

► Versatile container systems
in Euro dimensions



LTF series

Storage and transport system

Containers for fully-automatic storage systems as well as re-usable packaging for external transport

New: with divider system

600 x 400



Polypropylene

35 kg, 50 kg, 70 kg

600 kg



on request



A42



LTS series

Storage and transport system

Extremely robust container for automatic storage systems

300 x 200
400 x 300
600 x 400



Polypropylene

50 kg

600 kg



on request



A46



KLT series

KLT container systems

Special containers for material flow conforming to VDA standard in the car industry for component transport between car OEM's and tiered suppliers

R-, RL-, C-, F- and L-KLT series

300 x 200
400 x 300
600 x 400
800 x 600



Polypropylene

20 kg, 50 kg

600 kg



on request



✓ gripping technology



A60

KLT container system – Material flow conforming to VDA standard

KLT series – mini-load container

The KLT mini-load container represents a standard container for both manual and automated handling. These are used as special containers for material flow conforming to the VDA standard in the car industry, for component transport between car manufacturers and tiered suppliers.

KLT containers are especially suitable for:

- automated parts picking from the container and positioning of empty stacks,
- horizontal and vertical handling by means of KLT grooves and slots,
- gripping technology facilitated by 2 grooves on the longitudinal sides,
- use in mini-load systems, thanks to grip grooves on front and sides.

All containers are designed to be stackable on 1200 x 1000 and 1200 x 800 mm pallets. The base ribbing and stacking feet guarantee the container stability and prevent it from tipping over.

Beyond that, they offer favorable conditions with regard to cleaning and fire resistance due to their double-wall construction. The R -, RL- and foldable KLT series are optionally available with water drainage holes in the base.





► Polypropylene

resistant to most oils, acids and alkalis,
quiet running on conveyors, withstands
temperatures from -20° to +100° Celsius

► Robust and stable design

► Fully recyclable

► Ergonomic hand grips

► Lifting slots for automatic handling

► Optimised effective volume

► Smooth internal walls

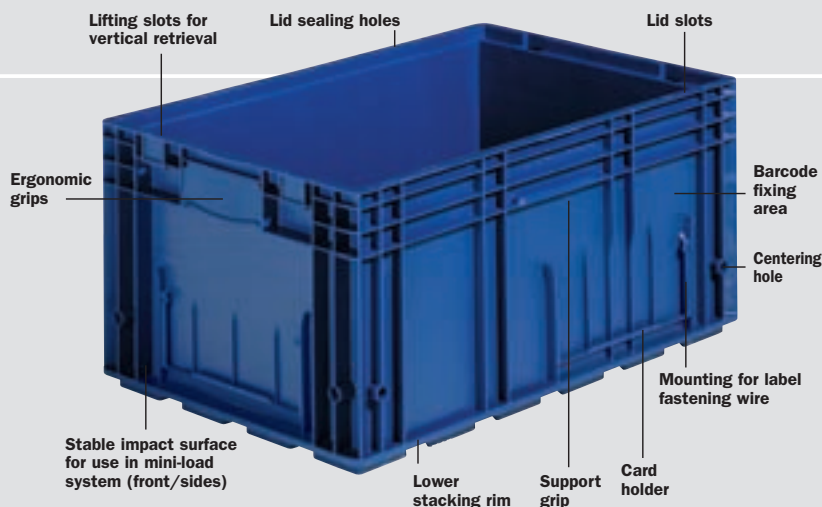
for easy cleaning

► Compatible

with all Euro dimension containers
and KLT models

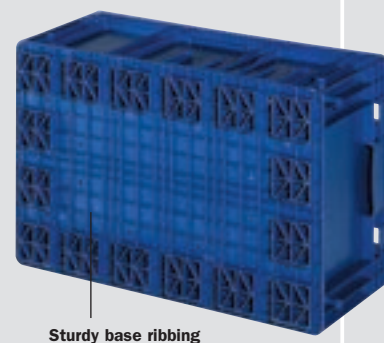
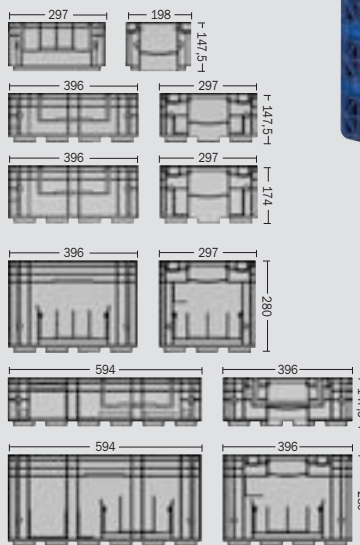
► VDA standard 4500

