

Technical Documentation

Assembled induction loop
For installation between asphalt layers



A.T.T.

AUTOMATISCHE TÜR- UND TORANTRIEBE
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Field of applications

- Used as Impulse – or safety loop for barriers and automatic doors
- Particularly suitable for installation between asphalt layers
- For areas with high ambient temperatures and additional high mechanical demands

Special advantages

- No visible cuts in the asphalt surface
- Highly temperature resistant due to PTFE – Coating that reduces damages on the loop
- Stability against abrasion through high-strength PTFE (Teflon) wire coating

Product characteristics

Temperatur balance	Cable -190 ° C to + 250 ° C Flexible grid hose -70 ° C to + 125 ° C (+ 250 ° C short-term)
Voltage range	maximum 300V
Water resistant	suitable for outdoor
Cable coating	notch resistant cable coating out of PTFE (Teflon)
Cable material	fine wired and turned copper wire
Supply cable	twisted / not shielded
Flexible grid hose	PTFE (Teflon) material Good resistance to abrasion, chemicals and heat

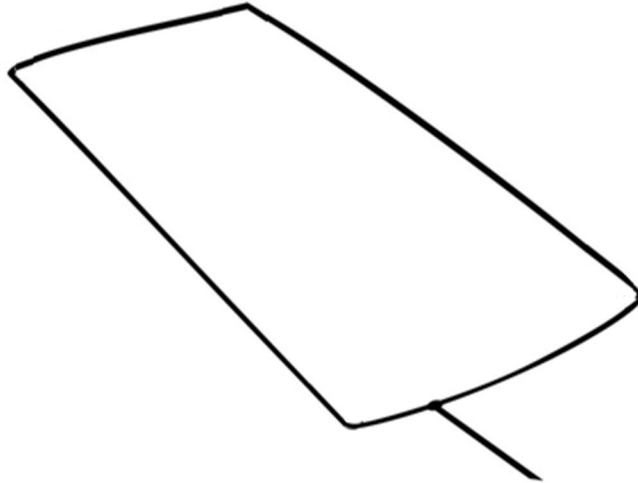
General notes for the user advice

- The loop circumference should amount to at last 4m but maximal 25m
- The aspect ratio should by no means pass the value of 4:1
- With supply lines above 15m shielded cables have to be used
- the minimum distance between induction loop and ground reinforcement should be 5 cm at least
- By floor heating an induction loop is not possible
- The distance to immovable metal masses (e.g. electronic doors) should amount to at least 100 cm
- The distance to immovable metal masses (e.g. drain covers) should amount to at least 50 cm
- Induction loops and supply lines must not be installed near high-voltage cables or power cables
- The supply cable must not be rolled up but shortened to their necessary measure

**However, the advice from the data sheet of the used induction loop detector should be followed.
Those advices are merely suggestions!**

Instruction to lay an induction loop

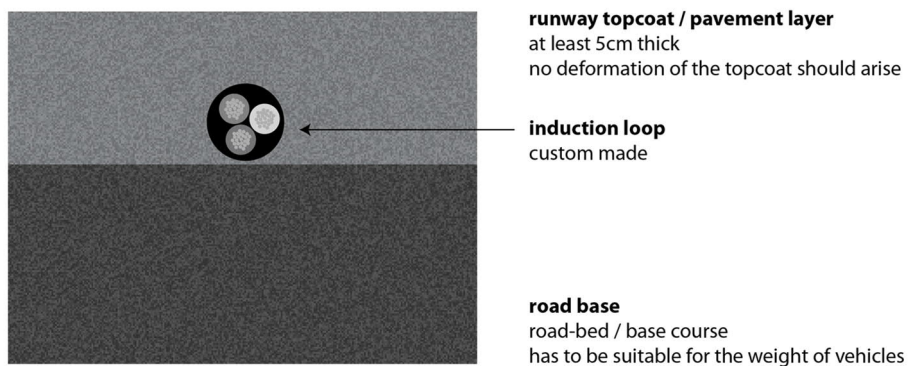
1) Lay the induction loop in the desired shape/geometry on the application place.



2) The corners are shaped / bent manually (with hand)



3) Cover the induction loop and the supply lines with asphalt, concrete or sand manually (with hand) without changing the position of the loop.



4) If the induction loop is fully covered, the pavement can be processed by machinery.

The Components should be handled by qualified personal only!

Ordering Information

order number	outline [m]	supply cable [m]	turns ratio [n]	inductance* [μH]
ATT60605	6	10	5	180
ATT60704	7	10	4	150
ATT60804	8	10	4	170
ATT60904	9	10	4	190
ATT61003	10	10	3	130
ATT61103	11	10	3	142
ATT61203	12	10	3	144

*calculated inductance for aspect ratio from 1:1 to 1:4 only, with supply cable

If you need a custom-built induction loop, please request for quotation!

Technical Support

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Delivery

- 1 technical documentation
- 1 assembled induction loop