

ROLLERS

 **LEMKEN** THE AGROVISION COMPANY



SIMPLE AND INEXPENSIVE



Cage rollers are available with 400 mm, 540 mm and 600 mm diameters. They represent a simple and inexpensive option for controlling the depth of implements and reconsolidating the soil. Reconsolidation is conducted in strips transverse to the direction of travel. The small diameter rollers combine excellent cultivation with low weight.

As the diameter increases the load-carrying capacity and reconsolidation improves. This means that rollers with the appropriate diameters can also be used in cultivation combinations on light soil. The 400 mm cage rollers can also be used for depth control of front-mounted implements.



Tube bar roller RSW 400

- Diameter of roller (apprx.): 400 mm
- Weight at 3 m width (apprx.): 203 kg
- Characteristics: Good crumbling on medium soils, low weight



Tube bar roller RSW 540

- Diameter of roller (apprx.): 540 mm
- Weight at 3 m width (apprx.): 346 kg
- Characteristics: Good carrying capacity on light to medium soils, consistent smooth running



Tube bar roller RSW 600

- Diameter of roller (apprx.): 600 mm
- Weight at 3 m width (apprx.): 372 kg
- Characteristics: High carrying capacity, good reconsolidation on very light soils

LIGHT AND SAFE TO USE



Double rollers consist of two rollers with diameters of 400 mm each or one roller with a diameter of 540 mm and one with a diameter of 400 mm.

The rollers are suspended on a pendulum system to ensure uniform weight distribution on undulating soil. They also ensure that the soil cultivation implement has accurate depth guidance.

The excellent tilling, levelling and reconsolidation create the best conditions for use in a minimum tillage system.

Depending on the soil conditions, the double rollers are available as flat, tubular or cage roller combinations for lighter soil conditions.

The use of a cage roller with a diameter of 540 mm in the double rollers significantly improves their load-carrying capacity and drive, in particular, on light soil and for heavy implements



Double roller tube/flat DRF 400/400

- Diameter of rollers (apprx.): 400/400 mm
- Weight at 3 m width (apprx.): 381 kg
- Characteristics: Good crumbling, good levelling and reconsolidation, exact depth control



Double roller tube/tube DRR 400/400

- Diameter of rollers (apprx.): 400/400 mm
- Weight at 3 m width (apprx.): 404 kg
- Characteristics: Good crumbling, good levelling and reconsolidation, good carrying capacity with heavy implements in light soils, recommended on light soils



Double roller tube/flat DRF 540/400

- Diameter of rollers (apprx.): 540/400 mm
- Weight at 3 m width (apprx.): 451 kg
- Characteristics: Good crumbling, good levelling and reconsolidation, exact depth control



Double roller tube/tube DRR 540/400

- Diameter of rollers (apprx.): 540/400 mm
- Weight at 3 m width (apprx.): 474 kg
- Characteristics: Good crumbling, good reconsolidation, exact depth control, especially good carrying capacity with heavy implements in light soils



Following harrow

- Weight at 3 m width (apprx.): 65 kg
- Characteristics: additional levelling of the soil surface, root weeds are transported to the soil surface for drying out

VERSATILE AND RELIABLE



Knife roller MSW 600

The knife rollers are made up of rings set 125 mm apart. Located between the rings, the knives ensure that the rollers are cleaned well and they also boost the reconsolidation effect. The rollers operate on a strip basis; they are not susceptible to sticking or clogging and therefore they are particularly well-suited for heavy soil and for mulch sowing.

- Diameter of roller (apprx.): 600 mm
- Weight at 3 m width (apprx.): 515 kg
- Characteristics: Good crumbling and cleaning via knives between the rings, especially suitable for mulch seeding, insensitive to sticking



Flex ring roller FRW 540

The reduced rolling effect, of the flexible steel sections, makes the flex ring roller especially suitable for wet heavy soils, which tend to be sticky. The weight of the roller is ideally suited to mounted machines.

- Diameter of roller (approx.): 540 mm
- Weight at 3 m width (approx.): 387 kg
- Characteristics: insensitive to sticking and insensitive to stones (optimal weight), suitable for wet heavy soils



Rubber ring roller GRW 590

The rubber ring rollers consist of individual rubber rings set 125 mm apart. The rollers can be used together with a seed drill, with 125mm row spacing, to consolidate soil in line with the seed rows. They are not susceptible to sticking and clogging and therefore particularly well-suited for deployment in sticky soil and mulch sowing.