R-KLT series according to VDA 4500



R-KLT containers with sturdy base ribbing

Item	Interior dim. when stacked L x W x useable height (mm)	Capacity (litre)	Base	Order no.
R-KLT 3215	243 x 162 x 129,5	5,3		20704
R-KLT 4315	346 x 265 x 109,5	10,0		20714
R-KLT 4318*	346 x 265 x 135,0	12,5		24544
R-KLT 4318 VS01*	346 x 265 x 135,0	12,5		24574
R-KLT 4329	346 x 265 x 242,0	22,0		20724
R-KLT 6415	544 x 364 x 109,5	22,0		20794
R-KLT 6429	544 x 364 x 242,0	48,0		20734
R-KLT 6429 VS01*	544 x 364 x 242,0	48,0		24584



Sturdy base ribbing



Vibration welded base VS01

* without VDA recommendation

Vibration welded base (VS01 base – max. load 70 kg)

On-line shelving

from page G1

Lid

According to VDA recommendation 4500.

Sealed dust-proof closure. Containers can also
be stacked with lid.

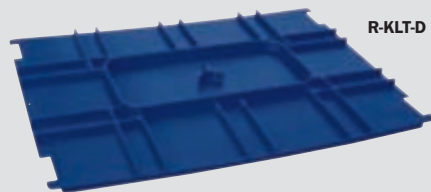
Polypropylene material.

Colour: blue (RAL 5003).

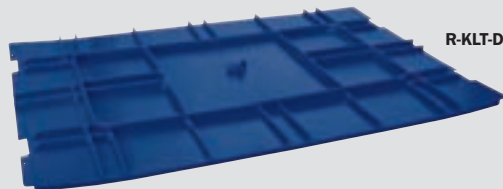
Item	For containers L x W (mm)	Order no.
R-KLT-D 39	297 x 198	20804
R-KLT-D 49	396 x 297	20814
R-KLT-D 69	594 x 396	20824



R-KLT-D 39



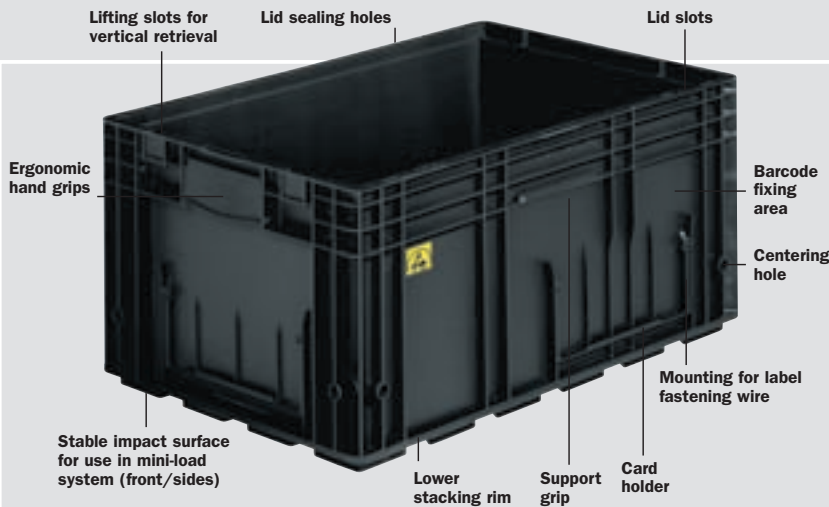
R-KLT-D 49



R-KLT-D 69



R-KLT series conforming to VDA 4504 – electrostatic-conducting



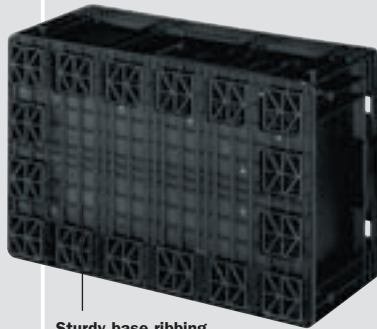
- **Polypropylene**
resistant to most oils, acids and alkalis, quiet running on conveyors, withstands temperatures from -20° to +100° Celsius
- **Robust and stable design**
- **Fully recyclable**
- **Ergonomic hand grips**
- **Lifting slots for automatic handling**
- **Optimised effective volume**
- **Smooth internal walls**
for easy cleaning
- **Compatible**
with all Euro dimension containers and KLT models
- **VDA standard 4504 / 4 - 10**

