



YOUR RESPONSIBLE PARTNER



sales manual
tractor equipment

version 1.2024

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KESLA-LOADERS



KESLA LOADER IS SUITABLE FOR MANY TASKS

KESLA loader is handy in the forest, as well as in many other tasks. Attaching the loader onto the tractor's rear platform increases the usability of the loader even more. We warmly recommend opening up your mind to all new ideas and utilization of loader use.

Watch a
video



MUNICIPALITY

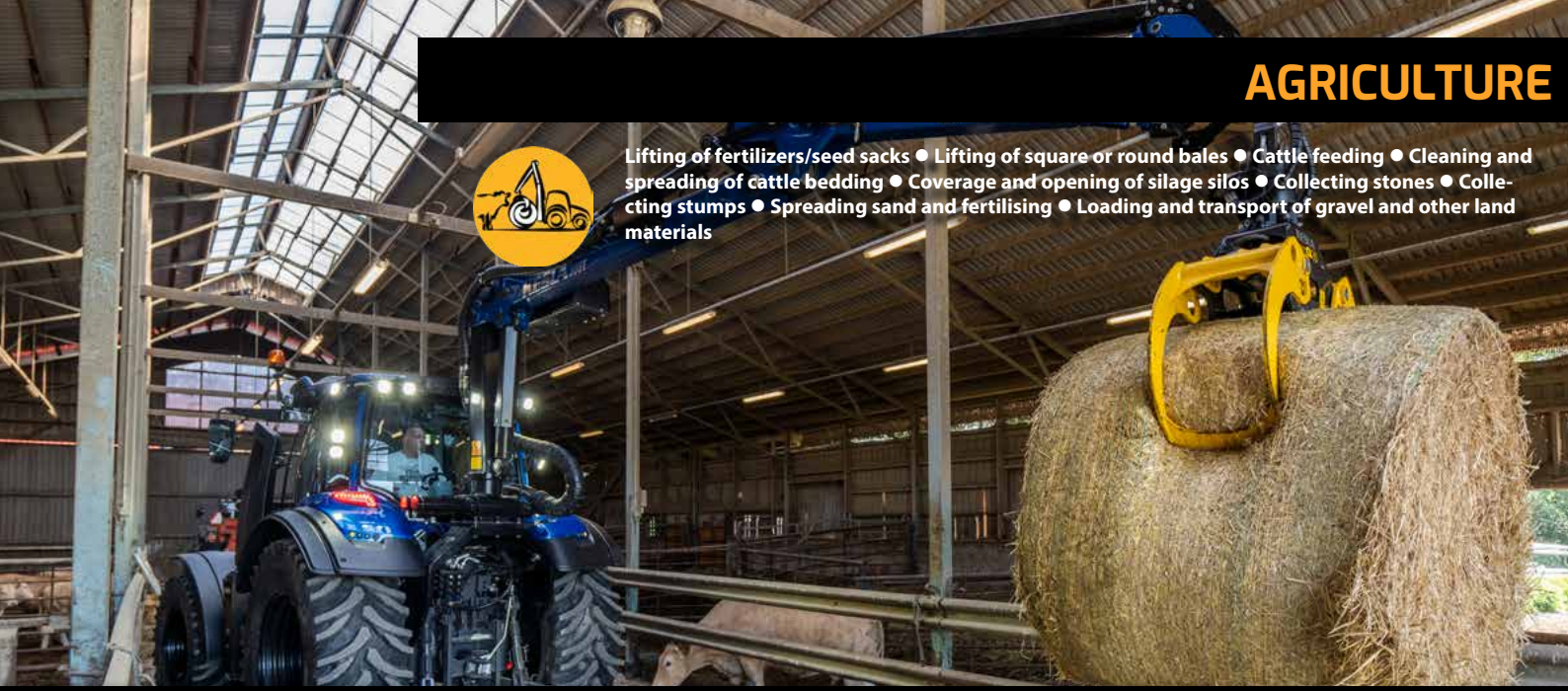


Sand, gravel, fertilizer loading and spreading • Demolition and mounting work on building sites
• Gathering and moving grass and leaf waste • Indoor and outdoor building work • Installation
of foundation stones • Sandbox filling • Garden landscaping • Ditch dredging
Beach cleaning • Embankment works • Excavation works





Lifting of fertilizers/seed sacks • Lifting of square or round bales • Cattle feeding • Cleaning and spreading of cattle bedding • Coverage and opening of silage silos • Collecting stones • Collecting stumps • Spreading sand and fertilising • Loading and transport of gravel and other land materials



FORESTRY



⚠️ ← 60 m → ⚠️

Cutting and trimming logs • Energy wood cutting, loading, stacking and transportation • Chipping wood • Ditch digging • Ditch cleaning

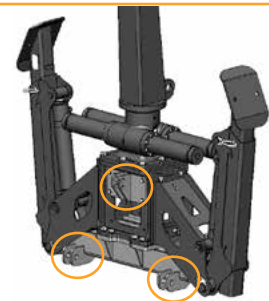




ALTERNATIVES FOR MOUNTING A KESLA LOADER

MOUNTING ON A LIFTING DEVICE

300 series +
Flapdown stabilizer
+ 3 point adapter



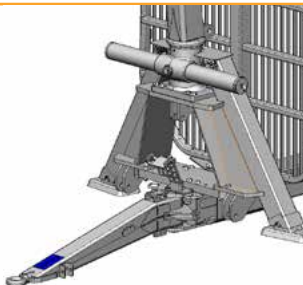
MOUNTING ON A LIFTING DEVICE

200 series +
A-frame stabilizer



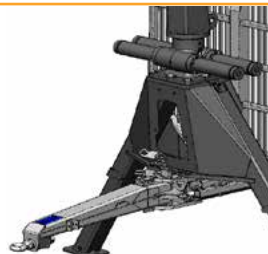
MOUNTING ON A TRAILER DRAWBAR

200 series +
A-frame stabilizer +
attaching plate



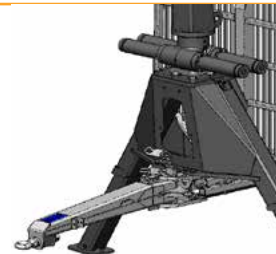
MOUNTING ON A TRAILER DRAWBAR

300 series +
a frame stabilizer or
Flapdown stabilizer



MOUNTING ON A TRAILER DRAWBAR

320 series +
Flapdown stabilizer





MOUNTING ON THE TRACTOR'S REAR PLATFORM

Rear platform mounting with adjustment kit adds to the versatility of the crane

- Use of the loader does not require forest trailer.
- A loader installed onto the rear platform with adjustment kit can work even in tightest spaces.
- When moving, the loader is placed on the tractor which does not influence other uses of the tractor.
- The loader can be detached easily even under 15 minutes.
- Valtra Unlimited Studio makes individually tailored loader solutions for new Valtra tractors, including mounting loaders with adjustment kit.





KESLA 200-SERIES LOADERS





KESLA 200-SERIES LOADERS





KESLA 200-SERIES LOADERS

Compact transport position

The transport position of the loader 202T-203T takes only a little space from the load itself, as the boom folds onto the outer boom.

Good loading features

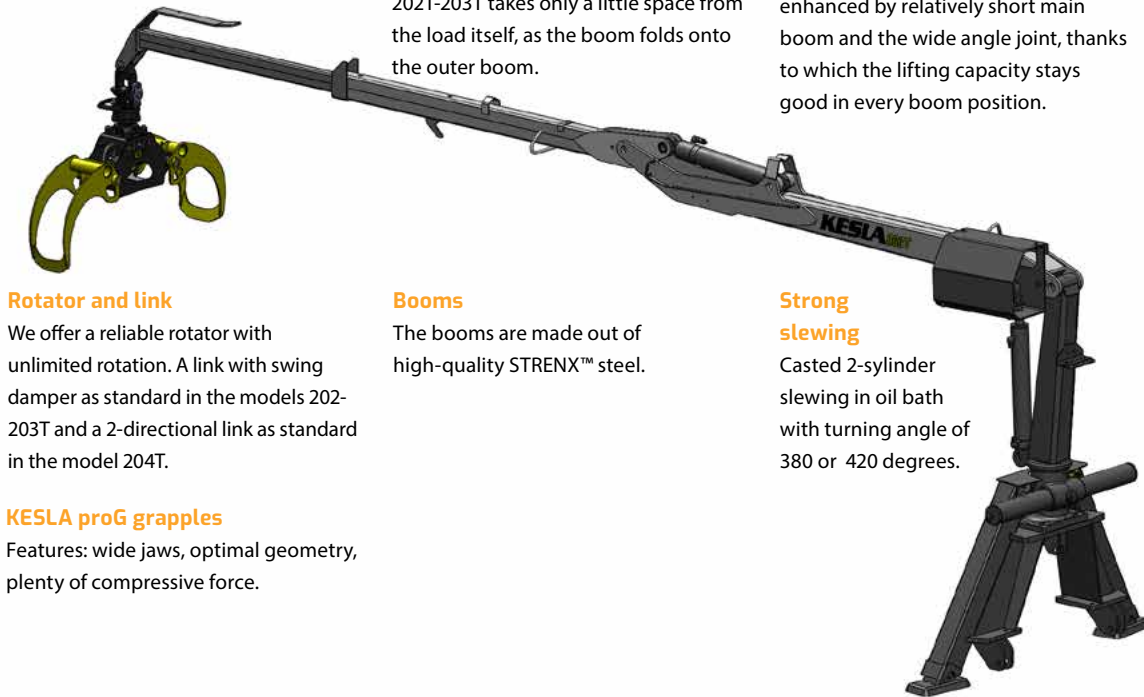
The loading features of the 204T are enhanced by relatively short main boom and the wide angle joint, thanks to which the lifting capacity stays good in every boom position.

Durable bearings

Durable bearings of good quality with very low coefficient friction. Thanks to that better fuel economy can also be achieved.

Control valve options

A wide selection of high-quality control valves: mechanically, hydraulically and electrically controlled valves. All the electrically controlled valves are mounted to the crane's lifting boom.



Rotator and link

We offer a reliable rotator with unlimited rotation. A link with swing damper as standard in the models 202-203T and a 2-directional link as standard in the model 204T.

Booms

The booms are made out of high-quality STRENGTH™ steel.

Strong slewing

Casted 2-sylinder slewing in oil bath with turning angle of 380 or 420 degrees.

Practical stabilizers

Durable, telescopic A-frame stabilizers have long enough stroke and the cylinders are protected inside the stabilizer legs. The leg package is angled a bit backwards which keeps them from contacting the tyres.

Lifting cylinder guard

Included as a standard delivery in the 203T-204T-models.



KESLA 200-SERIES LOADERS

**Recommended trailer:
KESLA 104 >>>**

**Recommended trailer:
KESLA 114 >>>**

**Loaders' dimension
information >>>**

Technical data

KESLA	202T	203T	204T
Outreach (m)	6,15	6,70	6,80
Boom extender (m)	1,20	1,40	1,65
Gross lifting torque (kNm)	24,6	36,5	42
Lifting capacity at 4 m* (kg)	425	690	795
Lifting capacity at maximum reach* (kg)	265	405	410
Slewing torque (kNm)	7,1	8,0	8,0
Slewing angle (o)	420	380	380
Grapple	proG20	proG20	proG20
Area (m2)	0,18	0,18	0,18
Largest opening (cm)	124	124	124
Jaw width of the grip, max (mm)	298	298	298
Rotator - CR300 (Nm/angle)	750/unlimited	750/unlimited	820/unlimited
Operating pressure (bar)	175	175	190
Recommended oil flow** (l/min)	30-50	30-50	30-60
Total weight*** (kg)	495	625	690

* Lifting capacity without grapple and rotator. The loader's lifting capacity depends on the height position and the outreach of the crane. ** The recommended oil flow depends on the valve selection.

***The weight of the booms.

Lifting capacity

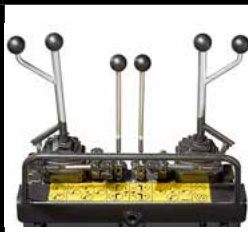
KESLA	3 m	4 m	5 m	6 m	max
202T	605	425	350	275	(6,15 m) 265
203T	805	691	525	443	(6,7 m) 405
204T	900	795	580	455	(6,8 m) 410



200-SERIES - CONFIGURATION

Finnhydraulic RS218/8,
mechanical 2-lever control

KUxx - 20 - 11



Walvoil SD-8
servohydraulic control valve

KUxx - 20 - 20

Walvoil SD-8
servohydraulic control valve
(JAKE compatible)

KUxx - 20 - 21



Walvoil DPX 100 /6+2,
electric control valve
(valve package mounted
to the lifting boom)

KUxx - 20 - 31



Walvoil DPX 100 /6+2,
electric control valve,
KESLA proC
(valve package mounted
to the lifting boom)

KUxx - 20 - 33



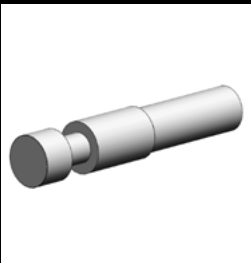
Top seat equipment, MiniE
(incl. Finnhydraulic RS214 x2 /8,
mechanical 2-lever control)

KUxx - 20 - 60



LS installation for
Walvoil DPX 100
(installed to the control valve)

KUxx - 30 - 20

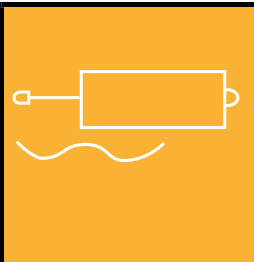




200-SERIES - CONFIGURATION

Floating for lifting and
slewing cylinders
(installed to valve package)

KUxx - 40 - 20



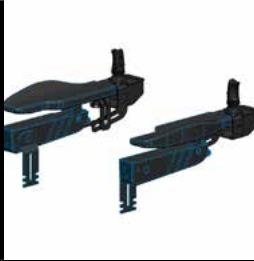
Armrests for
Walvoil joysticks

KUxx - 50 - 20



Armrests for
KESLA proC mini joysticks

KUxx - 50 - 30



Armrests for KESLA proC
mini joysticks
(VALTRA Arm / Smart Touch
fittings at right side)

KUxx - 50 - 40



Rotator link, w/o
swing damper (CR300)

KUxx - 90 - 11





200-SERIES - CONFIGURATION

Rotator link with swing damper (CR300)

KUxx - 90 - 20



Rotator link with double brake (204T)

KU03 - 90 - 21



Rotator, CR 300

KUxx - 100 - 20

Rotator, CR 400 (204T)

KU03 - 100 - 30



Grapple, KESLA proG 20, 0,18 m²

KUxx - 110 - 20



A-frame stabilizers (200 series)

KUxx - 130 - 20



Working light set STANDARD LED mounted on the pillar (202T-203T)

KUxx - 140 - 20

Working light set STANDARD LED mounted on the second boom (204T)

KU03 - 140 - 20





200-SERIES - CONFIGURATION

Working light set PREMIUM LED on the transfer boom (204T)

KU03 - 140 - 30



Radio controlled winch 1 400 kg, on the lifting boom (incl. wire 40 m/ 6 mm, hoses, remote control, batteries)

KUxx - 150 - 20



Winch power is taken from the crane's control valve (electric switch for any electric valve, mechanical faucet for Walvoil SD8)

KUxx - 160 - 20



Winch power is taken from tractor's own rear hydraulic output (longer hydraulic hoses)

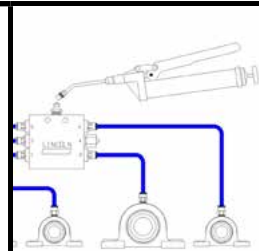
KUxx - 160 - 30

Centralized lubrication system for KESLA crane (the upper 6 greasing points) (202T-203T)

KUxx - 170 - 20

Centralized lubrication system for KESLA crane (the upper 4 greasing points) (204T)

KU03 - 170 - 20



Special painting

KUxx - 180 - 20

Special painting, metallic colours and varnish.

KUxx - 180 - 30

Main and second booms are painted to RAL -colour of your choice. (The RAL code need to be mentioned to the order!)



Loader installation position:
Flange installation

KUxx - 205 - 10

(mounting kits, fixed installations etc.)





200-SERIES - CONFIGURATION

Loader installation position:

Loader installed on top of the stabilizers, on the KESLA-trailer's frame.

KUxx - 205 - 30



Loader installed on top of A-frame stabilizers and whole package installed on the tractor's 3 point hitch

KUxx - 205 - 40



Extra plate for stabilizers - Flapdown and A-frame stabilizers (pair)

29016201



Manure / forage grab for the KESLAproG20 grapple (a pair)

29013607



Gravel clamshell bucket for the KESLA proG20 grapple (150 litres) (a pair)

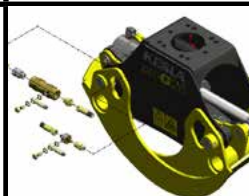
29013595



Load hold valve for the KESLA proG20 grapple

90028074

(safety equipment, which keeps the grapple better in user's control in case of hose breakage)





KESLA 300-SERIES LOADERS





KESLA 300-SERIES LOADERS





KESLA 300-SERIES LOADERS

Power for the use of the grapple

In addition to the standard rotators, also strong rotators and links from Indexator and Finnrotor range are available. The bring some real strength and control for grapple use.

Protected hosing

In all 300 series loaders the outer boom hosing is well protected on top of the boom and easy to service. In models with double extension the hosing is well protected and easily serviced with roller guides.

Durable bearings

Durable bearings of good quality with very low coefficient friction. Thanks to that better fuel economy can also be achieved.

A strong winch available

A stronger winch (2 200 kg, 8 mm / 35 m line) is available for the 300 series loaders. The winch can be controlled from loader or tractor's hydraulic valve.

Excellent near-loading features

The 300 series loaders have excellent close range loading features thanks to the wide angle joint. This feature is strengthened by short lifting boom – without compromising in outreach.

Several control valve options

A wide selection of high-quality control valves: mechanically, hydraulically and electrically controlled valves. All the electrically controlled valves are mounted to the crane's lifting boom.

A-frame stabilizers

When the loader is mounted on the trailer drawbar, KESLA A-frame stabilizers bring stability even when handling heavy loads. The LS pump can be installed inside the stabilizers.

Sturdy grapple

We recommend KESLA proG20 and 26 grapples that are planned for heavy use and can be widely accessorized.

Rotator and link

A reliable rotator with unlimited rotation. Link with swing damper comes as standard in the bigger models. 2-directional link with swing damper as accessory.

Booms

The booms are made out of high-quality STRENX™ steel.

Strong slewing

Casted 4-sylinder slewing in oil bath with slewing angle of 380 degrees.





**Recommended
trailer: KESLA 114 >>>**

**Recommended
trailer: KESLA 124 >>>**

**Loaders' dimension
information >>>**



KESLA 300-SERIES LOADERS

314 | 314T

Technical data

KESLA	314	314T
Outreach (m)	7,1	8,7
Boom extender (m)	1,80	2 x 1,70
Gross lifting torque (kNm)	59	59
Lifting capacity at 4 m* (kg)	1 165	1 065
Lifting capacity at maximum reach* (kg)	620	440
Slewing torque (kNm)	13,5	13,5
Slewing angle (o)	380	380
Grapple	proG26	proG26
Area (m2)	0,24	0,24
Largest opening (cm)	132	132
Jaw width of the grip, max (mm)	377	377
Rotator (Nm/angle)	CR400/900/unlimited link with swing damper	CR400/900/unlimited link with swing damper
Operating pressure (bar)	190	190
Recommended oil flow** (l/min)	40-70	40-70
Recommended oil flow, LS** (l/min)	100-130	100-130
Total weight*** (kg)	980	1080

* Lifting capacity without grapple and rotator. The loader's lifting capacity depends on the lifting height position and outreach of the booms.

