

Price List

2016-2017



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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
(80198)	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			
	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 segments (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		Type			
9002	A-frame CAT communal incl. levelling and pivoting part (<i>see page 24</i>)	MK	468,-	468,-	468,-
9002	A-frame CAT 0 incl. levelling and pivoting part (<i>see page 24</i>)	MK	623,-	623,-	623,-
9001	Three-point linkage CAT I / II incl. levelling and pivoting part (<i>see page 24</i>)	MD	567,-	567,-	567,-
9009	Quick-hitch for Tuchel-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,-
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1161 Options

Hydraulic emptying • 1 additional double-acting hydraulic drive circuit required	361,-	361,-	361,-
Hydraulic angling • one additional double-acting hydraulic drive circuit required - <i>cannot be coupled with further functions</i>	361,-	361,-	361,-
Hydraulic side brush ø 500 mm (only possible on the right) • incl. spring segment, speed adjustment, 100 % PP, 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)	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-
Our prices are ex works!			



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	Type			
9001	Three-point linkage CAT I / II incl. side levelling and pivoting part with pendulum compensation and screw-lip (<i>see page 24</i>)	MD	689,-	689,-	689,-
9002	A-frame CAT communal incl. side levelling and pivoting part with pendulum compensation and screw-lip (<i>see page 24</i>)	MK	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 24</i>)	MK	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	HU	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	HH	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	Type			
	Hydraulic angling <ul style="list-style-type: none"> 1 additional 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,-
	Hydraulic side brush ø 600 mm (only possible on the right) <ul style="list-style-type: none"> incl. spring segment, speed adjustment, 100 % PP, 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 <ul style="list-style-type: none"> 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) 		1.427,-	1.427,-	1.427,-
	Water-spray system <ul style="list-style-type: none"> without water tank incl. intermitting pump and switch board 		705,-	705,-	705,-
	3rd support wheel <ul style="list-style-type: none"> for simple sweeping road sweeper, height adjustable, ø 200 x 50 mm 		227,-	227,-	227,-
	Extra strong wheels <ul style="list-style-type: none"> for hard working conditions and very uneven surfaces, ø 200 x 50 mm, steel-welded 	for HH+HU incl.	106,- / pc.	106,- / pc.	106,- / pc.
	Splash guard <ul style="list-style-type: none"> for the winter service, extra long, adjustable 		200,-	200,-	200,-
	Side-marker lamps <ul style="list-style-type: none"> prescribed to drive on public roads 	(price for 2 pcs.)	230,-	230,-	230,-
	Colour option <ul style="list-style-type: none"> acc. to RAL (RAL 2004 = standard) 		234,-	234,-	234,-

	Packaging (net)	33,-	33,-	33,-
	Our prices are ex works!			



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	1.393,-	1.422,-	1.473,-	1.912,-
Brush ø 520 mm, 50 % PP, 50 % wire brush segments (not to be used for agriculture)	86,-	95,-	108,-	122,-
Brush ø 520 mm, 100 % PP snow brush, for the winter service	68,-	76,-	85,-	96,-
Brush ø 520 mm, 100 % PP-Beeline 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)	141,-	153,-	166,-	178,-

Attachment systems	Type				
9001 Three-point linkage CAT I / II, unflexible attachment (<i>see page 24</i>)	HD	387,-	387,-	387,-	387,-
9001 Three-point linkage CAT I / II for PTO-drive (<i>see page 24</i>)	MD	433,-	433,-	433,-	-----
9004 Yard loader attachment system / front loader plate, pivoting part with parallelogram and pendulum compensation, incl. height indicator	HH	885,-	885,-	885,-	-----
9005 Fork-tine attachment 140 x 65 mm , pivoting part incl. parallelogram and height indicator	HG	798,-	798,-	798,-	-----
9005 Extra charge for bigger fork-tines (165 x 85 mm)		162,-	162,-	162,-	-----
9002 A-frame CAT communal / 0 / I, pivoting part incl. pendulum compensation and screw-lip (<i>see page 24</i>)	HK	703,-	703,-	703,-	-----
1352 Side levelling		197,-	197,-	197,-	197,-

1352 Dirt collection equipment

Hopper , mechanical emptying (without PU-lip)	401,-	419,-	447,-	500,-
PU-lip (polyurethane) in order to avoid that little stones slip onto public roads; reduces considerably dust development and avoids scraping on road carpets	74,-	88,-	111,-	126,-

1352 Options

Hydraulic emptying (one double-acting hydraulic drive circuit required)	425,-	425,-	425,-	425,-
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>)	349,-	349,-	349,-	349,-
Hydraulic angling (1 additional double-acting hydraulic drive circuit required)	425,-	425,-	425,-	425,-
PTO-drive , Additional charge, only with Three-point linkage (front mounting on enquiry)	665,-	665,-	665,-	—
80198 PTO-shaft	258,-	258,-	258,-	—
Hydraulic side brush , ø 600 mm, incl. spring segment and shut-off cock, 100% PP - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper	986,-	986,-	986,-	986,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-
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 diameter 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						
	2.011,-	2.104,-	2.227,-	2.349,-	2.579,-	3.266,-
internal motor	490,-	490,-	490,-	490,-	490,-	490,-
Splash guard for simple sweeping application, extra long (380 mm) incl. splash protection flap	240,-	240,-	255,-	255,-	265,-	298,-
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	91,-	91,-	131,-	131,-	170,-	170,-
Brush ø 590 mm, 100 % Snowline brush rings in honey-comb shape, for the winter service	45,-	45,-	65,-	65,-	85,-	85,-

