

Price List

2017-2018



www.tuchel.com
Tel.: +49 (0) 5971 96 75-0

INDEX

TUCHEL-SWEEP

Road sweepers

SIMPLEX	3
KOMPAKT	4
ECO	5
PLUS 590	6
PROFI 660	7
PROFI-CHAMP	8
PROFI-GIGANT	9
BIG	10
IDEAL 650	11
SOLO	12
WB 750	13

TUCHEL-SNOW

Snow blades / Snow plows

L-SK	14
SK-K	15
SK-F	16
L-SF	17
SF	18
VARIO	19
Salt spreader TS 120 / 200	20

TUCHEL-TRAC

Vehicles

TUCHEL-TRAC TRIO	21
TUCHEL-TRAC MINI 2	23
TUCHEL-TOOL FARM-CLEAN	24

Technical data sheet „A-frame“ and „Three-point linkages“	25
Technical data sheet „3-D levelling“ and „Hydraulic connectors“	26
Technical data sheet „Brooms“	27



1161 SIMPLEX road sweeper - only for front-mounting (mechanical / hydraulic)

	120 cm	135 cm	150 cm
WORKING WIDTH IN ANGLED POSITION	113 cm	127 cm	141 cm
Basic machine incl.: brush adjustment by support wheels, mechanical angling, brush ø 400 mm, 100 % PP, support wheels ø 150 x 50 mm, available with			
(80198) PTO-drive via PTO-shaft (included in delivery) or			
hydraulic drive	1.866,-	1.994,-	2.134,-
Brush ø 400 mm, 50 % PP / 50 % wire brush segment (not to be used for agriculture)	61,-	66,-	75,-
Brush ø 400 mm, 100 % PP snow brush, for the winter service	52,-	58,-	64,-

Attachment systems

9002	A-frame CAT communal incl. levelling and pivoting part (<i>see page 25</i>)	468,-	468,-	468,-
9002	A-frame CAT 0 incl. levelling and pivoting part (<i>see page 25</i>)	623,-	623,-	623,-
9001	Three-point linkage CAT I / II incl. levelling and pivoting part (<i>see page 25</i>)	567,-	567,-	567,-
9009	Quick-hitch for Tichel-Trac TRIO incl. levelling and pivoting part	468,-	468,-	468,-
9007	Quick-hitch for front mowers incl. levelling and pivoting part (direct mounting - adjustment required)	647,-	647,-	647,-

1161 Dirt collection equipment

Hopper , mechanical emptying, incl. PU-lip (polyurethane) (to avoid that little stones slip onto public roads and against marks on road carpets)	540,-	571,-	613,-
---	-------	-------	-------

1161 Options

Hydraulic emptying • one double-acting hydraulic drive circuit required	361,-	361,-	361,-
Hydraulic angling • one double-acting hydraulic drive circuit required - <i>cannot be coupled with further functions</i>	361,-	361,-	361,-
Side brush ø 500 mm, brush 100 % PP (only possible on the right) • incl. spring segment, speed adjustment, one simple-acting respectively one double-acting hydraulic drive circuit required - <i>can be coupled with hydraulic emptying and/or hydraulic drive</i> - <i>only possible in combination with hopper</i>	1.008,-	1.008,-	1.008,-
Splash guard for the winter service , extra long, adjustable	176,-	176,-	176,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-
Our prices are ex works!			

IMPORTANT! Please always specify in orders:
Speed, turning direction and profile of PTO shaft, as well as the attachment system!



1751 KOMPAKT road sweeper - only for front-mounting (mechanical / hydraulic)

	135 cm 127 cm	150 cm 141 cm	175 cm 165 cm
WORKING WIDTH IN ANGLED POSITION			
Basic machine incl.: easy brush adjustment via adjusting lever, mechanical angling, splash guard, brush ø 520 mm, 100 % PP-Beeline brush elements in honey-comb shape, a particular bushy brush ensures high durability, support wheels ø 200 x 50 mm, available with			
(80198) PTO-drive via PTO-shaft, height-adjustable gear (included in delivery) or hydraulic drive	2.673,-	2.756,-	3.083,-
Brush ø 520 mm, 50 % PP / 50 % wire brush elements (not to be used for agriculture)	71,-	83,-	96,-
Brush ø 520 mm, 100 % PP snow brush, for the winter-service (for retrofit, another type of brush shaft must be mounted, price on enquiry)	63,-	75,-	87,-

Attachment systems

9001	Three-point linkage CAT I / II incl. side levelling and pivoting part with pendulum compensation and screw-lip (<i>see page 25</i>)	689,-	689,-	689,-
9002	A-frame CAT communal incl. side levelling and pivoting part with pendulum compensation and screw-lip (<i>see page 25</i>)	611,-	611,-	611,-
9002	A-frame CAT 0 / I / II incl. side levelling and pivoting part with pendulum compensation and screw-lip (<i>see page 25</i>)	755,-	755,-	755,-
9003	Attachment system for municipal vehicles incl. side levelling and pivoting part with pendulum compensation and screw-lip; 2 extra stable wheels ø 200 x 50 mm, steel-welded	884,-	884,-	884,-
9004	Attachment system for yard loaders and small wheel loaders incl. pivoting part with 3-D levelling 2 extra strong wheels ø 200 x 50 mm, steel-welded	902,-	902,-	902,-

1751 Dirt collection equipment

Hopper incl. PU-lip (polyurethane), hydraulic emptying (one double-acting hydraulic drive circuit required) incl. shut-off cock for simple sweeping (no dismounting of hopper required), incl. 3rd support wheel ø 200 x 50 mm (ensures a regular pressure and guide downwards)	897,-	956,-	1.017,-
High-fill flap inside the hopper, provides approx. + 30 % fill-capacity	91,-	91,-	91,-

1751 Options

Hydraulic angling • one double-acting hydraulic drive circuit required - cannot be coupled with other functions	363,-	363,-	363,-
Electro-magnetic commutator 12/24 V, for vehicles with only one double-acting hydraulic drive circuit	535,-	535,-	535,-
Side brush ø 600 mm (only possible on the right), brush 100 % PP • incl. spring segment, speed adjustment, one simple-acting respectively double-acting drive circuit required - can be coupled with hydraulic emptying and/or hydraulic drive - only possible in combination with hopper	1.043,-	1.043,-	1.043,-
Water-spray system for side brush	85,-	85,-	85,-
Water-spray system • 12 V intermitting pump, switch board, 100 l water tank and rear 3-point linkage (CAT I / II) for the tank (H20 for rear mounting, only)	1.456,-	1.456,-	1.456,-
Water-spray system • without water tank incl. intermitting pump and switch board	719,-	719,-	719,-
3rd support wheel • for simple sweeping road sweeper, height adjustable, ø 200 x 50 mm	227,-	227,-	227,-
Extra strong wheels • for hard working conditions and very uneven surfaces, ø 200 x 50 mm, steel-welded	-for 9003 and 9004 incl. 106,- / pc.	106,- / pc.	106,- / pc.
Splash guard • for the winter service, extra long, adjustable	200,-	200,-	200,-
Side-marker lamps • prescribed to drive on public roads	(price for 2 pcs.) 235,-	235,-	235,-
Colour option • acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-
Packaging (net)	36,-	36,-	36,-
Our prices are ex works!			

IMPORTANT! Please always specify in orders:
Speed, turning direction and profile of PTO shaft, as well as the attachment system!



1352 ECO road sweeper (hydraulic / mechanical)

	150 cm	180 cm	230 cm	260 cm
WORKING WIDTH IN ANGLED POSITION	141 cm	169 cm	216 cm	244 cm
Basic machine incl.: mechanical angling, splash guard, strong hydraulic motor, brush ø 520 mm, 100 % PP, height adjustable brand named wheels ø 200 x 50 mm	1.421,-	1.450,-	1.502,-	1.950,-
Brush ø 520 mm, 50 % PP / 50 % wire brush segments (not to be used for agriculture)	88,-	97,-	110,-	124,-
Brush ø 520 mm, 100 % PP snow brush, for the winter service	69,-	78,-	87,-	98,-
Brush ø 520 mm, 100 % PP brush rings, honey-comb shaped, bushy long-life brush, excellent for coarse dirt (for retrofit a different type of brush shaft is required, price on enquiry)	144,-	156,-	169,-	182,-

Attachment systems

9001	Three-point linkage CAT I / II, unflexible attachment (<i>see page 25</i>)	395,-	395,-	395,-	395,-
9001	Three-point linkage CAT I / II for PTO-drive (<i>see page 25</i>)	442,-	442,-	442,-	-----
9004	Yard loader attachment system / front loader plate, pivoting part with parallelogram and pendulum compensation, incl. height indicator	903,-	903,-	903,-	-----
9005	Fork-tines attachment 140 x 65 mm , pivoting part incl. parallelogram and height indicator	814,-	814,-	814,-	-----
9005	Extra charge for bigger fork-tines (165 x 85 mm)	165,-	165,-	165,-	-----
9002	A-frame CAT communal / 0 / I, pivoting part incl. pendulum compensation and screw-lip (<i>see page 25</i>)	717,-	717,-	717,-	-----
1352	Side levelling	201,-	201,-	201,-	201,-

1352 Dirt collection equipment

	Hopper , mechanical emptying (without PU-lip)	409,-	427,-	456,-	510,-
	PU-lip (polyurethane) in order to avoid that little stones slip onto public roads; reduces considerably dust development and avoids scraping on road carpets	75,-	90,-	113,-	129,-

1352 Options

	Hydraulic emptying (one double-acting hydraulic drive circuit required)	434,-	434,-	434,-	434,-
	Extra strong wheels ø 200 x 50 mm, steel-welded	106,- / pc.	106,- / pc.	106,- / pc.	106,- / pc.
	3rd support wheel only for front mounting ø 200 x 50 mm (<i>required for all attachment systems with a parallelogram</i>)	356,-	356,-	356,-	356,-
	Hydraulic angling (one additional double-acting hydraulic drive circuit required)	434,-	434,-	434,-	434,-
	PTO-drive , Additional charge, only with Three-point linkage (front mounting on enquiry)	678,-	678,-	678,-	—
80198	PTO-shaft	258,-	258,-	258,-	—
	Side brush, ø 600 mm, brush 100 % PP , incl. spring segment and shut-off cock - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper	1.006,-	1.006,-	1.006,-	1.006,-
	Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

	Packaging (net)	36,-	36,-	36,-	36,-
	Our prices are ex works!				



