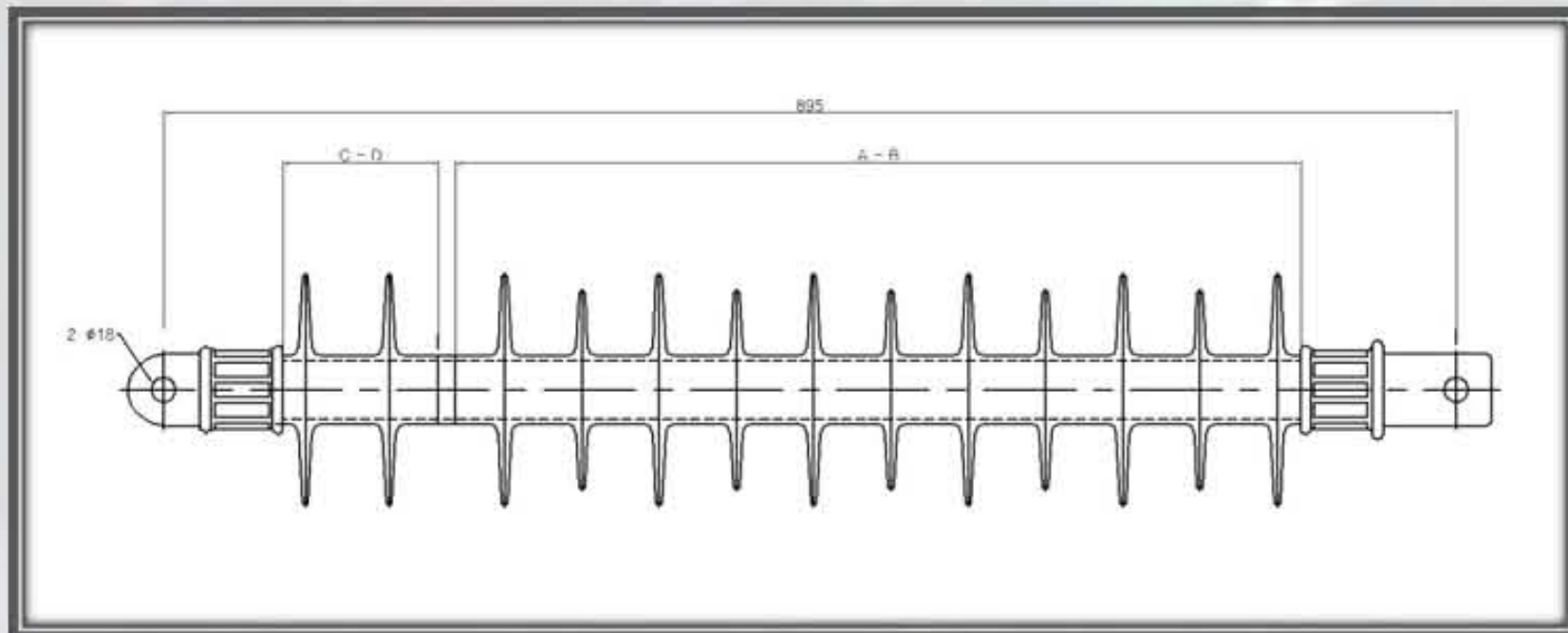
Long Rod Insulator Type for Electric-Railway (Application N-a, T-m)

(Scope)

These long rod polymer insulators has used operation bracket of 25kV catenary system for railway.

[Specification of Long Rod Polymer Insulator of T-m Type for Electric-Railway]

	Description	Unit	Requirement
Dimension	Surface creepage distance	Mm	Min. A-B:1,250 Min. C-D:230
Mechanical Value	Cantilever failing load	N.m	Min. 3,432
	Tensile proof load (1min)	Kg/N	Min. 6,000/ Min. 54,917
Electrical Value	Low-frequency flashover voltage[Dry]	kV	Min. A-B:230 Min. C-D:70
	Low-frequency flashover voltage[Wet]	kV	Min. A-B:180 Min. C-D: 50
	50% Critical impulse flashover voltage	kV	Min. A-B:380 Min. C-D:100
Radio-Influence Voltage	rms to ground	rms kV	25
	Max. RIV	μV at 1000kHz	10