- Diameter of roller (apprx.): 590 mm
- Diameter of tube (apprx.): 406 mm
- Weight at 3 m width (apprx.): 551 kg



Double profile ring roller DPW 540/540

The dual-profile ring rollers have a diameter of 540 mm and they excel on account of their high load-carrying capacity on light and medium soil. They are excellent at levelling the soil while also reconsolidating close to the surface. Dual-profile ring rollers are also ideally suited for the mulch sowing method.

- Diameter of rollers (apprx.): 540/540 mm
- Weight at 3 m width (apprx.): 467 kg
- Characteristics: Good levelling, especially good carrying capacity, consistent smooth running, for light and medium soils, good reconsolidation of the surface, suitable for mulch seeding

Packer profile roller PPW 600/540

When cultivating down to a depth of 30 cm the soil is intensively loosened and needs good reconsolidation throughout the cultivation depth. The packer profile roller for the semi-mounted Karat is specifically designed for these conditions. The front roller with its packer profile consolidates the soil at depth, while the rear roller with its W-profile provides surface consolidation.

- Diameter of rollers (apprx.): 600/540 mm
- Weight at 3 m width (apprx.): 984 kg
- Characteristics: optimum reconsolidation effect of top soil and subsoil, easy to pull



Packer double roller PDW 600/600

The packer double roller has two rows of rings designed to consolidate the soil at depth and is ideally suited for use with a semi-mounted Karat. The rings leave soil ridges, allowing a weathering process on heavy clay soils. The enlarged soil surface enables the wet soil to dry off more quickly.

- Diameter of rollers (apprx.): 600/600 mm
- Weight at 3 m width (apprx.): 984 kg
- Characteristics: optimum reconsolidation effect of top soil and subsoil, easy to pull, quick drying of wet soils due to extended soil surface



PRECISE AND UNSUSCEPTIBLE

Trapezoidal rollers

Characteristic of the trapezoidal rollers is the reconsolidation of the soil in strips by the trapezoidal rings, which operate exactly at the distance of the following drill rows. The soil retains a rough surface with a great deal of fine soil and is therefore less inclined to sludging or capping. The trapezoidal rollers are available as trapezoidal packer rollers, trapezoidal ring rollers and trapezoidal disc rollers. Because of their enclosed roller core, the trapezoidal packer rollers are less inclined to clogging and the central tube restricts the rollers from sinking too far in to the soil. The trapezoidal ring rollers have an excellent load-carrying capacity on light to medium soil with low weight. With the trapezoidal disc rollers, the trapezoidal ring consists of plastic rings with plastic scrapers. The overall weight of the rollers is low and the low internal diameter reduces consolidation of the soil between the rows. All closed trapeze rollers are distinguished by a good load-bearing capacity on medium and heavy soils and to a large extent prevent soil from sticking to the rollers.



Trapeze ring roller TRW 500

- Diameter of roller: approx. 500 mm
- Weight at 3 m width: approx. 499 kg
- Characteristics: Good carrying capacity on light to medium soils, in-line reconsolidation of the seed rows



Trapeze packer roller TPW 500

- Diameter of roller: approx. 500 mm, Diameter of tube: approx. 406 mm
- Weight for 3 m width at 125 mm ring spacing: approx. 611 kg
- Characteristics: As standard with hard metal scrapers in short or long version, high carrying capacity on medium to heavy soils, universally adjustable, high line-wise reconsolidation of the seed rows with the distance of the seed coulters



Trapeze packer roller TPW 600

- Diameter of roller: approx. 600 mm
- Weight for 3 m width at 125 mm ring spacing: approx. 683 kg
- Characteristics: As standard with hard metal scrapers in short or long version, high carrying capacity on medium to heavy soils, universally adjustable, high line-wise reconsolidation of the seed rows with the distance of the seed coulters



Trapeze disk roller TSW 500

- Diameter of roller: approx. 500 mm, Diameter of tube: approx. 323 mm
- Weight at 3 m width: approx. 513 kg
- Characteristics: Plastic rings with plastic scrapers, low weight, line-wise reconsolidation of the seed rows with the distance of the seed coulters, good carrying capacity on light to medium soils, insusceptible to sticking