1382 PLUS road sweeper (hydraulic)

	135 cm	150 cm	180 cm	200 cm	230 cm	260 cm
WORKING WIDTH IN ANGLED POSITION	127 cm	141 cm	169 cm	187 cm	216 cm	244 cm
Basic machine incl.: stable basic frame incl. mounting device; hydraulic drive with a strong hydraulic motor; broom with overrun control; brush ø 590 mm; 100 % PP WaveLine mixture with CrownLock system, for excellent sweeping results and high longevity; simple brush adjustment via adjusting lever with optimized sweeping angle; mechanical angling; brand-named wheels ø 250 x 50 mm	2.041,-	2.136,-	2.260,-	2.384,-	2.618,-	3.315,-
internal motor	497,-	497,-	497,-	497,-	497,-	497,-
Splash guard for simple sweeping application, extra long (380 mm) incl. splash protection flap	244,-	244,-	259,-	259,-	269,-	280,-
Brush ø 590 mm, 100 % PP brush rings in honey-comb shape no extra charge	-----	-----	-----	-----	-----	-----
Brush ø 590 mm, 50 % PP / 50 % wire brush rings	92,-	92,-	133,-	133,-	173,-	173,-
Brush ø 590 mm, 100 % Snowline brush rings in honey-comb shape, for the winter service	46,-	46,-	66,-	66,-	86,-	86,-

Attachment systems

Three-point linkage CAT I/II unflexible attachment (<i>see page 25</i>)	395,-	395,-	395,-	395,-	395,-	395,-
Joint bearing for an optimum bottom conformity (Three-point linkage, front mounting)	122,-	122,-	122,-	122,-	122,-	122,-
A-frame CAT Communal / 0 / I, incl. pivoting part with pendulum adaptor and screw-lip (<i>see page 25</i>)	721,-	721,-	721,-	721,-	721,-	721,-
Yard loader attachment / front-loader plate incl. pivoting part with parallelogram, pendulum compensation, incl. height indicator	903,-	903,-	903,-	903,-	903,-	903,-
Wheel-telescopic loader attachment (quick-hitch) 3-D floating system w/roller guide, pendulum compensation and height indicator (shows mid-position in levelling) (<i>see page 26</i>)	1.506,-	1.506,-	1.506,-	1.506,-	1.506,-	1.506,-
Fork-tines system, 150 x 60 mm pivoting part with parallelogram and height indicator; incl. quick-locking device	832,-	832,-	832,-	832,-	832,-	832,-
Fork-tines system, 150 x 60 mm 3-D floating system incl. roller floating tunnel, pendulum compensation and height indicator (shows mid-position in levelling); incl. quick-locking device	1.370,-	1.370,-	1.370,-	1.370,-	1.370,-	1.370,-
Extra charge for bigger fork-tines (200 x 100 mm)	165,-	165,-	165,-	165,-	165,-	165,-
Attachment system for municipal utility vehicles (Multicar, ...), pivoting part with pendulum adaptor and screw-lip, incl. side levelling	1.369,-	1.369,-	1.369,-	1.369,-	1.369,-	1.369,-
Attachment plate with lifting system incl. reinforced pivoting part, lifting part with pressure limit, levelling, pendulum compensation and transport securing appropriate for Unimog front-attachment plate DIN 76060: • shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24 • shape A (size 5) incl. fastening via pivoting screws M30	-----	-----	-----	2.703,-	2.703,-	2.703,-
Side levelling	201,-	201,-	201,-	201,-	201,-	201,-

1382 Dirt collection equipment

Large hopper with PU-lip (polyurethane) and hydraulic emptying , incl. mechanical shut-off cock for simple sweeping (no dismounting of hopper required), 1 double-acting hydraulic-drive circuit required	1.157,-	1.179,-	1.202,-	1.226,-	1.247,-	1.284,-
High-fill flap inside the hopper, fill capacity approx. +30 %	70,-	70,-	99,-	99,-	99,-	165,-

1382 Options

3rd support wheel (for front mounting, only), Ø 250 x 50 mm (<i>required for all attachment systems with parallelogram and roller floating tunnel</i>) • short version for sweeper without hopper available (same price)	356,-	356,-	356,-	356,-	356,-	356,-
Oil flow controller incl. pressure control valve for an infinitely variable speed adjustment • 90 - 129 liters for vehicles with pump capacity of more than 90 l/min. • 130 liter with 1" connectors; for vehicles with pump capacity of more than 130 l/min.	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-
Hydraulic angling (one additional double-acting hydraulic drive circuit required)	449,-	449,-	449,-	449,-	449,-	449,-
Electro-magnetic commutator 12/24 V, (for vehicles with only one double-acting hydraulic drive circuit)	678,-	678,-	678,-	678,-	678,-	678,-
Water-spray system 12/24 V, intermitting pump and switch board, side brush (if ordered), will also be equipped w/water-spray device • 100 l tank • 200 l tank • without tank	1.224,- ----- 784,-	1.224,- 1.413,- 784,-	1.224,- 1.413,- 784,-	1.224,- 1.413,- 784,-	1.224,- 1.413,- 784,-	1.224,- 1.413,- 784,-
Side brush ø 600 mm, brush 100% PP , incl. spring segment, speed adjustment, shut-off cock and snap closing - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper	1.054,-	1.054,-	1.054,-	1.054,-	1.054,-	1.054,-
Extra strong wheels ø 250 x 80 mm, for hard working conditions and uneven surfaces, (<i>recommended for a working width from 260 cm</i>)	106,-/pc.	106,-/pc.	106,-/pc.	106,-/pc.	106,-/pc.	106,-/pc.
Side-marker lamps (LED); prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-	235,-	235,-
Signal flag holders and Signal flags (price for 2 pcs.)	92,-	92,-	92,-	92,-	92,-	92,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-	239,-	239,-
Packaging (net)	36,-	36,-	36,-	36,-	36,-	36,-
Our prices are ex works!						

Prices for options are only valid for factory fitted original equipment. For retrofits to existing machines, please enquire prices! Special options on request! Prices in €, excl. tax, valid until 30.06.2018*. Errors and omissions excepted.



1552 PROFI 660 road sweeper (hydraulic)

WORKING WIDTH IN ANGLED POSITION	200 cm 188 cm	230 cm 216 cm	260 cm 244 cm	280 cm 260 cm
Basic machine incl.: stable chassis with mounting device, power is provided by an internal hydraulic motor (standard); broom w/overrun control, brush ø 660 mm, 100 % PP WaveLine mixture with CrownLock system, extra thick brush with high durability, simple brush adjustment via adjusting lever optimizing the sweeping angle, mechanical angling, brand-named support wheels ø 250 x 60 mm	3.545,-	3.672,-	4.408,-	5.443,-
Splash guard for simple sweeping application, extra long (380 mm) incl. splash protection flap	259,-	269,-	280,-	295,-
Brush ø 660 mm, 100 % PP brush rings in honey-comb shape	no extra charge	----	----	----
Brush ø 660 mm, 50 % PP / 50 % wire brush rings	153,-	163,-	173,-	184,-
Brush ø 660 mm, 100 % Snowline brush rings in honey-comb shape, for the winter service	77,-	87,-	97,-	107,-

1552 Attachment systems

Wheel loader / telehandler quick hitch system , 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 26)</i>	1.682,-	1.682,-	1.682,-	1.682,-
Fork-tines attachment 150 x 60 mm 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling), incl. quick-locking device	1.623,-	1.623,-	1.623,-	1.623,-
Surcharge for bigger fork-tines (200 x 100 mm)	165,-	165,-	165,-	165,-
Three-point linkage CAT I / II, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 25)</i>	1.461,-	1.461,-	1.461,-	1.461,-
A-frame CAT I, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 25)</i>	1.337,-	1.337,-	1.337,-	1.337,-
Attachment plate incl. lifting system w/reinforced frame, hydraulic cylinder w/pressure limit, levelling and pendulum compensation, transport securing, appropriate for Unimog front-attachment plate DIN 76060: • shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24 • shape A (size 5) incl. fastening via pivoting screws M30	2.729,-	2.729,-	2.729,-	2.729,-

1552 Dirt collection equipment

Large hopper incl. PU-lip, hydraulic emptying with shut-off cock (mechanical), for simple sweeping (no dismantling of the dirt collector required), high-fill flap inside the collector (approx. + 30% more fill-capacity), integrated 3rd support wheel (Ø 250 x 60 mm) ensures a regular bottom guidance & the dirt collector is constantly kept at an equal height	1.416,-	1.454,-	1.516,-	1.542,-
--	---------	---------	---------	---------

1552 Options

Oil flow controller incl. pressure control valve for an infinitely variable speed adjustment • 90 - 129 liters , for vehicles with pump capacity of more than 90 l/min • 130 liters with 1" connectors; for vehicles with pump capacity of more than 130 l/min; for extra big wheel- and telescopic loaders / tractors	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-	618,- 1.014,-
Hydraulic angling (one additional double-acting hydraulic drive circuit required)	429,-	429,-	429,-	429,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)	678,-	678,-	678,-	678,-
Water-spray system 12/24 V with intermitting-pump and switch board, side brush (if ordered) also with spraying device • 200 l tank • without tank	1.413,- 784,-	1.413,- 784,-	1.413,- 784,-	1.413,- 784,-
Side brush ø 600 mm, brush 50% PP / 50% flat steel (further material combinations on enquiry) incl. spring element, speed regulation, shut-off cock and snap closing, - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper	1.155,-	1.155,-	1.155,-	1.155,-
Surcharge: Side brush with hydraulic lowering (one additional double-acting hydraulic drive circuit required)	461,-	461,-	461,-	461,-
Leaves deflector , removes light material from the brush	280,-	280,-	296,-	296,-
Scraping device , straight shape, hydraulic operation (2 hydraulic cylinders), for simple sweeping or with hopper, optimum adaptation to the ground by spring-borne shares, shares can be adjusted and be used both-ways - not possible in combination with a side brush	2.450,-	2.850,-	3.200,-	3.450,-
3rd support wheel ø 250 x 60 mm, only for simple sweeping	541,-	541,-	541,-	541,-
Extra strong wheels ø 250 x 80 mm, for hard work and for very uneven ground	128,-/pc.	128,-/pc.	128,-/pc.	128,-/pc.
Heavy-duty guide rollers (CSE tyres) Ø 306 x 116 mm	332,-/pc.	332,-/pc.	332,-/pc.	332,-/pc.
Side-marker lamps (LED) ; prescribed to drive on public roads (road traffic act)	(price for 2 pcs.) 235,-	235,-	235,-	235,-
Signal flag holders and signal flags	(price for 2 pcs.) 92,-	92,-	92,-	92,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-
Our prices are ex works!				



