

Project:	V5523, OPGW: TR Řípov – Mast Nr. 76
Conductor / earth wire / OPGW	OPGW
Designation:	2S 2 / 24 (M167 / R91 – 228) - Ø 17,70 mm
Tension:	≤ 50,66MPa
At the request of:	EGEM s.r.o.
Date:	16.04.2024
Internal request:	2024_086

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1. Vibration damper types

- Damper type 1 B853002A03 (consisting of damper B853002 and attachment rods TW184043)
- Damper type 2 B161003A05 (consisting of damper B161003 and attachment rods TW310062)

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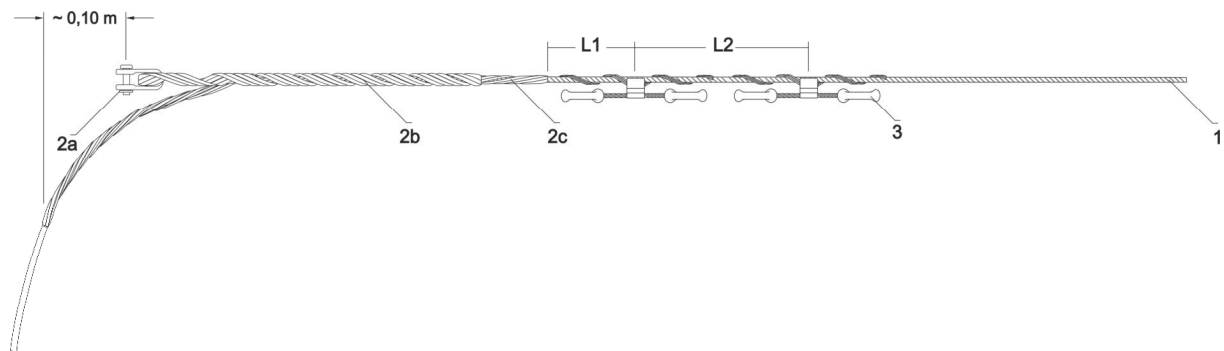
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2. Damper placement recommendation at tension tower



L1 = 0,5 m

L2 = 0,6 m

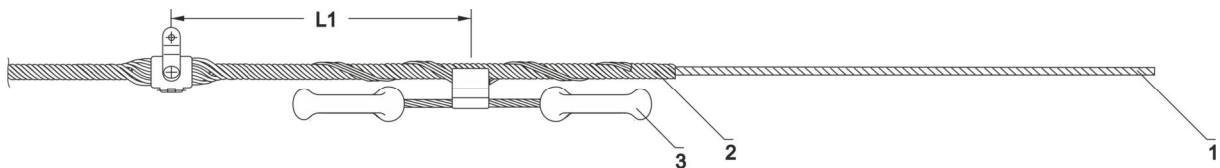
Not to scale

Tolerance for placement of dampers ±0,01 m

1	OPGW	2S 2 / 24 (M167 / R91 – 228) - Ø 17,70 mm
2	Dead end	Consisting of
2a	Thimble	F02686A02
2b	Dead end	AW252152
2c	Protection rod	RW193220lis
3	Vibration damper ID	B853002A03 (consisting of damper B853002 and attachment rods TW184043)

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3. Damper placement recommendation at suspension clamps



L1 = 0,6 m

Not to scale

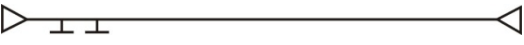

Tolerance for placement of dampers ±0,01 m

1	OPGW	2S 2 / 24 (M167 / R91 – 228) - Ø 17,70 mm
2	Suspension clamp consisting of clamping unit armour rods	Armor grip suspension unit LTA179200.Li.S19 B801051-51A02 KA179200LIS
3	Vibration damper ID	B161003A05 (consisting of damper B161003 and attachment rods TW310062)



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4. Maximum span lengths protected



Spans between tension clamps (TT - TT)

Span type	span length m	Damper type at span end	Diagram (not to scale)	Damper type at span end
TT – TT	≤ 230	2 x type 1		-
TT – TT	>230 – 350,9	2 x type 1		2 x type 1

Spans between suspension and tension clamps (ST - TT)

Span type	span length m	Damper type at span end	Diagram (not to scale)	Damper type at span end
ST – TT	≤ 230	-		2 x type 1
ST - TT	>230 – 350,9	1 x type 2		2 x type 1

Spans between suspension clamps (ST - ST)

Span type	span length m	Damper type at span end	Diagram (not to scale)	Damper type at span end
ST - ST	≤ 230	1 x type 2		-
ST - ST	>230 – 350,9	1 x type 2		1 x type 2

 tension clamp (TT),  suspension clamp (ST),  vibration damper

Damper type 1 B853002A03

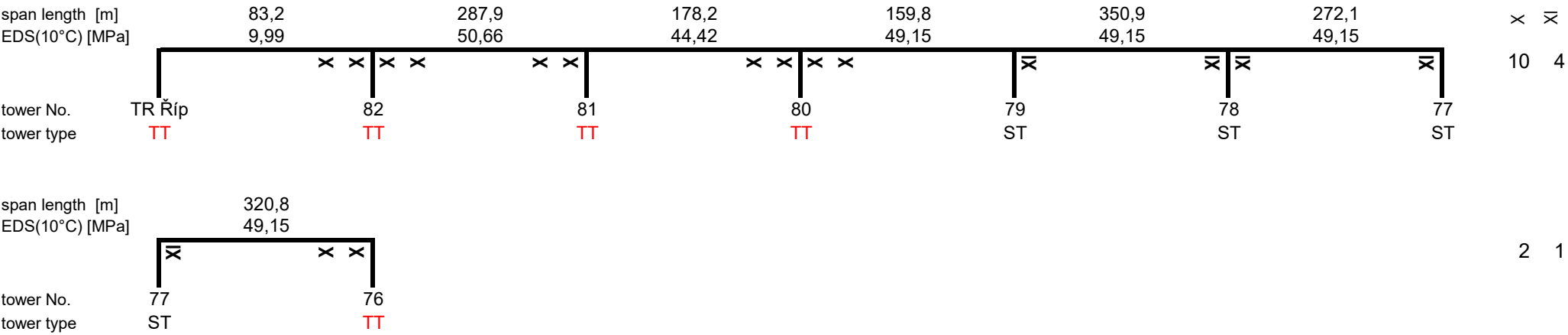
Damper type 2 B161003A05

Damper distribution chart and quantities

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OPGW: 1 x 2S 2 / 24 (M167 / R91 – 228) (Ø17,7)



TT = tension tower
ST = suspension tower

x = damper
x = damper on armour rods

total (1 x): 12 x B853002A03 (x)
5 x B161003A05 (x)

Information:
The installation instruction applies only to the line and dampers indicated above.