► Electro-static conductive polypropylene (PPL)

Specific volume resistance	Normal PE/PP 10 ¹⁸ Ohm x cm <	PPL ≥ 1 x 10 ⁴ x ≤ 1 x 10 ¹⁰ Ohm
Specific surface resistance	10 ¹⁴ Ohm	≥ 1 x 10 ⁴ x ≤ 1 x 10 ¹⁰ Ohm

R-KLT container/electrostatic-conducting

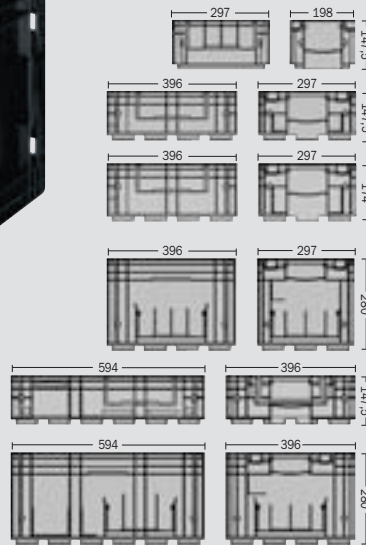
Item	Interior dim. when stacked L x W x useable height (mm)	Capacity (litre)	Base	Order no.
R-KLT 3115 ESD	243 x 162 x 129,5	5,3		20708
R-KLT 4115 ESD	346 x 265 x 109,5	10,0		20718
R-KLT 4118 ESD*	346 x 265 x 135,0	12,5		24598
R-KLT 4118 VS01 ESD*	346 x 265 x 135,0	12,5	VS	24608
R-KLT 4129 ESD	346 x 265 x 242,0	22,0		20728
R-KLT 6115 ESD	544 x 364 x 109,5	22,0		20798
R-KLT 6129 ESD	544 x 364 x 242,0	48,0		20738
R-KLT 6129 VS01 ESD*	544 x 364 x 242,0	48,0	VS	24618



Sturdy base ribbing



Vibration welded base VS01



VS Vibration welded base (VS01 base – max. load 70 kg)

* without VDA recommendation



R-KLT-D 41 ESD



R-KLT-D 31 ESD



R-KLT-D 61 ESD



On-line shelving

from page G1

Lid

According to VDA recommendation 4504.

Sealed dust-proof closure. Containers can also be stacked with lid.

Polypropylene material, electrostatic-conducting.

Colour: black.

Item	For containers L x W (mm)	Order no.
R-KLT-D 31 ESD	297 x 198	20808
R-KLT-D 41 ESD	396 x 297	20818
R-KLT-D 61 ESD	594 x 396	20828



► Polypropylene

resistant to most oils, acids and alkalis,
quiet running on conveyors, withstands
temperatures from -20° to +100° Celsius

► Robust and stable design

► Fully recyclable

► Ergonomic hand grips

► Lifting slots for automatic handling

► Optimised effective volume

► Smooth internal walls

for easy cleaning

► Compatible

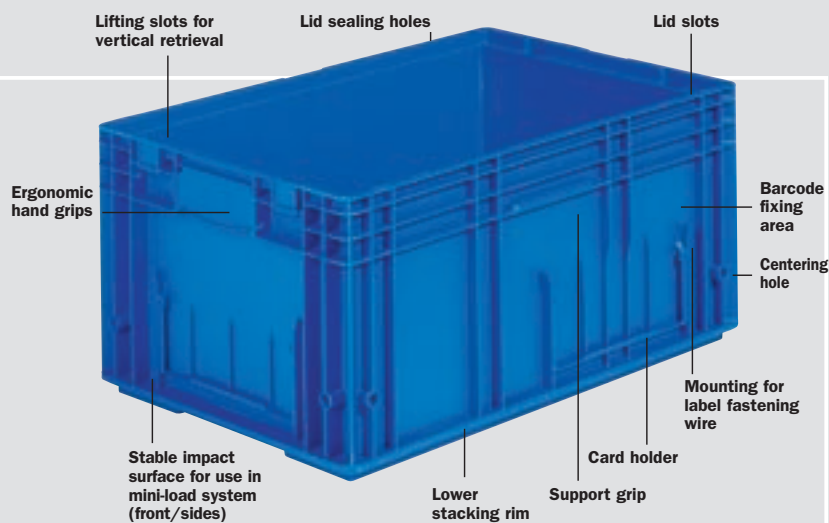
with all Euro dimension containers
and KLT models