1561 PROFI CHAMP road sweeper (hydraulic)

WORKING WIDTH IN ANGLED POSITION	240 cm 225 cm	280 cm 255 cm
Basic machine incl.: stable basic frame incl. mounting device, hydraulic drive with a strong internal hydraulic motor (standard) broom with overrun control, brush diameter ø 750 mm, 100 % PP WaveLine brush with CrownLock system, particular dense brush of great durability and very suitable for coarse dirt; simple brush adjustment via adjusting lever with an optimized sweeping angle, mechanical angling; brand-named wheels ø 405 x 110 mm	5.848,-	5.965,-
Splash guard for simple sweeping application, extra long (500 mm) incl. splash protection flap	284,-	292,-
Brush ø 750 mm, 50 % PP / 50% wire brush rings	185,-	200,-
Brush ø 750 mm, 100 % Snowline brush rings, in honey-comb shape, for winter service	97,-	110,-

1561 Attachment systems

Wheel loader / telehandler attachment (quick-hitch system) 3-D floating system with roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 26)</i>	1.810,-	1.810,-
Fork-tines 150 x 60 mm 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling), incl. quick-locking device	2.281,-	2.281,-
Surcharge for bigger fork-tines (200 x 100 mm)	165,-	165,-
Three-point linkage CAT I / II, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 25)</i>	1.785,-	1.785,-
Three-point linkage CAT I / II, inflexible attachment, mounted on a slewing ring <i>(see page 25)</i>	1.466,-	1.466,-
A-frame CAT I, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 25)</i>	1.785,-	1.785,-
Attachment plate incl. lifting system w/reinforced frame, hydraulic cylinder w/pressure limit, levelling and pendulum compensation, transport securing, appropriate for Unimog front-attachment plate DIN 76060: <ul style="list-style-type: none"> • shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24 • shape A (size 5) incl. fastening via pivoting screws M30 	2.831,-	2.831,-

1561 Dirt collection equipment

Large hopper incl. PU-lip (polyurethane), hydraulic emptying with mechanical shut-off cock for simple sweeping (no dismounting of hopper required), high-fill flap inside the hopper for approx. +30% fill capacity; integrated 3rd support wheel , ø 405 x 110 mm, to ensure a regular bottom guidance; hopper is constantly kept at an equal height	1.792,-	1.840,-
Rear three-point linkage:		
Hopper , without 3rd support wheel <i>(3rd support wheel see below --for change to front mounting-- 667,- Euro)</i>	1.143,-	1.201,-

1561 Options

Oil flow controller incl. pressure control valve for an infinitely variable speed adjustment <ul style="list-style-type: none"> • 90 - 129 liters, for vehicles with pump capacity of more than 90 l/min • 130 liter with 1" connectors; for vehicles with pump capacity of more than 130 l/min; (big wheel-/telescopic loaders/tractors) 	618,- 1.014,-	618,- 1.014,-
Hydraulic angling (1 additional double-acting hydraulic drive circuit required)	429,-	429,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)	678,-	678,-
Water-spray system incl. 12/24 V pump w/intermission function and protection against dry run and switch board; side brush (if ordered) will also be equipped w/water-spray device <ul style="list-style-type: none"> • 200 l tank • 400 l tank • without tank 	1.413,- 2.280,- 784,-	1.413,- 2.280,- 784,-
Side brush, ø 750 mm, brush 50% PP / 50% flat steel , incl. spring segment, speed adjustment, shut-off cock and quick-locking system <ul style="list-style-type: none"> - can be coupled with hydraulic emptying and / or hydraulic drive - only possible for simple sweeping 	1.236,-	1.236,-
Surcharge: Side brush with hydraulic lowering (one additional double-acting hydraulic drive circuit required)	461,-	461,-
Leaves deflector , removes light material from the brush	280,-	296,-
Scraping device , hydraulic operation (2 hydraulic cylinders), height adjustment by spindles, for simple sweeping and sweeping with hopper, optimum bottom guidance by spring-borne shares, shares can be adjusted and be used both-way, dirt is led to the road sweeper <ul style="list-style-type: none"> - not possible in combination with a side brush 	3.950,-	4.250,-
3rd support wheel ø 405 x 110 mm (for simple sweeping and rear three-point attachment)	667,-	667,-
Side-marker lamps (LED); for the public road traffic (price for 2 pcs.)	235,-	235,-
Signal flag holders and signal flags (price for 2 pcs.)	92,-	92,-
Colour option acc. to RAL (RAL 2004 = standard)	388,-	388,-

Packaging (net)	59,-	59,-
Our prices are ex works!		

Prices for options are only valid for factory fitted original equipment. For retrofits to existing machines, please enquire prices! Special options on request! Prices in €, excl. tax, valid until 30.06.2018*. Errors and omissions excepted.



1581 PROFIGIGANT road sweeper (hydraulic)

	260 cm	290 cm	320 cm	350 cm
WORKING WIDTH IN ANGLED POSITION	236 cm	263 cm	290 cm	317 cm
Basic machine incl.:				
3-D levelling (swivelling part incl. levelling and roller floating tunnel), simple brush adjustment via adjusting-lever, 2 internal motors (incl. oil-flow controller > 90 liters, 1" hydraulic connectors), broom with overrun control, splash guard, brush ø 800 mm, 100 % PP-Beeline brush rings in honey-comb shape, particular dense brush of great durability and very suitable for coarse dirt; brand-named wheels ø 410 x 145 mm				
	9.633,-	10.434,-	11.543,-	12.652,-
Brush ø 800 mm, 50 % PP / 50 % wire brush rings	248,-	276,-	314,-	353,-

Attachment systems

9018	Wheel loader-/ telehandler attachment (quick-hitch) incl. levelling and height indicator (shows mid-position in levelling) <i>(see page 26)</i>	2.261,-	2.261,-	2.261,-	2.261,-
9018	Three-point linkage CAT I / II incl. levelling and height indicator (shows mid-position in levelling); <i>(see page 25)</i>	1.698,-	1.698,-	1.698,-	1.698,-

1581 Dirt collection equipment

	Large hopper incl. PU-lip (polyurethane), high-fill flap inside the hopper, approx. +30 % fill-capacity, hydraulic emptying via 2 cylinders with mechanical shut-off cock for simple sweeping (no dismounting of the hopper required), incl. 3rd and 4th support wheel ø 410 x 145 mm, ensures a regular pressure downwards (hopper is constantly kept at an equal height)	3.754,-	4.189,-	4.622,-	5.056,-
--	---	---------	---------	---------	---------

1581 Options

	Hydraulic angling via 2 cylinders (one additional double-acting hydraulic drive circuit required)	1.311,-	1.311,-	1.311,-	1.311,-
	Electro-magnetic commutator 12/24 V, (for vehicles with only one double-acting hydraulic drive circuit)	678,-	678,-	678,-	678,-
	Water-spray system incl. 2 x 12/24 V intermitting-pumps and 2 x 200 l tanks, switch board, spray-lip in the rear (Side brush, if ordered, will be with water kit, too)	2.280,-	2.280,-	2.280,-	2.280,-
	Side brush ø 850 mm, brush 50 % PP / 50 % wire, incl. spring segment, speed adjustment and shut-off device - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with the hopper	2.147,-	2.147,-	2.147,-	2.147,-
	Surcharge: Side brush with hydraulic lowering (1 additional double-acting hydraulic drive circuit required)	461,-	461,-	461,-	461,-
	3rd and 4th support wheel for simple sweeping application without hopper, only brand-named wheels Ø 410 x 145 mm	1.857,-	1.857,-	1.857,-	1.857,-
	Side-marker lamps (LED); prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-
	Colour option acc. to RAL (RAL 2004 = standard)	459,-	459,-	459,-	459,-

Packaging (net)	69,-	69,-	69,-	69,-
Our prices are ex works!				



1781 BIG road sweeper (hydraulic)

	120 cm	150 cm	180 cm	210 cm
Bucket sweeper incl.: compact / wheel loader hitch (quick-hitch system); incl. large bucket to collect dirt, wear & tear lip / knives tightly welded onto the bucket (increases the longevity of the bucket), strong internal hydraulic motor incl. overpressure protection, brush has an optimum pressure downwards by its specific weight, simple brush adjustment, brush ø 600 mm, 100 % PP-Beeline brush rings in honey-comb shape, very bushy long-life brush, excellent for coarse dirt	3.830,-	4.220,-	4.580,-	5.670,-
Angle (approx. 25 degrees) to optimise the tilting-angle (allows high dumping), firm welding between bucket and quick-hitch system	254,-	254,-	254,-	254,-
Strengthening package for continuous operation: <ul style="list-style-type: none"> • wear & tear lip, made of armour steel • screw-under knives (bottom & side) made of armour steel 500 HB; lasts twice as long, simply by turning 	422,-	458,-	503,-	619,-
Brush ø 600 mm, 50 % PP / 50 % wire brush rings	116,-	116,-	144,-	144,-

1781 Options

Hopper opening by 2 hydraulic cylinders (additional double-acting hydraulic drive circuit required) <i>(only possible for initial equipment)</i>	1.178,-	1.178,-	1.178,-	1.178,-
Water-spray system with hopper opening by 2 hydraulic cylinders incl. water tank, 12 V intermitting pump and switch board <ul style="list-style-type: none"> • 100 liter tank • 200 liter tank 	—	1.224,-	1.224,-	1.224,-
	—	—	—	1.413,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)	678,-	678,-	678,-	678,-
Water-spray system incl. water tank, 12 V intermitting-pump and switch board <ul style="list-style-type: none"> • 100 liters • 200 liters 	1.224,-	1.224,-	1.224,-	1.224,-
	—	—	1.413,-	1.413,-
Water-spray system for side brush	85,-	85,-	85,-	85,-
Side brush ø 600 mm, mixed brush 50 % PP / 50 % wire , incl. spring segment - can be coupled with hydraulic emptying and / or hydraulic drive	1.285,-	1.285,-	1.285,-	1.285,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-
Our prices are ex works!				



