

FURROW PRESSES VARIOPACK | FLEXPACK

 **LEMKEN** THE AGROVISION COMPANY





Ploughing with furrow presses?

Ploughing loosens and crumbles the soil, and at the same time, increases its pore volume. This introduces air and warmth into the soil, and breaks the soil capillaries. Due to tight crop rotation schedules, there is often no time for the soil to settle and for natural tilth formation processes to take place. On the one hand, the ploughed soil should not be allowed to dry out. On the other hand, the capillary effect must be reestablished as quickly as possible for the seedbed.

Here, the LEMKEN furrow presses do an outstanding job right behind the plough. At the right moment, at the optimal degree of moisture, the topsoil is reconsolidated and large clumps are broken down. This favours tilth formation and prevents dehydration.



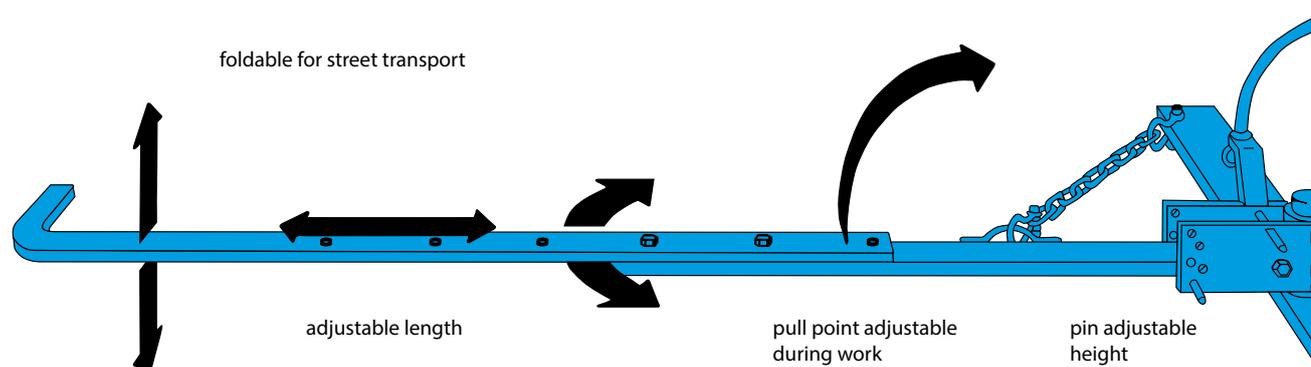
A PRESS FOR EVERY SOIL TYPE

++ = optimal + = very good o = good	Single row press Ø 900 mm Ring profile		Double row press Ø 700 mm Ring profile		Double row press Ø 900 mm Ring profile	
	30°	45°	30°	45°	30°	45°
light soil		++		++		++
light to medium soil		+	+	++		++
medium soil	+	o	++	+	o	++
medium to heavy soil	o		+		+	o
heavy soil	o		o		++	

Different Models

The LEMKEN VarioPack furrow press is available in various models:

- As a single or double-row packer
- With 700 mm or 900 mm ring diameter
- With 30° or 45° ring profile
- 45° with shoulder (only for 900 mm ring diameter)
- As a furrow press or front packer



The Hook Linkage

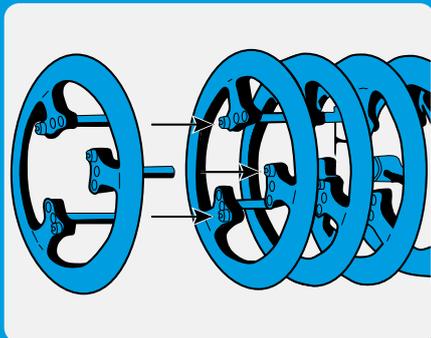
The hook linkage, made of highly elastic tempered steel, can be adjusted to fit any plough working width, so that a new hook linkage is not required if the packer is extended in width. The catching point is adjustable, and is therefore perfectly positioned for any clearance height and ploughing depth. The pull point can be adjusted during operation, ensuring reliable guidance of the packer even on slopes, without requiring overlap. The rigid control rod with a contra-brake prevents unintentional swivelling of the link connection when working transverse to the slope or when the packer gets caught.