Attachment systems	Type						
Three-point linkage CAT I/II unflexible attachment (<i>see page 24</i>)	HD	387,-	387,-	387,-	387,-	387,-	387,-
Joint bearing for an optimum bottom conformity (Three-point linkage, front mounting)		120,-	120,-	120,-	120,-	120,-	120,-
A-frame CAT Communal / 0 / I, incl. pivoting part with pendulum adaptor and screw-lip (<i>see page 24</i>)	HK	710,-	710,-	710,-	710,-	710,-	710,-
Yard loader attachment / front-loader plate incl. pivoting part with parallelogram, pendulum compensation, incl. height indicator	HH	885,-	885,-	885,-	885,-	885,-	885,-
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 25</i>)	HS	1.484,-	1.484,-	1.484,-	1.484,-	1.484,-	1.484,-
Fork-tine system, 150 x 60 mm pivoting part with parallelogram and height indicator; incl. quick-locking device	HG	820,-	820,-	820,-	820,-	820,-	820,-
Fork-tine 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	HS	1.350,-	1.350,-	1.350,-	1.350,-	1.350,-	1.350,-
Extra charge for bigger fork-tines (200 x 100 mm)		162,-	162,-	162,-	162,-	162,-	162,-
Attachment system for municipal utility vehicles (Multicar, ...), pivoting part with pendulum adaptor and screw-lip, incl. side levelling	HU	1.349,-	1.349,-	1.349,-	1.349,-	1.349,-	1.349,-
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	HU	-----	-----	-----	2.650,-	2.650,-	2.650,-
Side levelling		197,-	197,-	197,-	197,-	197,-	197,-

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	1.140,-	1.162,-	1.184,-	1.208,-	1.229,-	1.265,-
High-fill flap inside the hopper, fill capacity approx. +30 %	69,-	69,-	98,-	98,-	98,-	163,-

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)	349,-	349,-	349,-	349,-	349,-	349,-
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.	606,- 994,-	606,- 994,-	606,- 994,-	606,- 994,-	606,- 994,-	606,- 994,-
Hydraulic angling (1 additional double-acting hydraulic drive circuit required)	442,-	442,-	442,-	442,-	442,-	442,-
Electro-magnetic commutator 12/24 V, (for vehicles with only one double-acting hydraulic drive circuit)	665,-	665,-	665,-	665,-	665,-	665,-
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	1.200,- ----- 769,-	1.200,- 1.385,- 769,-	1.200,- 1.385,- 769,-	1.200,- 1.385,- 769,-	1.200,- 1.385,- 769,-	1.200,- 1.385,- 769,-
Side brush ø 600 mm incl. spring segment, speed adjustment, shut-off cock and snap closing, 100% PP, - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper	1.038,-	1.038,-	1.038,-	1.038,-	1.038,-	1.038,-
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.)	230,-	230,-	230,-	230,-	230,-	230,-
Signal flag holders and Signal flags (price for 2 pcs.)	90,-	90,-	90,-	90,-	90,-	90,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-	33,-	33,-
Our prices are ex works!						



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 diameter 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		3.475,-	3.600,-	4.322,-	5.336,-
Splash guard for simple sweeping application, extra long (380 mm) incl. splash protection flap		252,-	272,-	282,-	292,-
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		150,-	160,-	170,-	180,-
Brush ø 660 mm, 100 % Snowline brush rings in honey-comb shape, for the winter service		75,-	85,-	95,-	105,-

1552 Attachment systems

Type

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 25)</i>	HS	1.649,-	1.649,-	1.649,-	1.649,-
Fork-tine 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	HG	1.591,-	1.591,-	1.591,-	1.591,-
Surcharge for bigger fork-tines (200 x 100 mm)		162,-	162,-	162,-	162,-
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 24)</i>	HD	1.432,-	1.432,-	1.432,-	1.432,-
A-frame CAT I, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 24)</i>	HK	1.311,-	1.311,-	1.311,-	1.311,-
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	HU	2.675,-	2.675,-	2.675,-	2.675,-

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		1.388,-	1.425,-	1.486,-	1.512,-
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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		606,- 994,-	606,- 994,-	606,- 994,-	606,- 994,-
Hydraulic angling (1 additional double-acting hydraulic drive circuit required)		421,-	421,-	421,-	421,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)		665,-	665,-	665,-	665,-
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		1.385,- 769,-	1.385,- 769,-	1.385,- 769,-	1.385,- 769,-
Side brush ø 600 mm , incl. spring element, speed regulation, shut-off cock and snap closing, brush 50% PP / 50% flat steel (further material combinations on enquiry) - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with hopper		1.132,-	1.132,-	1.132,-	1.132,-
Surcharge: hydraulic side brush with hydraulic lowering (1 additional double-acting hydraulic drive circuit required)		452,-	452,-	452,-	452,-
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		530,-	530,-	530,-	530,-
Extra strong wheels ø 250 x 80 mm, for hard work and for very uneven ground		128,-/pc.	128,-/pc.	128,-/pc.	128,-/pc.
Side-marker lamps (LED); prescribed to drive on public roads (road traffic act)	(price for 2 pcs.)	230,-	230,-	230,-	230,-
Signal flag holders and signal flags	(price for 2 pcs.)	90,-	90,-	90,-	90,-
Colour option acc. to RAL (RAL 2004 = standard)		234,-	234,-	234,-	234,-
Packaging (net)		33,-	33,-	33,-	33,-
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