1821 IDEAL 650 road sweeper (hydraulic)

	130 cm	150 cm	180 cm	210 cm
Basic machine incl.: strong internal hydraulic motor/w double pressure limit valve, pendulating main brush incl. pressure adjustment downwards, large hopper with hydraulic emptying, PU-lip (polyurethane), dust protection covering, 3rd support wheel, brush Ø 650 mm, 100 % PP mixture for fine and coarse dirt, brand-named wheels Ø 250 x 60 mm	4.693,-	5.073,-	5.452,-	5.629,-

Attachment systems

9005	Fork-tines system 150 x 70 mm , incl. 3-D levelling and quick-locking system	744,-	744,-	744,-	744,-
9005	Extra charge for bigger fork-tines (210 x 110 mm)	191,-	191,-	191,-	191,-
9012	Combined fork-tines / wheel loader attachment (quick-hitch) incl. 3-D levelling	1.384,-	1.384,-	1.384,-	1.384,-
9029	Combined three-point linkage / fork-tines attachment	1.384,-	1.384,-	1.384,-	1.384,-

1821 Options

Water-spray system 12/24 V switch board and intermitting-pump, side brush (if ordered) equipped with water-spray device, too				
• 100 l tank	1.224,-	1.224,-	1.224,-	1.224,-
• 200 l tank	1.413,-	1.413,-	1.413,-	1.413,-
Side brush ø 750 mm, brush 100% PP , with shut-off cock <i>- can be coupled with hydraulic emptying and / or hydraulic drive</i>	1.285,-	1.285,-	1.285,-	1.285,-
Extra strong wheels ø 250 x 80 mm, for hard working conditions and uneven surfaces	128,-/pc.	128,-/pc.	128,-/pc.	128,-/pc.
Side-marker lamps (LED); prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-
Oil flow controller incl. pressure control valve for an infinitely variable speed adjustment >90 liters, for vehicles with pump capacity of more than 90 l/min	618,-	618,-	618,-	618,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

Special options

9030	Separate and independent hydraulic system incl. oil tank (Makes the sweeper independent from the carrier-vehicle. Oil mixture is eliminated, in case that various carrier-vehicles are used.)				
	• 13 HP Honda GX 390 gasoline engine (Please enquire delivery time)	4.184,-	4.184,-	4.184,-	—
	• 10 HP Yanmar diesel engine	5.576,-	5.576,-	5.576,-	—

Packaging (net)	36,-	36,-	36,-	36,-
Our prices are ex works!				



1101 Solo push-broom

	150 cm	190 cm	230 cm	280 cm
Basic machine incl.: 11-row broom, stable basic frame, fork-tines attachment, safety chain, parking stands	1.318,-	1.596,-	1.878,-	2.224,-

1101 Attachment systems

Three-point linkage CAT I / II, A-frame CAT I (<i>see page 25</i>) or hitch system for buckets	403,-	403,-	403,-	403,-
Yard-loader / Front loader attachment system (up to 0,4 m³)	865,-	865,-	865,-	865,-
Extra charge for bigger fork-tine pockets , screwed (200 x 100)	165,-	165,-	165,-	165,-

1101 Options

Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-
--	-------	-------	-------	-------

Packaging (net)	26,-	26,-	36,-	36,-
Our prices are ex works!				



1911 Weed brush WB 750 for wheel loaders, communal vehicles, tractors, yard loaders

Basic machine incl.:

Mechanical inclination adjustment (upper link), mechanical lateral displacement (plug-in by bolt), rubber protection cloth, parking stand, Danfoss OMS Hydr. motor,

Brush ø 750 mm, **Flat wire bunches**

2.364,-

Brush ø 750 mm, **Rope wire bunches**, plastic covered, screwable, 22 pcs.

(surcharge)

329,-

1911 Attachment systems

Three-point linkage CAT I / II (see page 25)

384,-

Attachment system for municipal utility vehicles (Multicar, ...)

384,-

A-frame CAT Communal / 0 / I (see page 25)

286,-

Wheel- / Yard loader attachment (quick-hitch)

453,-

Fork-tines system, 150 x 60 mm

555,-

1911 Optional equipment

Guide wheel / support wheel: with castor 200 x 50 mm (< 0,4 m³ bucket capacity)
with castor 250 x 80 mm (> 0,4 m³ bucket capacity)

275,-
368,-

Speed regulation

145,-

Hydr. inclination adjustment of the brush (1 additional double-acting control circuit necessary)

319,-

Hydr. lateral displacement, stroke length 450 mm (1 additional double-acting control circuit necessary)

487,-

Electro-magnetic switching 12 V, (6/2-way or 8/3-way control valve)
for vehicles with only one or with two double-acting hydraulic control circuits

678,-

Colour option acc. to RAL (RAL 2004 = standard)

239,-

IMPORTANT When ordering, please specify: The vehicle's quantity of hydraulic circuits and hydraulic power (l/min.)

1901 Weed brush WB 750 for excavators up to 6 t

Basic machine incl.:

Mechanical inclination adjustment (upper link), rubber protection cloth, Danfoss OMS Hydr. motor,

Brush ø 750 mm, **Flat wire bunches**

2.012,-

Brush ø 750 mm, **Rope wire bunches**, plastic covered, screwable, 22 pcs.

(surcharge)

(Please note: For the retrofitting to rope wire bunches, another type of brush plate is required.)

329,-

1901 Attachment systems

Quick-hitch for mini excavators MS 01 / MS 03

170,-

1901 Optional equipment

Colour option acc. to RAL (RAL 2004 = standard)

239,-

Packaging (net)

36,-

Our prices are ex works!



1192 L-SK snow blade

	125 cm	155 cm	185 cm
WORKING WIDTH IN ANGLED POSITION	107 cm	133 cm	160 cm
Standard equipment incl.: Spring flap segments with PU-lip (polyurethane), mechanical angling, side interceptors right/left, height adjustable skids, blade height 50 cm	947,-	1.068,-	1.188,-

1192 Attachment systems

A-frame CAT Communal / 0 (see page 25) incl. pivoting part with screw-lip • and levelling	494,- 685,-	494,- 685,-	494,- 685,-
Three-point linkage CAT I / II (see page 25) incl. pivoting part with screw-lip • and levelling	622,- 813,-	622,- 813,-	622,- 813,-
Fork-tines attachment, 150 x 50 mm incl. pivoting part with screw-lip • and levelling	621,- 812,-	621,- 812,-	621,- 812,-
Attachment system for Tucle-Trac TRIO incl. pivoting part with screw-lip • and levelling	494,- 685,-	494,- 685,-	494,- 685,-
Yard loader attachment incl. pivoting part with levelling and pendulum compensation	835,-	835,-	835,-

1192 Options

Hydraulic angling (one double-acting hydraulic drive circuit required)	373,-	373,-	373,-
Wheels ø 150 x 50 mm (instead of skids) (price for 2 pcs.)	185,-	185,-	185,-
Side-marker lamps (LED), prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-
Signal flag holders (price for 2 pcs.)	61,-	61,-	61,-
Signal flags (price for 2 pcs.)	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-
Our prices are ex works!			



1342 SK-K snow blade

	150 cm	180 cm	200 cm	225 cm
WORKING WIDTH IN ANGLED POSITION	132 cm	159 cm	176 cm	198 cm
Standard equipment incl.: stable frame incl. folding mechanism (to protect the blade against damage in case of barricades), PU-lip (polyurethane), mechanical angling, side interceptors right and left, height adjustable wheels ø 200 x 50 mm, blade height 70 cm				
	1.621,-	1.853,-	1.969,-	2.248,-
Steel lip (surcharge)	357,-	403,-	454,-	502,-

1342 Attachment systems

Three-point linkage CAT I / II (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
A-frame CAT Communal / 0 (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	802,-	802,-	802,-	802,-
A-frame CAT I (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
Fork-tines attachment 150 x 50 mm ; incl. pivoting part with screw-lip and levelling	1.097,-	1.097,-	1.097,-	1.097,-
Yard loader attachment / quick-hitch incl. pivoting part with levelling (small roller-floating system) for small wheel loaders , only (up to 0,8 m³ bucket capacity)	1.229,-	1.229,-	1.229,-	1.229,-
Attachment plate for public utility vehicles incl. pivoting part and levelling (Kommobil / Multicar / ... Lifting-system on vehicle side required)	960,-	960,-	960,-	960,-

1342 Options

Hydraulic angling (one double-acting hydraulic drive circuit required)	511,-	511,-	511,-	511,-
Hydraulic angling with pressure control valve (one double-acting hydraulic drive circuit required)	686,-	686,-	686,-	686,-
Extra strong wheels ø 200 x 50 mm, steel-welded (price for 2 pcs.)	212,-	212,-	212,-	212,-
Side-marker lamps (LED), prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-
Signal flag holders (price for 2 pcs.)	61,-	61,-	61,-	61,-
Signal flags (price for 2 pcs.)	31,-	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-
Our prices are ex works!				



1342 SK-F snow blade

	150 cm	180 cm	200 cm	225 cm
WORKING WIDTH IN ANGLED POSITION	132 cm	154 cm	176 cm	198 cm
Standard equipment incl.: Stable frame incl. spring flap segments, mechanical angling, side interceptors right and left, infinitely height adjustable wheels ø 200 x 50 mm				
• PU-lip (polyurethane), blade height 70 cm	1.537,-	1.695,-	1.868,-	2.197,-
• communal lip (highly wear resistant rubber lip with corundum inlay), blade height 75 cm	2.047,-	2.286,-	2.548,-	2.957,-
Steel lip (surcharge, goes on top of basic price for PU-lip)	357,-	403,-	454,-	502,-

1342 Attachment systems

Three-point linkage CAT I / II (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
A-frame CAT Communal / 0 (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	802,-	802,-	802,-	802,-
A-frame CAT I (<i>see page 25</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
Fork-tines attachment 150 x 50 mm ; incl. pivoting part with screw-lip and levelling	1.097,-	1.097,-	1.097,-	1.097,-
Yard loader attachment / quick-hitch incl. pivoting part and levelling (small roller-floating system) for small wheel loaders , only (up to 0,8 m³ bucket capacity)	1.229,-	1.229,-	1.229,-	1.229,-
Attachment plate for public utility vehicles (Kommobil / Multicar / ... Lifting-system on vehicle side required)	960,-	960,-	960,-	960,-

1342 Options

Hydraulic angling (one double-acting hydraulic drive circuit required)	511,-	511,-	511,-	511,-
Hydraulic angling with pressure control valve (one double-acting hydraulic drive circuit required)	686,-	686,-	686,-	686,-
Extra strong wheels ø 200 x 50 mm, steel-welded (price for 2 pcs.)	212,-	212,-	212,-	212,-
Side-marker lamps (LED), prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-
Signal flag holders (price for 2 pcs.)	61,-	61,-	61,-	61,-
Signal flags (price for 2 pcs.)	31,-	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-
Our prices are ex works!				