** The recommended oil flow depends on the selected valve.

***The weight of the booms.

Lifting capacity

KESLA	3 m	4 m	5 m	6 m	7 m	8 m	max m
314	1 565 kg	1 165 kg	920 kg	765 kg	-	-	(7,1 m) 620 kg
314T	1 455 kg	1 065 kg	840 kg	690 kg	575 kg	490 kg	(8,7 m) 440 kg

**Recommended trailer:
KESLA 114 >>>**

**Recommended trailer:
KESLA 124 >>>**

**Recommended trailer:
KESLA 144 >>>**

**Loaders' dimension
information >>>**



KESLA 300-SERIES LOADERS

305 | 305T

Technical data

KESLA	305	305T
Outreach (m)	6,90	8,50
Boom extender (m)	1,80	2x1,70
Gross lifting torque (kNm)	65	65
Lifting capacity at 4 m* (kg)	1290	1150
Lifting capacity at maximum reach* (kg)	720	490
Slewing torque (kNm)	16	16
Slewing angle (o)	380	380
Grapple	proG26	proG26
Area (m2)	0,24	0,24
Largest opening (cm)	132	132
Jaw width of the grip, max (mm)	377	377
Rotator (Nm/angle)	CR500/1100/ rajaton jarruriipuke	CR500/1100/ rajaton jarruriipuke
Operating pressure (bar)	190	190
Recommended oil flow** (l/min)	50-80	50-80
Recommended oil flow, LS** (l/min)	110-140	110-140
Weight*** (kg)	1 260	1 370

* Lifting capacity without grapple and rotator. The loader's lifting capacity depends on the lifting height position and outreach of the booms.

** The recommended oil flow depends on the selected valve.

***The weight of the booms.

Lifting capacity

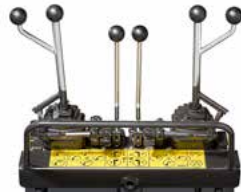
KESLA	3 m	4 m	5 m	6 m	7 m	8 m	max m
305	1650 kg	1290 kg	1060 kg	850 kg	-	-	720 kg (6,9 m)
305T	1500 kg	1150 kg	920 kg	730 kg	610 kg	525 kg	490 kg (8,5 m)



KESLA 300-SERIES CONFIGURATION

Finnhydraulic RS218 /8,
Mechanical 2-lever control

KUxx - 20 - 11



Walvoil SD-8 servohydraulic
control valve
(314-305T)

KUxx - 20 - 20



Walvoil SD-8 servohydraulic
control valve
(JAKE compatible)
(314-305T)

KUxx - 20 - 21

Walvoil DPX 100 /6+2,
electric control valve
(valve package mounted
to the lifting boom)

KUxx - 20 - 31



Walvoil DPX 100 /6+2,
electric control valve, KESLA
proC with mini joysticks
(valve package mounted
to the lifting boom)

KUxx - 20 - 33



Parker L90LS /6, electric
control valve, KESLA proC
with mini joysticks
(valve package mounted
to the lifting boom)
(314-305T)

KUxx - 20 - 41



Parker L90LS /6+2, electric
control valve,
KESLA proC with mini
joysticks
(valve package mounted
to the lifting boom)

KUxx - 20 - 43





KESLA 300-SERIES CONFIGURATION

Walvoil DPX 100 /6+2, electric control valve WITH HARVESTER HEAD RESERVATION, KESLA proC and Combi Otto -minijoysticks (valve package mounted to the lifting boom) (314-305T)
(Does not include hydraulic piping)

KUxx - 20 - 34



Parker L90LS /6, electric control valve WITH HARVESTER HEAD RESERVATION, KESLA proC and Combi Otto minijoysticks (valve package mounted to the lifting boom) (314-305T)
(Does not include hydraulic piping)

KUxx - 20 - 44



Parker L90LS /6+2, electric control valve WITH HARVESTER HEAD RESERVATION, KESLA proC and Combi Caldaro minijoysticks (valve package on the lifting boom) (314-305T)
(does not include hydraulic piping)

KUxx - 20 - 45



Top seat equipment, MiniE (incl. Finnhydraulic RS214 x2/8, mechanical 2-lever control)

KUxx - 20 - 60



Top seat equipment, MiniE (incl. Walvoil DPX 100 electrical control valve, KESLA proC with Walvoil joysticks)

KUxx - 20 - 61



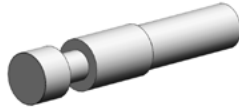
(available only for Japanese market)



KESLA 300-SERIES CONFIGURATION

LS-control installation for
Walvoil DPX 100
(installed to control valve)

KUxx - 30 - 20



Floating function for lifting
and slewing cylinders
(installed to valve package)

KUxx - 40 - 20



Armrests for the Walvoil
joysticks

KUxx - 50 - 20



Armrests for the KESLA proC
miniyoysticks

KUxx - 50 - 30



Armrest left and brackets for
KESLA proC miniyoysticks (for
VALTRA install when Valtra
Arm / Smart Touch
Is on right side)

KUxx - 50 - 40

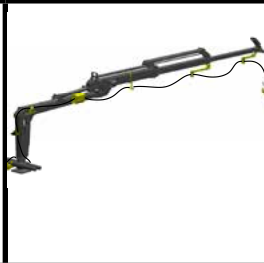




KESLA 300-SERIES CONFIGURATION

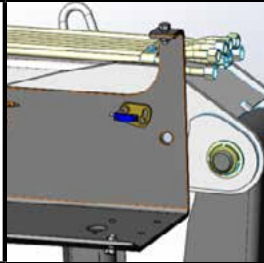
Additional hydraulic piping for the crane's boom 314/T, 305/T (incl. hydraulic hoses and electric wires from the lifting boom to the extender's head; 3 x hydraulic hoses (2x 3/4" and 1x 1/2") and 1x 3/4" hosing for electric wirings)

KUxx - 60 - 20



CE equipment for flapdown stabilizers (Monitoring of the load of the lifting movement, monitoring of the position of the lifting boom and the stabilizers. Includes 2 x LED warning lights)

KU04 - 75 - 20



Rotator link with swing damper (314-305T)

KUxx - 90 - 20



Rotator link with double brake (314-305T)

KUxx - 90 - 21

Rotator link with double brake (Indexator) (314-305T)

KUxx - 90 - 22



Rotator, CR 500 (for the Finnrotor rotator link) (314-305T)

KUxx - 100 - 40





KESLA 300-SERIES CONFIGURATION

Rotator, GV-6
(for the Indexator rotator
link)
(314-305T)

KUxx - 100 - 50



Grapple, KESLA proG 26,
0,24 m²

KUxx - 110 - 40



Grapple, KESLA proG 28,
0,27 m²

KUxx - 110 - 50



Grapple, KESLA proG
26E, 0,15 m² (example for
biomass)

KUxx - 110 - 41



A-frame stabilizers
(control valve with
8 functions must be chosen)
(314-305T)

KUxx - 130 - 20



Flapdown stabilizers (control
valve with 8 functions must
be chosen)

KUxx - 130 - 30



Flapdown stabilizers with
cylinder shields
(control valve with 8
functions must be chosen)

KUxx - 130 - 31



KESLA 300-SERIES CONFIGURATION

Working light set STANDARD
LED on the second boom

KUxx - 140 - 20



Working light set PREMIUM
LED on the second boom

KUxx - 140 - 30



Radio controlled winch
1400 kg (40 m/ 6 mm)

KUxx - 150 - 20

Radio controlled winch
2200 kg (35 m/8 mm)

KUxx - 150 - 30



Mounted to the lifting boom
(incl. wire, hoses, remote
control, batteries)

Winch power is taken from
the crane's control valve
(electric switch for any
electric valve, mechanical
faucet for Walvoil SD8)

KUxx - 160 - 20

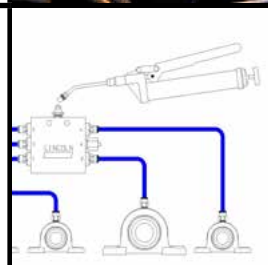
Winch power is taken from
a tractor's rear hydraulic
output (longer hoses)

KUxx - 160 - 30



Centralized lubrication sys-
tem for the KESLA crane
(the 4 upper greasing points)

KUxx - 170 - 20



KESLA special painting,

KUxx - 180 - 20

KESLA special painting,
metallic colours and varnish.





KUxx - 180 - 30



Lifting and stick
booms are painted to RAL
-colour of your choice.
(The RAL code need to be
mentioned to the order!)





KESLA 300-SERIES CONFIGURATION

3-point hitch adapter for the Flapdown stabilizers	KUxx - 200 - 20	
Loader installation position: Flange installation (Mounting kits, fixed installations etc.)	KUxx - 205 - 10	
Loader installed on top of the stabilizers (installed on the tractor's 3-point hitch)	KUxx - 205 - 20	
Loader installed on top of the stabilizers (installed on top of the KESLA trailer's frame)	KUxx - 205 - 30	

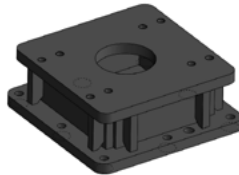
Crane installed on top of the chipper's stabilizers	KUxx - 205 - 40	
Extra plate for stabilizers - Flapdown and A-frame stabilizers (a pair)	29016201	



KESLA 300-SERIES CONFIGURATION

314/T adapter for lifting up the mounting point of the crane +150mm.
(needed when 314/T is ordered with Flapdown stabilizers for top of KESLA 144 trailer's frame)

29019100



Gravel clamshell bucket for the KESLA proG26 grapple (230 litres)

29017152



Gravel buckets with straight walls for the KESLA proG26 grapple (315 litres)

29018479



Manure / forage grab for the KESLA proG26 grapple

29017162



Bale claws for the KESLA proG26 grapple

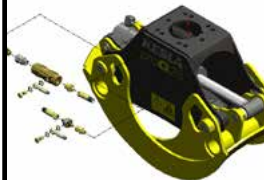
29017146



Load hold valve for the KESLA proG26 grapples

90028074

(Safety equipment, which keeps the grapple better in user's control in case of a hose breakage)



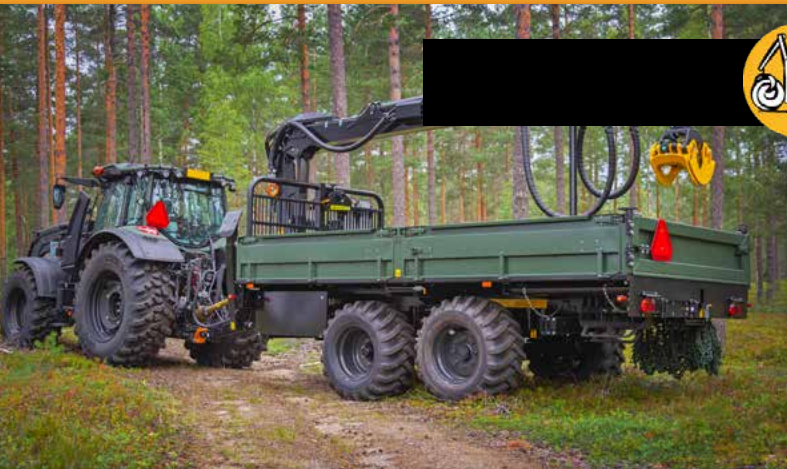


KESLA 320-SERIES LOADERS





KESLA 320-SERIES LOADERS



Long outreach

The biggest models have outreach of 8,8-9,1m. Also harvester extension available as an option.

Most versatile grapple options

The best grapple range on the market. For traditional wood loading or equipped with accessories for sand loading: KESLA ProG 26. For the handling of biomass wood: KESLA ProG 26E. For logging: ProG 28 or KESLA 19GX.



Quality for grapple control

Good grapple control makes the operation professional. Available with a link with or without brake. Rotator options available from both the Indexator and Finnrotor.

Strong slewing device

Oil-lubricated, cast 4-cylinder slewing device with a rotation range of 380 degrees. The slew force of the loader's slewing device is a staggering 21.5 kNm.

Good serviceability

The service process of the 320 series loaders is straightforward. Hydraulic filtration is at the base of the slew cylinders and the slewing device has sight glasses. Oil change is easy, lubrication possibilities are comprehensive as standard and hydraulic hose sectioning is in accordance with the wishes of professional users. Centralised lubrication is available as an accessory.

Excellent loading features

Short first boom, hosing inside the boom, renewed lifting geometry and lowest efficiency need make the 320 series an excellent choice for thinnings, agriculture or suburban contracting.

Efficiency with lower pressure

E.g. the 326T is a pretty sturdy loader in its six class and lifting torque of 84 kNm certainly talks for itself. Efficiency it produced with the lowest pressure need on the market: 190 bar.



KESLA 320-SERIES LOADERS

Long lasting bearings

High-quality, long-lasting bearings with very low friction coefficients. Due to the low friction coefficients, fuel savings can also be achieved. The axles are made of quenched and tempered steel, which provides them with good sliding properties, corrosion resistance and a hard surface.

Powerful lights

Fully redesigned and more powerful LED lights. The new lights have been placed under the booms' folding joint and on top of the outer boom.

Hydraulic hoses hidden

The booms of the KESLA 320-series loaders are of new design and the hydraulic hoses are positioned inside the boom.

Winch equipment to make the most of the crane

The 326T can also be equipped with a winch. The winch is attached to the familiar location on the side of the lift boom and it is available with a pull power of up to 2,200 kg. The cable length is a whopping 30 m. Radio control.

Booms

The booms are made out of high-quality SSAB STRENGTH™ steel.

New operating valve location

The operating valve housing is located on the left side of the lift boom. The way hydraulics have been ran to the housing has been renewed and the installation of the crane has been observed in the housing. The openable cover and design following the lines of the booms allow for easy servicing.



KESLA 320-SERIES LOADERS

325T & 326T

Technical data

KESLA	325T	326T
Outreach (m)	8,8	9,10
Boom extender (m)	2 x 1,68	2 x 1,78
Gross lifting torque (kNm)	78	84
Lifting capacity at 4 m* (kg)	1 335	1 450
Lifting capacity at maximum reach* (kg)	560	575
Slewing torque (kNm)	21,5	21,5
Slewing angle (o)	380	380
Grapple	proG26	proG26
Area (m2)	0,24	0,24
Largest opening (cm)	132	132
Jaw width of the grip, max (mm)	377	377
Rotator (Nm/angle)	Indexator GV-6 / Finnrotor CR600W	Indexator GV-6 / Finnrotor CR600W
Operating pressure (bar)	190	190
Recommended oil flow, LS** (l/min)	130	130
Weight*** (kg)	1 265	1480

* Lifting capacity without grapple and rotator. The loader's lifting capacity depends on the lifting height position and outreach of the booms.

** The recommended oil flow depends on the selected valve.

***The weight of the booms.

Lifting capacity

KESLA	3 m	4 m	5 m	6 m	7 m	8 m	max m
325T	1 855 kg	1 335 kg	1 090 kg	920 kg	775 kg	670 kg	560 kg
326T	1 975 kg	1 450 kg	1 160 kg	985 kg	820 kg	715 kg	575 kg

**Recommended trailer:
KESLA 124 >>>**

**Recommended trailer:
KESLA 144 >>>**

**Loaders' dimension
information >>>**



KESLA 320-SERIES LOADERS - CONFIGURATION

Parker L90LS /6,
electric control valve,
KESLA proC with minijoystics
(valve package on the lifting
boom) (not incl. control for
stabilizers)

KUxx - 20 - 41



Parker L90LS /6+2,
electric control valve,
KESLA proC with minijoystics
(valve package on the lifting
boom)

KUxx - 20 - 43



Parker L90LS /6,
electric control valve,
KESLA proC i with
minijoystics (valve package
on the lifting boom)

KUxx - 20 - 71



Parker L90LS /6+2,
electric control valve,
KESLA proC i
with minijoystics
(valve package on the lifting
boom)

KUxx - 20 - 72



Parker L90LS /6,
electric control valve WITH
HARVESTER RESERVATION,
KESLA proC and minijoystics
(valve package on the lifting
boom) (not incl. additional
hydraulic piping)

KUxx - 20 - 44





KESLA 320-SERIES LOADERS - CONFIGURATION

Parker L90LS /6,
electric control valve WITH
HARVESTER RESERVATION,
KESLA proC i and minijoys-
tics (valve package on the
lifting boom) (not incl. addi-
tional hydraulic piping)

KUxx - 20 - 73



Parker LS90/6,
electric control valve.

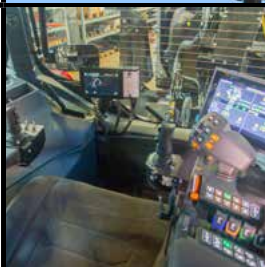
KUxx - 20 - 46



For chipper use. Without
electrics and joysticks. (Valve
package on the lifting boom)

Parker LS90/ 6+2,
electric control valve.

KUxx - 20 - 47



For Chipper use. Without
electrics and joysticks. (Valve
package on the lifting boom
and with stabilizers.)

Power supply for proC i
control system

from tractor's battery

KUxx - 55 - 10

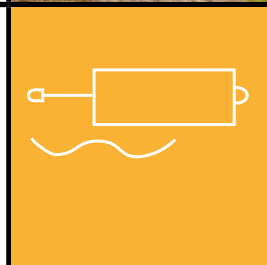
from ISOBUS-connection

KUxx - 55 - 20



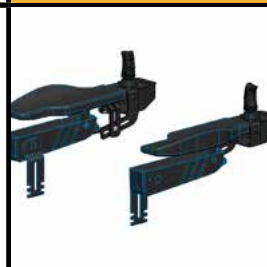
Floating for lifting and
slewing cylinders
(installed to valve package)

KUxx - 55 - 20



Armrests for
KESLA proC minijoysticks



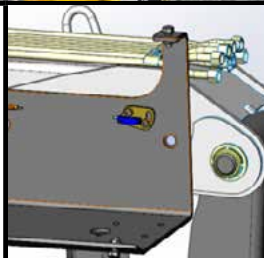
KUxx - 50 - 30









KESLA 320-SERIES LOADERS - CONFIGURATION




Armrests for KESLA proC minijosticks (Valtra Arm fittings on the right)	KUxx - 50 - 40	
Armrests for KESLA proC i -minijosticks	KUxx - 50 - 70	
Armrests for KESLA proC i -minijosticks (Valtra Arm fitting on the right)	KUxx - 50 - 71	
Armrests for KESLA proC i -minijosticks	KUxx - 50 - 80	
Armrests for KESLA proC i -minijosticks (Valtra Arm fitting on the right)	KUxx - 50 - 81	

Additional hydraulic piping for the crane's boom (incl. hydraulic hoses and electric wires from the lifting boom to the extender's head; 3 x hydraulic hoses (2x 3/4" ja 1x 1/2") and 1x 3/4" hosing for electric wirings; 4 x 1,5 / 2 x 0,5)	KUxx - 60 - 20	
Boom extension for harves- ter and energy head use (only with indexator link)	KUxx - 65 - 20	
CE equipment for Flapdown stabilizers (Load monitoring for lifting movement, Position monitoring for lifting boom and stabilizers. Incl. 2 x LED warning beacon lights for stabilizers)	KUxx - 75 - 20	



KESLA 320-SERIES LOADERS - CONFIGURATION

Rotator link, KesLINK (for CR600)	KUxx - 90 - 12	
Rotator link with single brake (Indexator)	KUxx - 90 - 23	
Rotator link with double brake (Indexator)	KUxx - 90 - 22	
Rotator, CR 600 (for Keslink)	KUxx - 100 - 41	

Rotator, GV-6 (for Indexator rotator link)	KUxx - 100 - 50	
Grapple, KESLA proG 26, 0,24 m ²	KUxx - 110 - 40	
Grapple, KESLA proG 28, 0,27 m ²	KU08 - 110 - 50	



KESLA 320-SERIES LOADERS - CONFIGURATION

Grapple, KESLA proG 26E,
0,15 m² (example biomass)

KUxx - 110 - 41



Quick hitch
(Between grapple and
rotator. Includes 1 fastener
for rotator and 2 fasteners for
grapples.)