Type

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 25)</i>	HS	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	HG	2.281,-	2.281,-
Surcharge for bigger fork-tines (200 x 100 mm)		162,-	162,-
Three-point attachment CAT I/II, 3-D floating system w/roller guide, pendulum adapter and height indicator (shows mid-position in levelling) <i>(see page 24)</i>	HD	1.785,-	1.785,-
Three-point attachment CAT I/II, unflexible attachment, mounted on a slewing ring <i>(see page 24)</i>	HD	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 24)</i>	HK	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 	HU	2.775,-	2.775,-

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 attachment:		
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) 	606,- 994,-	606,- 994,-
Hydraulic angling (1 additional double-acting hydraulic drive circuit required)	421,-	421,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)	665,-	665,-
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 	1.385,- 2.235,- 769,-	1.385,- 2.235,- 769,-
Hydraulic side brush , ø 750 mm, incl. spring segment, speed adjustment, shut-off cock and quick-locking system, 50% PP / 50% wire <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: hydraulic side brush with hydraulic lowering (1 additional double-acting hydraulic drive circuit required)	452,-	452,-
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.) 230,-	230,-
Signal flag holders and signal flags	(price for 2 pcs.) 90,-	90,-
Colour option acc. to RAL (RAL 2004 = standard)	380,-	380,-
Packaging (net)	56,-	56,-
Our prices are ex works!		



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		9.444,-	10.229,-	11.317,-	12.404,-
Brush ø 800 mm, 50 % PP / 50 % wire brush rings		243,-	271,-	308,-	346,-

Attachment systems		Type				
9018	Wheel loader-/ telehandler attachment (quick-hitch) incl. levelling and height indicator (shows mid-position in levelling) <i>(see page 25)</i>	HS	2.217,-	2.217,-	2.217,-	2.217,-
9018	Three-point linkage CAT I / II incl. levelling and height indicator (shows mid-position in levelling); <i>(see page 24)</i>	HD	1.665,-	1.665,-	1.665,-	1.665,-

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)	3.680,-	4.107,-	4.531,-	4.957,-
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1581 Options

Hydraulic angling via 2 cylinders (1 additional double-acting hydraulic drive circuit required)	1.285,-	1.285,-	1.285,-	1.285,-
Electro-magnetic commutator 12/24 V, (for vehicles with only one double-acting hydraulic drive circuit)	665,-	665,-	665,-	665,-
Water-spray system incl. 2 x 12/24 V intermitting-pump and 2 x 200 l tank, switch board, spray-lip in the rear (Side brush, if ordered, will be with water kit, too)	2.235,-	2.235,-	2.235,-	2.235,-
Hydraulic side brush ø 850 mm, incl. spring segment, speed adjustment and shut-off device, 50 % PP / 50 % wire - can be coupled with hydraulic emptying and / or hydraulic drive - only possible in combination with the hopper	2.105,-	2.105,-	2.105,-	2.105,-
Surcharge: hydraulic side brush with hydraulic lowering (1 additional double-acting hydraulic drive circuit required)	452,-	452,-	452,-	452,-
3rd and 4th support wheel for simple sweeping, only brand-named wheels Ø 410 x 145 mm	1.821,-	1.821,-	1.821,-	1.821,-
Side-marker lamps (LED); prescribed to drive on public roads (price for 2 pcs.)	230,-	230,-	230,-	230,-
Colour option acc. to RAL (RAL 2004 = standard)	450,-	450,-	450,-	450,-

Packaging (net)	66,-	66,-	66,-	66,-
Our prices are ex works!				



1781 BIG road sweeper

	120 cm	150 cm	180 cm	210 cm
Bucket sweeper incl.: compact loader/-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, 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 PN 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 	—	1.200,-	1.200,-	1.200,-
	—	—	—	1.385,-
Electro-magnetic commutator 12/24 V (for vehicles with only one double-acting hydraulic drive circuit)	665,-	665,-	665,-	665,-
Water-spray system incl. water tank, 12 V intermitting-pump and switch board <ul style="list-style-type: none"> • 100 liters • 200 liters 	1.200,-	1.200,-	1.200,-	1.200,-
	—	—	1.385,-	1.385,-
Water-spray system for side brush	85,-	85,-	85,-	85,-
Hydraulic side brush ø 600 mm, incl. spring segment, mixed brush 50 % PP / 50 % wire - 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)	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-
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		Type				
9005	Fork-tine system 150 x 70 mm , incl. 3-D levelling and quick-locking system	HG	744,-	744,-	744,-	744,-
9005	Extra charge for bigger fork-tines (210 x 110 mm)		191,-	191,-	191,-	191,-
9012	Combined fork-tine / wheel loader attachment (quick-hitch) incl. 3-D levelling	HS	1.384,-	1.384,-	1.384,-	1.384,-
9029	Combined three-point linkage / fork-tine 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			1.200,-	1.200,-	1.200,-
• 200 l tank			1.385,-	1.385,-	1.385,-
Side brush ø 750 mm, 100% PP, with shut-off cock					
- can be coupled with hydraulic emptying and / or hydraulic drive			1.285,-	1.285,-	1.285,-
Extra stable wheels ø 250 x 80 mm, for hard working conditions and uneven surfaces			128,-/pc.	128,-/pc.	128,-/pc.
Side-marker lamps (LED); prescribed to drive on public roads		(price for 2 pcs.)	230,-	230,-	230,-
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			606,-	606,-	606,-
Colour option acc. to RAL (RAL 2004 = standard)			234,-	234,-	234,-