1371 L-SF snow blade

	200 cm	225 cm	250 cm	275 cm	300 cm
WORKING WIDTH IN ANGLED POSITION	173 cm	194 cm	215 cm	237 cm	258 cm
Basic equipment incl.: Stable frame, incl. spring flap segments, mechanical angling, side interceptors right and left, infinitely height adjustable wheels ø 200 x 80 mm					
• PU-lip (polyurethane), blade height 82 cm	2.536,-	2.659,-	2.825,-	3.013,-	3.324,-
• communal lip (highly wear resistant rubber lip with corundum inlay), blade height 87 cm	3.216,-	3.312,-	3.678,-	3.943,-	4.347,-
Steel lip (surcharge, goes on top of basic price for PU-lip)	454,-	502,-	551,-	611,-	663,-

1371 Attachment systems

Wheel loader- / telescopic loader attachment system (quick-hitch) incl. pivoting part with roller-floating tunnel (2-D levelling) and height indicator (shows mid-position in roller-floating tunnel)	1.568,-	1.568,-	1.568,-	1.568,-	1.568,-
Attachment plate incl. lifting system incl. pivoting part, lifting cylinder with pressure limit valve (double-acting control valve required), levelling and pendulum compensation for an optimum bottom guidance and transport securing, suitable for Unimog front loader plate DIN 76060: • shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24 • shape A (size 5) incl. fastening via pivoting screws M30					
	2.431,-	2.431,-	2.431,-	2.431,-	2.431,-
Three-point linkage CAT I / II (<i>see page 25</i>) incl. pivoting part • incl. screw-lip for unflexible attachment • incl. levelling • incl. roller-floating tunnel (2-D levelling) and height indicator	1.034,- 1.662,- 1.464,-	1.034,- 1.662,- 1.464,-	1.034,- 1.662,- 1.464,-	1.034,- 1.662,- 1.464,-	1.034,- 1.662,- 1.464,-
A-frame CAT I (<i>see page 25</i>) incl. pivoting part • incl. screw-lip for unflexible attachment • incl. levelling • incl. roller-floating tunnel (2-D levelling) and height indicator	962,- 1.590,- 1.403,-	962,- 1.590,- 1.403,-	962,- 1.590,- 1.403,-	962,- 1.590,- 1.403,-	962,- 1.590,- 1.403,-
Fork-tines attachment 150 x 50 mm; incl. pivoting part with screw-lip for unflexible attachment • incl. levelling	970,- 1.598,-	970,- 1.598,-	970,- 1.598,-	970,- 1.598,-	970,- 1.598,-
Surcharge for bigger fork-tines (200 x 100 mm)	165,-	165,-	165,-	165,-	165,-

1371 Options

Hydraulic angling , incl. two hydraulic cylinders (one double-acting hydraulic drive circuit required)	752,-	752,-	752,-	752,-	752,-
Hydraulic angling incl. pressure control valve recommended for a working width from 250 cm, (one double-acting hydraulic drive circuit required)	958,-	958,-	958,-	958,-	958,-
Pressure retention valve (surcharge)	285,-	285,-	285,-	285,-	285,-
Extra strong wheels ø 250 x 80 mm (price for 2 pcs.)	256,-	256,-	256,-	256,-	256,-
Snow guide cloth (for a good visibility for the driver)	453,-	468,-	482,-	497,-	515,-
Side-marker lamps; (LED), prescribed to drive on public roads (price for 2 pcs.)	235,-	235,-	235,-	235,-	235,-
Signal flag holders (price for 2 pcs.)	61,-	61,-	61,-	61,-	61,-
Signal flags (price for 2 pcs.)	31,-	31,-	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)	239,-	239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-	36,-
Our prices are ex works!					



1332 SF snow blade

	250 cm	275 cm	300 cm	325 cm	350 cm
WORKING WIDTH IN ANGLED POSITION	215 cm	237 cm	258 cm	280 cm	301 cm
Standard equipment incl.:					
Spring flap segments, mechanical angling, interceptors right and left, height adjustable wheels ø 250 x 80 mm					
• PU-lip (polyurethane), blade height 103 cm	3.306,-	3.494,-	3.863,-	4.099,-	4.286,-
• Communal lip (highly resistant rubber wear lip incl. corundum inlay) blade height 108 cm	4.155,-	4.420,-	4.881,-	5.197,-	5.473,-
Steel lip (surcharge goes on top of basic price for PU-lip)	548,-	608,-	660,-	719,-	784,-

1332 Attachment systems

Wheel loader / telescopic loader attachment (quick-hitch) incl. pivoting part with roller-floating tunnel and height indication (shows mid-position in roller-floating tunnel)	1.568,-	1.568,-	1.568,-	1.568,-	1.568,-
Attachment plate incl. lifting system					
incl. pivoting part, lifting cylinder with pressure limit valve (double-acting control valve required), levelling and pendulum compensation for an optimum bottom guidance and transport securing, suitable for Unimog front loader plate DIN 76060:					
• shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24					
• shape A (size 5) incl. fastening via pivoting screws M30	2.431,-	2.431,-	2.431,-	2.431,-	2.431,-
Three-point linkage CAT I / II (see page 25) incl. pivoting part					
• incl. screw-lip for unflexible attachment	1.034,-	1.034,-	1.034,-	1.034,-	1.034,-
• incl. levelling	1.662,-	1.662,-	1.662,-	1.662,-	1.662,-
• incl. roller-floating tunnel and height indicator	1.464,-	1.464,-	1.464,-	1.464,-	1.464,-
A-frame CAT I (see page 25) incl. pivoting part					
• incl. screw-lip for unflexible attachment	962,-	962,-	962,-	962,-	962,-
• incl. levelling	1.590,-	1.590,-	1.590,-	1.590,-	1.590,-
• incl. roller-floating tunnel and height indicator	1.403,-	1.403,-	1.403,-	1.403,-	1.403,-
Fork-tines attachment 150 x 50 mm ; incl. pivoting part with screw-lip for unflexible attachment	970,-	970,-	970,-	970,-	970,-
• incl. levelling	1.598,-	1.598,-	1.598,-	1.598,-	1.598,-
Surcharge for bigger fork-tines (200 x 100 mm)	165,-	165,-	165,-	165,-	165,-

1332 Options

Hydraulic angling					
incl. two hydraulic cylinders (one double-acting hydraulic drive circuit required)	752,-	752,-	752,-	752,-	752,-
Hydraulic angling incl. pressure control valve,					
(1 double-acting hydraulic drive circuit required)	958,-	958,-	958,-	958,-	958,-
Pressure retention valve	(surcharge)	285,-	285,-	285,-	285,-
Skids	(price for 2 pcs.)	851,-	851,-	851,-	851,-
Heavy-duty wheels (CSE) Ø 306 x 116 mm	(price for 2 pcs.)	664,-	664,-	664,-	664,-
Snow guide cloth (for a good visibility for the driver)		482,-	497,-	515,-	529,-
Side-marker lamps (LED); prescribed to drive on public roads	(price for 2 pcs.)	235,-	235,-	235,-	235,-
Signal flag holders	(price for 2 pcs.)	61,-	61,-	61,-	61,-
Signal flags	(price for 2 pcs.)	31,-	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)		239,-	239,-	239,-	239,-

Packaging (net)	36,-	36,-	36,-	36,-	36,-
Our prices are ex works!					



1322 VARIO snow plough

	150 cm	180 cm	210 cm	260 cm	320 cm	370 cm
Clearing width V-shape	135 cm	161 cm	199 cm	226 cm	273 cm	281 cm
Clearing width Y-shape	135 cm	160 cm	193 cm	222 cm	257 cm	320 cm
Clearing width in angled position	135 cm	161 cm	196 cm	224 cm	265 cm	300 cm
Standard equipment incl.: stable frame with two hydraulically adjustable, flexible blades, incl. overcharge securing via nitrogen bubbles (two double-acting hydraulic drive circuits required), spring flap segments incl. folding mechanism (to protect the snow plough against damage, in case of barricades), side interceptors right and left, infinitely height adjustable wheels ø 200 x 50 mm (from 260 cm: ø 250 x 80 mm), snow plough height: see brochure						
• PU-lip (polyurethane)	2.785,-	3.127,-	3.667,-	4.597,-	5.143,-	5.939,-
• Communal lip (highly resistant rubber lip with corundum inlay)	3.183,-	3.548,-	4.124,-	5.229,-	5.739,-	6.745,-
Steel lip (surcharge goes on top of basic price for PU-lip)	—	—	—	458,-	563,-	645,-

1322 Attachment systems

Three-point linkage CAT I / II (see page 25); incl. pivoting part • incl. screw-lip for unflexible mounting • incl. levelling • incl. roller-floating tunnel and height indicator						
	928,-	928,-	1.066,-	1.066,-	1.066,-	1.247,-
	1.529,-	1.529,-	1.678,-	1.678,-	1.678,-	1.821,-
	1.625,-	1.625,-	1.789,-	1.789,-	1.789,-	1.951,-
A-frame CAT I (see page 25); incl. pivoting part • incl. screw-lip for unflexible mounting • incl. levelling • incl. roller-floating tunnel and height indicator						
	856,-	856,-	994,-	994,-	994,-	1.175,-
	1.344,-	1.344,-	1.482,-	1.482,-	1.482,-	1.626,-
	1.433,-	1.433,-	1.583,-	1.583,-	1.583,-	1.745,-
Fork-tines attachment, 150 x 50 mm • incl. levelling						
	970,-	970,-	1.108,-	1.108,-	1.108,-	1.289,-
	1.570,-	1.570,-	1.720,-	1.720,-	1.720,-	1.863,-
Surcharge for bigger fork-tines (200 x 100 mm)						
	165,-	165,-	165,-	165,-	165,-	165,-
Yard loader- / wheel loader- / telescopic loader attachment (quick-hitch system) incl. pivoting part with roller floating tunnel and height indication (shows mid-position in roller-floating tunnel)						
	1.649,-	1.649,-	1.814,-	1.814,-	1.814,-	1.994,-
Attachment plate for communal vehicles (Kommobil / Multicar / ... Lifting-system on vehicle-side required) • incl. levelling						
	767,-	767,-	—	—	—	—
	1.368,-	1.368,-	—	—	—	—
Attachment plate incl. lifting-device incl. pivoting part, lifting-cylinder with pressure limit (double-acting hydraulic drive circuit required), levelling and pendulum compensation for an optimum bottom guidance and transport securing suitable for Unimog front loader plate DIN 76060 : • shape B (size 3) incl. fastening via pivoting screws M30 or clamping screws M24 • shape A (size 5) incl. fastening via pivoting screws M30						
	—	—	2.431,-	2.431,-	2.431,-	2.431,-

1322 Options

Perfect control ; blades adjustment in straight position right / left, respectively from Y- to V-shape in one operation (only one double-acting hydraulic drive circuit required)						
	1.095,-	1.095,-	1.095,-	1.095,-	1.095,-	1.095,-
Electro-magnetic commutator 12/24 V for vehicles with only one double-acting hydraulic drive circuit						
	678,-	678,-	678,-	678,-	678,-	678,-
Skids	(price for 2 pcs.)	851,-	851,-	851,-	851,-	851,-
Extra stable wheels ø 200 x 80 mm steel-welded, for a width from 260 cm Heavy-duty wheels (CSE) Ø 306 x 116 mm (price for 2 pcs.)						
	246,-	246,-	246,-	664,-	664,-	664,-
Side-marker lamps (LED); prescribed for driving on public roads (price for 2 pcs.)						
	235,-	235,-	235,-	235,-	235,-	235,-
Signal flag holders (price for 2 pcs.)						
	61,-	61,-	61,-	61,-	61,-	61,-
Signal flags (price for 2 pcs.)						
	31,-	31,-	31,-	31,-	31,-	31,-
Colour option acc. to RAL (RAL 2004 = standard)						
	239,-	239,-	239,-	239,-	239,-	239,-
Packaging (net)						
	36,-	36,-	36,-	36,-	36,-	36,-
Our prices are ex works!						