TECHNOLOGY THAT WORKS



Transport

A Cat. 2 or Cat. 3 N headstock can be fitted for easy and safe road transport of furrow presses up to three metres wide. A new semi-mounting trailer is now available for transporting double furrow presses with a width of more than three metres in accordance with regulations. Quick and easy switch from the transport into the working position and vice versa, EU type approval for transport speeds of up to 40 km/h, allowing speedy travel to fields. Maximum transport width of 2.80 metres, easy transport even on narrow roads or tracks. Safe road transport and soil-friendly use in the field thanks to large tyres, easy coupling to the tractor via a Cat. 3 cross shaft



Variable Working Width

Thanks to the ring construction without individual hubs, the working width of the LEMKEN furrow press can be easily adjusted by adding or removing rings. This allows them to be precisely fitted to any plough. Lots of wearing material in the main usage zone ensures a long service life for the packer.

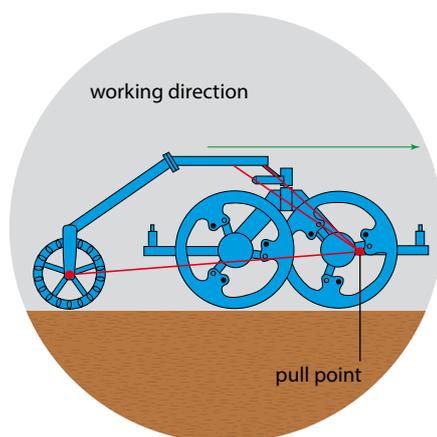
Working without Clogging

The ring shape, ring profile and the special attachment method guarantee maximum stability, breaking strength, minimum wear and thus little maintenance, even on rocky soils. The packer construction without a central axle prevents clogging in the inner space. In addition, sturdy, highly wear-resistant rubber cleaning bands with a cloth liner are available to allow the packer to work without clogging.



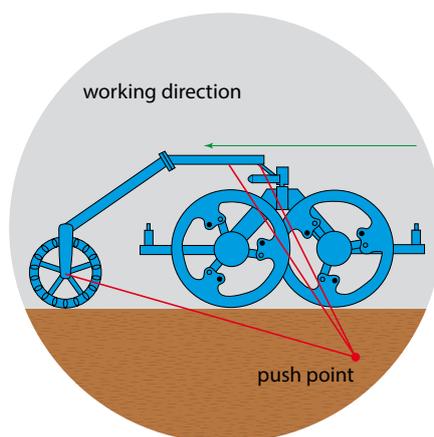


TRAILED IMPLEMENTS



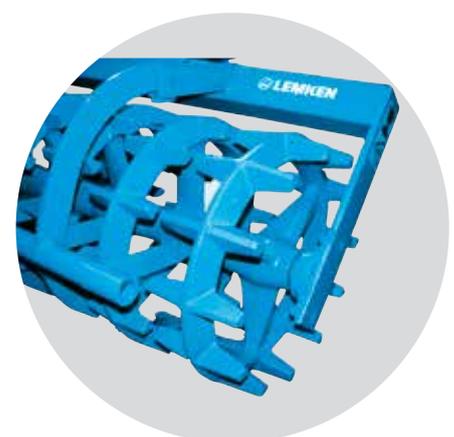
Forward Travel

There is an additional load on the trailed implement due to the low position of the pull point in the middle of the three-point spatial axis when travelling forwards. This prevents the single-row packer from tipping or the double-packer from rearing upwards.



Turning Procedure

The pressure point is located approx. 1 m below the soil surface when turning. This relieves the trailed implement and prevents pushing or burying.



Nockenring Roller

With its large contact area, the nockenring roller is particularly well-suited for light soils. It ensures very good reconsolidation with low traction requirement.



HIGH STABILITY UNDER ALL CONDITIONS



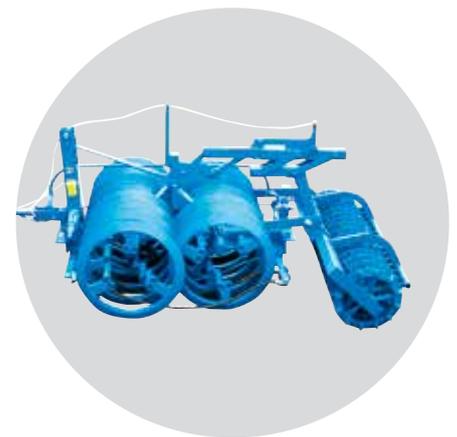
Crosskill Roller

With its narrow ring spacing and its special ring profile, the Crosskill roller is especially suitable for medium and heavy soils. It guarantees good reconsolidation with low risk of clogging and excellent crumbling effect.