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)		33,-	33,-	33,-	33,-
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-tine attachment, safety chain, parking stands	1.299,-	1.572,-	1.850,-	2.191,-

1101 Attachment systems

Three-point linkage CAT I / II, A-frame CAT I, <i>(see page 24)</i> or hitch system for buckets	397,-	397,-	397,-	397,-
Yard-loader / Front loader attachment system (up to 0,4 m³)	852,-	852,-	852,-	852,-
Extra charge for bigger fork-tine pockets , screwed (200 x 100)	162,-	162,-	162,-	162,-

1101 Options

Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-
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Packaging (net)	23,-	23,-	33,-	33,-
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 500 mm	947,-	1.068,-	1.188,-

1192 Attachment systems

A-frame CAT Communal / 0 (see page 24) incl. pivoting part with screw-lip • and levelling	494,- 685,-	494,- 685,-	494,- 685,-
Three-point linkage CAT I / II (see page 24) incl. pivoting part with screw-lip • and levelling	622,- 813,-	622,- 813,-	622,- 813,-
Fork-tine attachment, 150 x 50 mm incl. pivoting part with screw-lip • and levelling	621,- 812,-	621,- 812,-	621,- 812,-
Attachment system for Tichel-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 (1 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.)	230,-	230,-	230,-
Signal flag holders (price for 2 pcs.)	60,-	60,-	60,-
Signal flags (price for 2 pcs.)	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-
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 700 mm	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 24</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
A-frame CAT Communal / 0 (<i>see page 24</i>); incl. pivoting part with screw-lip and levelling	802,-	802,-	802,-	802,-
A-frame CAT I (<i>see page 24</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
Fork-tine 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. 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 (1 double-acting hydraulic drive circuit required)	511,-	511,-	511,-	511,-
Hydraulic angling with pressure control valve (1 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.)	230,-	230,-	230,-	230,-
Signal flag holders (price for 2 pcs.)	60,-	60,-	60,-	60,-
Signal flags (price for 2 pcs.)	30,-	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-
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 700 mm	1.537,-	1.695,-	1.868,-	2.197,-
• communal lip (highly wear resistant rubber lip with corundum inlay), blade height 750 mm	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 24</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
A-frame CAT Communal / 0 (<i>see page 24</i>); incl. pivoting part with screw-lip and levelling	802,-	802,-	802,-	802,-
A-frame CAT I (<i>see page 24</i>); incl. pivoting part with screw-lip and levelling	837,-	837,-	837,-	837,-
Fork-tine 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 (1 double-acting hydraulic drive circuit required)	511,-	511,-	511,-	511,-
Hydraulic angling with pressure control valve (1 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.)	230,-	230,-	230,-	230,-
Signal flag holders (price for 2 pcs.)	60,-	60,-	60,-	60,-
Signal flags (price for 2 pcs.)	30,-	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-
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 820 mm	2.536,-	2.659,-	2.825,-	3.013,-	3.324,-
• communal lip (highly wear resistant rubber lip with corundum inlay), blade height 870 mm	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					
	2.383,-	2.383,-	2.383,-	2.383,-	2.383,-
Three-point linkage CAT I (see page 24) incl. pivoting part • incl. screw-lip for unflexible attachment • incl. levelling • incl. roller-floating tunnel (2-D levelling) and height indicator					
	1.034,-	1.034,-	1.034,-	1.034,-	1.034,-
	1.662,-	1.662,-	1.662,-	1.662,-	1.662,-
	1.464,-	1.464,-	1.464,-	1.464,-	1.464,-
A-frame CAT I (see page 24) incl. pivoting part • incl. screw-lip for unflexible attachment • incl. levelling • incl. roller-floating tunnel (2-D levelling) and height indicator					
	962,-	962,-	962,-	962,-	962,-
	1.590,-	1.590,-	1.590,-	1.590,-	1.590,-
	1.403,-	1.403,-	1.403,-	1.403,-	1.403,-
Fork-tine attachment 150 x 50 mm; incl. pivoting part with screw-lip for unflexible attachment • incl. levelling					
	970,-	970,-	970,-	970,-	970,-
	1.598,-	1.598,-	1.598,-	1.598,-	1.598,-
Surcharge for bigger fork-tines (200 x 100 mm)	162,-	162,-	162,-	162,-	162,-