KUxx - 120 - 30



Flapdown stabilizers
(control valve with 8
functions must be choosen)

KUxx - 130 - 30



Flapdown stabilizers with
cylinder shields
(control valve with 8
functions must be choosen)

KUxx - 130 - 31

Working light set standard
(LED mounted on outer
boom) NEW!

KUxx - 140 - 20



Working light set premium
(LED mounted on outer
boom) NEW!

KUxx - 140 - 30

Radio controlled winch
1400kg, on the lifting boom
(incl. wire 40m/6mm, hoses,
remote control, batteries)

KUxx - 150 - 20



Radio controlled winch
2200kg, on the lifting boom
(incl. wire 35m/8mm, hoses,
remote control, batteries)

KUxx - 150 - 30

Winch power taken from the
crane's control valve

KUxx - 160 - 20

Winch power taken from
a tractor's rear hydraulic
output (longer hoses)

KUxx - 160 - 30

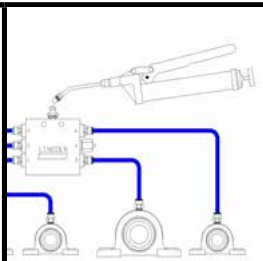




KESLA 320-SERIES LOADERS - CONFIGURATION

Centralized lubrication system for KESLA crane (the upper 4 greasing points)

KUxx - 170 - 20



Standard KESLA painting, black.

KUxx - 180 - 10



KESLA special painting, the RAL-code has to be mentioned in the order.

KUxx - 180 - 20

KESLA special painting, metallic colours and varnish, the RAL-code has to be mentioned to the order.

KUxx - 180 - 30



Crane installation:

Flange installation (Mounting kits, fixed installations etc.)

KUxx - 205 - 10



Crane installation:

On top of stabilizers and whole crane installed on top of trailer's frame

KUxx - 205 - 30

On top of stabilizers and whole crane installed on top of trailer's frame proC i

KUxx - 205 - 70



Crane installation:

On top of the chipper's stabilizers

KUxx - 205 - 40





KESLA 320-SERIES LOADERS - CONFIGURATION

Gravel clamshell bucket for the KESLA proG26 grapple (230 Litres) (pair)

29017152



Gravel buckets with straight walls for the KESLA proG26 grapple (315 litres)

29018479



Manure / forage grab for the KESLA proG26 grapple

29017162



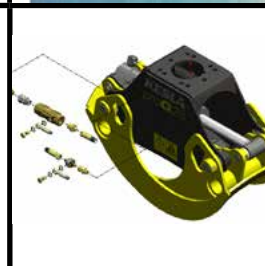
Bale claws for the KESLA proG26 grapple

29017146



Lock valve for the KESLA proG20 - proG26 grapples

90028074



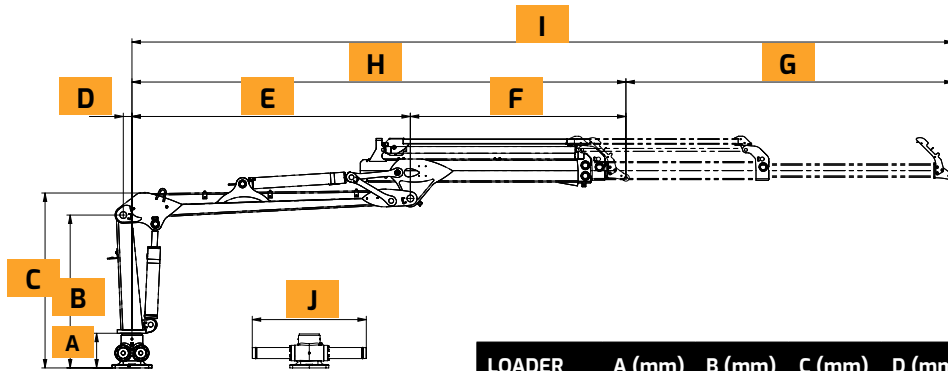
Extra plate for stabilizers (pair)

29016201





LOADERS - DIMENSIONS

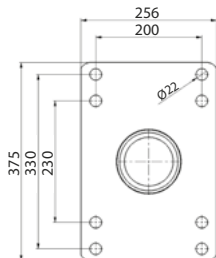


LOADER	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)
202T	320	1324	1434	35	2950	2000	1200	4950	6150	1150
203T	330	1375	1510	100	3000	2250	1400	5250	6650	1250
204T	330	1375	1510	100	2900	2200	1650	5155	6800	1250
314	334	1454	1625	90	3050	2240	1800	5288	7090	1156
314T	334	1454	1625	90	3050	2259	3400	5306	8709	1156
305	356	1590	1808	90	2900	2200	1800	5100	6900	1186
305T	356	1590	1808	90	2900	2200	3400	5100	8500	1186
325T	365	1 648	1 908	100	3 341	2 099	3 360	5 440	8 800	1 312
326T	365	1648	1908	100	3341	2199	3560	5540	9100	1312

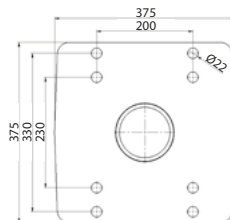


LOADERS - ATTACHING AND STABILIZERS

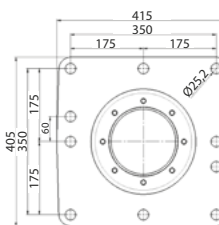
200-series



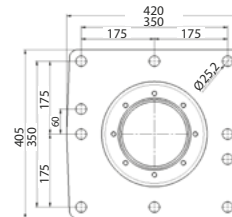
314/T



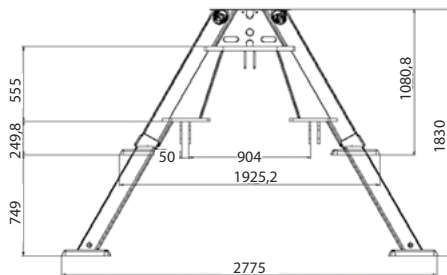
305-305T



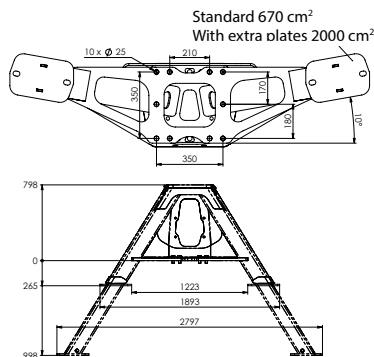
325T-326T



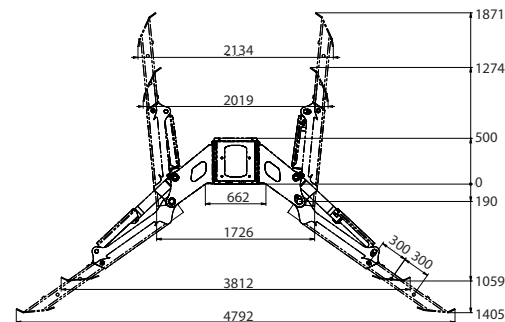
**200-series A-stabilizers
#KUxx-130-20**



**300-series A-stabilizers
#KUxx-130-20**



**300/320-series Flapdown-stabilizers
#KUxx-130-30/31**





CONTROL VALVES

Hydraulic pilot controlled Walvoil SD8 valve

The hydraulic pilot control enables hydraulic main functions, such as hydraulic lifting and stick boom, rotator and slewing control. The grapple, boom extension and stabilizer leg control are electro-hydraulic. The solution generates excellent crane ergonomics and light, precise control. The loader can be connected to or disconnected from the tractor quickly and easily.

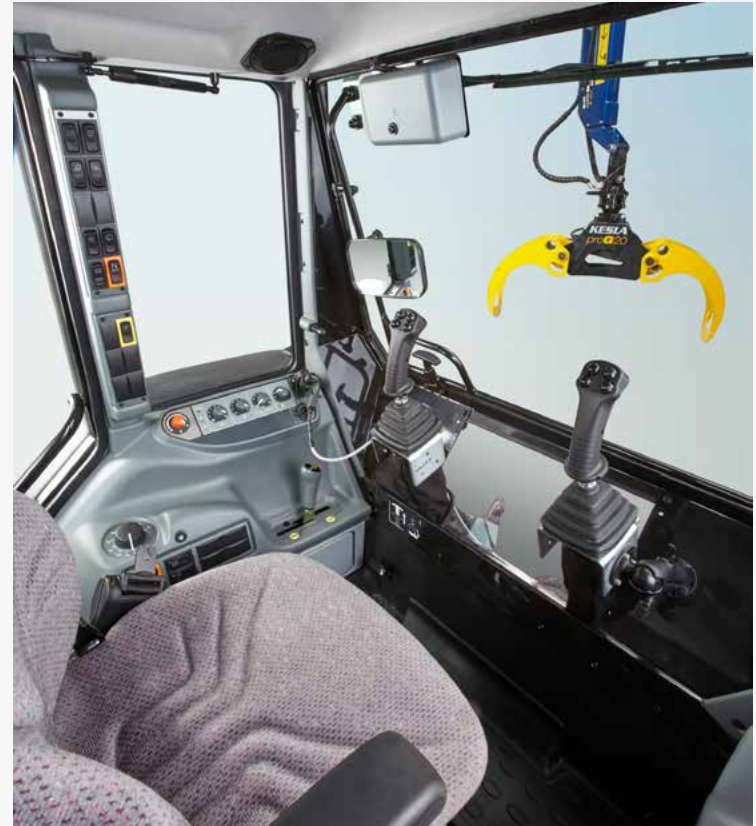
- Light, precise and ergonomic control.
- No need to lift a heavy control valve block when connecting or disconnecting.
- Only light control joysticks in the tractor cabin.
- The control valve block is well-protected and located on the loader's A-frame stabilizer leg.
- Max. flow rate 75 l/min.
- 8-spools, incl. pressure filter.
- When installed without stabilizer legs, two of the spools in the valve block remain free for other functions.



DESCRIPTION

CODE

Walvoil SD-8 servohydraulic control valve	KUxx - 20 - 20
Walvoil SD-8 servohydraulic control valve (JAKE compatible, shorter servohydraulic hoses) (314-305T)	KUxx - 20 - 21





CONTROL VALVES

Walvoil DPX 100 electric pilot control valve

The Walvoil electric pilot controlled valve is available as an accessory for all KESLA-loaders. The benefits of electric pilot control include:

- 6 proportional valves (proportional control also for grapple and extender)
2 on/off valves for stabilizers.
- Light and ergonomic control.
- No need to lift a heavy control valve unit when connecting/disconnecting.
- Only two electric joysticks in the tractor cabin. Frameco armrests for tractor seat available as option.
- The control valve unit is well-protected and located in the loader's main boom.
- Smooth, precise control. The speed of motion can be adjusted for all functions.
- Rocker switches are used to control the grapple and the extender, and the stabilizer legs are controlled with electric push buttons.
- 8-spools, incl. pressure filter.

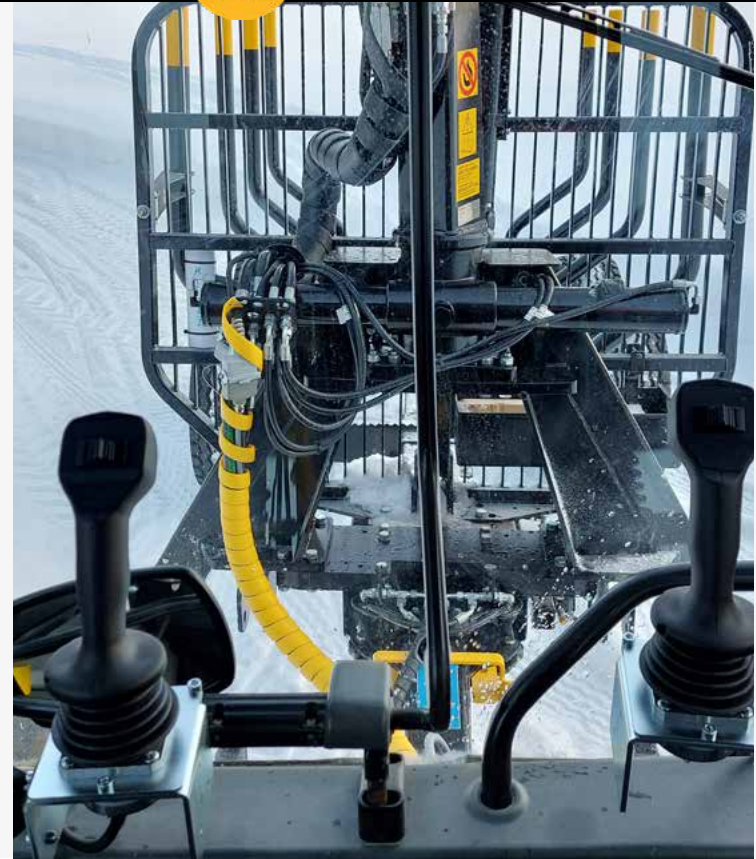


DESCRIPTION

CODE

Walvoil DPX 100 /6+2, electric control valve
(valve package on the lifting boom)

KUxx - 20 - 31





CONTROL VALVES

Parker Iqan electric pilot controlled valve

Parker electric pilot control system is always delivered with KESLA proC -control system, which is equipped with Mini joysticks. Parker electric pilot control is available as an accessory for KESLA-loaders 314–326T.

The benefits of electric pilot controlled system are:

- 6 proportional valves (proportional control also for the grapple and the extender)
- No need to lift a heavy control valve unit when connecting or disconnecting. There are only two electric joysticks in the tractor cabin.
- The control valve block is well-protected and located on the loader's main boom.
- Smooth and precise control. The speed of motion can be adjusted for all functions.
- Rocker switches are used to control the grapple and the extender and the stabilizer legs are controlled with the electric push buttons.
- When the crane is chosen with stabilizer legs, the control valve with 8-spools need to be chosen. Stabilizer controls are used with the KESLA crane's joysticks via replacing the valve.
- NOTE! Tractor must have LS-hydraulic system.

DESCRIPTION	CODE
Parker L90LS /6, electric control valve, KESLA proC with mini-joysticks (valve package mounted on the lifting boom)	KUxx - 20 - 41
Parker L90LS /6+2, electric control valve, KESLA proC with minijoysticks (valve package mounted on the lifting boom and select this when stabilizers are chosen)	KUxx - 20 - 43





CONTROL VALVES

KESLA proC control system for the Walvoil DPX pilot control valve

The brand new KESLA proC control system is suitable for both loader and crane control as a pair of electric control valve. Any electric control valve controlled by a current, such as Parker or Walvoil, is compatible. The new control system is very pleasant to use: movement speeds are individually adjustable and their response times are quick. Individual settings for several people can be saved into the system. Reformed joystick has an ergonomic desing and the system itself has several features that simplify the use. The KESLA proC system comes with ready-made factory settings which can be restored later on. Movement speed of the crane can be adjusted to best meet the user's needs.

Joysticks are analogic joysticks which can be calibrated. Adjustments can be fine-tuned not only to sensibility but also to the turning direction of the rotator. Individual operator-specific settings can be saved for five operators with name. Control of the grapple and extension can easily be changed from one joystick to another. In case of a joystick breakage, the crane can be controlled with the screen.

General adjustment of the crane speed can be done easily, with one push of the button.

Feeding voltage can be whether 12 or 24 V. The system comes with a set of wire harnesses as a very compact package, which includes everything that is needed.

There are thousands of users around the World.

Users appreciate: convenient mini-levered joysticks – clear display – the widest armrest range on the market – warranty covers integration to the new Valta armrest – operating system interface in clear English – makes working with the crane easy, quick and precise – convenient functions: slowing down the crane speed as needed, greasing reminder, operating hour counter, task-specific settings – supports KESLA proTRACTION nave drive or harvester operation.



With the joystick, there are places for three switches and cover of the joystick. The position of the joystick can be adjusted ergonomically according to the needs of each operator.

KESLA proC



Includes: versatile KESLA proC-control system, screen in the tractor cabin attached with suction cups, new superergonomic mini joysticks, wire harness, 2 x power feed and switch e.g. for working lights. Compatible with KESLA electric prepilot.

DESCRIPTION

CODE

Walvo Walvoil DPX 100 /6+2, electric control valve, KESLA proC (valve package mounted on the lifting boom)	KUxx - 20 - 33
Parker L90LS/6, electric control valve, KESLA proC with mini joystics (valve package mounted on the lifting boom)	KUxx - 20 - 41
Parker L90LS/6+2, electric control valve, KESLA proC with minijoystics (select this when stabilizers are chosen)	KUxx - 20 - 43



CONTROL VALVES

KESLA proC i

NEW!

KESLA proC i is a crane control system designed by Kesla for premium users. In addition to traditional crane control functions, the proC i system includes several new features that provide excellent ergonomics and easy operation.

- Intelligent loader control allows the operator to control the grapple without the need to concentrate on individual cylinder functions.
- The cylinders' electronic end-damping function enables smooth loading and reduces unnecessary wear of the crane and the chassis.
- The control system includes a large and easy-to-use 5" touch screen with navigation buttons.
- The all-new electrical architecture for valve and system power control provide unprecedented performance.
- Crane and operating system power supply from an ISOBUS terminal is available as an option.
- Live adjustment mode allows the crane to be adjusted even during loading.
- The crane's stand-by control allows run modes to be changed directly from the arm-rest – maximising the driver's efficiency.
- By far the most ergonomic armrests and joystick bottom designs on the market.
- Kesla's tried and tested manufacturer's support is available globally for productive and ergonomic control.



DESCRIPTION

CODE

Parker L90LS /6, electric control valve, KESLA proCi with minijoysticks (valve package on the lifting boom)	KUxx - 20 - 71
Parker L90LS /6+2, electric control valve, KESLA proCi with minijoysticks (valve package on the lifting boom)	KUxx - 20 - 72



CONTROL VALVES

Control valve options with harvester head use reservation (314/T, 305/T, 325T, 326T)

We now have a pleasure to introduce a new control valve options for KESLA 314/T, 305/T, 325T, 326T cranes. Control valve with harvester reservation is an original KESLA factory option, where-by you can match a light category harvester head's control by use same control valve, where you use your KESLA crane. This valve option includes the control valve package, which is designed perfectly for harvester head use. You can choose between Walvoil or Parker electric pilot control valves with KESLA proC and Combi Caldaro mini joysticks.