Central Frame

Because there is no frame surrounding the packer, the trailed implement can be mounted compactly, and the turning radius is very tight. The trailed implement is easily mounted and dismantled, and always works on the soil that has already been reconsolidated.



Road Transport

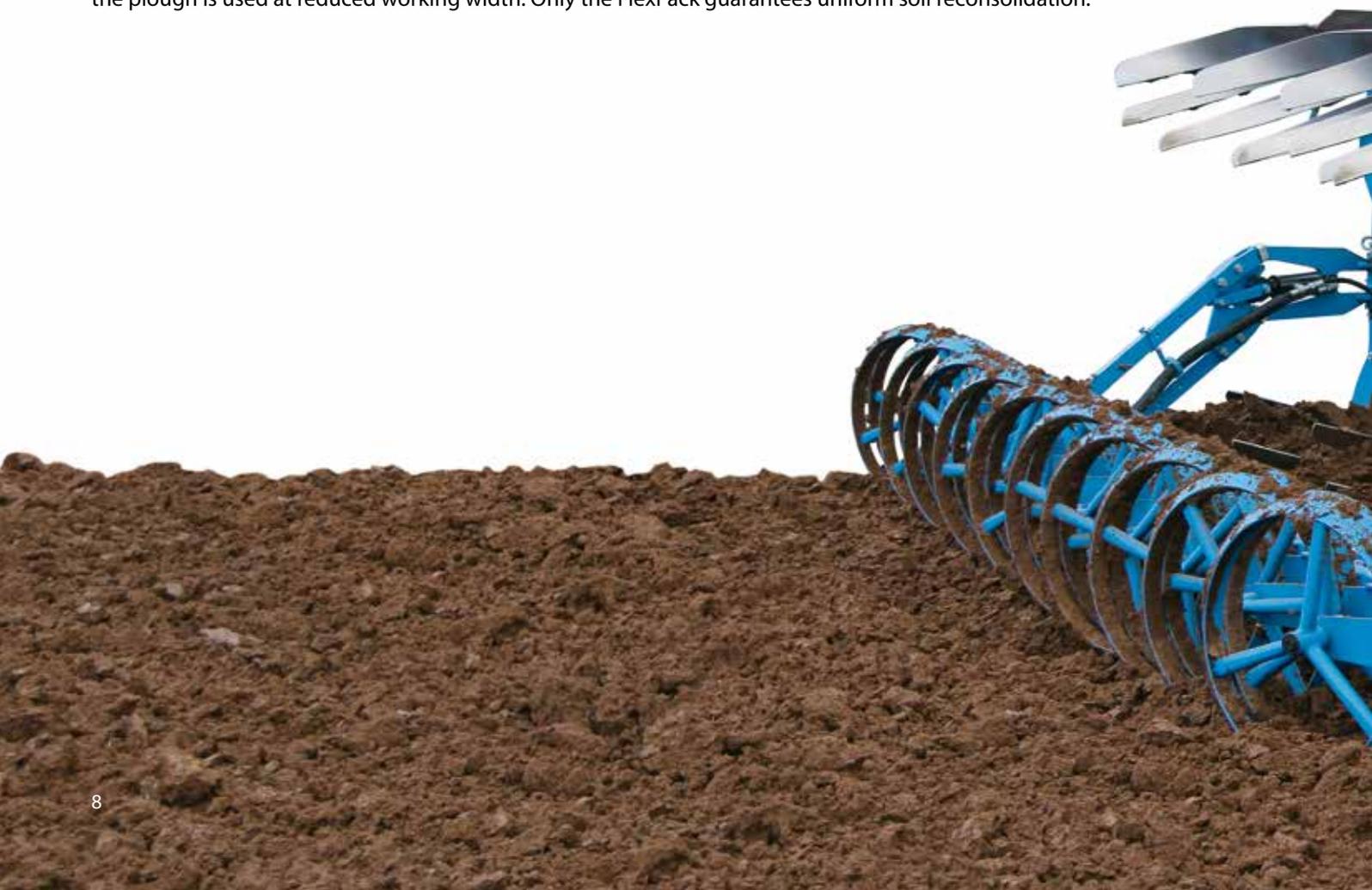
The linkage arm can be swivelled in and facilitates road transport. An optimal position for the centre of gravity is achieved by pulling the roller in towards the packer, so that it can also be transported with smaller tractors. It is not necessary to dismantle the hook linkage.