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.)	230,-	230,-	230,-	230,-	230,-
Signal flag holders (price for 2 pcs.)	60,-	60,-	60,-	60,-	60,-
Signal flags (price for 2 pcs.)	30,-	30,-	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-	33,-
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 1030 mm	3.306,-	3.494,-	3.863,-	4.099,-	4.286,-
• Communal lip (highly resistant rubber wear lip incl. corundum inlay) blade height 1080 mm	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)	1.561,-	1.561,-	1.561,-	1.561,-	1.561,-
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	2.371,-	2.371,-	2.371,-	2.371,-	2.371,-
Three-point linkage CAT I / II (see page 24) incl. pivoting part					
• incl. screw-lip for unflexible attachment	1.029,-	1.029,-	1.029,-	1.029,-	1.029,-
• incl. levelling	1.653,-	1.653,-	1.653,-	1.653,-	1.653,-
• incl. roller-floating tunnel and height indicator	1.456,-	1.456,-	1.456,-	1.456,-	1.456,-
A-frame CAT I (see page 24) incl. pivoting part					
• incl. screw-lip for unflexible attachment	958,-	958,-	958,-	958,-	958,-
• incl. levelling	1.582,-	1.582,-	1.582,-	1.582,-	1.582,-
• incl. roller-floating tunnel and height indicator	1.396,-	1.396,-	1.396,-	1.396,-	1.396,-
Fork-tine attachment 150 x 50 mm; incl. pivoting part with screw-lip for unflexible attachment					
• incl. levelling	966,-	966,-	966,-	966,-	966,-
	1.590,-	1.590,-	1.590,-	1.590,-	1.590,-
Surcharge for bigger fork-tines (200 x 100 mm)	162,-	162,-	162,-	162,-	162,-

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, recommended from a working width of 250 cm (1 double-acting hydraulic drive circuit required)	958,-	958,-	958,-	958,-	958,-
Pressure retention valve (surcharge)	285,-	285,-	285,-	285,-	285,-
Skids (price for 2 pcs.)	851,-	851,-	851,-	851,-	851,-
Heavy-duty wheels (CSE) Ø 310 x 105 mm (price for 2 pcs.)	664,-	664,-	664,-	664,-	664,-
Snow guide cloth (for a good visibility for the driver)	482,-	497,-	515,-	529,-	539,-
Side-marker lamps (LED); prescribed to drive on public roads (price for 2 pcs.)	230,-	230,-	230,-	230,-	230,-
Signal flag holders (price for 2 pcs.)	60,-	60,-	60,-	60,-	60,-
Signal flags (price for 2 pcs.)	30,-	30,-	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)	234,-	234,-	234,-	234,-	234,-

Packaging (net)	33,-	33,-	33,-	33,-	33,-
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 blade, 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 24); incl. pivoting part <ul style="list-style-type: none"> 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 24); incl. pivoting part <ul style="list-style-type: none"> 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-tine attachment, 150 x 50 mm <ul style="list-style-type: none"> 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)						
	162,-	162,-	162,-	162,-	162,-	162,-
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) <ul style="list-style-type: none"> 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 : <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 						
	—	—	2.383,-	2.383,-	2.383,-	2.383,-

1322 Options

Perfect control ; blades adjustable in straight position right / left, respectively from Y- to V-shape in one operation						
	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						
	665,-	665,-	665,-	665,-	665,-	665,-
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 ø 310 x 105 mm	(price for 2 pcs.)	246,-	246,-	246,-	664,-	664,-
Side-marker lamps (LED); prescribed for driving on public roads	(price for 2 pcs.)	230,-	230,-	230,-	230,-	230,-
Signal flag holders	(price for 2 pcs.)	60,-	60,-	60,-	60,-	60,-
Signal flags	(price for 2 pcs.)	30,-	30,-	30,-	30,-	30,-
Colour option acc. to RAL (RAL 2004 = standard)		234,-	234,-	234,-	234,-	234,-
Packaging (net)		33,-	33,-	33,-	33,-	33,-
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
- Double drive speed
- Forward / backwards
- Hydraulic all-wheel drive
- **Hydraulic steering**
- **Quick-hitch system** on the carrier-vehicle side for tools

Total price

12.431,-

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/min

Total price

13.315,-

1601 Special equipment

Tyres for grassed areas, in order to avoid damage done to the green

342,-

1601 Optional equipment

Rear weights 60 kg, screwed	425,-
Rollbar	901,-
Weather protection roof , transparent (delivery in combination with rollbar bar, only)	322,-
Towing device (tow coupling with ball head)	223,-
Working light , front or rear	279,-
Working lights , front and rear	397,-
Tyre fill - with magnesium chloride to weight the vehicle - with polyurethane (PU), serves as a protection against flat tyres	99,-/pc. 172,-/pc.
Motor preheating system , 230 V	288,-
Colour option , acc. to RAL (RAL 2004 = standard)	466,-