► Water drainage holes in the base

can be supplied acc. to VDS classification
directive BG 4.3. (not RL-KLT 3147)

► VDA standard 4500

RL-KLT series according to VDA 4500



RL-KLT containers with smooth base

Item	Interior dim. when stacked L x W x useable height (mm)	Capacity (litre)	Order no.
RL-KLT 3147	243 x 162 x 129,5	5,3	20744
RL-KLT 4147	345 x 260 x 129,5	11,8	20754
RL-KLT 4174*	345 x 260 x 147,5	13,2	24624
RL-KLT 4280	345 x 260 x 262,0	24,1	20764
RL-KLT 6147	544 x 359 x 129,5	25,0	20784
RL-KLT 6280	544 x 359 x 262,0	51,9	20774



* without VDA recommendation

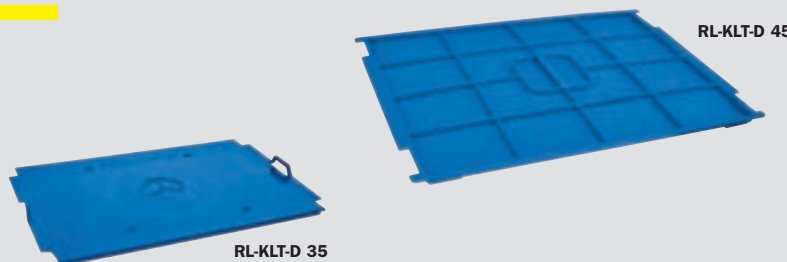
Lid

According to VDA recommendation 4500.

Sealed dust-proof closure. Containers can also be
stacked with lid.

Polypropylene material.

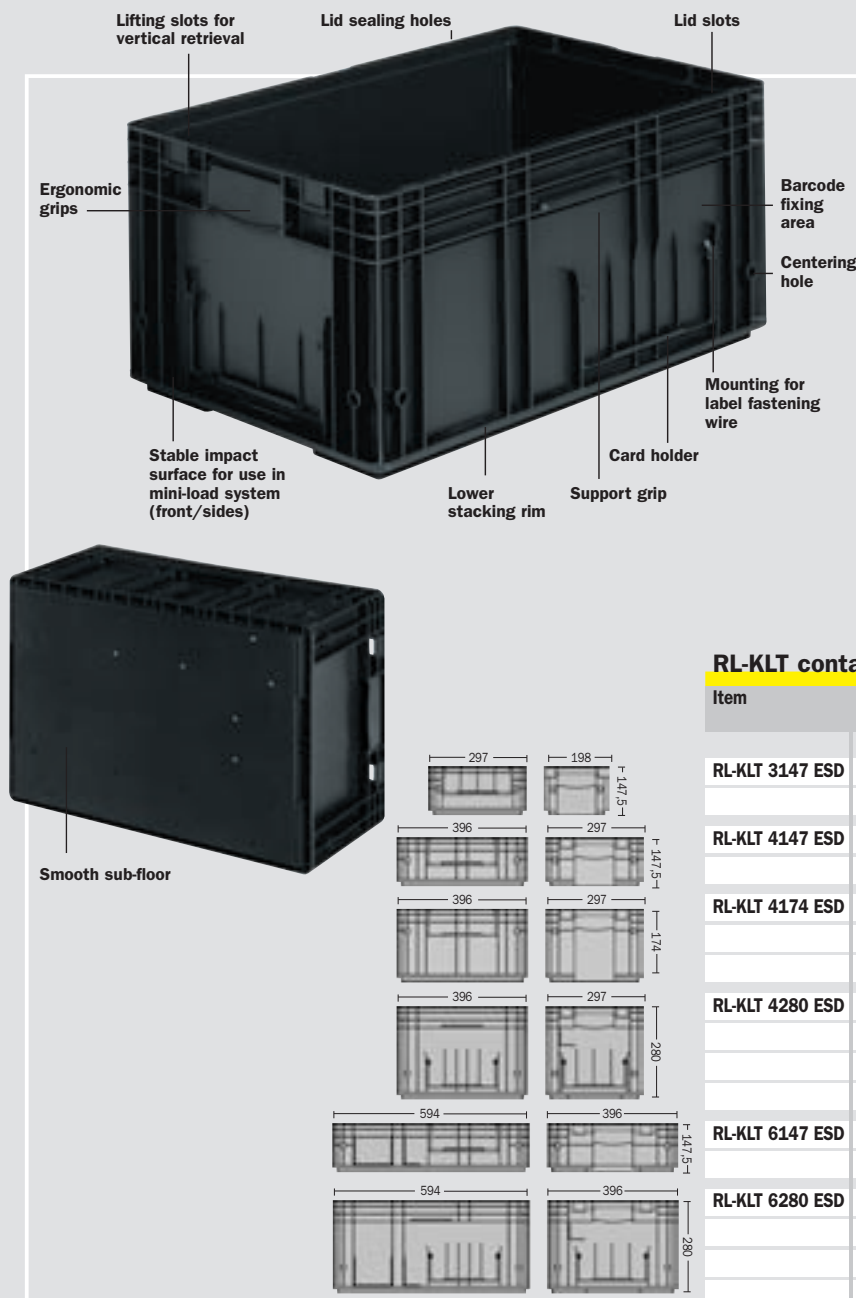
Colour: blue (RAL 5005).