FLEXPACK – FURROW PRESS WITH FLEXIBLE WORKING **WIDTH**



The FlexPack Runs Parallel to the Plough Frame

Contrary to conventional presses that have a fixed working width, the new FlexPack from LEMKEN adjusts itself automatically to the working width of the plough. There is no risk of double packing overlaps when the plough is used at reduced working width. Only the FlexPack guarantees uniform soil reconsolidation.



Packer Rings Arranged in Pairs

Staggered pairs of packer rings with a diameter of 60 cm and a V-profile prevent clogging during cultivation. They provide a good packing effect without risk of sinking too deep on light soils. For good reconsolidation, the pressure load on the FlexPack can be adjusted hydraulically.



The FlexPack on the Headlands

It is advantageous that the FlexPack can already be used when ploughing the first furrow. The press can be used both on the headlands and for boundary ploughing.



VARIOPACK IN THE FRONT – SIMPLE AND RELIABLE



The Rigid FE Front Packer

Due to its reconsolidation, the VarioPack attached to the front hydraulics prevents the tractor wheels from sinking deep into the soil and the formation of a ridge between the wheels. This creates optimal conditions for a uniform seedbed. In addition, the subsequent implements can work at more shallow depths because they no longer need to eliminate the tractor tracks. The front packer (FE) is characterised by its short design, active steering, and a very favourable centre of gravity.



The foldable FE during transport

The hydraulically foldable VarioPack with mechanical steering device enables working widths of up to 6 metres with a transport width under 3 metres. The view to the front is not blocked by the implement frame or spokes. The pendulum device ensures uniform work quality on all soils through the ideal soil adaptation and the independent deflection of the lateral parts when they hit stones or other obstacles. It can be parked in folded position, and comes with a complete lighting system for safe road transport.



Integrated steering

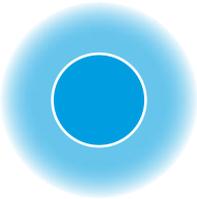
The integrated steering works via a pull point located ahead of the furrow press. The adjustable steering sensitivity ensures precise pass alignment even in hilly terrain or when working with GPS-controlled tractors.

- Mechanically or hydraulically (optional) pre-loadable steering, e.g. for working on slopes
- Individual adaptation to local conditions
- Safe furrow press return to the centre position

WIDE RANGE OF OPTIONS TO SUIT YOUR NEEDS

Der vielseitige Frontpacker WEP The Versatile WEP Front Packer

Use of the push device adds versatility to a plough packer. This means the packer can be used for ploughing and drilling.



The Push Device

The push device in the front hydraulics for the use of towed plough packers expands the degree of utilisation of the packer. It is suitable for all packers with a Cat. II headstock, even machines from other manufacturers. The push linkage controls the mechanical steering device and provides good steering behaviour with good weight distribution, enabling precise operation.