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

53,-

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, 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) (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 (2 double-acting control circuits required) • Quick-hitch for Trio (manual fill): unflexible and direct mounting on the Trio • Cover plate to protect the bedding material against humidity (also suitable for top frames for basic container) • Slurry scraper , working width 1450 mm • Side brush ø 750 mm , 100% PP (for high-bed cubicles in cowhouses) • hydraulic adjustment via hydraulic cylinder (2 double-acting control circuits required), incl. tilting-device • Side brush ø 850 mm , 100% PP (for high bed cubicles) • Container extension (to increase fill capacity) • + 170 liters (total capacity 620 liters) for <u>light</u> material • + 375 liters (total capacity 825 liters) for <u>light</u> material (restricted visibility for the operator) • Quick-hitch adaptor for TRIO (recommended for heavy bedding material: tyres with PU-fill - see page 20)	4.779,- 1.041,- 394,- 388,- 389,- 1.339,- 1.439,- 148,- 217,- 215,-
1623	Bedding tool „F“ (incl. manual fill)	Basic container 160 liters, incl. worm conveyor with hydraulic drive (32 ccm engine), worm conveyor and conveyor band incl. infinitely variable speed adjustment (for a more precise regulation of the spreading portion) Extra charge TRIO hitch-system • Liquid manure scraper , working width 1450 mm • Side brush ø 750 mm , 100% PP (for high-bed cubicles in cowhouses) • hydraulic adjustment via hydraulic cylinder (2 double-acting control circuits required) • Side brush ø 850 mm , 100 % PP (for high-bed cubicles) • Quick-hitch adaptor for TRIO (allows a quick change of the various working tools)	4.800,- 394,- 389,- 1.429,- 1.529,- 215,-
1651 9009	Slurry scraper	2 parts , V-shaped, max. width 1300 mm , height 350 mm, with double-lip, adjustable incl. quick-hitch • hydraulic angling of both scrapers (<i>not possible in combination with side brush</i>) • Side brush for slurry scraper, 100 % PP, ø 750 mm, incl. hydraulic angling (2 double-acting control circuits required)	891,- 212,- 1.092,-
2243	Rubber blade	Width 1600 mm , hydraulically adjustable (2 cylinder)	1.300,-
1631 9009	Food turner	1100 mm, incl. quick-hitch, hydraulic capacity from 20 to 50 l/min max. at 160 bar Quick-hitch for Trio • Concentrated feed distributor to add on food turner • Cover for distributor	2.425,- 1.160,- 210,-
9004		• Yard loader attachment incl. height compensation via parallelogram	877,-
1161 9009	Road sweeper Simplex 120 cm		(see page 4)
1192	Snow blade L-SK 125		(see page 14)
2009 9009	Radial road sweeper ø 120 cm	100 % PP, incl. guide metal sheet for swath sweeping and quick-hitch	1.493,-
1661 9009	Rotary- / mulching mower	100 cm, incl. quick-hitch • Mower blade set FSML 100	2.307,- 100,-

Packaging tool (net)

33,-

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 225 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 steering rod
- 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)

- Honda GXV 340, 1-cylinder air-cooled petrol engine
- E-Starter and reversing starter
- 6,6 kW (9 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 steering rod
- Turning radius 490 mm (inner)
- Three pneumatic tyres (field tyres)
- Guard bracket for rear wheel
- 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
- Hour meter
- Splash-proof ignition lock

5.810,-

1446 Tools

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)

on enquiry

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 lateral adjustment**

(only for H)

720,-

Radial brush 105 cm, 100% PP, hydraulic, clockwise/anti-clockwise rotation

(only for H)

745,-

Radial brush 105 cm, (equipment as described above) **incl. deflector plate** for a thorough cleaning of the feed alley

(only for H)

855,-

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

53,-

Packaging Tools, for retrofitting only (net)

16,-/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)

1.842,-

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

364,-

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

198,-

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

477,-

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

- adjustable by inclination iron

830,-

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

467,-

Snow blade

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

371,-

Axial road sweeper

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

- 75 cm
- 100 cm

792,-
1.015,-

Dirt collector

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

- 75 cm
- 100 cm

243,-
394,-

Radial road sweeper

Ø 80 cm, 100 % PP, powder-coated, hydraulic drive, incl. right/left run

929,-

Weed brush

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

914,-

Packaging machine (net)

33,-

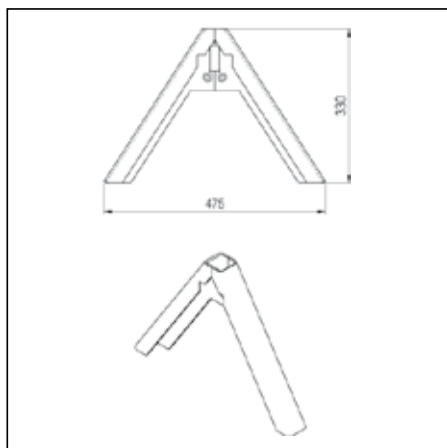
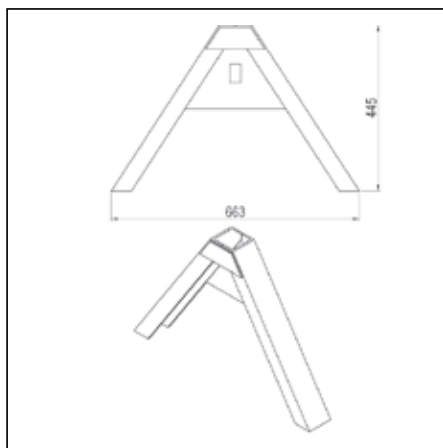
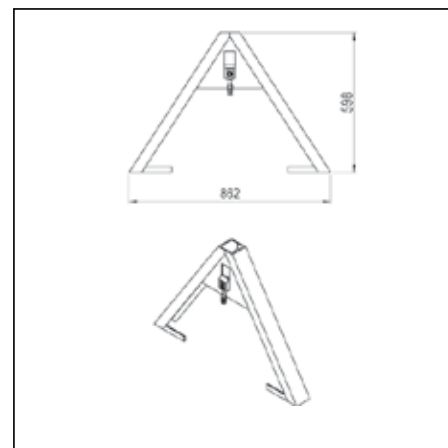
Packaging tool (net)

16,-/pc.

