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# **STOKMAN-SCW ROLLERS, IDLERS AND GARLANDS**

## **MAINTENANCE AND OPERATION MANUAL**

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**Please read all instructions thoroughly.**



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# GENERAL INSTRUCTIONS

## 1. TRANSPORTATION AND STORAGE

- Rollers can be delivered packed in wooden pallets, wooden boxes or crates. All in securely strapped form.
- Offloading shall be by means of a forklift with suitable arrangements and be operated by experienced personnel.
- There must be no direct contact between the lifting forks and the rollers.
- Rollers should be stored under cover in a well ventilated area and protected against environmental effects.
- In all circumstances avoid knocking, scraping and falling.
- Storage shall not exceed more than 6 months.
- All rollers must be stored on a secure, flood-free surface with a minimum separation of 100mm above the ground.
- Avoid moisture condensation on packages.

## 2. INSTALLATION

- Make sure all safety standards or requirements are met. Use proper lockout procedures.
- We recommend using safety gloves, boots and gear during installation.
- Make sure to remove all debris from the frame area where the roller is to be installed.
- The endcaps of the rollers should not be damaged during assembly.
- If there are ATEX requirements, rollers must be integrated in conveyors where the static electricity is to be grounded in accordance to the ATEX directive.
- The conveyor belt installation must meet DIN 22.101 specifications and in accordance with EN- 13463 standards.

### 3. MAINTENANCE

- Avoid accumulating of materials in the operating area.
- Ensure that rolls do not run in jammed conditions.
- Always wash down with conveyor running
- Never aim cleaning jet into sealing/roll end cap.
- Replace damaged rolls immediately.
- Immediate replacement is also required in the following conditions:
  - When an unusual noise is heard (could indicate bearing failure)
  - Excessive wear on the roller's shell
  - Excessive wear or tears of the rubber rings or lagging.
  - Damaged bearing cover/labyrinth.
  - Any other suspicious situation.
  - To ensure proper performance be sure to inspect the rollers monthly.
  - When welding in the proximity of the rollers ensure grounding does not go through the rolls.

## 4. TECHNICAL DATA

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## 5. MATERIAL DATASHEET

Material used for end cap bearing cover:  
Polyoxymethylene (POM).

ELECTRICAL PROPERTIES	VALUE	UNIT	TEST STANDARD
Relative permittivity-100Hz	4	-	IEC 60250
Relative permittivity-1 MHz	4	-	IEC 60250
Dissipation factor-100Hz	20	E-4	IEC 60250
Dissipation factor-1MHz	50	E-4	IEC 60250
Volume resistivity 1E12	Ohm*m	IEC 60093	
Surface resistivity 1E14	Ohm	IEC 60093	
Electric strength	35 kV/mm	IEC 60243-1	
Comparative tracking index CTI	600	-	IEC 60112



