
STOKMAN-SCW ROLLERS, IDLERS AND GARLANDS

MAINTENANCE AND OPERATION MANUAL

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

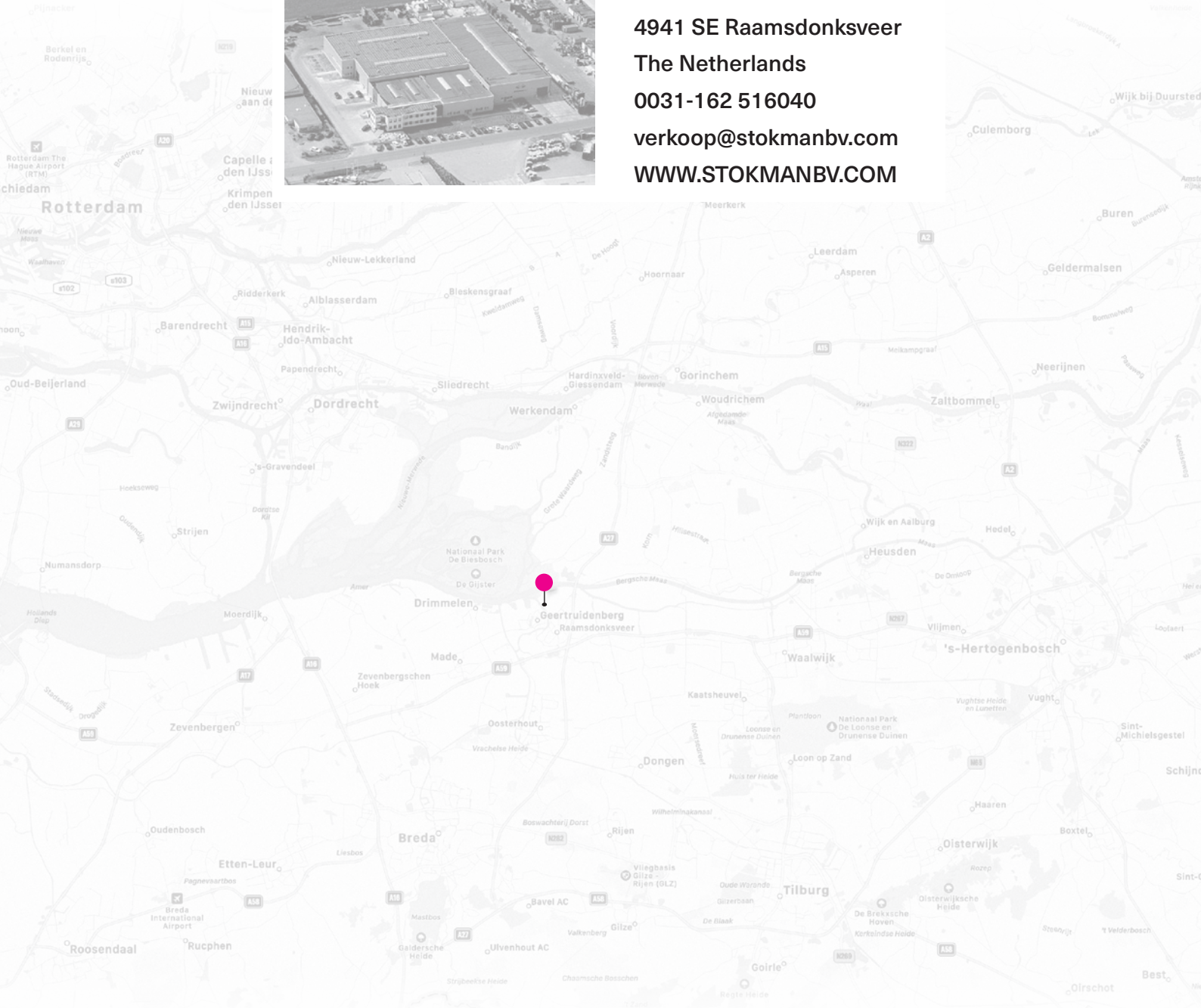
4941 SE Raamsdonksveer

The Netherlands

0031-162 516040

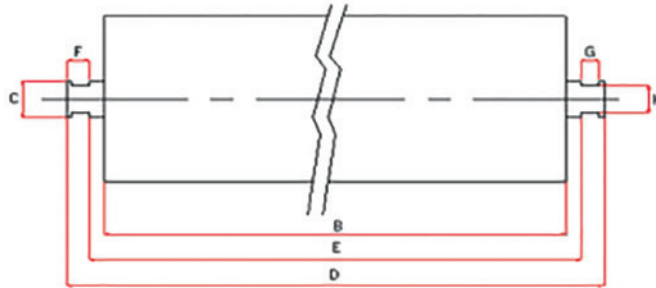
verkoop@stokmanbv.com

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APPENDIX



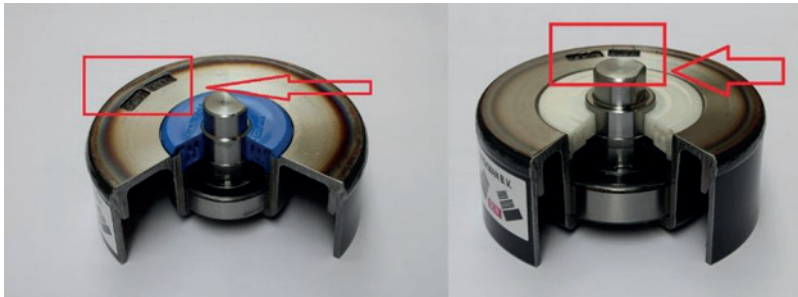
Measurement fill in form

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

Shaft end:

| | |
|----------------|--|
| double flat | |
| single flat | |
| Hole | |
| Outside thread | |
| Inside thread | |
| plain size | |

How to identify our conveyorbeltrollers in your installation:



Stokman-SCW rollers are easy to identify;

Our typical specially designed labyrinth in the colours blue, white or black, according to the bearing specifications, should give you the first indication.

Also, our brandname SCW is followed by two pairs of digits, together they form the date of production.

SCW 2-16

The first digit indicates the quarter, the last set indicates the year of manufacturing.