DESCRIPTION	CODE
Walvoil DPX 100 /6+2, electric control valve WITH HARVESTER RESERVATION, KESLA proC and minijoysticks (valve package on the lifting boom) (not incl. additional hydraulic piping) (only 314-305T)	KUxx - 20 - 34
Parker L90LS/6, electric control valve WITH HARVESTER RESERVATION, KESLA proC and Combi Caldaro minijoysticks (valve package mounted on the lifting boom)	KUxx - 20 - 44
Parker L90LS/6+2, electric control valve WITH HARVESTER RESERVATION, KESLA proC and Combi Caldaro minijoysticks (valve package mounted on the lifting boom)	KUxx - 20 - 45

NOTE! If you use your KESLA crane for harvester head use, remember to order; "Additional hydraulic piping for the crane's boom #KUxx-60-20". Incl. hydraulic lines and wiring harnesses for harvester head use. Includes hydraulic hoses and electric wires from the lifting boom to the stick booms' end; 3 x hydraulic hosings (2x ¾" and 1x ½") and 1x ¾" hosing for electric wirings). Additional piping for the crane's boom is installed at the Kesla production line in Kesälahti, Finland, while the KESLA 314-326T loaders are being assembled.

Additional piping for the 314/T, 305/T, 325T, 326T crane's booms

Additional hydraulic piping for the crane's boom.
incl. hydraulic hoses and electric wires from the lifting boom to the stick booms' end; 3 x hydraulic hosings (2x ¾" and 1x ½") and 1x ¾" hosing for electric wirings)

KUxx - 60 - 20





HARVESTER HEADS

Watch a
video





HARVESTER HEADS

	14RH	16RH
Weight starting from	350 kg	445 kg
Max opening of feed rollers	300 mm	350 mm
Front knives max opening	300 mm	480 mm
Rear knives max opening	380 mm	500 mm
Max sawing diameter	380 mm	450 mm
Delimbing diameter (tip-to-tip)	250 mm	330 mm
Optimal wood diameter under	200 mm	250 mm
Feeding force (23 Mpa)	12 kN (250 cc motors)	15 kN (315 cc motors)
Feeding speed (150 l/min)	4,5 m/s (250 cc motors)	4,5 m/s (250 cc motors)
Knives (pcs)	1+3	1+4
Feeding (rollers)	2	2
SAW:		
Chain	0,404"	0,404"
Max lenght of saw bar	48"	54"
Volume of the chain oil container	3,5 l	3,5 l
HYDRAULICS:		
Required flow	120-150 l/min	135-170 l/min
Required pressure	19-23 Mpa	19-23 Mpa





KESLA 40LFE -STROKE DELIMBER

Watch
a video





KESLA 40LFE -STROKE DELIMBER

Chain oil reservoir

Chain oil reservoir's plocation and position are convinient for refilling the oil. Capacity of reservoir is approx. 2 litres. The reservoir also has an automatic chain oil faucet.

Sawbar

The sawbar's size is 16". The chain type is 404". Cutting speed of the chain is up to 38 m/s (hydr. flow 50 l/ min/ 175 bar operation pressure).

Grapple jaws 2 pcs

By the grapple jaws a tree trunk is held and fed through the delimbing knives to the wanted cutting length.

Hydraulic chainsaw

The tree trunk is crosscut by the chainsaw at the desired length. The chainsaw is operated via electric joystick.

Stroke length adjustment

Stroke length can be easily adjusted to 1000 mm, 1220 mm or 1250 mm.

Delimbing table

The open structure of delimbing table assures safe falling of branches on the ground. The transport locking mechanism prevents delimbing table from turning in the transport

Delimbing knives: 4 pcs

Curved delimbing knives fit firmly against a tree trunk and assure high-quality delimbing of branches. Maximum delimbing diameter is approx. 350 mm.

Swing arm

The swing arm allows the stroke delimber's vertical movement, which makes the handling of tree trunks easier.

Slewing angle 260°

A wide slewing angle allows to work on both sides of the forest road.

Mounting possibilities

The stroke delimber can be mounted onto the rear platform of a tractor by several ways. There are 2 different mounting parts in standard delivery package: for tractor's 3-point linkage system and for the KESLA 200 series crane. More mounting parts are available as an option.

Stabilizer legs

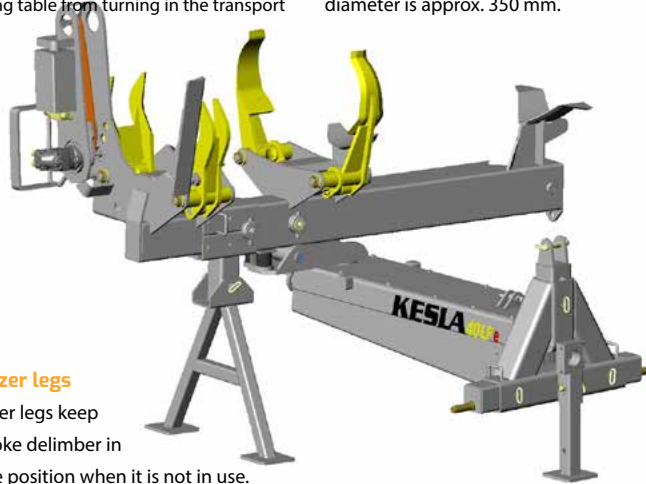
Stabilizer legs keep the stroke delimber in a stable position when it is not in use.

Durable frame

Stong frame is an important base for a stroke delimber. Control valve is installed inside of the frame.

User-friendly control

All movements of 40LFe are operated by using one electrical joystick. By moving the joystick forwards, backwards and sideways you can control the grapple jaws and the stroke functions. The rocker buttons of the joystick control the delimbing knives and slewing of the stoke delimber. Push button of joystick's rear side (trigger) controls stroke delimber's hydraulic chainsaw.



KESLA 40LFE

Delimbing diameter	350 mm
Cutting diameter	400 mm
Feed cylinder stroke	1000/1250 mm
Delimbing power, pressure: 210 bar	
Cylinder diameter 40 mm	25,8 kN
Cylinder diameter 50 mm	40,8 kN
Delimbing speed, cylinder out (50 l/min)	
Cylinder diameter 40 mm	0,66 m/s
Cylinder diameter 50 mm	0,44 m/s
Delimbing speed, cylinder in (50 l/min)	
Cylinder diameter 40 mm	1,20 m/s
Cylinder diameter 50 mm	0,80 m/s
Slewing angle	260 °
Slewing torque	1100-2200 Nm
Hydraulic saw	
Saw chain	404 "
Saw plate length	16 "
Feed speed (50 l/min)	38 m/s
Power, pressure 175 bar (50 l/ min)	12 kW
Weight	540 kg
Pump recommendations	
Output	50-60 l/min
Operating pressure	175-210 bar
Power requirement	16-18 kW

Watch a video >>>



KESLA 40LFE -STROKE DELIMBER

The KESLA 40LFe stroke delimber combined with a KESLA loader is an efficient and reliable tool for delimbing, cutting and stacking timber. SKESLA 40 LF/e can be installed on the A-stabilizer leg of KESLA 200-series loaders, KESLA-forest trailers, or on the 3-point hitch of a tractor. The control valve of the 40 LFe is integrated into the stroke delimber frame and the controls can be handled from the tractor cabin using a single electric joystick. This simplifies the installation and significantly improves work ergonomics.

DESCRIPTION	CODE
40LFe stroke delimber - delimbing diameter 350 mm, cutting diameter 400 mm, feed cylinder stroke 1250 mm	SP01 - 10 - 10
Stroke cylinder diameter 40 mm, standard	SP01 - 20 - 10
Stroke cylinder diameter 50 mm	SP01 - 20 - 20
Swing arm, standard	SP01 - 30 - 10
Swing arm, high (+65 mm higher than standard)	SP01 - 30 - 20
Priority valve set 314/T (for RS218/SDS100 control valves)	SP01 - 40 - 20
Priority valve set 314/T (for SD-8/DPX100/L90LS control valves)	SP01 - 40 - 30
Priority valve set 202T, 203T, 204T, 305/T (for RS218/SDS100 control valves)	SP01 - 40 - 40
Priority valve set 202T, 203T, 204T, 305/T (for SD-8/DPX100/L90LS control valves)	SP01 - 40 - 50
Mounting parts for KESLA 200 series crane (A-frame stabilizers)	SP01 - 50 - 20
Mounting parts for KESLA 104/114HD forest trailer (200 x 200 mm frame)	SP01 - 50 - 30
Mounting parts for KESLA 124/144 forest trailer (200 x 200 mm frame)	SP01 - 50 - 40
INSTALLATION AT THE FACTORY	
Installation for crane's stabilizers (when KESLA crane is ordered as well)	SP01 - 60 - 20
Installation for forest trailer (when KESLA crane is ordered as well)	SP01 - 60 - 30



KESLA 19GX -MULTIPURPOSE GRAPPLE

Watch
a video





KESLA 19GX -MULTIPURPOSE GRAPPLE

Installation video >>>

In action video >>>

The KESLA 19GX felling head is designed for felling and loading energy wood. Its clear and simple structure and operating principle make it extremely dependable. The felling head is easy to install, no additional hoses or wirings are required. The grapple has an ingenious integrated TILT feature which gives the operator full control of felling. The TILT-function is controlled by simultaneously activating rotator and grapple open/close functions. The felling head's blade is easy to fold away, after which the head can be used for loading just like a normal grapple. **KESLA 19GX is suitable for use with the KESLA 200-300 series loaders**

MULTIPURPOSE GRAPPLE, KESLA 19GX	29010171
Adapter between FR7 rotator (49,5 mm rotator axle) KESLA 19GX - incl. in the price of 19GX	29012978
Adapter between FR10 rotator (60 mm rotator axle) KESLA 19GX - incl. in the price of 19GX	29014083
Adapter FR15 rotator (70 mm rotator axle) incl. in the price of 19GX	29014478

KESLA	19 GX
Max. cutting diameter	180 mm
Grip opening	770 mm
Max pressure	190 Mbar
Recommended oil flow	40-60 l/min





FOREST TRAILERS



The KESLA forest trailers are suited for transporting timber, stumps, tree trunks and logs. With the optional biomass box (accessory) the trailer can be used for transporting soil, firewood, brushwood or even bales and other materials.

Strong single beam frame

Strong and torque-resistant single beam frame (200 x 200 mm) is sturdy, but still lightweight and gives more payload for work. Easy to load and unload. With a single-beam frame system it is easy to change the loadspace's length.

Versatile drive options

KESLA forest trailers can be equipped with hydraulic roll or nave drive: HD (Robson) or ND 2WD/4WD.

Wide range of wheels

Narrow and wide wheel sets are available for the KESLA forest trailers. All tyres come with inner tube and strengthened forest wheels and protected valves.

Versatile brake opportunities

Depending on the model, the trailers can be equipped with drum brakes or hydraulic disc brakes for 2 or 4 wheels. Pneumatic converter brakes as well as parking brake system are also available for most trailer models (104-144).

Front screen and supports

When a loader is mounted on tractor's rear platform, the front screen can be moved to the loader's mounting place. This feature helps to support the front screen and prevents the nearest stakes from spinning while loading.



FOREST TRAILERS

Practical loadspace

KESLA forest trailers can be equipped with normal post banks, welded banks, and, for example, with bioenergy plates.

Drawbar

Turnable drawbar powered by two cylinders. It is possible to lock the drawbar on its middle position when driving on public roads. New, stronger lock for the drawbar. Several drawbar eyelet options available.

Sturdier bunks and stakes

The bunks are equipped with serrated tops, which allows to keep slippery logs on trailers' loadspace, while driving. The stakes have been redesigned. KESLA 144 is now available with new welded log bunks for professional use. Anti-rotation plug in the bottom of a stake prevents it from spinning and moving out of its place.





FOREST TRAILERS - DRIVE OPTIONS

H - Option for adding a roller drive later on

The H-versions have an option for adding an HD-drive later on. The trailer has heavier built bogies than the basic trailers. HD-drive kit provides a good counterbalance for a heavy-duty loader on the drawbar of the trailer.



HD - Roller drive for occasional traction use

The HD versions are equipped with a hydraulic roller drive. Thanks to the drive, they are suitable even for challenging conditions, such as unstable ground and heavy snow. Connecting the HD-trailer drive requires a double-acting hydraulic block (a so-called motor spool) with a “floating” function from the tractor. Alternatively, the trailer drive can be controlled with an electric drive control valve. When the hydraulics power is switched on, the drive rollers start turning and the rollers are pressed against the tyres; the drive is engaged. When the hydraulics is set to float, the rollers are lifted off of the tyres and the rollers will stop.

NOTE: Hydraulic roller drive is designed for temporary measure as traction assist in difficult terrain, not for long-term continuous driving.

The HD-trailers are not compatible with tracks or snow chains.





FOREST TRAILERS - DRIVE OPTIONS

ND - For high drive demand

The ND-versions are equipped with wheel motors. In model 2WD, the wheel motors are located on the rearmost axle. In model 4WD, all four wheels are equipped with motors.

Connecting the drive on a ND-trailer requires a double-acting hydraulic block (a so-called motor spool) with a “floating” function from the tractor. Alternatively, the trailer drive can be controlled with an electric drive control valve. Tracks or chains (if available) can be used to minimize ground-impacts and improve traction on challenging terrain.

KESLA proTRACTION drive control for the ND trailer

KESLA proTRACTION drive control greatly improves the control of the hydraulic drive of the trailer, as the driver no longer needs to focus on adjusting the drive speed of the trailer to suit the tractor driving speed. This is done by automation instead.

Setting of the drive control as well as drawbar angle control is done from tractor cabin via the KESLA proC control system and loader joystick. Available for KESLA 144ND trailers.

Through the ISOBUS bus, the KESLA proTRACTION drive control system utilises the tractor's speed and direction information. Thus, the drive of the trailer performs the same speed and direction as the tractor in front of it. The trailer drive is switched on automatically when the tractor starts to move, and released and switched off automatically when the trailer's drive demand is reduced at higher driving speeds. When driving on public roads, the hydraulic nave drive of the trailer is in the “free rolling” position and does not resist towing the trailer and thus offers the possibility of fuel savings.



KESLA proTRACTION - maximum drive power

Working pressure 200 bar	max. 2,8 tn
Working pressure 250 bar	max. 3,9 tn

Watch a
video





FOREST TRAILERS - BRAKES

Drum brakes

The KESLA 104 and 114 forest trailers can be equipped with a 4-wheel drum brake system. If pneumatic brake system is needed, it is available as an option. Brake valve equipment is also available together with the brake system in case a tractor does not have it.

Disc brakes

There are 2- or 4- wheel disc brake systems are available for KESLA forest trailers. KESLA 124H/HD, 144HD/ND can be equipped with disc brakes. If pneumatic brake system is needed, it is available as an accessory. There is a brake valve option is available for all drum brake equipment with hydraulics.

Benefits of the disc brakes

Disk brakes are built to work in difficult working conditions. The structure of disk brakes is made simple to service and they have a so-called self-cleaning structure. Most common spare parts like a brake pads, are easily changable when needed. Key benefit of the disk brakes is their braking power. These brakes work even in very hot conditions, and they don't lose friction between brake discs and brake pads. The disk brake systems are installed under the rims, so it's protected towards bigger logs, stumps or rocks.

Parking brake

Parking brake option is available for 4- wheel disc brake system as an option (KESLA 124H/HD, 144HD/ND).

Brake valve

KESLA forest trailer can be ordered with a hydraulic brake valve (factory accessory) as an option. The brake valve is a good addition for KESLA forest trailer if there is no hydraulic brake valve in the tractor.





FOREST TRAILERS - EUROPEAN TYPE APPROVAL

MR 30 km/h – approval for driving on public roads

MR30 -type-approval is valid in Europe and some of Europe's neighboring countries who have committed to these rules. European Framework Regulation 167/2013 applies to tractors and to towed equipment, such as forest trailers. The machinery must have European "Mother Regulation" -approval 167/2013, in case said machinery will be used on public roads.

Falling under this category can include (not dependent on the carried load):

- **Driving on a public road with a tractor and towed equipment**
- **Crossing on a public road with a tractor and towed equipment**

MR 30 km/h -equipped KESLA trailers

When trailer is ordered according to the MR 30 km/h -specification, the trailer needs to be equipped with at least MR 30 km/h -marked equipment, which are:

- Required equipment for MR 30 km/h -approval are:
- 2-circuit, 4- compressed pneumatic brakes
- Approved tyres – maximum width 2 550 mm
- Standard compliant rear lights and reflectors
- Road traffic package MR 30 km/h (incl. reflectors and EU type approval 167/2013)

When ordering a type-approved trailer, please note that the maximum driving speed with the trailer on public roads is 30 km/h.

Always check your local legislation beforehand in case your country requires MR-approval for registering a trailer.





FOREST TRAILERS - KESLA 104 & 114





FOREST TRAILERS - KESLA 104 & 114

104 and 114: recommended loaders 202-204T

114: recommended loaders 314-305T

Trailer's dimension information >>>

KESLA	104	114H	114HD	114ND
Carrying capacity (tn)	10	10	10	10
Total length (mm)	5 602	6 076	6 076	6 076
Total width (mm)	2 213-2 469	2 275	2 275	2 275
Load space area (m²)	2,4	2,4	2,4	2,4
Load space length (mm)	3 485	3 794	3 794	3 794
Ground clearance (mm)	550-600	550-600	550-600	550-600
Crossbeam / stakes (std)	3/6	3/6	3/6	3/6
Weight incl. accessories (kg)	1 620	1 960	1 960	1 960
Hydraulic drawbar (°)	±33	+/-33	+/-33	+/-33
Wheel size	15.0/70x18 "400/60x15,5" 500/55x17"	500/55x17"	500/55x17"	500/55x17"
Plies	12-14	12-14	12-14	12-14
Drive power (tn)	-	-	0,8	1,1
Pressure (bar)	-	-	180	190
Max recommended oil flow (l/min)	-	-	45-100	65-100

NOTE! To get an MR30KMH approved trailer, at least "MR30KMH" marked equipment need to be ordered.



104 & 114 - CONFIGURATION

104/114 standard loadspace,
with welded bunks
(area 2,4 m²) NEW!