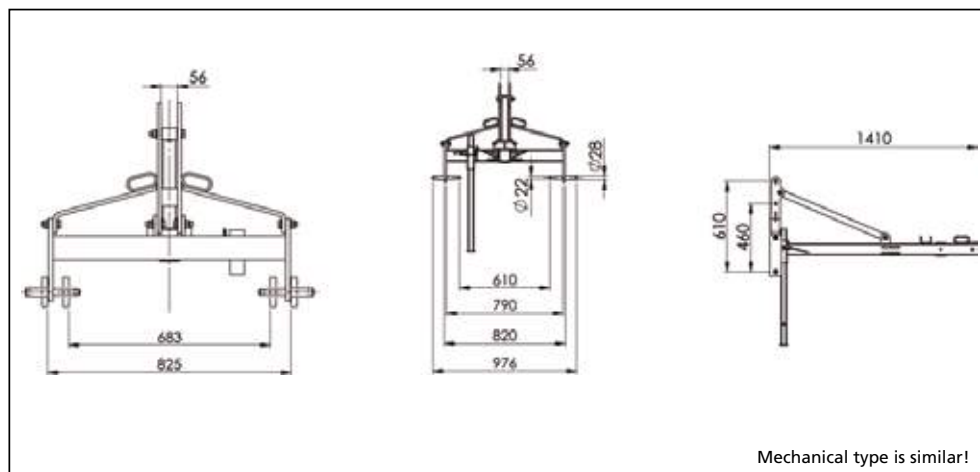
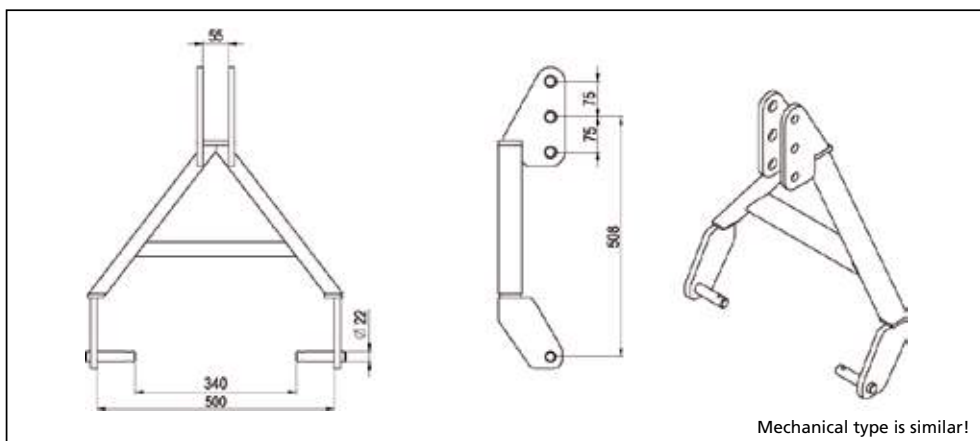
Our prices are ex works!

A-frame - acc. to ISO 11001-2

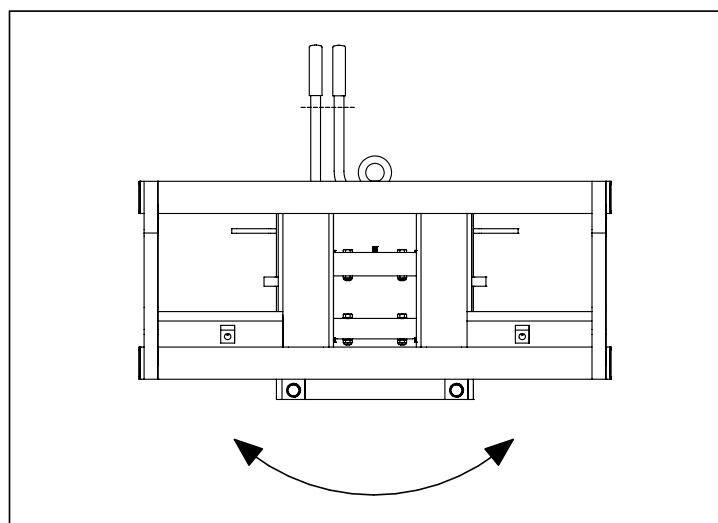
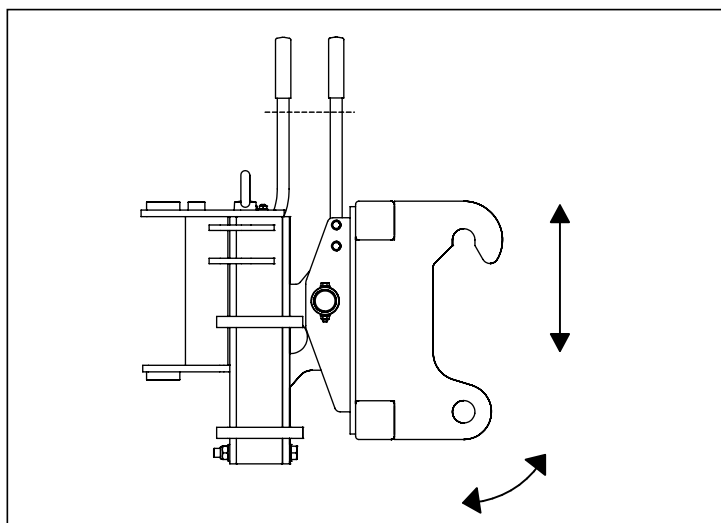
Special sizes on enquiry. Errors and omissions excepted.