Toothed packer roller ZPW 550

Toothed packer rollers are available with a diameter of 550 mm. The shape of the toothed packer rollers ensures that reconsolidation is achieved across the entire area. Good scrapers make the toothed packer rollers ideal on medium and heavy soils, even when wet. The hardened scrapers are attached to brackets, can be easily adjusted and they ensure optimum cleaning of the rollers is achieved. Additional hard facing or hard metal plates guarantee maximum service lives. The toothed packer rollers can be universally used in heavy-duty cultivation combinations

- Diameter of roller: approx. 550 mm
Diameter of tube: approx. 406 mm
- Weight at 3 m width: approx. 499 kg



Crosskill roller

Crosskill rollers provide ideal reconsolidation with an additional tilling effect and they can be used with seed bed combinations or trailing packers for ploughs. They are also available for light locations as cam-shaped ring rollers with a wider supporting surface.

- Diameter of roller (apprx.): 400 mm
- Weight at 3 m width (apprx.): 470 kg
- Characteristics: Optimum reconsolidation with additional crumbling effect



Nockenring roller

The nockenring roller, with its large supporting surface, is particularly well-suited for light soil conditions. The roller ensures that excellent reconsolidation is achieved with a low traction requirement.

- Diameter of roller (apprx.): 450 mm
- Weight at 3 m width (apprx.): 506 kg
- Characteristics: Good reconsolidation effect on light soils



EXACT AND INTENSIVE



Tooth bar crumbler

- Diameter of rollers (apprx.): 330/270 mm
- Weight at 3 m width (apprx.): 242 kg
- Characteristics: Intensive crushing and crumbling of clods



Tube-tooth bar crumbler

- Diameter of rollers (apprx.): 330/270 mm
- Weight at 3 m width (apprx.): 250 kg
- Characteristics: Intensive crushing, good crumbling of clods and good carrying capacity on light soils, exact depth control

Following harrow Compact Disc Harrows

Roller	Heliodor 9	Heliodor 9 K	Heliodor 9 KA	Rubin 10 U	Rubin 10 KU	Rubin 10 KUA	Rubin 12 U	Rubin 12 KUA
RSW 540	✓	✓	✓	✓	✓	✓	✓	✓
RSW 600	✓	✓	✓	✓	✓	✓	✓	✓
FRW 540	✓	✓	✓	✓	✓	✓	✓	✓
DRR/DRF 400/400	✓	✗	✗	✓	✗	✗	✓	✗
DRR/DRF 540/400	✓	✗	✗	✓	✗	✗	✓	✗
DPW 540/540	✓	✗	✗	✓	✗	✗	✓	✗
MSW 600	✓	✗	✗	✓	✗	✗	✓	✗
PPW 600/540	-	-	-	-	-	-	✓	✗
PDW 600/600	-	-	-	-	-	-	✓	✗

Following harrow Cultivators

Roller	Kristall 9 (U)	Kristall 9 K(U)	Kristall 9 K(U)A	Karat 9 (U)	Karat 9 K(U)	Karat 9 K(U)TA	Karat 9 K(U)A	Karat 12 KUA
RSW 540	✓	✓	✓	✓	✓	✓	✓	✓
RSW 600	✓	✓	✓	✓	✓	✓	✓	✓
FRW 540	✓	✓	✓	✓	✓	✓	✓	✓
DRR/DRF 400/400	✓	✗	✗	✓	✗	✗	✗	✗
DRR/DRF 540/400	✓	✗	✗	✓	✗	✗	✗	✗
DPW 540/540	✓	✗	✗	✓	✗	✗	✗	✗
MSW 600	✓	✗	✗	✓	✗	✗	✗	✗
PPW 600/540	-	-	-	-	-	-	✗	✗
PDW 600/600	-	-	-	-	-	-	✗	✗



LEMKEN_08/23_175.0192/en All specifications, dimensions and weights are subject to continuous technical development and are therefore not binding. The weight specifications always refer to the basic equipment. Subject to change.

LEMKEN GmbH & Co. KG
 Weseler Straße 5
 46519 Alpen, Germany
 Tel. +49 2802 81-0
 Fax +49 2802 81-220
 info@lemken.com
 www.lemken.com

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