VAXx - 30 - 17



3 crossbeams (6 stakes)

VAXx - 40 - 10



4 crossbeams (8 stakes)

VAXx - 40 - 11



Front screen in std position
(incl. 2 pcs of short front
screen supports) (MR30KMH)

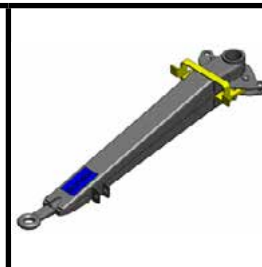
VAXx - 50 - 10

Front screen installed in
cranes's position
(incl. 2pcs of longer front
screen supports)
(load space lenght 4105 mm)

VAXx - 50 - 11

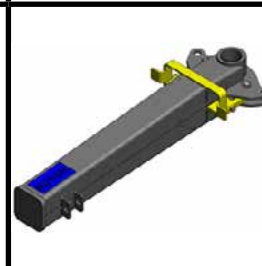
Drawbar "low" with
rotating eyelet
(MR30KMH)

VAXx - 60 - 10



Drawbar "straight" with
vertical flange
(without eyelet)
(MR30KMH)
(can be installed, for example,
with Scharmüller eyelet
options, order a Drawbar
adapter #29012582)

VAXx - 60 - 11

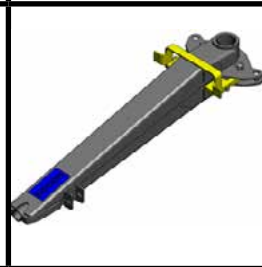


Drawbar "low" for towing fork,
low (without towing fork)

VA05 - 60 - 12

Drawbar "low" for towing fork,
low (without towing fork)
(only 104)

VA05 - 60 - 13





104 & 114 - CONFIGURATION

Wheels 400/60x15.5" TVS
IM72 / not selected tyre brand
(14 PR)
(strengthened rims and protected tire valves)
(MR30KMH)
(Only 104)

VA05 - 70 - 20



Wheels 500/55x17" Alliance
(12PR)
(strengthened rims and protected tire valves)
(MR30KMH)
(Only 114)

VA06 - 70 - 30



Wheels 500/55x17" Forestry
Alliance 328 (12PR)
(plug-protected tyres, strengthened rims and protected tire valves)
(MR30KMH)
(Only 114)

VA06 - 70 - 31



Wheels 15.0/70x18" AW
(16 PR)
(strengthened rims and protected tire valves)
(Only 104)

VA05 - 70 - 40

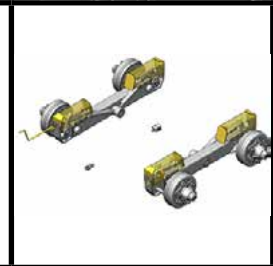


Wheels BKT 648
500/50X17/14PR/149A8



Hydraulic drum brakes
for 4 wheels

VAxx - 80 - 13

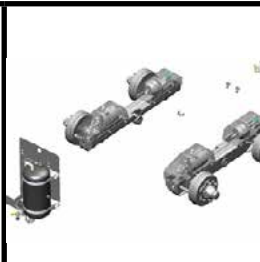




104 & 114 - CONFIGURATION

Pneumatic brakes for 4 wheels, with P-brake (only available with 15,5" Wheels #VA05-70-20) (MR30KMH)

VAXx - 80 - 15



Fixed Hydraulic Pump set for tractor's PTO-axle, Max. 70l/min. (For 200 series crane with A-frame stabilizers)

VAXx - 90 - 20



Hydraulic flow is taken to use of crane. Hydr.tank 60 l installed in front screen. Front screen in standard position.

Fixed Hydraulic Pump set for tractor's PTO-axle, Max. 70l/min, with Drive control valve. (For 200 series crane with A-frame stabilizers.) Hydr.tank 60 l installed in front screen. Front screen in std position. (only 114HD)

VA06 - 90 - 21



LS -Hydraulic Pump set installed inside of KESLA 300 series stabilizer's frame, MAX. 150l/min. Hydraulic flow are taken to use of the crane (max. 280bar) (hydr.tank 110L installed front-side of front screen)

VA06 - 90 - 41



LS -Hydraulic Pump set installed inside of KESLA 300 series crane's A-frame stabilizers, MAX. 150l/min, with Electric Drive Control.

VA06 - 90 - 44



LS -Hydraulic Pump set installed inside of KESLA 300 series crane's Flapdown stabilizers, MAX. 150l/min, with Electric Drive Control

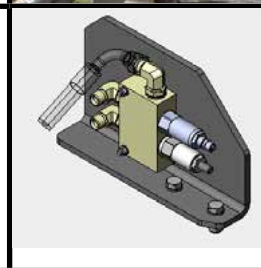
VA06 - 90 - 45

Brake Valve for KESLA forest trailer (when there is no hydraulic brake valve in the tractor)

29016473





Wide-angle pivot shaft (Comer V 62, 1210 mm, EN)





3302498





104 & 114 - CONFIGURATION

Electric Drive Control for controlling hydraulic drive of the trailer (installed for 200 serie A -stabilizer frame)	VA06	90	-	50		
	-					
Electric Drive Control for controlling hydraulic drive of the trailer (installed for 300 serie A -stabilizer frame) (not available with any hydraulic pump set)	VA06	90	-	51		
	-					
Electric Drive Control for controlling hydraulic drive of the trailer (installed for Flapdown stabilizer frame)	VA06	90	-	52		
	-					
Electric Drive Control for controlling hydraulic drive of the trailer (when ordering Front Screen installed in cranes's position #VA06-50-11) (not available with any hydraulic pump set)	VA06	-	90	-	53	
Mounting plate for 200 serie crane (with A-frame stabilizers)	VAxx	-	100	-	11	

Frame extension, operating length max. 1055 mm (can be adjusted for 3 lengths: 420 mm, 737 mm, 1055 mm)	VA05	-	110	-	11	
Frame extension, operating length max. 1200 mm (can be adjusted for 3 lengths: 440 mm, 790 mm, 1 180 mm)	VA06	-	110	-	12	
Rear grapple rack (available only with tail light beam #VAXx-140-12)	VAXx	-	120	-	12	
Can be folded into the loadspace.						
Tool box for front screen (950x290x120mm) (not avail. if hydraulic pump set and pneumatic brakes -combo ordered)	VAXx	-	130	-	11	
Tool box for front screen and Tool box for rear side of front screen with lock set (left side) (not avail. when hydraulic pump set and pneumatic brakes -combo ordered)	VAXx	-	130	-	12	



104 & 114 - CONFIGURATION

Tool box for rear side of front screen, with lock set (left side) (900x406x315mm)

VAXx - 130 - 13



Tool boxes for rear side of front screen 2 pcs, with lock set (left and right)

VAXx - 130 - 14

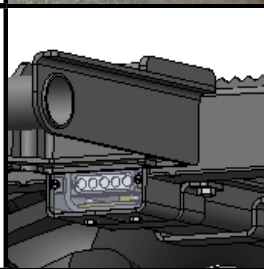
Rear light beam with 12V LED lights, EU 167/2013 approved (frame of rear lights' is made from flexible material) (MR30KMH) (with 17" and 18" wheels, incl short frame extension)

VAXx - 140 - 12



Rear working light, LED Walonia Lights mounted inside the frame tube (incl. 1x 25W LED work light, wiring harness and protective glass)

VAXx - 150 - 20



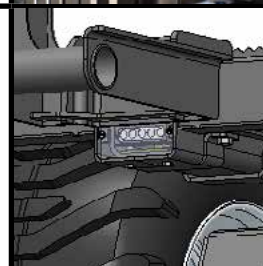
Front working lights, LED Walonia Lights mounted on the front screen (incl. 2x 25W LED work lights, wiring harness and protection shields for wiring harness)

VAXx - 150 - 30



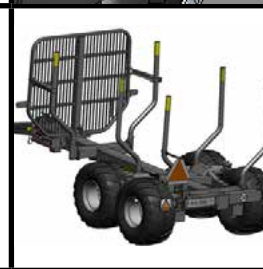
LED working lights for front screen and inside of the frame tube end, Walonia Lights (incl. 3x 25W LED work lights and installation set)

VAXx - 150 - 40



Road traffic package (MR30KMH) incl. side reflectors, MR30KMH typing plate and approval for EU 167/2013 (Wheels #VA06-70-30 or -31) (Brakes #VA06-80-15)

VAXx - 160 - 13





104 & 114 - CONFIGURATION

Standard KESLA painting,
colour black

VAXx - 170 - 10



KESLA special painting, draw-
bar, frame and rockertandem
are painted to your favorite
RAL colour.
(The RAL code need to be
mentioned in the order!)

VAXx 170 - 20

KESLA special painting,
metallic colours and varnish.
drawbar, frame and
booms are painted to RAL
-colour of your choice.
(The RAL code need to be
mentioned to the order!)

VAXx - 170 - 30



Trailer assemled ready and
tested

VAXx - 190 - 10



Crane installed on to the
trailer's frame and KESLA trail-
er- crane package tested

VAXx - 190 - 11

Trailer in pieces, packed on
delivery

VAXx - 190 - 12

Bioenergy transportation
set 104

29020273

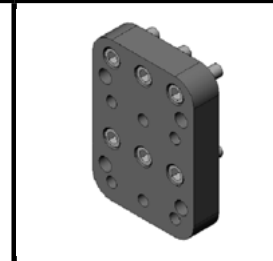
Bioenergy transportation
set 114 (frame extension
needed)

29020265



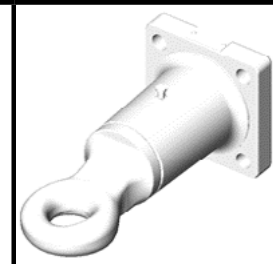
Drawbar adapter for drawbar
with vertical flange
(for drawbar VA02-14-11)

29012582



Rotating eyelet with vertical
flange, Scharmüller
(attaching is possible with
'Drawbar adapter #29012582')

3301537





104 & 114 - CONFIGURATION

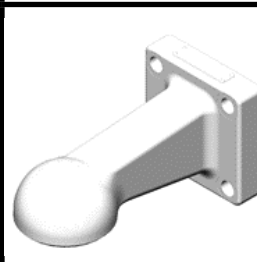
Fixed eyelet with vertical flange, Scharmüller (attaching is possible with 'Drawbar adapter #29012582')

3301536



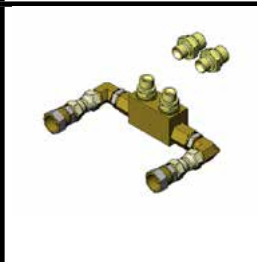
Drawcup with vertical flange, Scharmüller K80 (attaching is possible with 'Drawbar adapter #29012582')

3301538



Lock valve for drawbar turning

21110417



Warning triangle for slow vehicles (with bracket - mounting in the stake)

29011771

Log sorter for the load space - easier to transport different wood species in a same load (pcs)

29016473





FOREST TRAILERS - KESLA 124





FOREST TRAILERS - KESLA 124

**Recommended
loaders:
314-305T**

**Recommended
loaders:
325T, 326T**

**Trailer's dimension
information >>>**

KESLA	124H	124HD
Max. load (tn)	12	12
Total lenght (mm)	6 311	6 311
Total width (mm)	2 458-2 598	2 458-2 598
Load space area (m²)	2,7	2,7
Load space length (mm)	4 000-4 580	4 000-4 580
Ground clearance (mm)	570-610	570-610
Bunks/posts as standard	3/6	3/6
Weight (kg)	2 261	2 836
Hydraulic drawbar (°)	±35	±35
Wheel size	500/55x17" 550/45x22,5" 600/50x22,5"	500/55x17" 550/45x22,5" 600/50x22,5"
Plies	12-16	12-16
Drive power (tn)	Additional accessory/ equipment	1,8
Pressure (bar)	-	180
Max operating pressure (bar)	-	210
Max recommended oil flow (L/min)	-	45-100

NOTE! To get a MR30KMH approved trailer, at least "MR30KMH" marked equipment has to be ordered.



124 - CONFIGURATION

124 standard loadspace
(head rack, area 2,70 m²)

VA07 - 30 - 10



3 crossbeams (6 stakes)

VA07 - 40 - 10



4 crossbeams (8 stakes)
5 crossbeams (10 stakes)

VA07 - 40 - 12

VA07 - 40 - 14



4 crossbeams (10 stakes)
(double bunk, rear)

VA07 - 40 - 11



5 crossbeams (12 stakes)
(double bunk, rear)

VA07 - 40 - 13



Front screen in std position
(incl. 4 pcs of short front
screen supports)

VA07 - 50 - 10



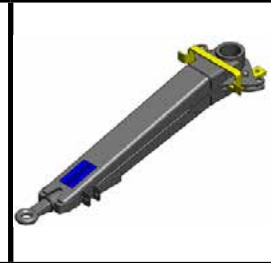
Front screen installed in
cranes's position (incl. 4 pcs of
longer front screen supports)
(not available with Bioenergy
Transportation set)
(not available with any
hydraulic pump set)
(not available with pneumatic
brakes)

VA07 - 50 - 11



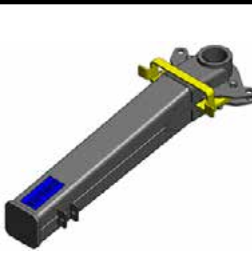


Drawbar "low" with
rotating eyelet (20T)




VA07 - 60 - 10





124 - CONFIGURATION

Drawbar "low" with vertical flange	VA07 - 60 - 11	
Drawbar "low" with vertical flange (not available with any hydraulic pump set)	VA07 - 60 - 12	
Wheels 500/55x17" Alliance 328 (12PR) (MR30KMH) (strengthened rims and protected tire valves)	VA07 - 70 - 30	
Wheels 500/55x17" Forestry Alliance 328 (12PR) (MR30KMH) (plug-protected tyres, strengthened rims and protected tire air inlet valves)	VA07 - 70 - 31	

Wheels 550/45x22,5" Alliance 328 (12PR) (MR30KMH) (strengthened rims and protected tire air inlet valves)	VA07 - 70 - 50	
Wheels 600/50x22,5" Alliance 328 (16PR) (strengthened rims and protected tire air inlet valves)	VA07 - 70 - 72	
Hydraulic disc brakes for 2 wheels	VA07 - 80 - 11	
Hydraulic disc brakes for 4 wheels	VA07 - 80 - 13	



124 - CONFIGURATION

Pneumatic brakes for 4 wheels
(with negative P-brake)
(front screen installed in
standard position)
(MR30KMH)

VA07 - 80 - 17



Fixed Hydraulic Pump set
for tractor's PTO-axle, Max.
70l/min.
Hydraulic flow are taken to
use of crane.
(hydr.tank 60L installed in
front screen)
(front screen in std position)

VA07 - 90 - 20



Fixed Hydraulic Pump set for
tractor's PTO-axle, MAX. 70 l/
min, with Electric Drive
Control
(for KESLA 300 serie).
Hydraulic flow are taken to
use of crane and trailer
(hydr.tank 60l installed
frontside of front screen)
(front screen in std position)

VA07 - 90 - 22



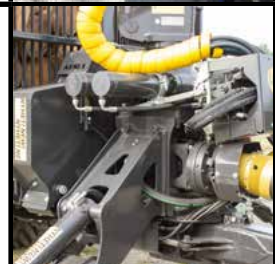
Fixed Hydraulic Pump set for
tractor's PTO-axle, MAX. 70 l/
min, with Electric Drive Control
(for KESLA 300 serie).
Hydraulic flow are taken to
use of crane and trailer (hydr.
tank 60l installed frontside of
front screen)
(front screen in std position)

VA07 - 90 - 23



LS -Hydraulic Pump set instal-
led inside of KESLA 300 series
stabilizer's frame, MAX.
150l/min. Hydraulic flow are
taken to use of the crane
(max. 280bar)
(hydr.tank 110L installed
frontside of front screen)

VA07 - 90 - 41





124 - CONFIGURATION

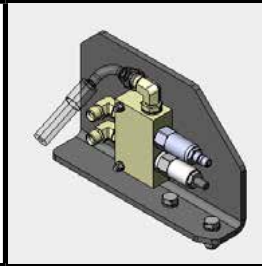
Fixed Hydraulic Pump set for tractor's PTO-axle, MAX. 70l/min, with Electric Drive Control (for KESLA 300 serie with A-frame stabilizers). Hydraulic flow are taken to use of crane and trailer (hydr. tank 60L installed frontside of front screen) (front screen in std position)

VA07 - 90 - 44



Brake Valve for KESLA forest trailer (when there is no hydraulic brake valve in the tractor)

29016677



Wide-angled pivot shaft (Comer V 62, 1210 mm, EN)

3302498



Electric Drive Control for controlling hydraulic drive of the trailer (installed for KESLA 300 serie A-frame stabilizer) (not available with any hydraulic pump set)

VA07 - 90 - 50

Electric Drive Control for controlling hydraulic drive of the trailer (installed for Flapdown stabilizer frame) (not available with any hydraulic pump set)

VA07 - 90 - 51



Electric Drive Control for controlling hydraulic drive of the trailer (when ordering "Front screen installed in cranes's position #VA07-50-11") (not available with any hydraulic pump set)

VA07 - 90 - 52



Frame extension, operating length max. 1200 mm (Can been adjusted for 3 different lengths: 460 mm, 830 mm, 1 180 mm)

VA07 - 110 - 11





124 - CONFIGURATION

Rear grapple rack
(available only with Tail Light
Beam #VA07-140-12)
Not recommended when a
screen is on the place of the
loader and the trailer has
bioenergy transportation
set. Can be folded into the
loadspace.

VA07 - 120 - 11



Tool box for front screen
(950x290x120 mm)

VA07 - 130 - 11



Tool box for front screen and
Tool box for rear side of front
screen with lock set (left side)

VA07 - 130 - 12

*Not available when hydraulic
pump et and pneumatic brakes
combination is ordered.*

Tool box for rear side of front
screen, with lock set
(left side) (900x406x315 mm)

VA07 - 130 - 13

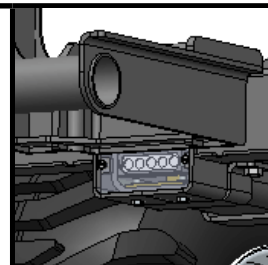


Tool boxes for rear side of
front screen 2 pcs, with
lock set (left and right)
(900x406x315 mm)

VA07 - 130 - 14

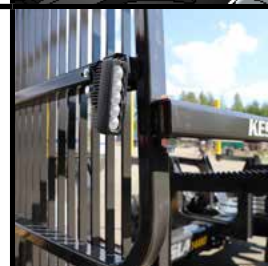
Rear working light, LED
Lights mounted inside the
frame tube (incl. 1x 25W LED
work light, wiring harness
and protective glass) (only
available with Tail Light Beam
#VA05-140-12) NEW!

VA07 - 150 - 20



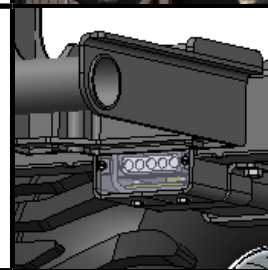
Front working lights, LED
Walonia Lights
mounted on the front screen
(incl. 2x 25W LED work lights,
wiring harness and protection
shields for wiring harness)

VA07 - 150 - 30



LED working lights for front
screen and inside of the frame
tube end, Walonia Lights
(incl. 3x 25W LED work lights,
johtosarjat, protective glass
for the rear working lights and
wiring harness protection for
the front working lights.)

VA07 - 150 - 40





124 - CONFIGURATION

KESLA special painting, drawbar, frame and rockertandem are painted to RAL -colour of your choice. (The RAL code need to be mentioned to the order!)

VA07 - 170 - 20



KESLA special painting, metallic colours and varnish. Drawbar, frame and rockertandem are painted to RAL -colour of your choice. (The RAL code need to be mentioned to the order!)