Adapted Reconsolidation

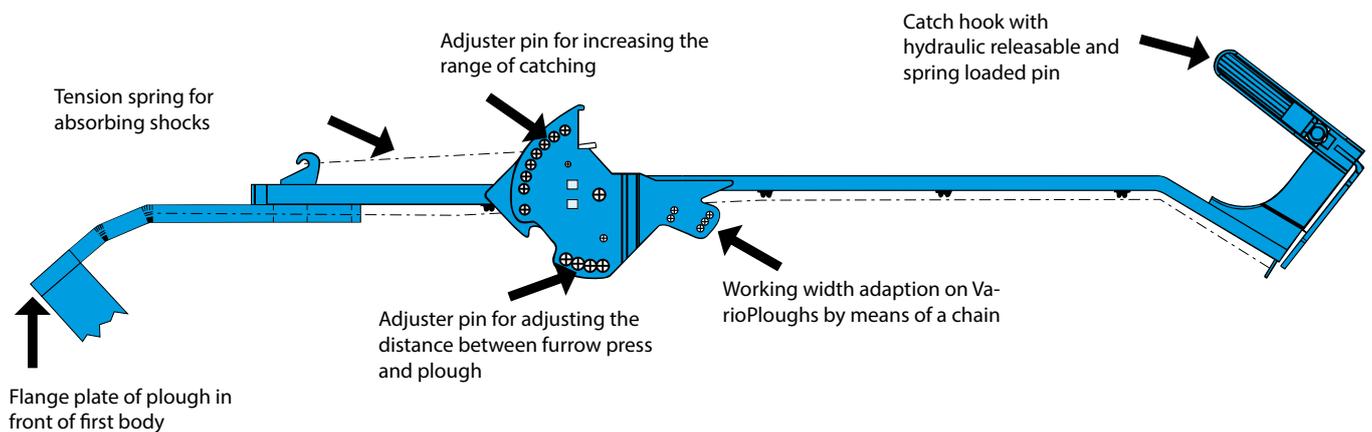
Only the double row furrow press (WD) from LEMKEN offers the option of different working widths. Double packer rings work in the area between the tractor's axles, where the tyres do not roll. Single packer rings work together with tractor wheelings to create the same level of consolidation in that area. A more uniform seedbed can be created as a result.

VERSATILE APPLICATIONS



Packer Arm for the VarioPack Furrow Press

The packer arm with hydraulic release automatically swings in and out. This enables reliable catching of the packer and an optimal position of the pull point when ploughing. The packer arm can be adjusted comfortably and without tools using a pin, making it easy to switch between working, transport and „ploughing without packer“ position. The universal packer arms with hydraulic release are available for all reversible ploughs, also from other manufacturers.



TECHNICAL DATA

Description	Working width approx. cm	Number of rings	Weight approx. kg	
			VarioPack 110 WDP 70	VarioPack S 110 WDP 70
VarioPack WD 70	100	10	590	
VarioPack WD 70	110	11	632	
VarioPack WD 70	120	12	674	
VarioPack WD 70	130	13	716	
VarioPack WD 70	140	14	758	
VarioPack WD 70	150	15	800	
VarioPack WD 70	160	16	842	
VarioPack WD 70	170	17	884	
VarioPack WD 70	180	18	926	
VarioPack WD 70	190	19	968	
VarioPack WD 70	200	20	1.010	
VarioPack WD 70	210	21	1.052	
VarioPack WD 70	220	22	1.094	
VarioPack WD 70	230	23	1.136	
VarioPack WD 70	240	24	1.178	
VarioPack WD 70 S	250	25	1.242	1.242
VarioPack WD 70 S	260	26	1.284	1.284
VarioPack WD 70 S	270	27	1.326	1.326
VarioPack WD 70 S	280	28	1.368	1.368
VarioPack WD 70 S	290	29	1.410	1.410
VarioPack WD 70 S	300	30	1.452	1.452
VarioPack WD 70 S	310	31		1.494
VarioPack WD 70 S	320	32		1.536
VarioPack WD 70 S	330	33		1.578
VarioPack WD 70 S	340	34		1.620
VarioPack WD 70 S	350	35		1.662
VarioPack WD 70 S	360	36		1.704
VarioPack WD 70 S	370	37		1.746
VarioPack WD 70 S	380	38		1.788
VarioPack WD 70 S	390	39		1.830
VarioPack WD 70 S	400	40		1.872
VarioPack WD 70 S	410	41		1.914
VarioPack WD 70 S	420	42		1.956
VarioPack WD 70 S	430	43		1.998
VarioPack WD 70 S	440	44		2.040