1301 Preliminary price list Salt spreader TS

	120 Litres	200 Litres
Basic equipment incl.: <ul style="list-style-type: none"> - 12 volt operation, ideal for vehicles with little or no hydraulic power - Central control unit, allows comfortable control of the spreading width and quantity from the driver's seat - Equipped with agitator (supported on both sides) as standard, for loosening and improvement of the salt flow, avoids bridging - Freely adjustable rotation speed, ensures the optimum dosage - Completely made of 2.5 mm stainless steel, for a long life - Plastic container with level indicator and intervention protection incl. loss-safe hinged lid - Central setting of throwing blade, for adjusting the spreading pattern - Spreading width up to 6 m 	2.185,-	2.495,-

1301 Attachment systems

Screw-on bracket - Tow bar hitch for wheel / yard loaders or forklifts , height-adjustable; allows an easy attachment and tilting of the salt spreader, without having to dismount the tow coupling	554,-	554,-
Three-point linkage CAT I / II / 1N	198,-	198,-
A-frame	238,-	238,-

1301 Options

Lighting unit LED 12/24 V, adjustable, with indicator, and brake/ rear light function	388,-	388,-
Packaging (net)	36,-	36,-
Our prices are ex works!		



1601 Basic equipment / Specifications

Basic machine, ready for immediate operation, width 92,5 cm incl.:

- **Two double-acting hydraulic drive circuit**
- Leakage port
- Hydraulic lifting-system for various tools
- Three pneumatic wheels (field-tyres)
- **GFK-bonnet**, incl. swivelling system
- **Kubota** Diesel engine
- Hydraulic oil flow 25 l/min at 3200 rpm
- 2 cylinder (water-cooled)
- 10,3 kW (14 HP) at 3200 rpm/min
- Hour meter
- Turning radius (cm): 92/146 (inner/outer)
- Electric start
- Two driving speeds
- Forward / backwards
- Hydraulic all-wheel drive
- **Hydraulic steering**
- **Quick-hitch system** on the carrier-vehicle side for tools

Total price

12.680,-

1601 TRIO 3 cylinder Basic equipment / Specifications

Basic machine, as described above, but with:

- **Kubota** Diesel enging, **3 cylinder** (water-cooled), 14.9 kW (20 HP) at 3600 rpm

Total price

13.581,-

1601 Optional equipment

Tyres for grassed areas , in order to avoid damage done to the green	349,-
Rear weights 60 kg, screwed	434,-
Rollbar	919,-
Weather protection roof , transparent (delivery in combination with rollbar bar, only)	328,-
Towing device (tow coupling with ball head)	227,-
LED working lights , front and rear	334,-
Tyre fill	
- with magnesium chloride to weight the vehicle	101,- / pc.
- with polyurethane (PU), serves as a protection against flat tyres	175,- / pc.
Motor preheating system , 230 V	294,-
Hydraulic upper link , ideal for working with the high-dump bucket, 1 double-acting hydraulic drive circuit required - not suitable for bedding tools	315,-
Colour option , acc. to RAL (RAL 2004 = standard)	475,-

Packaging Tichel-Trac, for initial equipment, for 3 tools (net)

56,-

Our prices are ex works!



Tools

1643	Bedding tool „E“ (self-filling)	Basic container 450 liters, conveyor with hydraulic drive (32 ccm engine), adjustable external dosing plate, agitator shaft as prevention of material bridging, (self-filling) infinitely variable speed adjustment of the agitator shaft and the conveyor (for a more precise regulation of the spreading portion); Agitator shaft for bedding tools <u>without</u> side brush: - 7 straight agitator blades, 2 outer cranked agitator blades (recommended for heavy spreading material; deep-bed cubicles) Agitator blade for bedding tools <u>with</u> side brush (price for side brush see here below): - 8 cranked agitator blades (7 straight agitator blades, loose) container with metal sheet insert inside, additional option for dosing (recommended for light spreading material; high-bed cubicles) 4.875,- (Further options for initial equipment only possible upon former agreement with the technical department/sales department) • Quick-hitch for Trio (auto fill) incl. tipping device 1.062,- • Quick-hitch for Trio (manual fill): unflexible and direct mounting on the Trio 402,- • Cover plate to protect the bedding material against humidity (also suitable for top frames for basic container) 396,- • Slurry scraper , working width 145 cm 397,- • Side brush ø 750 mm , 100% PP (for high-bed cubicles in cowhouses) • hydraulic adjustment via hydraulic cylinder, incl. tilting-device 1.366,- • Side brush ø 850 mm , 100% PP (for high bed cubicles) 1.468,- • Container extension (to increase fill capacity) • + 170 liters (total capacity 620 liters) for <u>light</u> material 151,- • + 375 liters (total capacity 825 liters) for <u>light</u> material (restricted visibility for the operator) 265,- • Quick-hitch adaptor for TRIO 219,- (recommended for heavy bedding material: tyres with PU-fill - see page 21)
1623	Bedding tool „F“ (manual fill)	Basic container 160 liters, incl. worm conveyor, conveyor belt with hydraulic drive (32 ccm engine), incl. infinitely variable speed adjustment of worm conveyor and conveyor belt (for a more precise regulation of the spreading portion) 4.896,- Extra charge TRIO hitch-system 402,- • Liquid manure scraper , working width 145 cm 397,- • Side brush ø 750 mm , 100% PP (for high-bed cubicles in cowhouses) • hydraulic adjustment via hydraulic cylinder, incl. tipping device 1.458,- • Side brush ø 850 mm , 100 % PP (for high-bed cubicles) 1.560,- • Quick-hitch adaptor for TRIO (allows a quick change of the various working tools) 219,-
1651	Slurry scraper	2 parts , V-shaped, max. width 1300 mm , height 350 mm, with double-lip, adjustable incl. quick-hitch 909,- • hydraulic angling of both scrapers (left and right) 216,- (not possible in combination with side brush) 9009 • Side brush for slurry scraper , 100 % PP, ø 750 mm, incl. hydraulic angling 1.114,-
2243	Rubber blade	Width 1600 mm , hydraulically adjustable (2 cylinder) 1.326,-
1631	Food turner	110 cm incl. quick-hitch, hydraulic capacity from 20 to 50 l/min max. at 160 bar
9009		Quick-hitch for TRIO 2.474,- • Concentrated feed distributor to add on food turner 1.183,- • Cover for distributor 214,-
9004		• Yard loader attachment incl. height compensation via parallelogram 895,-
1161	Road sweeper	Simplex 120 cm (see page 4)
9009		
1192	Snow blade	L-SK 125 cm (see page 15)
2009	Radial brush	ø 1200 mm , 100 % PP, incl. rubber curtain for swath sweeping and quick-hitch 1.523,-
9009		
1665	Weed brush	Ø 750 mm , Brush type: 100 % flat wire 1.278,- Brush type: flat wire bunches and flat steel 1.480,- Brush type: 2-rowed, flat wire bunches 1.447,- incl. hydraulic pivoting device (right / left) via two cylinders, 2 height-adjustable support wheels 150 x 50 mm, anti-clockwise/ clockwise rotation with mechanical inclination adjustment of the brush, variable rubber protection cloth
1685	High-dump bucket	width: 102 cm , volume: 210 l, hydraulic dumping 1.346,-

Packaging tool (net)

36,-

Our prices are ex works!



1675 Basic equipment / Specifications „MINI 2 M“

Basic machine incl.:

(width: 830 mm, height: 1260 mm, length: 1670 mm, weight 250 kg)

Ready for immediate operation, equipped with:

- Briggs & Stratton Series 950E, 1-cylinder air-cooled petrol engine
- E-Starter and reversing starter
- 4,9 kW (6,6 HP / 3600 rpm)
- Hydrostatic front wheel drive via V-belt
- Forward: 6,3 km/h, backwards: 5,5 km/h
- Parking brake operated via hand lever
- Mechanical steering via guiding linkage
- Turning radius 490 mm (inner)
- Three pneumatic tyres (field tyres)
- Guard bracket for rear wheel
- Mechanical lifting-device incl. quick-hitch
- Hour meter
- Splash-proof ignition lock

3.980,-

1675 Basic equipment / Specifications „MINI 2 H“

Basic machine incl.:

(width: 835 mm, height: 1260 mm, length: 1690 mm, weight: 280 kg)

As described above, but with:

- Honda GXV 340, 1-cylinder air-cooled petrol engine
- 6,6 kW (9 HP / 3600 rpm)
- Forward: 6,3 km/h, backwards: 5,5 km/h
- One double-acting hydraulic drive circuit
- Hydraulic lifting-device incl. quick-hitch
- Single-acting lifting unit in floating position for levelling
- Working hydraulic: 9,8 l/min at 180 bar
- 16,5 liters Hydraulic tank

5.810,-

1446 Tools

1675	Tyre fill with polyurethane (PU) , serves as a protection against flat tyres and for improved traction	118,- / pc.
	Slurry scraper 105 cm , V-shaped, wear-resistant PU-double-lips (polyurethane), ensure simple & easy cleaning of slatted floors, even in the narrowest space	450,-
	Slurry scraper 105 cm , (equipment as described above) incl. side brush Ø 600 mm , 100% PP, mounted on the slurry scraper, with hydraulically swiveling, height is mechanically adjustable	(only for H) 1.390,-
	Fodder push blade / snow blade 135 cm , right and left swiveling, incl. wear-resistant clearing lip to lay fodder and to clean the feed table simultaneously; applicable also for snow clearance	470,-
	Fodder push blade / snow blade 135 cm , (equipment as described above) incl. hydraulic angling	(only for H) 720,-
	Radial brush Ø 1050 mm , 100% PP, hydraulic, clockwise/anti-clockwise rotation	(only for H) 745,-
	• rubber curtain for radial brush	92,-
	Radial brush Ø 1050 mm , (equipment as described above) incl. deflector plate for a thorough cleaning of the feed alley	(only for H) 855,-
	Weed brush Ø 750 mm , Brush type: 100 % flat steel	(only for H) 945,-
	Brush type: flat wire bunches and flat steel incl. mechanical pivoting device (right / left), parking stand, anti-clockwise/ clockwise rotation with mechanical inclination adjustment of the brush, variable rubber protection cloth	(only for H) 1.146,-
	High-dump bucket , width: 87 cm, volume: 50 l, hydraulic dumping	(only for H) 672,-

Packaging Tichel-Trac MINI, for initial equipment only, for 3 tools max. (net)

56,-

Packaging Tools, for retrofitting only (net)

19,-/pc.