Item	For containers L x W (mm)	Order no.
RL-KLT-D 35	297 x 198	20854
RL-KLT-D 45	396 x 297	20834
RL-KLT-D 65	594 x 396	20844



RL-KLT series – electrostatic-conducting



► Polypropylene

resistant to most oils, acids and alkalis, quiet running on conveyors, withstands temperatures from -20° to +100° Celsius

► Robust and stable design

► Fully recyclable

► Ergonomic hand grips

► Lifting slots for automatic handling

► Optimised effective volume

► Smooth internal walls

for easy cleaning

► Compatible

with all Euro dimension containers and KLT models

► Water drainage holes in the base

can be supplied acc. to VDS classification directive BG 4.3. (not RL-KLT 3147)

► Electro-static conductive polypropylene (PPL)

Specific volume resistance
Specific surface resistance

Normal PE/PP

10^{18} Ohm x cm <

10^{14} Ohm

PPL

10^3 Ohm x cm

10^4 Ohm

RL-KLT container/electrostatic-conducting

Item	Interior dim. when stacked L x W x useable height (mm)	Capacity (litre)	Order no.
RL-KLT 3147 ESD	243 x 162 x 129,5	5,3	20748
RL-KLT 4147 ESD	345 x 260 x 129,5	11,8	20758
RL-KLT 4174 ESD	345 x 260 x 147,5	13,2	24638
RL-KLT 4280 ESD	345 x 260 x 262,0	24,1	20768
RL-KLT 6147 ESD	544 x 359 x 129,5	25,0	20788
RL-KLT 6280 ESD	544 x 359 x 262,0	51,9	20778



On-line shelving

from page G1

Lid

Sealed dust-proof closure. Containers can also be stacked with lid.

Polypropylene material, electrostatic-conducting.

Colour: black.

Item	For containers L x W (mm)	Order no.
RL-KLT-D 32 ESD	297 x 198	86008
RL-KLT-D 42 ESD	396 x 297	86018
RL-KLT-D 62 ESD	594 x 396	86028



► Polypropylene

resistant to most oils, acids and alkalis,
quiet running on conveyors, withstands
temperatures from -20° to +100° Celsius