[Drawing: Long Rod Polymer Insulator of T-m Type for Electric-Railway]

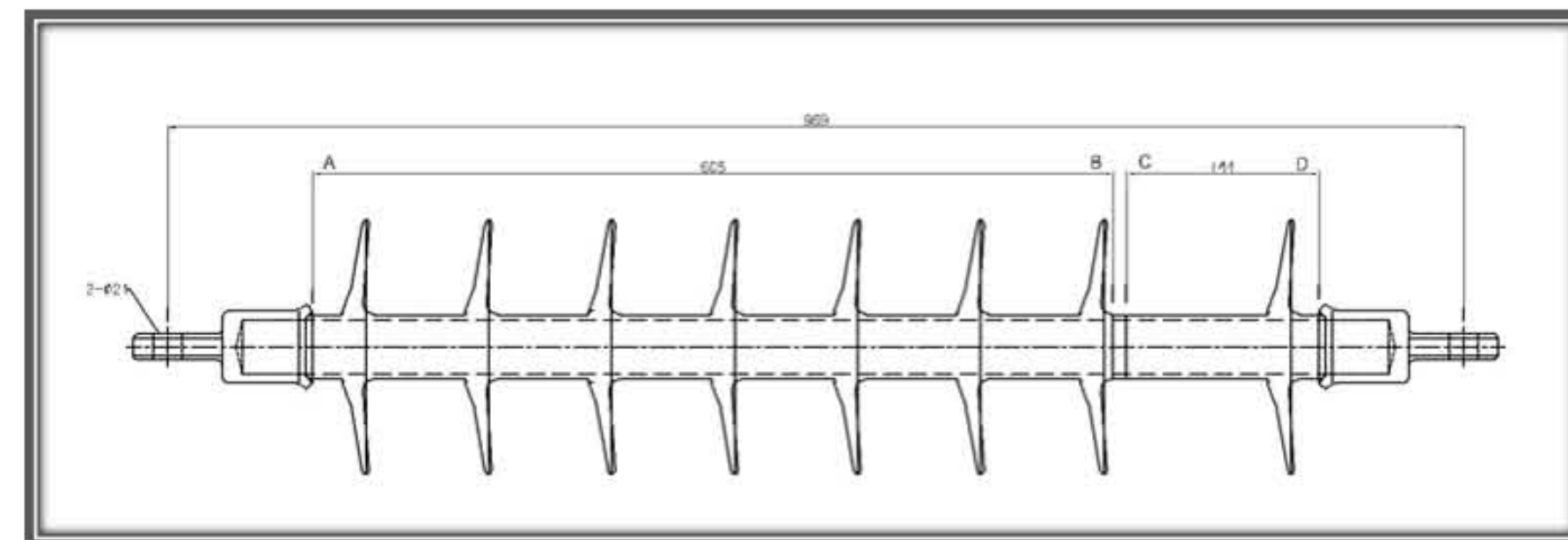
[Specification of Long Rod Insulator Polymer Type for Electric-Railway N-a]

	Description	Unit	Requirement
Dimension	Surface creepage Distance	mm	Min. A-B:1,400 Min. C-D:240
Mechanical Value	Cantilever failing load	N.m	Min. 1,863
	Tensile proof load [1min]	N/Kg	Min. 54,917/ Min. 6,000
Electrical Value	Low-frequency Dry flashover voltage	kV	Min. A-B:250 Min. C-D:80
	Low-frequency Wet flashover voltage	kV	Min. A-B:200 Min. C-D: 55
	50% Critical impulse flashover voltage	kV	Min. A-B:400 Min. C-D:110
Radio-Influence Voltage	rms to ground	rms kV	25
	Max. RIV	μV at 1000kHz	10