Our prices are ex works!



1432 FARM-CLEAN (Hand-guided working tool)

The Tichel "FARM-CLEAN"

disposes of a strong Honda GCV 160 gasoline engine of 5,5 HP / 4 KW, distinguishing itself by a great power and smooth run. The fully galvanized machine is driven by a powerful hydraulic aggregate with forward gear and reverse speed (rod steering / no Bowden wires). Because of the big field wheels (big ground clearance), the capacity given is carried over to the ground and thus can be utilized. Standard equipment of the basic machine includes a double-acting hydraulic circuit for the various tools (toolless mounting / dismantling)

1.879,-

- **Traction drive** up to 3,7 km/h, activation via rods and adjusting wheel (no Bowden cables)

371,-

- **Special tyres**, extra large field tyres 16 x 6.50 x 8 (ø 400 mm)

202,-

1441 Tools

Slurry scraper

100 cm, in V-shape, equipped as a double-lip scraper, incl. levelling, zinc-plated, incl. resistant diepothan-lips, ensures a simple and quick cleaning of slatted floors, even in narrow cow-houses

487,-

- **Side brush ø 600 mm**, 100 % PP, adjustable, incl. support wheel, to sweep high-bed cubicles
- adjustable by inclination iron

847,-

Fodder push blade

110 cm, angling right and left, incl. levelling, powder-coated, incl. wear-resistant clearing lip to distribute fodder and to clean the feed table simultaneously

476,-

Snow blade

95 cm / height 40 cm, angling right and left, incl. resistant clearing lip, levelling, powder-coated

378,-

Axial road sweeper

hydraulic drive, brush Ø 320 mm, 100 % PP, powder-coated, pivoting to the right and left, incl. levelling

- 75 cm
- 100 cm

808,-
1.035,-

Dirt collector

powder-coated, suits the axial sweeper, incl. clearing lip

- 75 cm
- 100 cm

248,-
402,-

Radial road sweeper

Ø 800 mm, 100 % PP, powder-coated, hydraulic drive, incl. right/left run

948,-

Weed brush

Ø 600 mm, 100 % flat steel, hydraulic drive, incl. right/left run

932,-

Packaging machine (net)

36,-

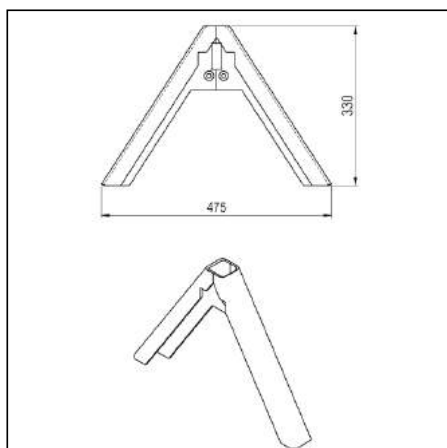
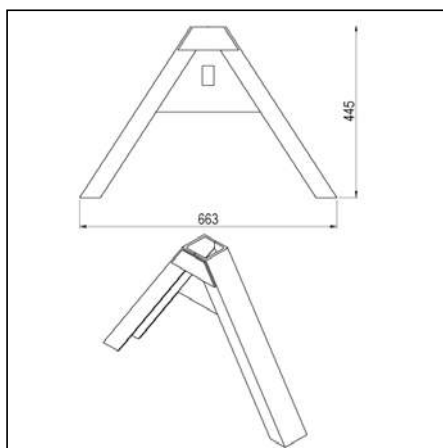
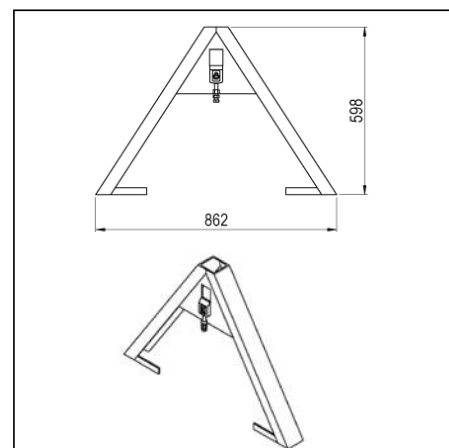
Packaging tool (net)

19,- / pc.

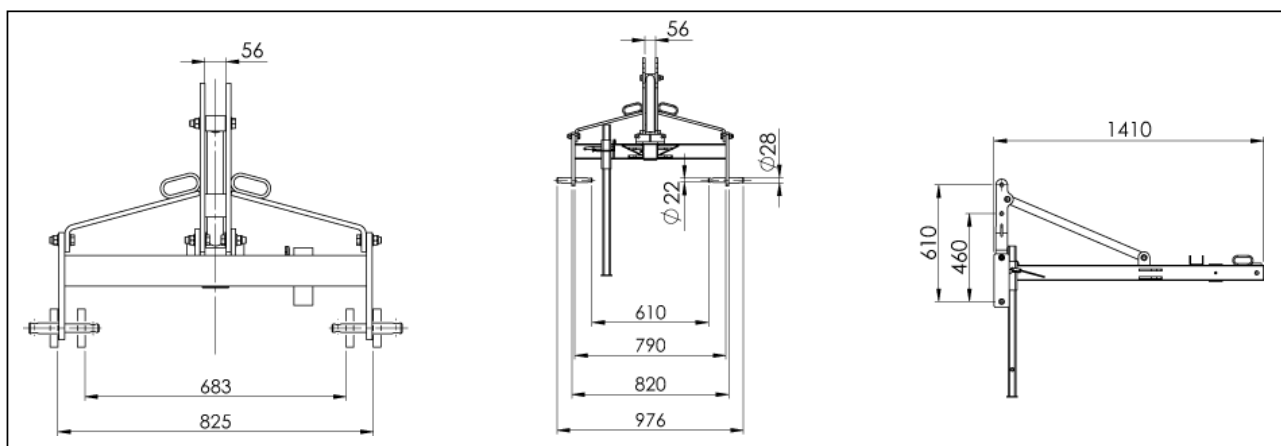
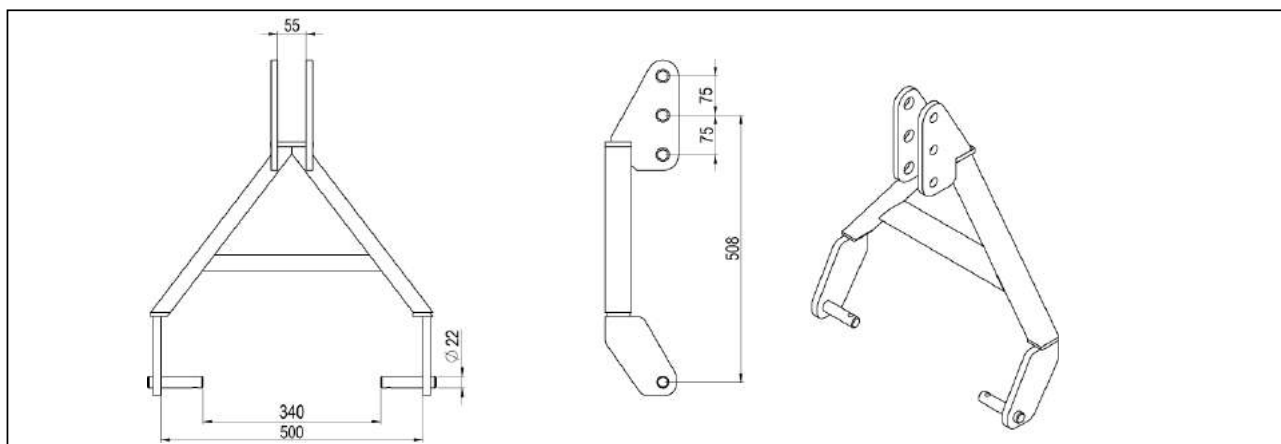
Our prices are ex works!

A-frame - acc. to ISO 11001-2

Special sizes on enquiry. Errors and omissions excepted.

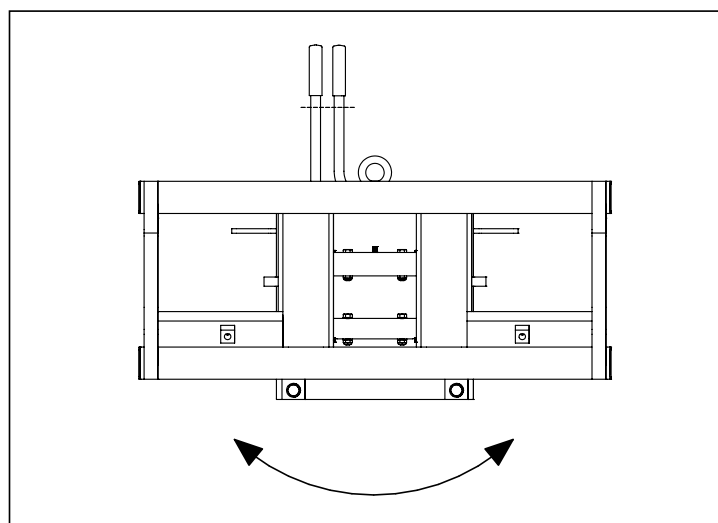
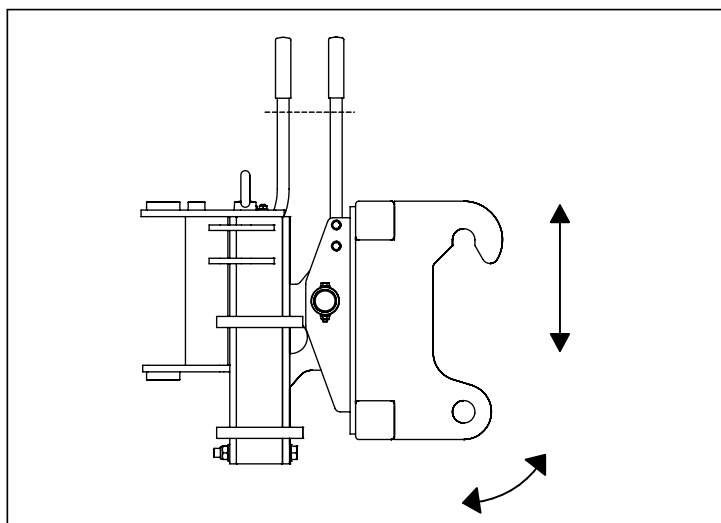
**A-frame: CAT Communal****A-frame: CAT 0****A-frame: CAT I****Three-point linkages** - acc. to DIN ISO 730-1

Special sizes on enquiry. Errors and omissions excepted.

