

FRONT MOUNTED CULTIVATOR AND PRE-CULTIVATORS **TOPAS | DOLOMIT | LABRADOR**

 **LEMKEN** THE AGROVISION COMPANY



FRONT MOUNTED CULTIVATOR **TOPAS**



Even load distribution

The short and compact design of the Topas ensures a positive centre of gravity. The symmetrical positioning of the tines on the 140 mm square box section frame ensures an even draft which is particularly important when attached to the tractor's front linkage. Tine distance is adjustable to suit the following implement.

High frame clearance

The outer guideboards provide ridge free operation between passes and large inter-tine and under frame clearance enables operation in dense trash conditions. Multi-adjustable depth wheels ensure an exact depth control. An adjustable rear PTO enables the use of the original PTO shaft of the following implement to be used.





Short, compact design with ideal centre of gravity, suitable for use in combination.

Point (1):

The special design ensures an intensive soil loosening. The width of the wings provides total soil movement throughout their working life.

Guideport (2):

The strategic shape of the guideboard assists the mixing of soil and trash while directing soil away from previous passes a preventing trash blockages.

Wings (3):

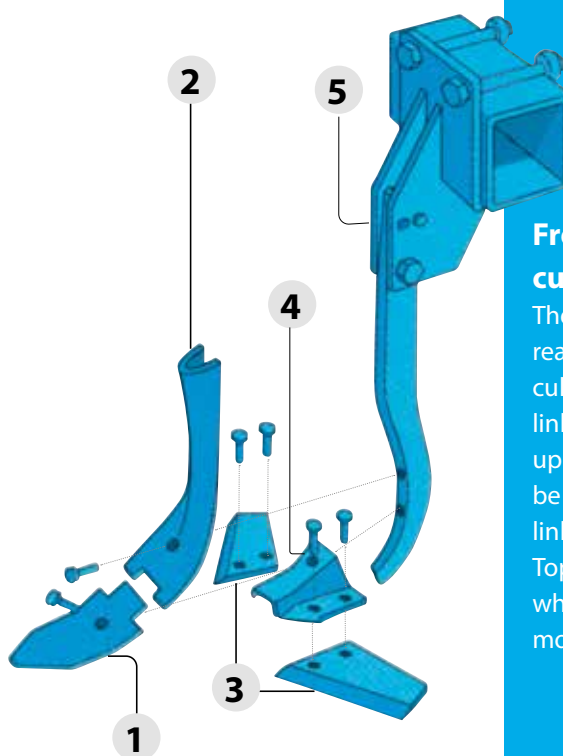
The two piece wings totally cut and loosen the soil across the full width of the implement.

Frog (4):

The point, wings and guideboards are mounted to the tine via a frog enabling the replacement of each part individually.

Tine angle adjustment (5):

The simple angular adjustment of each tine ensures the optimum working efficiency is achieved in a wide variety of soil types and conditions.



Working quality and economic efficiency

The Topas 140 is fitted with the point and wing combination from the renowned Lemken Smaragd stubble cultivator. All wear parts are bolted to the frog and maybe changed individually for low cost operation. The F 20 flat share converts the Topas 140 into a chisel type cultivator and is suitable for use in light to medium soils to provide primary loosening.



Flat share F 24

Front or rear mounted cultivator – in one unit

The conversion of the Topas from a rear mounted to a front mounted cultivator is extremely simple. The rear linkage is raised and retained in an upright position. The Topas can then be connected to the tractors front linkage. It is recommended to fit the Topas with optional pneumatic castor wheels when used in the front mounted position.



DOLOMIT 9

PRE-LOOSENER

Pre-loosener compact in design and with optimum coupling point distance

- The single-beam frame with 160 x 140 mm frame tube of the Dolomit 9 is particularly sturdy and warp-resistant.
- The extremely compact design results in a minor displacement of the centre of gravity for mounted drill combinations consisting of a power harrow and seed drill.
- Depending on the working width, the Dolomit 9 is equipped with 4 tines (3 metres) or 6 tines (4 metres). This ensures that the soil is always loosened over the whole width.
- The 60 cm-wide, one-piece wing with a hardfaced bolt-on point and wear edge on the coulter bar provides intensive loosening and a long service life.
- For universal applications with the Dolomit 9, the working depth can be adjusted between 5 and 35 cm without tools via a series of holes, regardless of the trailing implement.



When using cultivation methods that work without ploughs, for example with mulch seed drill combinations, regularly loosening compaction in the subsoil is necessary. The Dolomit 9 pre-loosener from LEMKEN is ideal for all of these applications, and is especially suited for use with the Zirkon power harrow from LEMKEN.



Prevent Yield Losses due to Waterlogging

Waterlogging prevents well-regulated gas exchange in the soil. Crop root growth is impeded, and nutrient uptake is highly restricted. These symptoms lead to yield losses. To prevent this from happening, targeted subsoil loosening is particularly important.

- Soil compaction due to frequent traffic in specific areas of the field (e.g. headlands, tramlines, etc.)
- Soil compaction due to traffic with heavy machinery (harvesters, transport vehicles, etc.)
- Impervious layers in the subsoil (hardpan layer)



LABRADOR TRAMLINE SUBSOILER

Loosen Tramlines up to a Depth of 65 cm

A basic frame with a 160 mm square profile guarantees high stability and long service life. The hard-faced chisel shares, like the stalk guard, are reversible and thus provide longer use.

- The flat gradual shape of the chisel makes the Labrador particularly easy to pull. It also ensures that the soil breaks up towards the front and upwards.
- Infinitely variable adjustment of the chisels on the frame from 100 - 225 centimetres tractor track width.
- In addition to tramline loosening, a 3rd chisel is available as an accessory for other loosening measures.

Protection from Damage

Double-cutting shear bolt devices with a shear force of 8.5 t per bolt provide protection from damage, without deflecting right away on small obstacles.

- Like all other LEMKEN implements, the Labrador is equipped with a spring-steel cross shaft.
- Its elasticity absorbs impacts and thus protects the tractor and implement.



Technical Data

Front mounted cultivator Topas

Description	Working width [cm]	Weight [kg]	HP	kW	Number of tines
Topas 140-5-250	250*	381	70-135	51-99	5
Topas 140-7-300	300	415	90-150	66-110	7
Topas 140-9-400	400	540	100-170	74-125	9

* can be enlarged for 3 m working width

Pre-Loosener Dolomit 9

Description	Working width [cm]	Weight [kg]	HP	kW	Number of tines
Dolomit 9/300	300	430	80-170	59-125	4
Dolomit 9/400	400	550	100-200	74-147	6

Subsoiler Labrador

Description	Working width [cm]	Weight [kg]	HP	kW	Number of tines
Labrador 160	100-225	485	75-175	55-129	2

Standard equipment Topas:

- Box section frame 140 x 140 mm
- Rigid tines with shearbolt device
- Wing shares, on request flat shares for deeper soil loosening without mixing
- Three-point linkage Cat. 2 (or Cat. 3)
- Outer guideboards
- Underframe clearance 75 cm
- Tine step of 60 cm
- Angle adjustment

Standard equipment Dolomit:

- Lower link attachment Cat. 2 and Cat. 3
- Box section frame 160x160 mm and 140x140 mm
- Hard-faced points and one-piece wing shares
- Height adjustable legs

Standard equipment Labrador:

- Lower link attachment Cat. 3N=L2 Z3 (or Cat. 3)
- Box section frame 160 x 160 mm
- Reversible and exchangeable shares and shins
- Double cutting shearbolt device
- Underframe clearance 80 cm
- Stand
- Adjustable legs to all tractor track widths

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