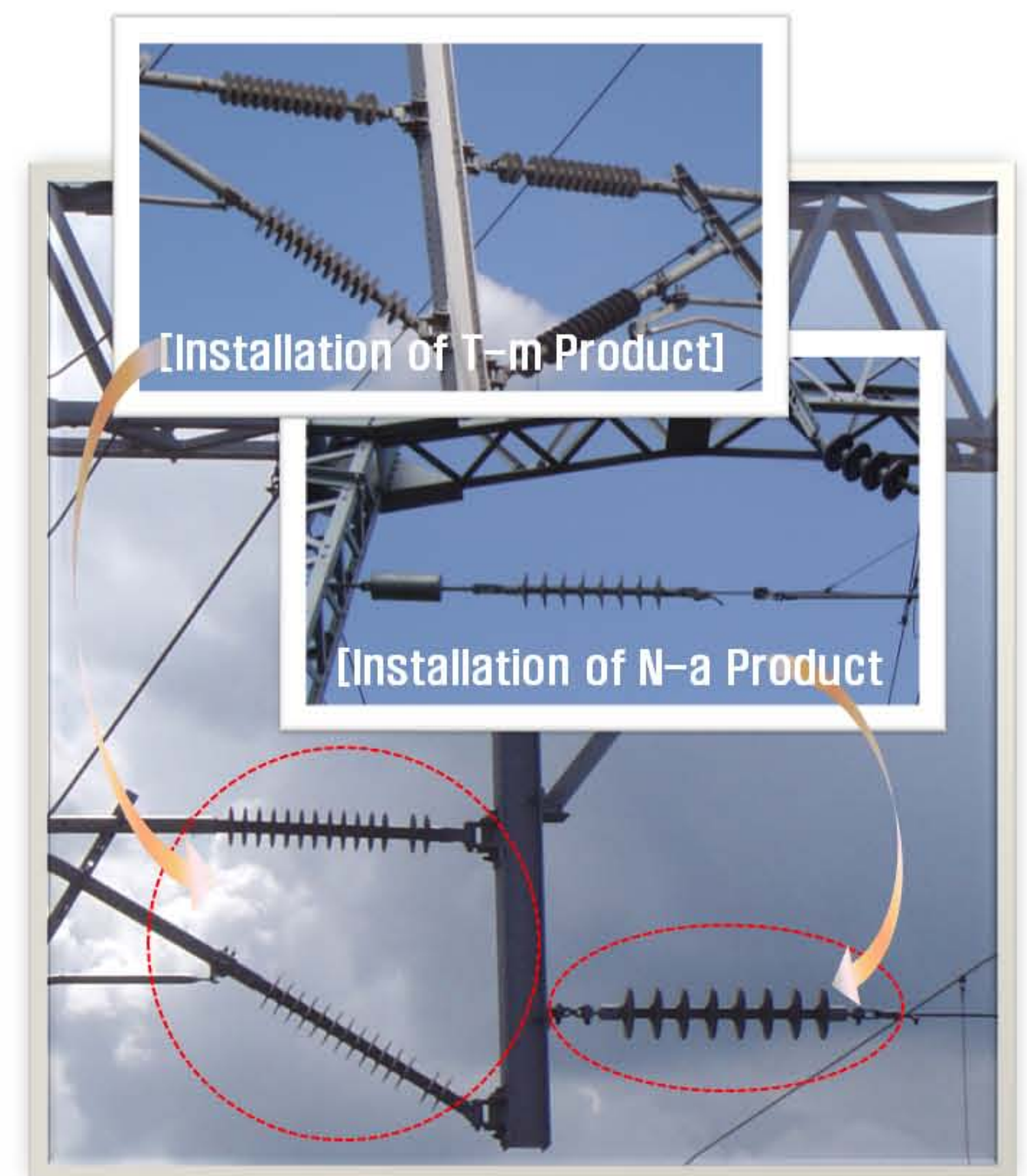
[Long Rod Polymer Insulator of N-a Type for Electric-Railway]



[Long Rod Polymer Insulator T-m Type for Electric-Railway]



[Drawing: Long Rod Polymer Insulator of N-a Type for Electric-Railway]



[Field Application]