VA07 - 170 - 30



Taping for Bioenergy transportation set (Picture or design of desired taping need to be mentioned when ordering)

VA07 - 180 - 20



Trailer assembled ready and tested

VA07 - 190 - 10



Crane installed on to the trailer's frame and KESLA trailer-crane package tested

VA07 - 190 - 11

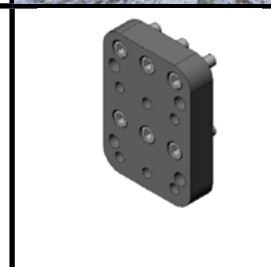
Bioenergy transportation set 124 (frame extension needed)

29019237



Drawbar adapter for drawbar with vertical flange (for drawbar #VA01-14-11)

29012582

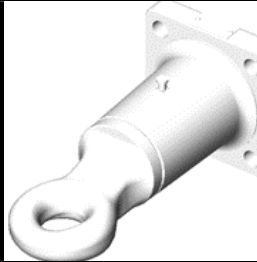




124 - CONFIGURATION

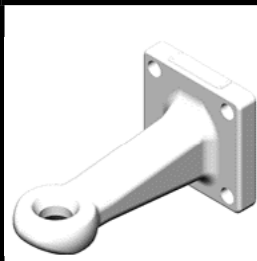
Rotating eyelet with vertical flange, Scharmüller (attaching is possible with 'Drawbar adapter #29012582')

3301537



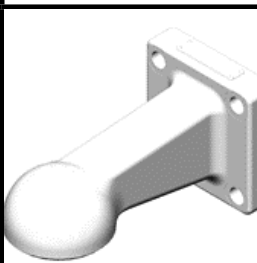
Fixed eyelet with vertical flange, Scharmüller (attaching is possible with 'Drawbar adapter #29012582')

3301536



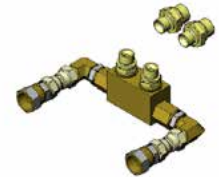
Ball coupling device with vertical flange, Scharmüller K80 (attaching is possible with 'Drawbar adapter #29012582')

3301538



Lock valve for drawbar turning

21110417



Warning triangle for slow vehicles (with bracket - mounting in the stake)

29014424



Wide-angled pivot shaft (Comer V 62, 1210 mm, EN)

3302498





FOREST TRAILERS - KESLA 144





FOREST TRAILERS - KESLA 144

**Recommended
loaders: 314-305T**

**Recommended
loaders: 325T, 326T**

**Trailer's dimension
information >>>**

KESLA	144H	144HD	144ND
Max. load (tn)	14	14	14
Total length (mm)	6 311	6 311	6 311
Total width (mm)	2458-2 598	2458-2 598	2458-2 598
Load space area (m ²)	3,20	3,20	3,20
Load space length (mm)	4 000-4 580	4 000-4 580	4 000-4 580
Ground clearance (mm)	570-610	570-610	570-610
Bunks/posts as standard	3/6	3/6	3/6
Weight incl. accessories (kg)	2 737	2 737	2 817/2 987
Hydraulic drawbar (°)	±35	±35	±35
Wheel size	550/45x22,5" 600/50x22,5"	550/45x22,5" 600/50x22,5"	550/45x22,5" 600/50x22,5"
Plies	12-16	12-16	12-14
Drive power (tn)	-	1,8	1,5/2,2 (2WD) 3,0/4,4 (4WD)
Pressure (bar)	-	175	175-250
Max. speed with drive engaged (40-100l/min)	-	1,9-4,9	1,3-3,2
Max operating pressure (bar)	-	210	250

NOTE! To get a MR30KMH approved trailer, at least "MR30KMH" marked equipment has to be ordered.



144 - CONFIGURATION

KESLA proTRACTION Drive Control System, when proC is ordered. with the loader. Ensure the compatibility and necessary updates from the factory

VA08 - 20 - 20



KESLA proTRACTION Drive Control System, when proC is not ordered. incl. KESLA proC with right hand joystick

VA08 - 20 - 21



Downhill Brake Control system (controlled via KESLA proC right hand joystick) (available only when KESLA proTRACTION ordered)

VA08 - 21 - 20



144 standard loadspace (head rack, area 3,20 m²)
MR30KMH

VA08 - 30 - 14



144 standard loadspace, with Welded Log Bunks (head rack, area 3,20 m²) (not available with Bioenergy transportation set)

VA08 - 30 - 16



3 crossbeams (6 stakes)
4 crossbeams (8 stakes)
5 crossbeams (10 stakes)

VA08 - 40 - 10
VA08 - 40 - 12
VA08 - 40 - 14





144 - CONFIGURATION

4 crossbeams (10 stakes)
(double bunk, rear)
Double stakes not with plate
bunks

VA08 - 40 - 11



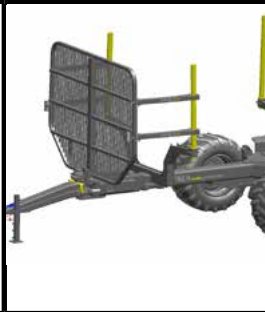
5 crossbeams (12 stakes)
(double bunk, rear)
Double stakes

VA08 - 40 - 13



Front screen in standard
position
(incl. 4 pcs of short front
screen supports)
MR30KMH

VA08 - 50 - 10



Front screen installed in
cranes's position (incl. 4 pcs of
longer front screen supports)
(not available with Bioenergy
transportation set) (not
available with any hydraulic
pump set) (not available with
Flapdown stabilizers) (not
available with pneumatic
brakes #VA08-80-17)

VA08 - 50 - 11

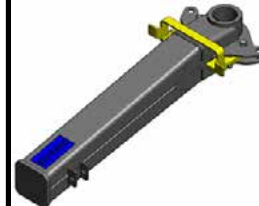
Drawbar "low" with rotating
eyelet (20T)

VA08 - 60 - 10



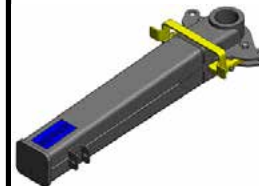
Drawbar "straight" with verti-
cal flange.
(Can be installed example
with Scharmüller eyelet
options, order a Drawbar
adapter #29012582)

VA08 - 60 - 11



Drawbar "low" with vertical
flange
Not available with pump
equipment

VA08 - 60 - 12





144 - CONFIGURATION

Wheels 550/45x22,5" Alliance 328 (12PR) (HD/ND)
Strengthened rims and protected tire air inlet valves.
(MR30KMH)

VA08 - 70 - 50



Wheels 550/45x22,5" Alliance 331 (12PR) (ND)
Plug-protected tyres, strengthened rims and protected tire air inlet valves.
(MR30KMH)

VA08 - 70 - 60



Wheels 600/50x22,5" Alliance 328 (16PR)
Strengthened rims and protected tire air inlet valves.

VA08 - 70 - 72



Wheels 600/50x22,5" Nokian Forest King Nordman (16PR) (only 144 ND)
Plug-protected tyres, strengthened rims and protected tire air inlet valves

VA08 - 70 - 80



Wheels 600/50x22,5" Nokia Forest King TRS (20PR) (only 144 ND)
Plug-protected tyres, strengthened rims and protected tire air inlet valves.

VA08 - 70 - 81



Hydraulic disc brakes for 2 wheels

VA08 - 80 - 11

Hydraulic disc brakes for 4 wheels

VA08 - 80 - 13

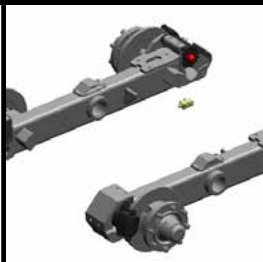




144 - CONFIGURATION

Pneumatic brakes for 4 wheels
(With negative P-brake)
(Front screen installed in
standard position)
(MR30KMH)

VA08 - 80 - 17



LS-Hydraulic Pump set
installed inside of KESLA 300
series stabilizer's frame, MAX.
150l/min. Hydraulic flow are
taken to use of the crane (max.
280bar) (hydr.tank 110L instal-
led frontside of front screen)
(front screen in std position)

VA08 - 90 - 41



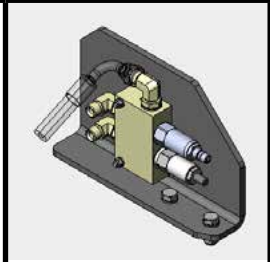
LS-Hydraulic Pump set
installed inside of KESLA 300
s. crane's A-frame stabilizers,
MAX. 150l/min, Electric Drive
Control. Hyd. flow taken to
use of crane and trailer (max.
280bar) (hydr.tank 110L instal-
led frontside of front screen)
(front screen in std position)

VA08 - 90 - 44



Brake Valve for
KESLA forest trailer
(when there is no hydraulic
brake valve in the tractor)

29016677



Wide-angle pivot shaft
(Comer V 62, 1210 mm, EN)

3302498



Electric Drive Control for
controlling hydraulic drive of
the trailer
(With 300 -series A-stabilizers,
not available with any
hydraulic pump set)

VA08 - 90 - 52

With Flapdown-stabilizers
(not available with any hyd-
raulic pump set)

VA08 - 90 - 53





144 - CONFIGURATION

Frame extension, operating length max. 1200 mm (can be adjusted for 3 different lengths: 460 mm, 830 mm, 1 180 mm)

VA08 - 110 - 11



Rear grapple rack

VA08 - 120 - 11



Available only with Tail Light Beam #VA08-140-12

Not recommended when a screen is on the place of the loader and the trailer has bio-energy transportation set.

Tool box for front screen (950x290x120mm) (not available when hydraulic pump set and pneumatic brakes comb. ordered)

VA07 - 130 - 11



Tool box for front screen and Tool box for rear side of front screen with lock set (left side) (not available when hydraulic pump set and pneumatic brakes comb. ordered)

VA07 - 130 - 12

Tool box for rear side of front screen, with lock set (left side) (900x406x315 mm)

VA07 - 130 - 13

Tool boxes for rear side of front screen 2 pcs, with lock set (left and right)

VA07 - 130 - 14

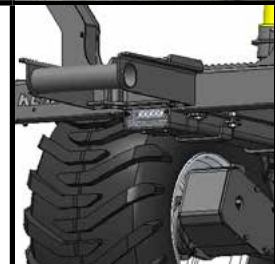
Rear light beam with 12V LED lights, EU 167/2013 approved (frame of the rear lights is made of flexible material) (MR30KMH)

VA08 - 140 - 12



Rear working light, LED Walonia Lights mounted inside the frame tube (incl. 1x 25W LED work light, wiring harness and protective glass)

VA08 - 150 - 20





144 - CONFIGURATION

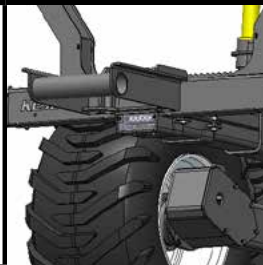
Front working lights, LED Walo-
nia Lights mounted on the
front screen (incl. 2x 25W
LED work lights, wiring harness
and protection shields for
wiring harness)

VA08 - 150 - 30



LED working lights for front
screen and inside of the frame
tube end, Walo-
nia Lights (incl.
3x 25W LED work lights and
installation set.

VA08 - 150 - 40



Standard KESLA painting,
colour Black

VA08 - 170 - 10



KESLA special painting, draw-
bar, frame and rockertandem
are painted to RAL -colour of
your choice. (The RAL code
need to be mentioned to the
order!)

VA08 - 170 - 10

KESLA special painting,
metallic colours and varnish.
drawbar, frame and
rockertandem are painted to
RAL -colour of your choice.
(The RAL code need to be
mentioned to the order!)

VA08 - 170 - 30



Taping for Bioenergy transpor-
tation set (picture or design of
the desired taping need to be
mentioned when ordering)

VA08 - 180 - 20



Trailer assembled ready
and tested

VA08 - 190 - 10


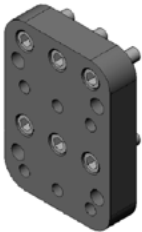
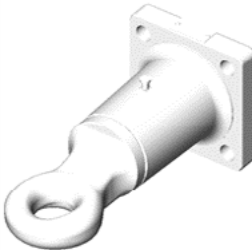


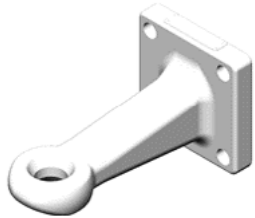
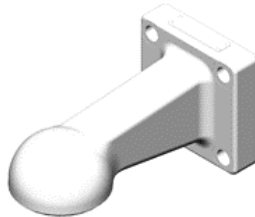
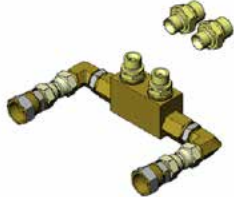
Crane installed on to the
trailer's frame and KESLA
trailer-crane package tested

VA08 - 190 - 11



144 - CONFIGURATION

Bioenergy transportation set 144 (frame extension needed)	29017862	
Drawbar adapter for drawbar with vertical flange (for drawbar VA01-14-11)	29012582	
Rotating eyelet with vertical flange, Scharmüller (attaching is possible with 'Drawbar adapter #29012582')	3301537	

Fixed eyelet with vertical flange, Scharmüller (attaching is possible with 'Drawbar adapter #29012582')	3301536	
Drawcup with vertical flange, Scharmüller K80 (attaching is possible with 'Drawbar adapter #29012582')	3301538	
Lock valve for drawbar turning	21110417	

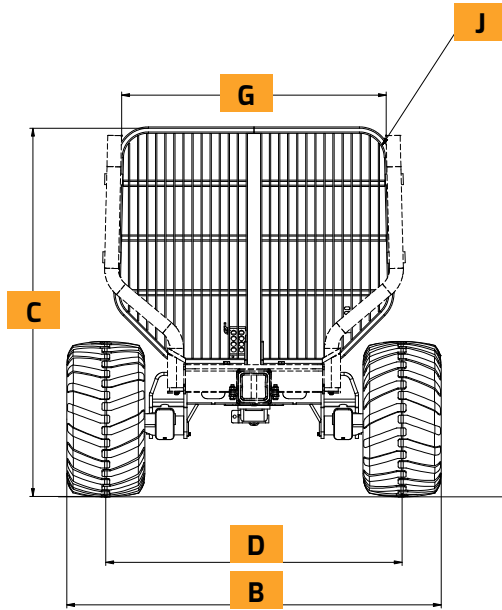


144 - CONFIGURATION

314/T adapter for lifting up the mounting point of crane +150mm (while 314/T is ordered with Flapdown stabilizers for top of KESLA 144 trailer's frame)	29019100	
Warning triangle for 144 trailers with welded bunks	29011771	
Registerplate holder (incl. in Road Traffic package)	29020085	
OFA TAPIO 11, 550/45x22.5 OFA TWIST 11, 550/45x22.5 OFA TAPIO 11, 600/50x22.5 OFA TWIST 11, 600/50x22.5	3190238 3190236 3190239 3190237	
Every listing contains a pair		



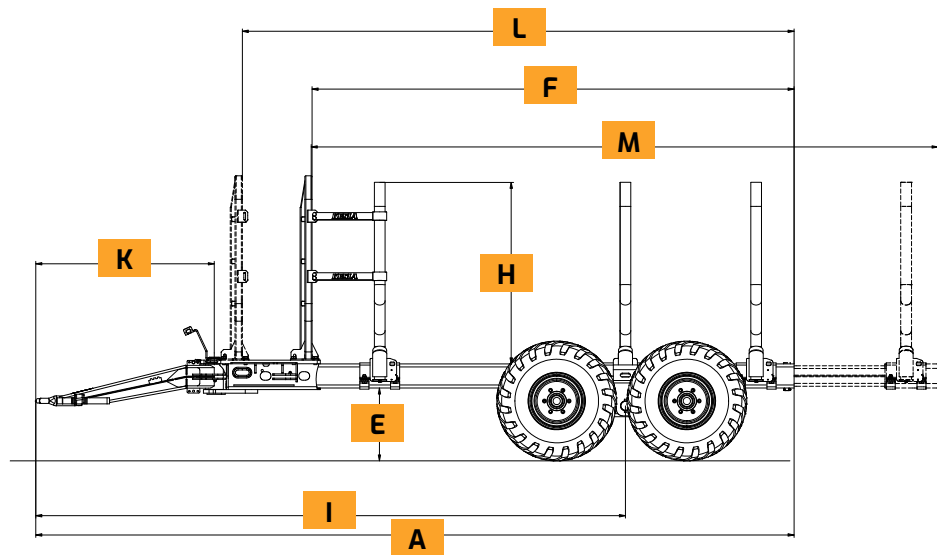
FOREST TRAILERS - DIMENSIONS



- A** Total length
- B** Max. width
- C** Height
- D** Track width
- E** Land allowance
- F** Loadspace length
- G** Sern width

- H** Loadspace height
- I** The distance between the tow hook and the pivot point of the bogie
- J** Loadspace area
- K** Handle length
- L** Loadspace length with installed loader
- M** Loadspace length with extension of the frame inside and outside

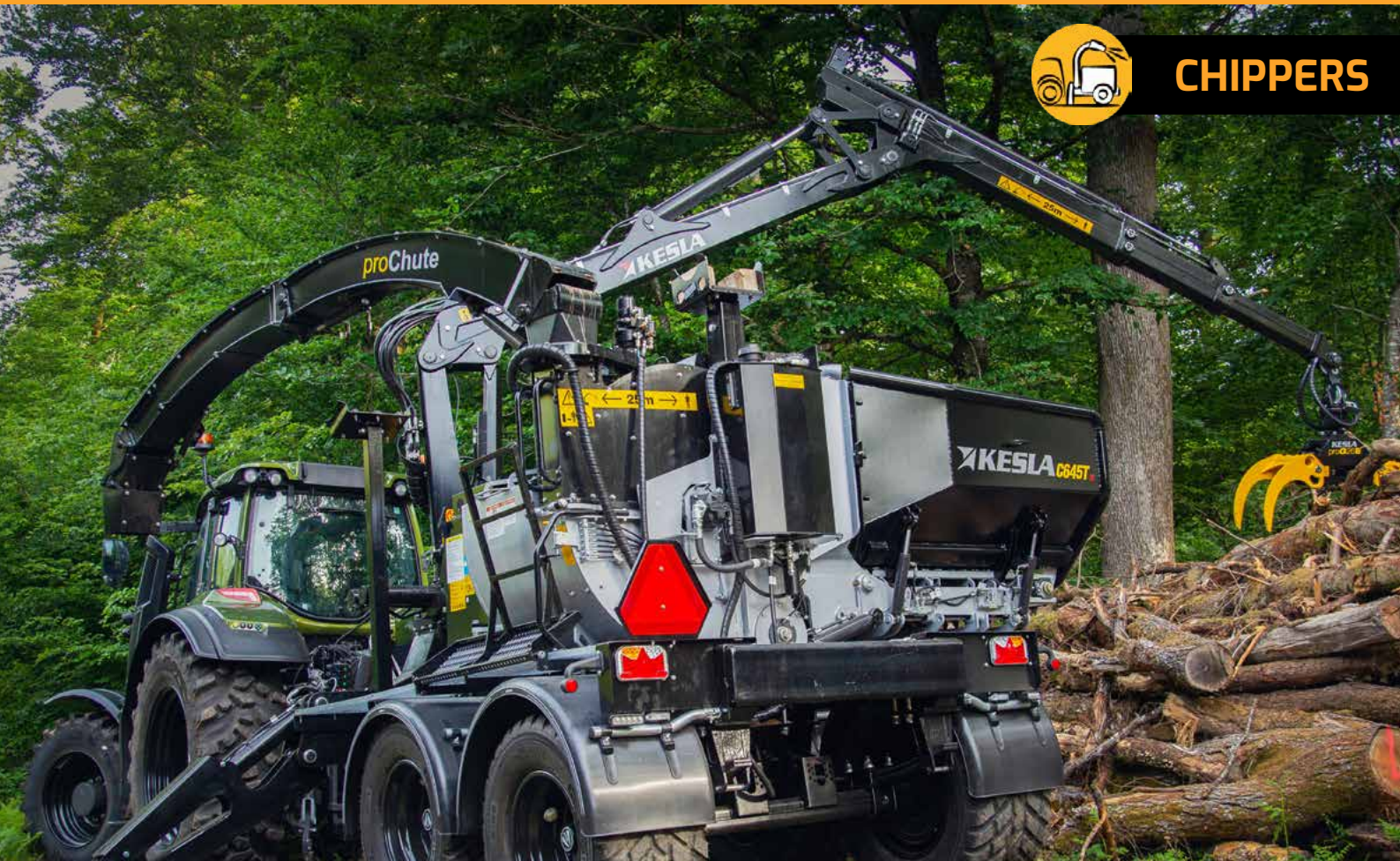
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
104	5 602	2 214-2 220	2 166-2 244	1 820	544-602	3 485
114H	6 076	2 275	2 241	1 175	615	3 794
114HD	6 076	2 275	2 241	1 175	615	3 794
114ND	6 076	2 275	2 241	1 175	615	
124H	6 311	2 458-2 598	2 414-2 512	1 991	652-750	4 029
124HD	6 311	2 458-2 598	2 414-2 512	1 991	652-750	4 029
144H	6 311	2 458-2 598	2 414-2 512	1 991	652-750	4 029
144HD	6 311	2 458-2 598	2 414-2 512	1 991	652-750	4 029
144ND	6 311	2 458-2 598	2 414-2 512	1 991	652-750	4 029



	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)
104	1 658	1 385	4 583	2.4	1 464	4 135	3 905-4 570
114H	1 658	1 385	4 861	2.4	1 480	4 370	4 334-4 989
114HD	1 658	1 385	4 861	2.4	1 480	4 370	4 334-4 989
114ND	1 658	1 385	4 861	2.4	1 480	4 370	4 334-4 989
124H	1 947	1 520	4 840	2.6	1 480	4 609	4 469-4 960
124HD	1 947	1 520	4 840	2.6	1 480	4 609	4 469-4 960
144H	2 184	1 690	4 840	3.2	1 480	4 609	4 469-4 960
144HD	2 184	1 690	4 840	3.2	1 480	4 609	4 469-4 960
144ND	2 184	1 690	4 840	3.2	1 480	4 609	4 469-4 960



CHIPPERS





CHIPPERS

KESLA C645 series chippers are especially suitable for tractor use. KESLA chippers are not only durable but also their daily service is smoothly done. The chipper is made of steel that is extremely durable and the wear parts are long-lasting and easy to change. The quality of the chips produced is proven to be good even to the most demanding customers.

