WARNING SYMBOLS

WARNING

Safety instructions – Personal safety

CAUTION

Special caution – Machine or component damage

General advice

WARNING

Ensure that ventilation (extraction) is adequate if the engine is run indoors.

Correct maintenance and care are essential for safe and satisfactory use of this roller. It should be kept clean so that any leakage, loose bolts or poor connections can be detected in time.

Study and understand the operating instructions before starting the machine.

Check the machine for any serious faults.

Do not operate the machine with defective instruments, warning lights or control elements.

All safety devices must be in a secure position.

Do not carry loose objects or secure them to the machine.

Keep oily and flammable material away from the machine.

PROTECT THE ENVIRONMENT! Do not allow oil, fuel, or other items that are detrimental to the environment to be left behind.

Before starting

Before entering the driver’s cab, check that no persons or obstacles are in the way of or underneath the machine.

Take care when entering the driver’s cab; use the steps.

Make yourself familiar with the equipment of the machine.

Only operate the machine if your are completely familiar with the operating and control elements as well as the machine’s functions.

Use your safety equipment, such as a helmet, safety shoes, hearing protection.

Adjust your seat before starting.

Make yourself familiar with your working area.

Use the machine for its intended purpose only.

WARNING

Please observe the guidelines of the machine manufacturer and the safety manual.

We reserve the right to change specifications without notice. Printed in Sweden
Overview from Part Catalog SCC432-1EN1
If possible, stand the drum halves on edge. If this is not possible, chock the drum so that it cannot roll away — with two pieces of pipe welded to a flat steel plate (NO 4, see page 31).
Place bearing 373508, which holds the two drum halves together, on a bench with the groove facing upwards. Lubricate the stuffing box (904616) with synthetic oil. Push the stuffing box into the groove using tool 123062, taking care not to damage the stuffing box.
**Lying drum:** Place the bearing in position. Tap the bearing down using a plastic mallet. Take thirty hexagonal socket screws M16×80, strength class 10.9, and apply Loctite 243 to the threads. Fit the screws into the outer race.

**Standing drum:** Apply drops of Loctite 243 onto the screws. Suspend the bearing on the screws and tap it into place using a plastic mallet.
Tighten the screws holding the bearing crosswise at a torque of 216 Nm (159 lbf. ft).
Place the spacer (381275) on the outer ring of the bearing.
Fit the V ring (904788).
Lift up the other half of the drum and align with the bearing. Lower the drum over the bearing, using the screws to guide into position.
Apply Loctite 243 to the threads and tighten the screws crosswise at a torque of 216 Nm (159 lbf. ft). Use hexagonal socket screws M16×80, strength class 10.9.
Fit the vanes, three in each half of the drum.
Lubricate the bearing housing with synthetic oil. Tap the bearing crosswise into the bearing housing using a plastic mallet. Insert the O ring (904411) into the groove and lubricate it with synthetic oil.
Mount the bearing housing on the drive side. Use dowels (NO 3, page 31) to center the fitting.
Bolt the bearing house firmly with three hexagonal socket screws M12×30, strength class 8.8. Tightening torque 70 Nm (52 lbf. ft).
Assemble the other bearing housing. Lubricate the eccentric axle with synthetic oil for fitting the bearings and tap the bearing housing into position.
Use tools NO 1 and NO 2 for fitting and dismantling the eccentric axle. See page 31.
Lift up the whole assembly and fit it into the drum. Tap the inner ring of the bearing using a lead mallet. Center the bearing housing using the dowels and screw into place with three hexagonal socket screws M12x30, strength class 8.8. Tightening torque 70Nm (52 lbf. ft). Ensure that the O ring remains in its groove all the time.
Fit the V ring (904788) on the drive motors.
Fit the O ring (160037) on the drive motor mounts.
Mount the drive motor together with the carrier and tighten with eight M20×60, strength class 12.9. Tightening torque 496 Nm (366 lbf. ft), oiled screws, crosswise tightening. Place O ring 904411 into position in the outer groove, lubricating it with synthetic oil before bolting the carrier to the drum. Bolt the carrier with sixteen M12×50, strength class 8.8. Tightening torque 70 Nm (52 lbf. ft), oiled screws, crosswise tightening.
Mount the four adapters on both drive motors.
Screw the bracket to the drive motor with hexagonal socket screws M20×70, strength class 12.9. Tightening torque 496 Nm (366 lbf. ft), oiled screws.
Screw the weight in place on the drive side with two M12×90, strength class 8.8 and tightening torque 78 Nm (58 lbf. ft), unoiled screws. Also fit the O ring 160279 and air nipple 926736.

O ring 160279

Air nipple 926736
Screw the forks in place in the rubber elements with M12×60, strength class 8.8. Tightening torque 78 Nm (58 lbf. ft). Use holder 383436 instead of nuts.
Mount adapters, splines axle, spring and O ring on the vibrator motor. Screw the whole assembly in place on the drive motor with two M12x35, strength class 8.8 and tightening torque 78 Nm (58 lbf. ft), unoiled screws.

O ring 160279
Screw the turning collar bearing in place on the yoke with thirteen M12×70, strength class 10.9, and fourteen M12×160, strength class 10.9, which are through-going with nuts on the underside, tightening torque 88 Nm (65 lbf. ft). Begin by tightening M12×70 crosswise to the correct torque. Then tighten M12×160. These will need to be retightened about three times to achieve the correct torque.
Lift the yoke into position between the forks. Allow 4 mm (0.16 inch) play for pre-tensioning the rubber elements. Bolt the yoke with twelve M20×70, strength class 8.8 on each side, tightening torque 330 Nm (243 lbf. ft).
Insert the flushing block in the middle of the turning collar bearing and pull out the hoses to the motor. Begin on the vibration side.
Screw the hoses in place in the motor adapters. Fix the hoses with hose clamps 383460 & 383462 on the drive side and 383459 & 383461 on the vibration side.

The drum is now ready to fit to the machine.
Appendix: Tool

- **NO 1**: M20 x 1500 (59 in)
- **NO 2**: Ø 25 x 1500 (59 in)
- **NO 3**: M12 x 25 (1 in) / 150 (6 in)
- **NO 4**: 200 (8 in) x 1500 (59 in)