

ATAG

SERVING INDUSTRY SINCE 1947



WIND POWER PLANTS

Flexible Hoses for wind
turbine applications

Abrasive dust exhaustion by production of rotor blades

REQUIREMENTS

(statutory provisions, standards, etc.)

- Light
- Flexible
- Partial electrically conductive

CURRENTLY IN APPLICATION

- EVA and PVC hoses

PROBLEMS

- PVC-hoses are heavy/hard to carry and to install, unflexible
- Will be demolated by crushing and recovering

SOLUTION

A-FLEX PUR STEP

- Light
- Flexible
- Crush resistant and permanently recoverable
- Earthing with static wire

CONTACT

- Maintenance



Generator cooling

REQUIREMENTS

(statutory provisions, standards, etc.)

- Heat resistant up to more than 100 °C
- Easy to install and to replace

CURRENTLY IN APPLICATION

- Partially simply needed/stitched PVC qualities

PROBLEMS

- Sufficient permanent temperature stability

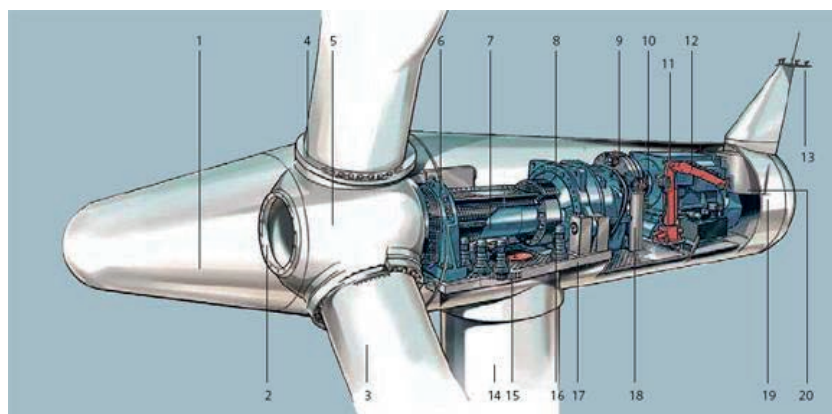
SOLUTION

A-FLEX SANTO SL

- Heat resistant up to 130 °C
- Very good weather proof and chemical resistant

CONTACT

- Constructing engineers
- Possibly purchasing department



- | | |
|---------------------|----------------------------------|
| 1_ Spinner | 11_ Generator / Dynamo |
| 2_ Spinner-fitting | 12_ Service-crane |
| 3_ Rotor blade | 13_ Anemometer and wind vane |
| 4_ Pitch bearing | 14_ Tower |
| 5_ Rotor hub | 15_ Yaw control-roating assembly |
| 6_ Main bearing | 16_ Yaw control-gearbox-Getriebe |
| 7_ Main shaft | 17_ Nacelle base plate |
| 8_ Gearbox | 18_ Oil filter |
| 9_ Brake rotor disc | 19_ Nacelle cover |
| 10_ Coupling | 20_ Nacelle cooler |



Wings thermal heating

REQUIREMENTS

(statutory provisions, standards, etc.)

- Heat resistant from -20 °C to over +100 °C
- Easy to install and to replace

CURRENTLY IN APPLICATION

- No indications

PROBLEMS

- Sufficient permanent temperature stability

SOLUTION

A-FLEX SANTO SL

- Heat resistant up to 130 °C
- Very good weather proof and chemical resistant

CONTACT

- Constructing engineers
- Possibly purchasing department



Tower ventilation

REQUIREMENTS

(statutory provisions, standards, etc.)

- Hardly inflammable
- Very lightweight
- Wide range of diameters

CURRENTLY IN APPLICATION

- Needled/Stitched PVC-hoses (lorry cover) with reinforcement rings approx. each 50 cm

PROBLEMS

- Only possible to install straight, no curved parts possible

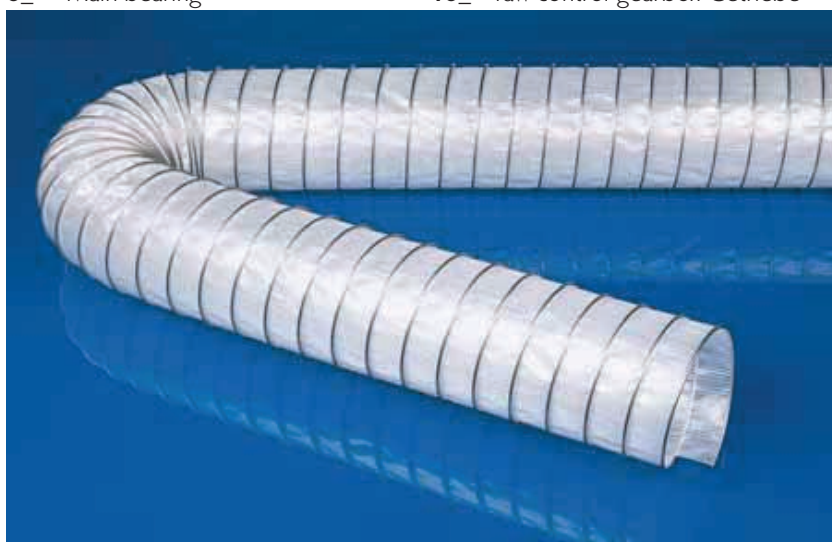
SOLUTION

A-KLIP PE

- Only possible to install straight, no curved parts possible

CONTACT

- Constructing engineers
- Possibly purchasing department



ATAG

SERVING INDUSTRY SINCE 1947

IT_20128 MILANO

ph. +39 02 255.22.51

mob. +39 329 68.78.260

ufftec@atag-europe.com

UK_G66 GLASGOW

ph. +44 01360 311.685

mob. +44 0756 204.70.05

andrew.wood@atag-europe.com

connect & discover the
ATAG Universe



WWW.ATAG-EUROPE.COM