Practical accessories

KESLA chipper can be equipped eg. with hydraulic pump unit, with sturdy stabilizers, with different working lights and with big toolboxes. Camera can be installed to the chute to show the chip flow and to rear end of the chipper to increase visibility in the back side and to easy-up reversing.

Feeding table and feeding intake

The chipper has a long feeding table that together with the aggressive upper roll keeps the logs in tight grip up to the rotor. Thanks to the higher rear plate the logs can easily be headed to intake opening.

Versatile chassis options planned for chipper use.

Kesla offers to tractors different chassis options planned for chipper use. With HD drive, articulated drawbar and rocky boogie with low gravity point to the terrain. A chassis with strong axles, springs and brakes to forest or normal roads.



Compatible crane

Kesla produces also cranes compatible with chippers. A combination installed and tested at the factory is always a fine-tuned and reliable option. The both crane and chipper are controlled with the same electric control system, which reduces the amount on wires and switches in the tractor cabin. The control system's joystick is integratable into tractor's right armrest.

Mobility

In the chassis of the chipper there is a 2-sylinder articulated drawbar which enables fluent moving of the chipper even in tightest curves behind the tractor. The chassis can be equipped with brakes and hydraulic roller drive (HD) meant for occasional use.

Excellent serviceability

In KESLA chippers, longevity is one of the things that has been paid a lot of attention to. This can be seen among other things in amount of changeable parts, in density of service network and smoothness of service measures. The most important greasing points are reached from one point to ensure easy greasing.





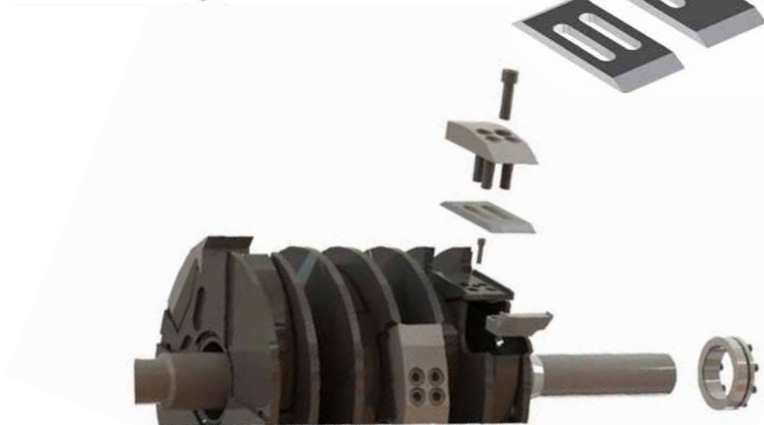
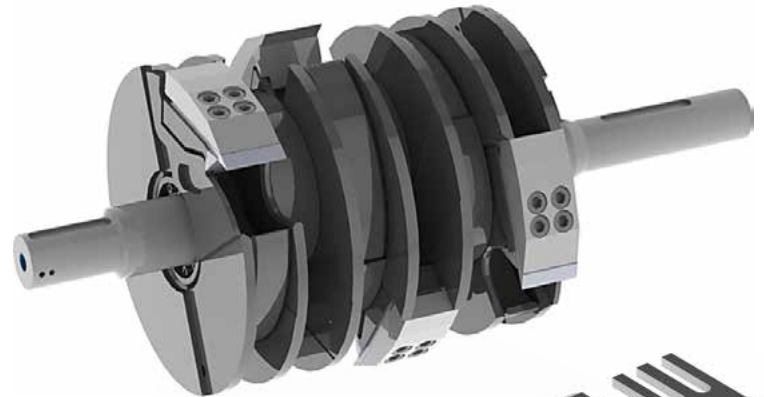
CHIPPERS - ROTOR

KESLA LogCUT rotor has been planned to produce high quality chips efficiently and fuel-economically.

- Consistent chip size
- Suitable for light or heavy use
- All wearparts are changeable
- Upper knife-holder
- Lower knife-holder with threads
- High weight (600 kg) levels the stresspeaks
- Precisely blanced to minimize the tremble and to maximize the durability of the machine
- Equipped with loose axle and shafts with friction lock proven to be a lasting solution
- Patented open chip passage

Knives and knife-holders

- Six knives that can be quickly changed
- All knives are ensured with four M24 bolts without adjustment bolts
- Friction locking enables reversing of knives in case they touch metal or stone
- Upper knife-holder's shape is optimized to swallow wood better
- Lower knife-holder with threads can be changed
- Lower knife-holder is patented
- Protected knife structure
- Two types of knives: one- and two-sided
- Both can be sharpened several times
- Two-sided can also be turned around





CHIPPERS - CONTROL SYSTEM

KESLA proCHIPPER control system

KESLA chippers are controlled by the electronic KESLA proCHIPPER control system. According to our customers, the chipper control is easy to learn regardless of their previous operating background. The control of the KESLA crane that feeds the chipper can also be connected to the same control system. Adjustment menus can be found on the easy-to-use touch screen. The user interface is available in several languages, including Swedish. Control is managed via mini-joysticks, the rightmost of which can be integrated into the armrest of a Valtra tractor, if necessary.

The system has pre-set settings for entire trees, logs and branches. Feed rate and stop control works with a slide control. All system diagnostic information can be accessed from the screen.

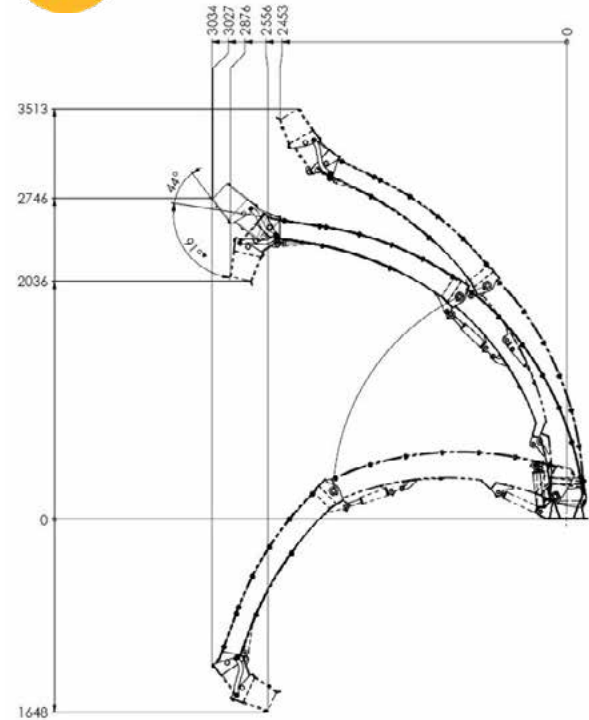




CHIPPERS - CHUTE

Durable chute with a wide working range and replacable wear plates.

- Smooth geometry ensures a powerful blow without the fear of blockages.
- Possibility to turn the chute with gear ring using a powerful hydraulic engine and brakes.
- Expertly designed geometry allows the opportunity to blow from a low angle, for example into a door openings or into high containers.
- Wear plates are easily replacable.
- Durable two-piece vizer provides a wide working range and enables smooth chip output, as well as presice blow.
- Working light included as a standard.
- Camera is available as an accessory.





CHIPPERS - BLOWER

- The blower has replacable wear plates that ensure a long lifetime of use even with the most heavy use.
- The blowing power is suitable for various materials.
- Wear plates provide protection for the inner parts of the blower
- Long lifetime of use, doesn't require frequent changes.
- Easy to switch out.
- 16 mm thick Hardox-wings.
- 12 mm thick Hardox wear plates on the ring.
- 6 mm thick Hardox wear plates on the sides.





CHIPPERS - DRAWBAR STEERING AND ROLLER DRIVE

HD-roller drive available for the KESLA C645T chippers

KESLA C645T chippers can be equipped with HD roller drive, aka. Robson roller drive. Thanks to the drive, they are suitable even for challenging conditions, such as unstable ground and heavy snow. Connecting the HD-trailer drive requires a double-acting hydraulic block (a so-called motor spool) with a “floating” function in the tractor. Alternatively, the trailer drive can be controlled with an electric drive control valve. When the hydraulics pressure is switched on, the drive rollers start turning and the rollers are pressed against the tyres; the drive is engaged. When the hydraulics is set to float, the rollers are lifted off the tyres and stop. Alliance 328 tyres are mandatory with the drive.

**NOTE: HD-roller drive is only meant for momentary use as traction assist in difficult terrain, not for long-term continuous driving.
The HD-trailers are not compatible with tracks or snow chains.**



Drawbar steering makes turning in tight spots possible

All KESLA C645-series chippers can be equipped with 2-cylinder drawbar steering. The benefits of drawbar steering are excellent agility and improved usability in different terrains.





CHIPPERS - SUITABLE TRACTOR

Requirements for a tractor to be used in conjunction with KESLA C645 -series:

- Tractor with a recommended power intake of 190-350 hv
- Tractor with either hydraulic brakes or pneumatic brakes. Brakes for the chipper need to be chosen according to the tractor's brakes.
- Hydraulic output and pressure according to the loader, the chipper needs to have its own pump.
- The head of the output shaft should be a large 6- or 20-track, PTO-speed 1000 rpm.
- Tractor should have a rotating seat and legroom when the seat is turned.
- Ensure that tractor has powerful lights that illuminate the chipper enough while working in the dark.
- Compatible K80-drawcup or eyelet.
- Valtra Unlimited -studio can integrate the right-side handle of KESLA-loaders into their tractors' armrests (see the next page)

Valtra Unlimited -studio delivers Ready-to-use -sets of KESLA chippers & Valtra tractors according to customers' individual needs. Models T174-254 and S274-394 are suitable Valtra-tractor models for chipper use.



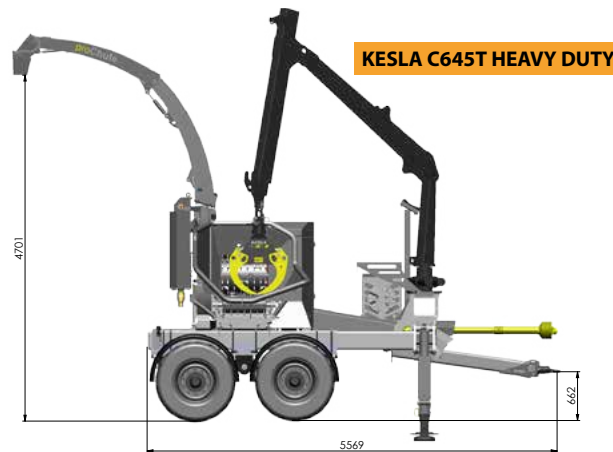
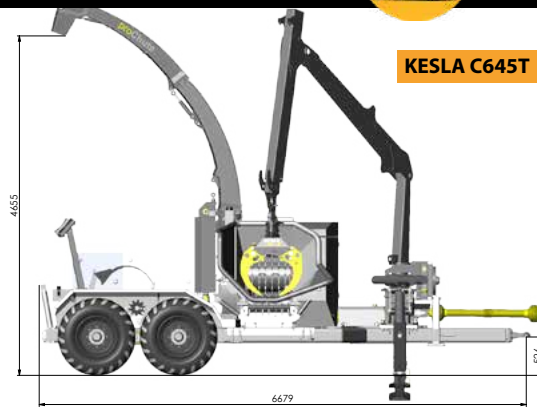
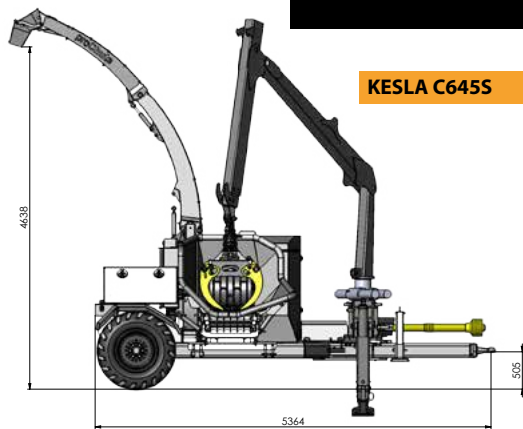


CHIPPERS - ATTACHING CHIPPER TO THE TRACTOR





CHIPPERS



**Recommended
crane 314T**

**Recommended
crane 305T**

**Recommended
crane 325T, 326T**

Bioenergy grapples



CHIPPERS






	KESLA C645S	KESLA C645T	KESLA C645T HEAVY DUTY
Chip output	~120 m³/h*	~120 m³/h*	~120 m³/h*
Fuel consumption	~ 0,5 l/m³*	~ 0,5 l/m³*	~ 0,5 l/m³*
Power requirement	140-260 kW	140-260 kW	140-260 kW
Intake opening	630x420 mm	630x420 mm	630x420 mm
Drum diameter	605 mm	605 mm	605 mm
Knives	6	6	6
Drum rpm	800-1000 rpm	800-1000 rpm	800-1000 rpm
Electric system	12 V DC	12 V DC	12 V DC
Weight without a crane	7 800 kg**	8 900 kg**	8 200 kg**
Length	5 370 mm	7 090 mm	5 570 mm
Width	2 550 mm	2 550 mm	2 550 mm
Maximum height	3640 mm	3640 mm	4 000 mm
Ground clearance	390 mm	410 mm	420 mm
Axles	1	2	2
Height of the discharge chute	4 640 mm	4650 mm	4 700 mm
Loader options	KESLA 314T, 305T, 325T, 326T	KESLA 305T, 325T, 326T,	KESLA 305T, 325T, 326T,
	Agile, 1-axle chipper.	Sturdy, 2-axle chipper with bogie mounting.	Sprung 2-axle chipper, designed for heavy duty use.




* Fuel consumption and chip output are dependent on the adjustments of the chipper as well as the material chipped.

** The weight is dependent on the accessories and equipment chosen.






CHIPPERS - CONFIGURATION




C645S Single: Single axle	CH60 - 10 - 10	
C645T Tandem: Tandem axle	CH60 - 10 - 20	
C645T Tandem Heavy Duty: Tandem axle with suspension	CH60 - 10 - 30	
C645 Chipper unit for self engine use	CH60 - 10 - 50	
C645 Chipper unit on subframe for self engine use	CH60 - 10 - 60	

Counter blade with full edge	CH60 - 20 - 10	
Chamfred counter blade (For producing coarse chippings)	CH60 - 20 - 20	
Screen 25 mm Screen 30 mm Screen 35 mm Screen 40 mm Screen 45 mm Screen 50 mm Screen 65 mm Screen 70 mm	CH60 - 30 - 10 CH60 - 30 - 20 CH60 - 30 - 30 CH60 - 30 - 40 CH60 - 30 - 60 CH60 - 30 - 70 CH60 - 30 - 90 CH60 - 30 - 100	



CHIPPERS - CONFIGURATION

Screen 80/65/50 mm	CH60 - 30 - 110	
Screen 80 mm (12 mm)	CH60 - 30 - 120	
Screen 100 mm (12 mm)	CH60 - 30 - 150	
Screen 80/100	CH60 - 30 - 140	
Screens with horizontal guides 40 mm	CH60 - 30 - 50	
50 mm	CH60 - 30 - 80	
85 mm	CH60 - 30 - 130	
Remote connection module	CH60 - 31 - 20	

Drawbar steering (Standard in container chipper)	CH60 - 40 - 20	
C645S Alliance 328 550/45-22.5	CH60 - 50 - 20	
C645S Country King 560/45-22.5	CH60 - 50 - 21	



CHIPPERS - CONFIGURATION

C645T Alliance 328 550/45-22.5 (Mandatory with drive)

CH60 - 50 - 30



C645T Country King 560/45-22.5

CH60 - 50 - 31



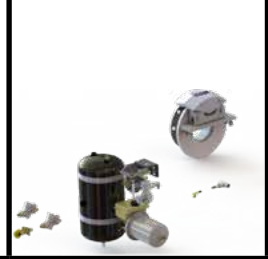
C645T-Tandem Heavy Duty Country King 560/45-22.5

CH60 - 50 - 40



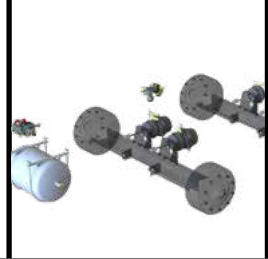
C645S Pneumatic brakes

CH60 - 60 - 20
4



C645-Tandem Heavy Duty
Pneumatic brakes with
parking brake

CH60 - 60 - 40





CHIPPERS - CONFIGURATION

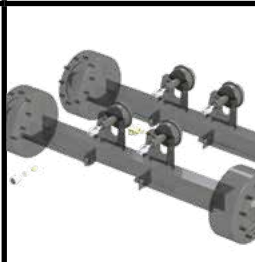
C645S Hydraulic brakes
C645T Hydraulic brakes

CH60 - 60 - 21
CH60 - 60 - 31



C645-Tandem Heavy Duty
Hydraulic brakes

CH60 - 60 - 41



Hydraulic robson drive C645T
(Alliance 328 550/45-22.5)

CH60 - 70 - 20



C645S, C645T Flap down-sta-
bilizers

CH60 - 80 - 20

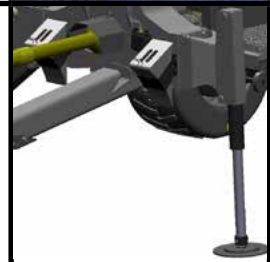


C645 Tandem Heavy Duty
Flap down-stabilizers

40

C645T-Tandem Heavy Duty,
Flap-down stabilizer right,
telescopic stabilizer on left.
(Crane 305-316)