**Three-point linkage: CAT I / II****Three-point linkage: CAT I N**

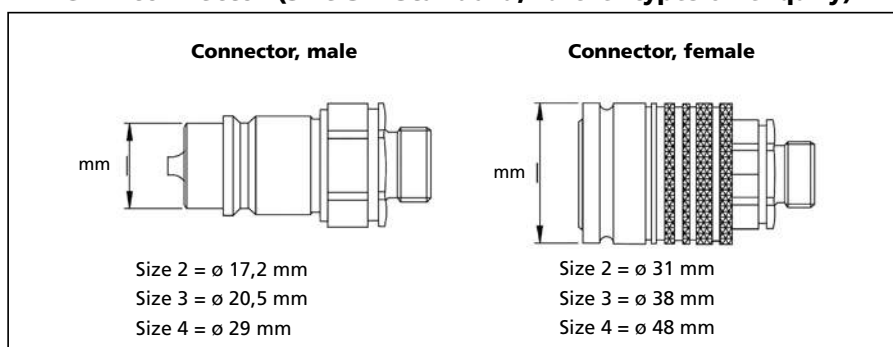
Mechanical type is similar!

3-D levelling

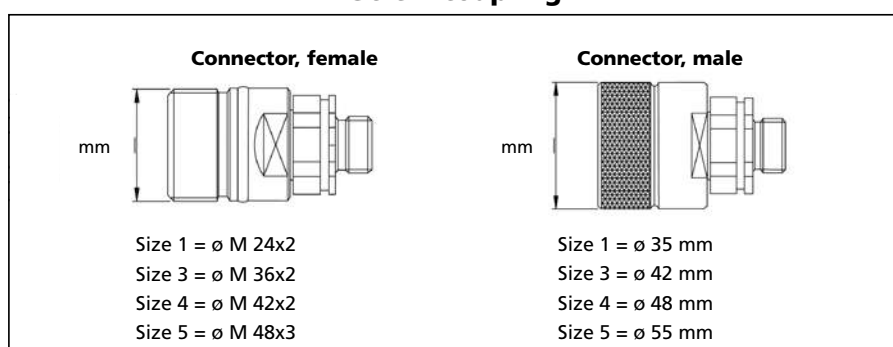


Hydraulic connectors - Type overview

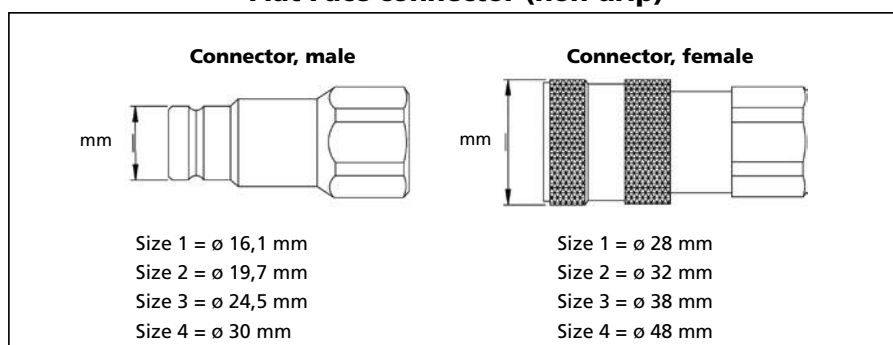
SVK-connector (size 3 = standard, further types on enquiry)



Screw coupling

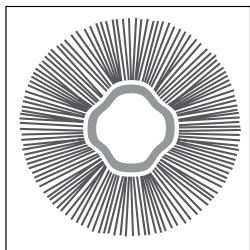


Flat-Face connector (non-drip)

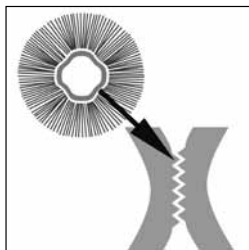


For hydraulic couplings in special size or larger than size 4 an additional price may be charged.

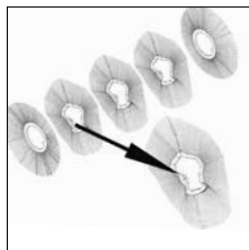
Brooms - Type overview



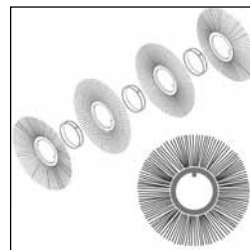
WaveLine



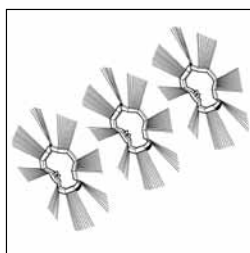
**WaveLine with
CrownLock system**



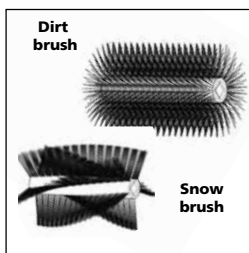
Beeline



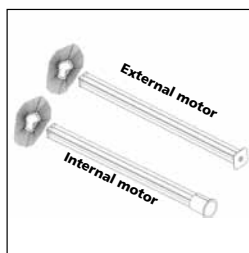
**PP or
PP / Wire**



Snowline



Brush segments

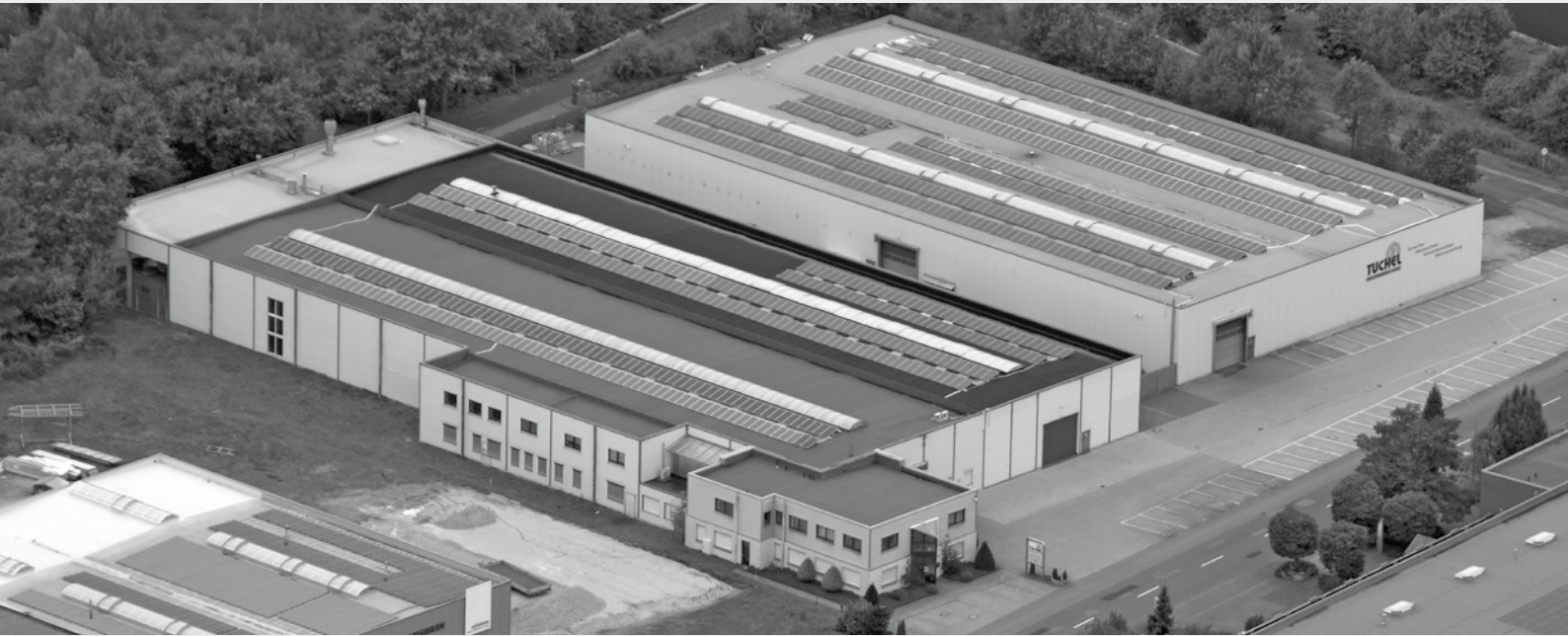


**Brush shaft for
brush elements**



**Brush shaft for
brush segment**

Quality „made in Germany“!



Again and again working machines and tools from TUCHEL set a new course in agriculture and construction business. In our modern manufacturing plant in Salzbergen our highly qualified personnel manufacture well over 3.000 machines per year. Our product range goes from road sweepers, snow blades and snow ploughs to hand-guided machinery and vehicles. Whether road sweepers, snow blades, hand-operated machines or multifunctional all-wheel-drive vehicles: Tuchel counts on quality and only uses high-quality components, such as eg. motors from Sauer Danfoss. That's another good reason for making Tuchel to your reliable business partner!

Ask for product info
now!



Tuchel Maschinenbau GmbH · Holsterfeld 15 · D-48499 Salzbergen

Phone: +49 (0) 59 71-96 75-0 · Fax: +49 (0) 59 71-96 75-30

E-Mail: export@tuchel.com · www.tuchel.com

*All former prices are no longer valid! We reserve the right to increase our prices acc. to raw material surcharge and toll! Measurements, weights and technical data are non-binding and prior to change.

Please note: Tuchel usually delivers their machinery with standard hydraulic connectors. Special hydraulic connectors on demand, only!

Please note: Wire bristles may loosen or break due to manufacture. In sensitive areas this can lead to injuries. We assume no liability therefore.