► Robust and stable design

► Fully recyclable

► Smooth internal walls for easy cleaning

► Manual and automatic handling

► Stable when stacked

thanks to base ribbing with stacking feet

► Use in mini-load systems

thanks to grip grooves on the front and sides

► Horizontal and vertical grip

in KLT grooves and lifting slots

► Gripping technology on the longitudinal sides

thanks to two vertical grip grooves

► Automatic parts picking

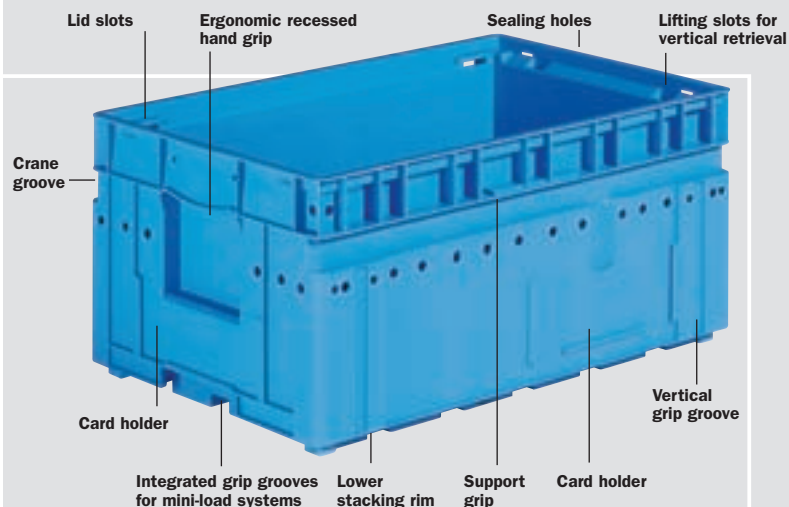
and positioning on empty stacks

► Hazardous goods containers

available with UN certification

► VDA standard 4500

C-KLT series according to VDA 4500

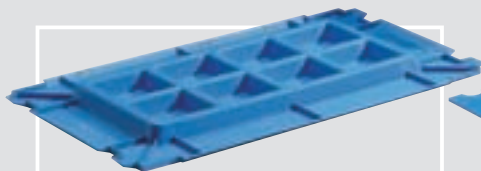


Sturdy base ribbing

C-KLT containers with sturdy base ribbing

Item	Internal dim. when stacked L x W x useable height (mm)	Content (litre)	Fill weight max. (kg)	Load b. max. (kg)*	Order no.
C-KLT 3214	260 x 136 x 127,5	4,6	30	400	15764
C-KLT 4314	334 x 247 x 103,5	8,5	50	600	15774
C-KLT 4321	334 x 247 x 169,75	14,0	50	600	1604
C-KLT 4328	334 x 247 x 236,0	19,0	50	600	15784
C-KLT 6414	532 x 346 x 98,5	18,0	50	600	15804
C-KLT 6417	532 x 346 x 125,0	23,0	50	600	1614
C-KLT 6421	532 x 346 x 164,75	30,0	50	600	1624
C-KLT 6428	532 x 346 x 231,0	43,0	50	600	15794

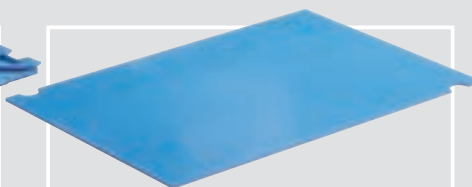
* evenly distributed



Lid

Sealable, dust-proof. Container can be stacked
when lid is in place, indentation of 15 mm.
Material polypropylene, colour blue (RAL 5012).

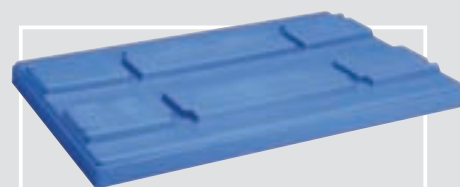
Item	For container L x W (mm)	Order no.
C-KLT-D 32	297 x 198	16514
C-KLT-D 43	396 x 297	16414
C-KLT-D 64	594 x 396	16424



Insert bases

With moulded grip indentations to protect goods
stored on top of each other.
Material polypropylene, colour blue (RAL 5012).