Description	Working width approx. cm	Number of rings	Weight approx. kg
VarioPack WD 90	162	13	1.390
VarioPack WD 90	175	14	1.475
VarioPack WD 90	187	15	1.560
VarioPack WD 90	200	16	1.645
VarioPack WD 90	212	17	1.730
VarioPack WD 90	225	18	1.815
VarioPack WD 90	237	19	1.900
VarioPack WD 90	250	20	1.985
VarioPack WD 90	262	21	2.070
VarioPack WD 90	275	22	2.155
VarioPack WD 90	287	23	2.240
VarioPack WD 90	300	24	2.325
VarioPack WD 90	312	25	2.410
VarioPack WD 90	325	26	2.495
VarioPack WD 90	337	27	2.580
VarioPack WD 90	350	28	2.665
VarioPack WD 90	362	29	2.750
VarioPack WD 90	375	30	2.835
VarioPack WD 90	387	31	2.920
VarioPack WD 90	400	32	3.005

Description	Working width approx. cm	Number of rings	Weight approx. kg
VarioPack 110 WEP 90	100	5	572
VarioPack 110 WEP 90	120	6	657
VarioPack 110 WEP 90	140	7	742
VarioPack 110 WEP 90	160	8	827
VarioPack 110 WEP 90	180	9	912
VarioPack 110 WEP 90	200	10	997
VarioPack 110 WEP 90	220	11	1.082
VarioPack 110 WEP 90	240	12	1.167
VarioPack 110 WEP 90	260	13	1.252
VarioPack 110 WEP 90	280	14	1.337
VarioPack 110 WEP 90	300	15	1.422
VarioPack 110 WEP 90	320	16	1.507
VarioPack 110 WEP 90	340	17	1.592
VarioPack 110 WEP 90	360	18	1.677
VarioPack 110 WEP 90	380	19	1.762
VarioPack 110 WEP 90	400	20	1.847

TECHNICAL DATA

Description	Working width approx. cm	Number of rings	Ring diameter mm	Weight approx. kg
Front Furrow Presses VarioPack FE				
VarioPack FE 250-90 - rigid	250	12	900	1.330
VarioPack FE 300-90 - rigid	300	14	900	1.500
VarioPack FE 350-90 - rigid	350	16	900	1.670
VarioPack FE 400-90 - rigid	400	20	900	2.010
VarioPack FE 400-70 - foldable	400	20	700	950
VarioPack FE 450-70 - foldable	450	22	700	1.050
VarioPack FE 500-70 - foldable	500	24	700	1.150
VarioPack FE 600-70 - foldable	600	30	700	2.450
VarioPack FE 400-90 - foldable	400	20	900	2.200
VarioPack FE 450-90 - foldable	450	22	900	2.400
VarioPack FE 500-90 - foldable	500	24	900	2.600
VarioPack FE 600-90 - foldable	600	30	900	3.200

Description	Working width approx. cm	Weight approx. kg	
		Crosskill Roller	Nockenring Roller
Crumbling roller for Presses WDP and WEP			
CRP/T 130 / NRP/T 130	130	274	254
CRP/T 170 / NRP/T 170	170	354	327
CRP/T 200 / NRP/T 200	200	412	380
CRP/T 230 / NRP/T 230	230	480	441
CRP/T 260 / NRP/T 260	260	532	492
CRP/T 300 / NRP/T 300	300	608	561
CRP/T 340 / NRP/T 340	340	687	633
CRP/T 370 / NRP/T 370	370	790	731
CRP/T 400 / NRP/T 400	400	848	784
CRP/T 430 / NRP/T 430	430	920	851
CRP/T 460 / NRP/T 460	460	992	918

Description	Working width approx. cm	Number of rings	Ring diameter mm	Weight approx. kg
Integrated Furrow Presses FlexPack				
FlexPack JR 4-100	220	16	600	430
FlexPack JR 5-100	275	20	600	510
FlexPack JR 6-100	330	24	600	590
FlexPack TR 6+4-100	550	40	600	1.250
FlexPack TR 7+4-100	605	44	600	1.395
FlexPack TR 8+4-100	660	48	600	1.465

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Supplying high-quality original wear parts

Our original LEMKEN wear parts ensure that your LEMKEN machine stays what it is: the genuine product. Whichever machine you need a spare part for, we ensure that the original parts are always available for all LEMKEN machines. Not only in the short term, but for years to come.

Delivering spare parts speedily

The right parts at the right time in the right place — this is how a reliable replacement parts service should operate. Our professional logistics handling service ensures we can supply a wide range of replacement parts at speed, whenever and wherever they are needed.





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