CH60 - 80 - 50



Hydraulic equipment for
chipper

CH60 - 90 - 10

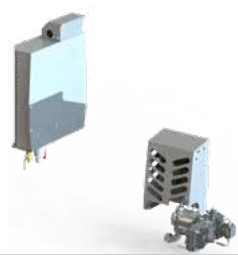




CHIPPERS - CONFIGURATION

Hydraulic equipment for chipper and 180L/min for loader. (Stabilizers need to be selected)

CH60 - 90 - 20



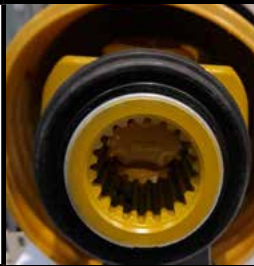
PTO Axle 2600mm 13/4" Z=6

CH60 - 100 - 20



PTO Axle 2600mm 13/4" Z=20 Heavy duty

CH60 - 100 - 30



700X500X500
Stainless steel, lockable

CH60 - 110 - 20

1000X500X500
Stainless steel, lockable

30

Both

40



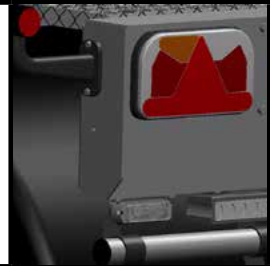
40km/h (Parking chocks, reflectors, TÜV-plate)

CH60 - 120 - 20








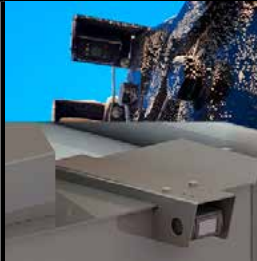
LED - Rear working & beacon light kit 2 pcs

CH60 - 130 - 20






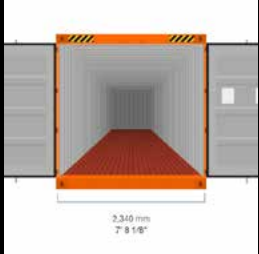





CHIPPERS - CONFIGURATION

LED working light for blade hatch	CH60 - 130 - 30		Rotating eyelet for trailers C645T Tandem Heavy Duty	CH60 - 140 - 30	
LED - Rear working & beacon light kit 2 kpl + LED working light for blade hatch	CH60 - 130 - 40		Camera kit for chute: IP68, Heating, IR-LED (With display)	CH60 - 150 - 20	
Drawcup K80	CH60 - 140 - 20		Camera kit for chute and reversing: IP68, Heating, IR-LED (With display)	CH60 - 150 - 30	



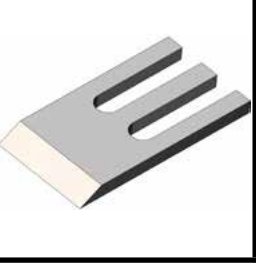





CHIPPERS - CONFIGURATION

Automatic central lubrication Chipper and loader	CH60 - 160 - 20		Kesla loader 305-700T integration set on chipper frame (loader's electrical harness, handles)	CH60 - 180 - 20	
Armrests Frameco Left Frameco Left + Right	CH60 - 170 - 20 CH60 - 170 - 30		Kesla loader 305-700 integration set on rear plat- form of the tractor (loader's electrical harness, handles)	CH60 - 180 - 30	
Frameco Left + Valtra smart touch arm fittings at right side	CH60 - 170 - 40		Disassembly to fit into a container and transportation in a container. (Take into consideration whether or not the receiving end is equipped to receive a disassembled chipper!)	CH60 - 200 - 20	
			Control system installation Start-up training		



CHIPPERS - CONFIGURATION

Knife, double edge	29016876		Standard chamfred counter blade (For producing coarse chippings)	29018752	
Knife, single edge	29016880		Knife holder, top	29016878	
Standard counter blade with full edge	21720138		Knife holder, bottom	29016875	



CHIPPERS - CONFIGURATION

Knife bolt

3010628



Chipper filter kit 70L

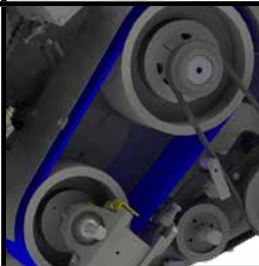
29013950



Rotor v-belts

(8 pcs per chipper)

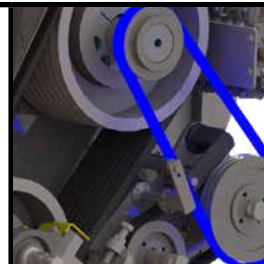
3301744



V-belts from rotor to upper screw

(2 pcs per chipper)

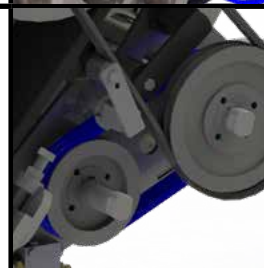
3301417



V-belts between screws

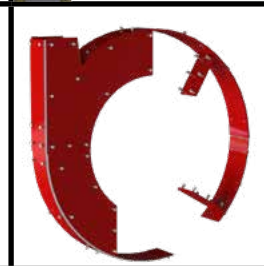
(3 pcs per chipper)

3300884





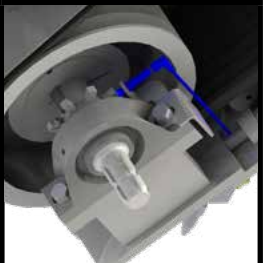



Blower wear plates

29020970





CHIPPERS - CONFIGURATION

ProChute wear plates	29020969		Screen 25 mm Screen 30 mm Screen 35 mm Screen 40 mm Screen 45 mm Screen 50 mm Screen 65 mm Screen 70 mm	21720783 21721748 21720579 21720650 21720182 21720145 21720580 21721742	
RPM sensor + wire (2 pcs per chipper)	3181190+3181994		Screen 80/65/50 mm Screen 80 mm (12 mm) Screen 100 mm (12 mm) Screen 80/100 mm	21721656 21721795 21722096 21721738	
Flange bearing for screws	3100351		Screens with horizontal guides 40 mm 50 mm 85 mm	29020132 29021024 29020655	



KESLA X-150 HYD

The **KESLA X-150 HYD** is a tractor's PTO used hydraulic power unit which produces high-capacity hydraulic power for tractor equipment, specifically, harvester heads. It can be fitted to a tractor's front or back three-point lifting hitch.

The unit consists of the following main parts: top covers | Oil tank / equipped frame | Radiator | Oil filter unit | Main block | Pump and gear | Bottom cover | Working lights.

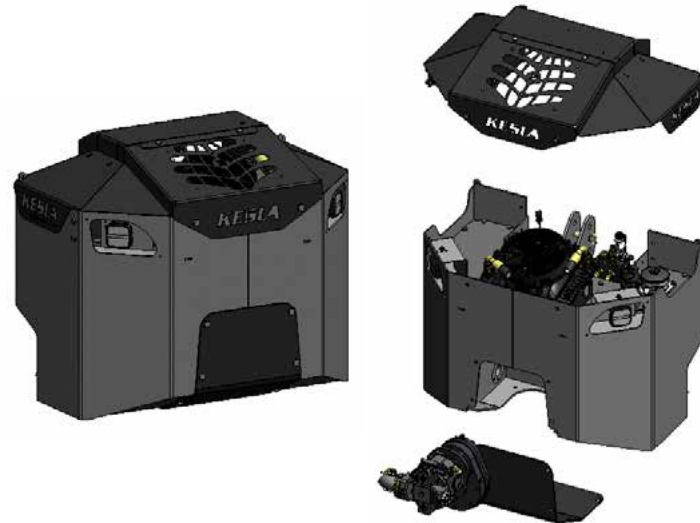
KESLA X-150 HYD TECHNICAL DATA

Width	1 165 mm
Height	1 010 mm
Length	745 mm
Weight	640 kg
Dry weight	500 kg
Hitch	CAT. 2
Required PTO input power	45-85 kW
PTO input speed	max 800 1r/min (RPM)
STD hydraulic pressure	24.0 Mpa
Max flow rate	150 l/min
Recommended operating temperature range	-20..+35 °C
Hydraulic oil filtering capacity	10µm

KESLA X-150 HYDRAULIC CONTROL OPTIONS:

Electrical proportional pressurizing equipment

LS pressure control



SPARE PARTS

Order KESLA spare parts: spare.parts@kesla.com, tel. +358 40 709 2208

Spare parts availability and pricing can also be found in eKesla's eParts!





SPARE PARTS - KESLA proG GRAPPLES

- The design goal of the jaw geometry is to fill the grip as full as possible, keep the bundle of logs as straight as possible, and to make it easier to pile the logs.
- The tips of the jaws have a straight section, which makes picking up single logs easier.
- The tips of the jaws are parallel to the ground when closed and the tips are closer to each other -> less soil or other unwanted particles picked.
- Forged components at the jaw links increase the grapple's durability.
- Thanks to the grapple design, the welding seams are located in less stressed places of the structure.
- Large pins and bushings increase the durability of the grapple.
- New fastening of pins.

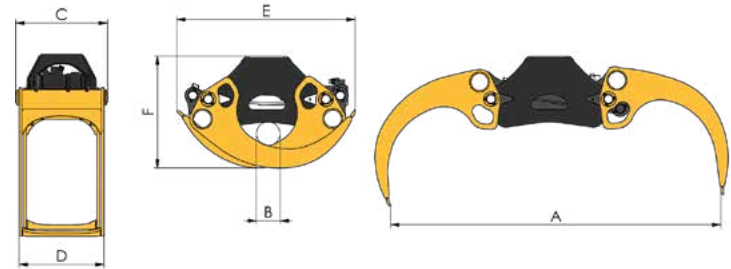
SPARE PARTS - KESLA proG GRAPPLES

Grapples

Grapple, KESLA proG 20, area: 0,18 m ²	29017761
Grapple, KESLA proG 26, area: 0,24m ²	29016654
Grapple, KESLA proG 28, area: 0,27 m ²	90025880
Grapple, KESLA proG 26E, area: 0,15 m ² (biomass grapple)	29016854
Grapple, KESLA proG 30E, area: 0,21 m ² (biomass grapple)	90025429

Adapter sets

Mounting set for CR-rotator and KESLA proG-grapple (incl. hoses and bolts)	29015697
Adapter for rotator FR10 (59 mm) and proG grapple (incl. flange, hoses, bolts and pin)	29014082
Adapter for rotator FR15 (69 mm) and proG grapple (incl. flange, hoses, bolts and pin)	29014477



	proG20	proG26	proG28	proG26E	proG30E
Weight (kg)	70	130	170	140	245
Area (m ²)	0,18	0,24	0,27	0,15	0,21
Operating (MPa)	17,5	21	25	21	25
Gripping force (kN)	7	11	13	12	18
Maximum load (kg)	1500	2 000	3 000	2 000	3 500
A	1 235	1 315	1 610	1 343	1 620
B	65	80	100	45	70
C	320	404	480	404	510
D	298	377	442	404	500
E	670	810	890	825	820
F	470	530	580	492	570

SPARE PARTS - KESLA proG GRAPPLES



Gravel clamshell buckets



	proG20	proG26
Weight (kg)	53 kg	83 kg
Volume (l)	150 l	230 l
Width max (mm)	800 mm	900 mm



Gravel buckets with straight walls



	proG26
Weight (kg)	100
Volume (l)	315



Manure/forage grabs



	proG20	proG26
Weight (kg)	33	52

Bale claws



	proG20	proG26
Weight (kg)	-	19 kg

SPARE PARTS - LOADERS

ROTATOR LINKS

202T-203T

KESLA Link rotator link w/o brake (for CR300)	29015738
Finn-Rotor rotator link, with single brake	29018762

204T

Finn-Rotor rotator link, w/o brake	3302320
Finn-Rotor rotator link, with single brake	3302321
Finn-Rotor rotator link, with double brake	3302322

314/T

Finn-Rotor rotator link, with single brake (for CR400)	3302321
Finn-Rotor rotator link, with double brake (for CR400)	3302322
Finn-Rotor rotator link, with single brake (for CR500)	3302323
Finn-Rotor rotator link, with double brake (for CR500)	3302220
Indexator rotator link, with double brake (for GV-6) (80-80/30 HD M52)	29018245

305/T

Finn-Rotor rotator link, with single brake	3302323
Finn-Rotor rotator link, with double brake	3302220
Indexator rotator link, with double brake (for GV-6) (80-80/30 HD M52)	29018245

326T

Keslink rotator link	29021620
Indexator rotator link with double brake	29020776

ARMRESTS

Armrests for Walvoil joysticks	21051122
Armrests for KESLA proC minijoysticks	90027664
Armrests for KESLA proC minijoysticks (VALTRA Arm fittings at right side)	29016746

STABILIZERS

A-frame stabilizers for KESLA 200 series (mounting on tractor's 3 point hitch or top of KESLA forest trailer's drawbar)	29012416
A-frame stabilizers for KESLA 300 series (mounting on top of KESLA forest trailer's drawbar)	29015772
Flapdown stabilizers for KESLA 200 or 300 series (mounting on tractor's 3 point hitch or top of KESLA forest trailer's drawbar)	29015466
Cylinder shields for Flapdown stabilizers, 2 pcs	29016621
3-point hitch adapter for the Flapdown stabilizers	29018554

SPARE PARTS - KESLA WINCH



KESLA winch gives you more outreach for working with your KESLA crane. Radio-controlled winch makes it possible to drag the logs from almost 40 meters range. Working with KESLA winch is safe because of precise radio-control system. The winch are a great help for cut down problematic trees. An attaching point for winch is included as a standard in KESLA crane models, 200 and 300 series. The hydraulic power for the winch is taken from a tractor's rear hydraulic output.



DESCRIPTION

ORDER ITEM

Radio controlled winch 1400 kg, mounted to the lifting boom
(incl. Wire 40 m/6 mm, hoses, remote control, batteries)

29015966

Radio controlled winch 2200 kg, mounted to the lifting boom
(incl. Wire 35 m/ 8 mm, hoses, remote control, batteries)

29017529

SPARE PARTS - KESLA proC



KESLA proC

DESCRIPTION

ORDER ITEM

KESLA proC -retrofit package for Walvoil DPX 100 equipped old KESLA cranes.
Includes: versatile KESLA proC-control system, screen in the tractor cabin attached with suction cups,
new super ergonomic mini joysticks, wire set, 2 x power feed and switch e.g. for working lights.
Please inform the serial number of your individual KESLA crane when ordering.

90027563

SPARE PARTS - FOREST TRAILERS

MOUNTING PLATE

Mounting plate for 200 serie crane (with A-frame stabilizers)	29012452
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Mounting plate for 200 serie crane (with A-frame stabilizers) (114HD-144HD/ND)	11190003
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FRAME EXTENSION

104 Frame extension	29012328
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114HD Frame extension	29015467
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124H/HD Frame extension	29014447
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144HD/ND Frame extension	29014447
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12MD/MDV/MDH Frame extension	29011924
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Older trailers

92/HD Frame extension	29012328
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102 Frame extension	29015467
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102H/HD/ND-122H/HD/ND Frame extension	29014447
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EXTRA BUNKS

104-114HD Extra bunk and 2x stakes	29018721
------------------------------------	----------

124H/HD Extra bunk and 2x stakes	29018792
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124H/HD Extra bunk and 4x stakes (double bunk)	29019030
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144HD/ND Extra bunk and 2x stakes	29019042
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144HD/ND Extra bunk and 4x stakes (double bunk)	29019041
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12MD/MDV/MDH Extra bunk and 2x stakes	29018907
---------------------------------------	----------

Older trailers

92/HD Extra bunk and 2x stakes	29013004
--------------------------------	----------

92/HD BIO Extra bunk and 2x stakes	29015940
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102 Extra bunk and 2x stakes	29013758
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102H/HD/ND Extra bunk and 2x stakes	29013758
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102H/HD/ND Extra bunk and 2x stakes (Double bunk)	29013858
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102H/HD/ND BIO Extra bunk and 2x stakes	29014509
---	----------

102H/HD/ND BIO / 122H/HD/ND Extra bunk and 2x stakes (Double bunk)	29014510
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122H/HD/ND Extra bunk and 2x stakes	29014509
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SINGLE STAKES

104-114HD Single stake (please inform the number of pieces needed)	29018722
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124H/HD Single stake (please inform the number of pieces needed)	29018793
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144HD/ND Single stake (please inform the number of pieces needed)	29014511
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SPARE PARTS - FOREST TRAILERS

TOOLBOX

Tool box for rear side of front screen, with lock set (900x406x315 mm)	29018782
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GRAPPLE RACK

Rear grapple rack	29019502
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DRAWBAR STEERING

Lock valve for drawbar turning	21110417
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BRAKE VALVE

Brake Valve for KESLA forest trailer (when there is no hydraulic brake valve in the tractor)	29016677
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DRIVE

HD Retrofit-kit for KESLA 124H -> 124HD	
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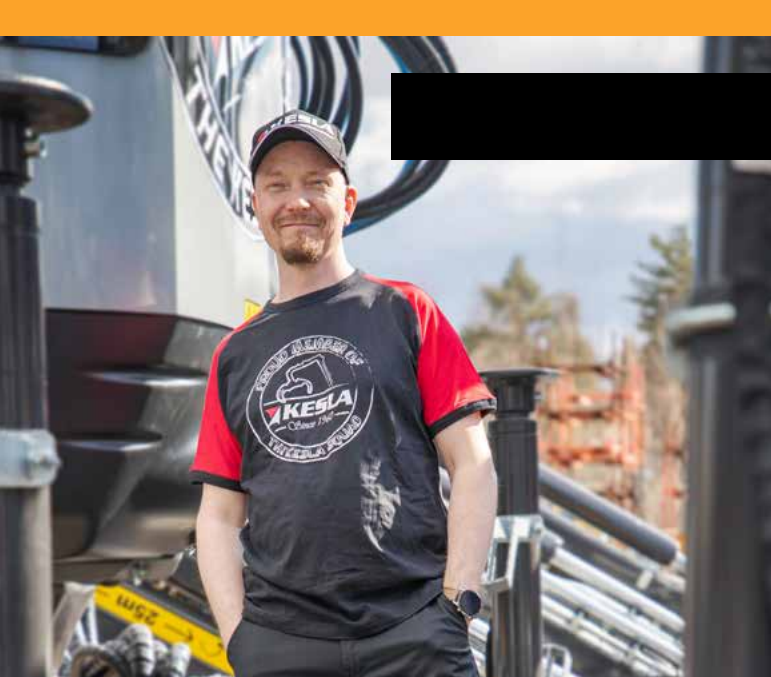
Retrofit-kit 124H for wheels 500/55x17"	29019551
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Retrofit-kit 124H for wheels 550/45x22,5"	29019552
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Retrofit-kit 124H for wheels 600/55x22,5"	29019553
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REAR LIGHTS

Tail light beam with 12V LED lights (the tail lights are protected within heavy beam, telescopic tail lights)	29020098
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SPARE PARTS - CLOTHING



Get your own KESLA brand clothing
from our spare parts or our webshop
<https://en.keslashop.fi/>

Ask staff for assortment and pricing.

Please note that clothing prices are net prices without VAT or freight costs.



Remember our dealer portal
www.ekesla.com