Item	For container L x W x H (mm)	Order no.
ZL 43	329,0 x 243,0 x 3	39684
ZL 64	526,5 x 341,5 x 3	39694



Top cover

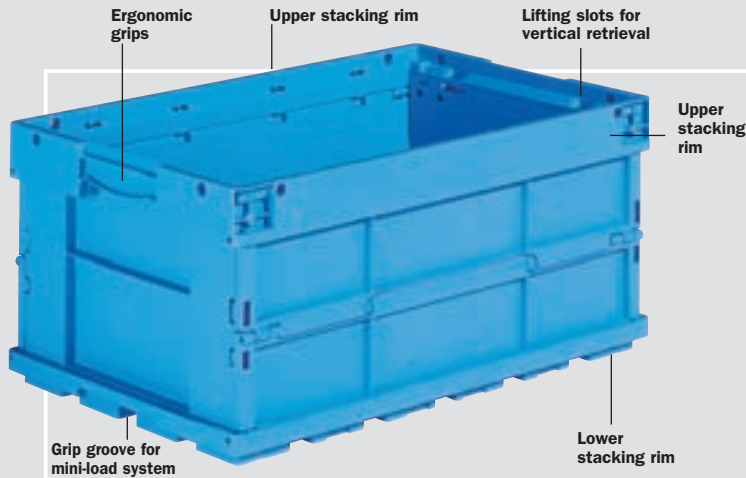
Used to cover KLT containers stacked on a
Euro pallet. Equipped for banding. Suitable
for all KLT containers.

Item	For pallet L x W (mm)	Order no.
A 1208	1200 x 800	39704

Other sizes on request.



Foldable KLT according to VDA 4500



Sturdy base ribbing



Smooth sub-floor

Foldable KLT

folded size: 94.5 mm, stacked 79.5 mm,
max. load: 20 kg

Long service life

thanks to stable container design

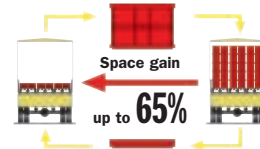
Fully compatible with all KTL containers

especially suitable for use in the automotive industry

VDA standard 4500

Volume reduction

up to 65% for return transport



Conductive polypropylene (PPL)

Specific
volume
resistance
Specific
surface
resistance

Normal PE/PP

10^{18} Ohm x cm <

10^{14} Ohm

PPL

10^3 Ohm x cm

10^4 Ohm

PPL BLACK



Foldable KLT according to VDA 4500 with honeycomb base

Item	Internal dim. when stacked L x W x useable height (mm)	Capacity (litre)	Order no.
F-KLT 6410	534 x 357 x 257	46,0	2204
F-KLT 6410 PPL			2208

Foldable KLT according to VDA 4500 with smooth base

Item	Internal dim. when stacked L x W x useable height (mm)	Capacity (litre)	Order no.
F-KLT 6410 G	534 x 353 x 277	49,5	2094



Ergonomic hand grip at the front



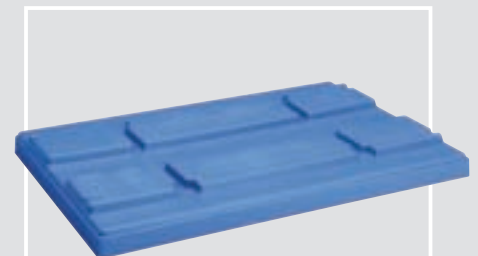
Sturdy corner ribbing



VDA card holder



Lifting slots for vertical retrieval



Top cover

Used to cover KLT containers stacked on a Euro pallet. Equipped for banding. Suitable for all KLT containers.

Item	For pallet L x W (mm)	Order no.
A 1208	1200 x 800	39704

Other sizes on request.



► Polypropylene

resistant to most oils, acids and alkalis, quiet running on conveyors, withstands temperatures from -20° to +100° Celsius

► Robust and stable design

► Fully recyclable

► Ergonomic hand grips

► Optimised effective volume

► Lifting slots for automatic handling

► Smooth base ensures low noise properties

thanks to the smooth base

► Compatible

with all Euro dimension containers and KLT models

► Water drainage holes in the base

can be supplied acc. to VDS classification directive BG 4.3. (not L-KLT 3147)

► Conductive polypropylene (PPL)