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Brasem 18

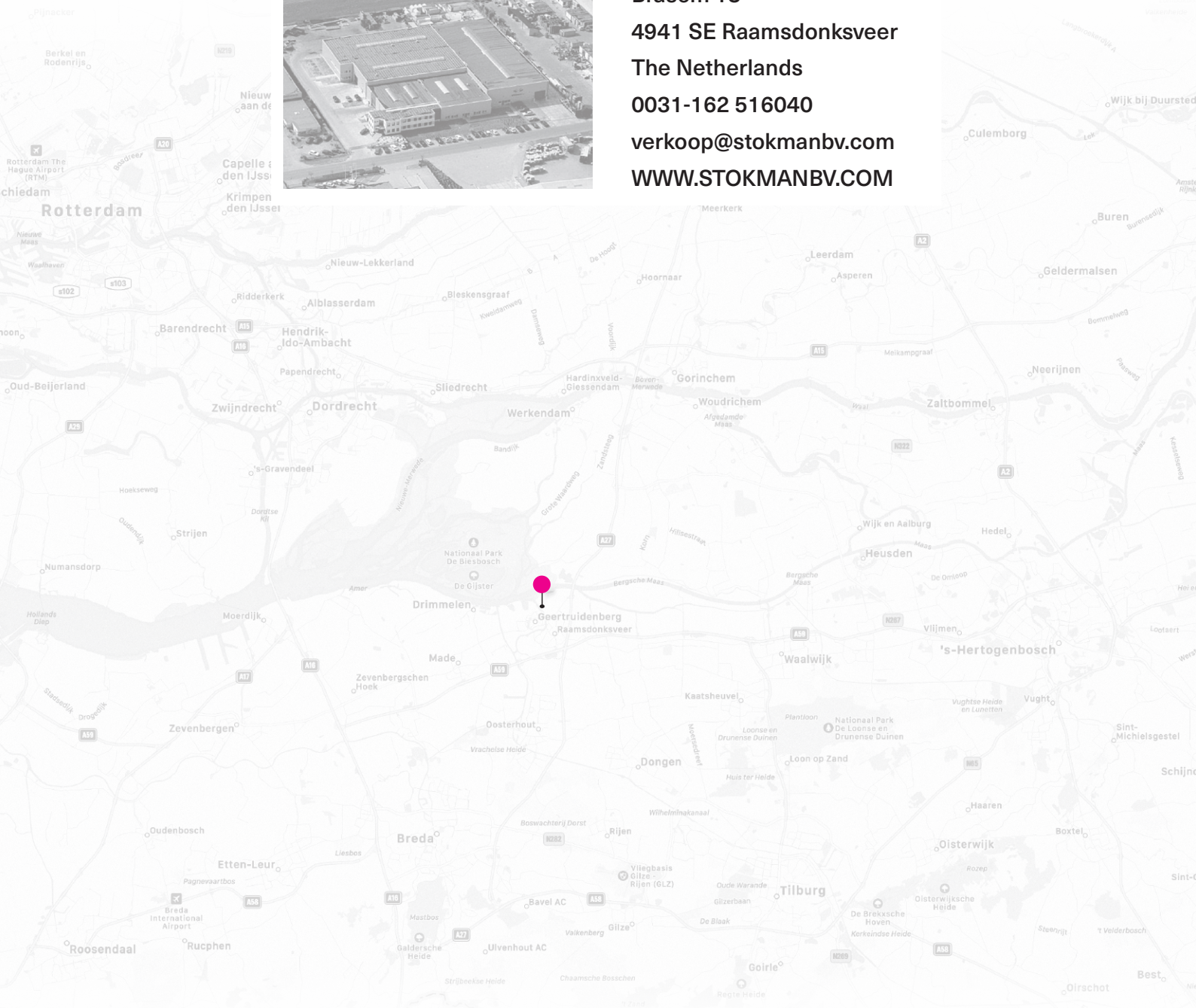
4941 SE Raamsdonksveer

The Netherlands

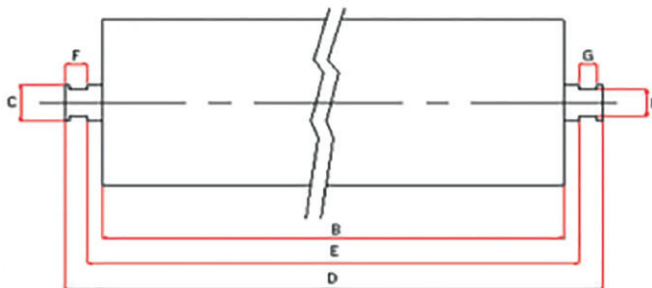
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## APPENDIX



### Measurement fill in form

Part no.		
Amount		
Diameter of tube	A	Ø
Diameter of ring	Ar	
Roll length	B	
Diameter of shaft	C	Ø
Shaft length	D	
Fixation length	E	
Key length	F	
Enclosed length	G	
Key width	H	

### Shaft end:

double flat	
single flat	
Hole	
Outside thread	
Inside thread	
plain size	