Specific volume resistance
Specific surface resistance

Normal PE/PP

10^{18} Ohm x cm <

10^{14} Ohm

PPL

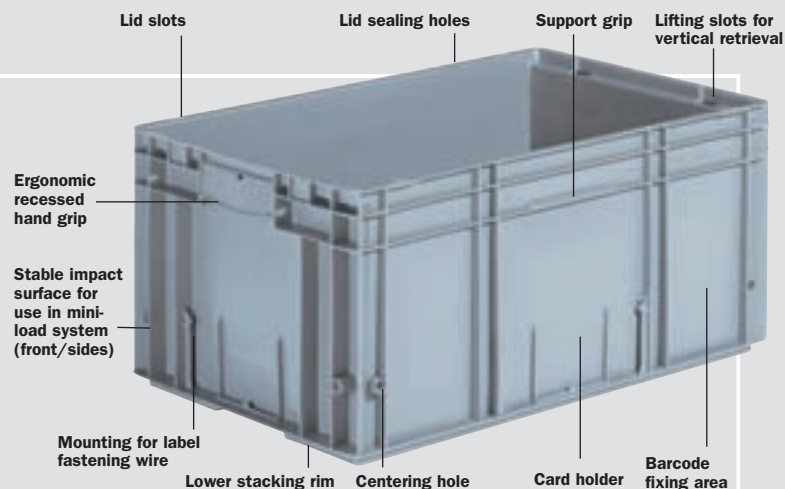
10^3 Ohm x cm

10^4 Ohm

PPL BLACK



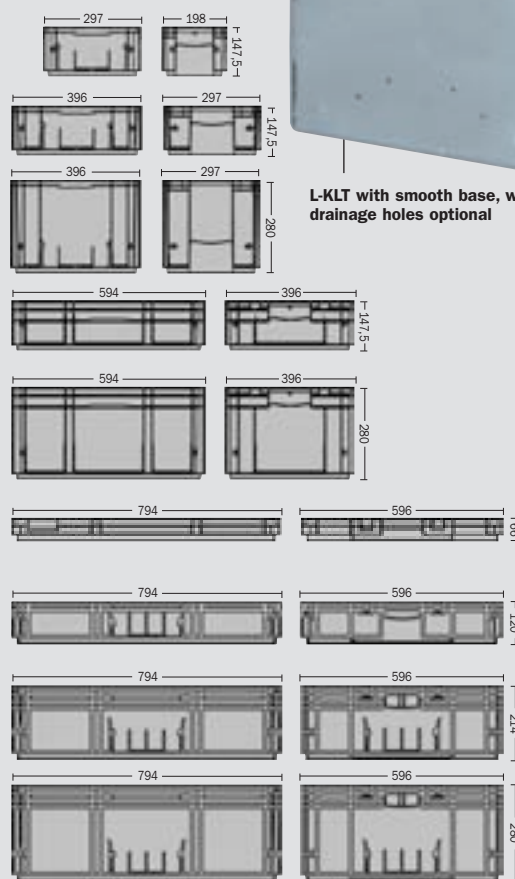
L-KLT series



L-KLT with smooth base, water drainage holes optional

L-KLT containers with smooth base

Item	Internal dim. when stacked L x W x useable height (mm)	Capacity (litre)	Base	Order no.
L-KLT 3147	245 x 163 x 129	5,15		2174 2175 —
L-KLT 3147 PPL				— — 2178
L-KLT 4147	344 x 261 x 129	12,0		2184 2185 —
L-KLT 4147 PPL				— — 2188
L-KLT 4280	344 x 261 x 262	24,0		2104 2105 —
L-KLT 4280 PPL				— — 2108
L-KLT 6147	543 x 360 x 129	28,2		2084 2085 —
L-KLT 6147 PPL				— — 2088
L-KLT 6280	541 x 360 x 261	51,0		2194 2195 —
L-KLT 6280 PPL				— — 2198
L-KLT 8066	739 x 555 x 44	18,0		2074 2075 —
L-KLT 8066 PPL				— — 2078
L-KLT 8066 VS02	739 x 555 x 27	18,0		86034 86035 —
L-KLT 8120	740 x 555 x 98	40,0		2064 2065 —
L-KLT 8120 PPL				— — 2068
L-KLT 8120 VS02	740 x 555 x 79	40,0		86044 86045 —
L-KLT 8210	739 x 556 x 192	79,0		2044 2045 —
L-KLT 8210 PPL				— — 2048
L-KLT 8210 VS01	739 x 556 x 174,5	71,5		2054 2055 —
L-KLT 8280	739 x 556 x 256	107,0		20684 20685 —
L-KLT 8280 VS01				20694 20695 —



Vibration welded base (VS01/VS02 base – max. load 70 kg)



Card holder on front and sides



Ergonomic hand grip at the front



Sturdy corner ribbing