**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

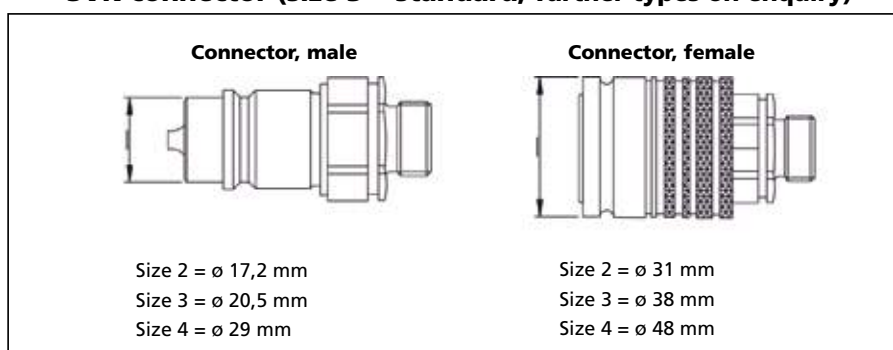
**Three-point linkage: CAT I / II****Three-point linkage: CAT I N**

3-D levelling

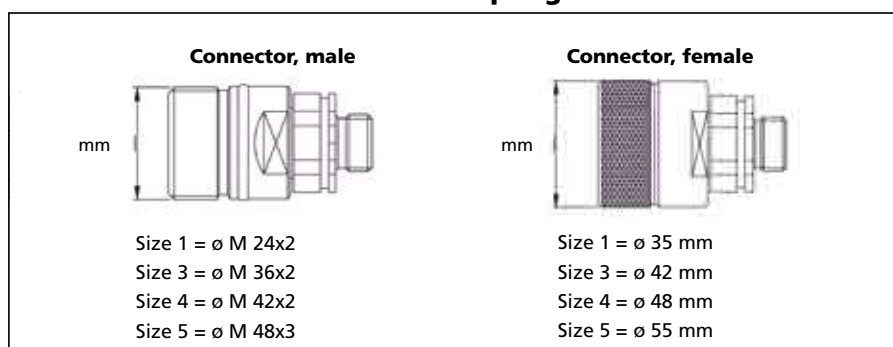


Hydraulic connectors - Type overview

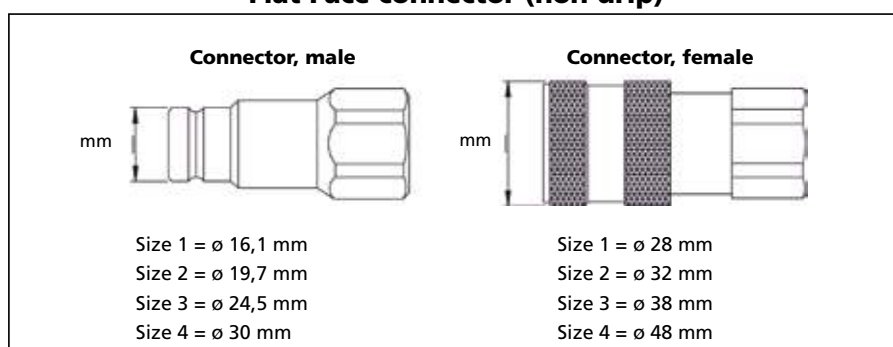
SVK-connector (size 3 = standard, further types on enquiry)



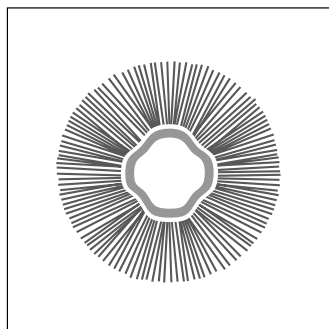
Screw coupling



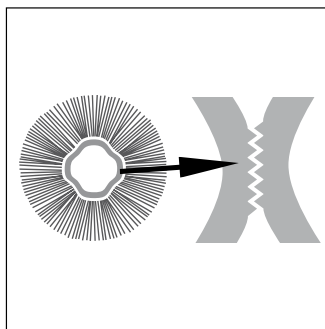
Flat-Face connector (non-drip)



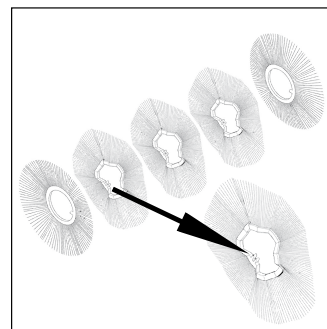
Brooms - Type overview



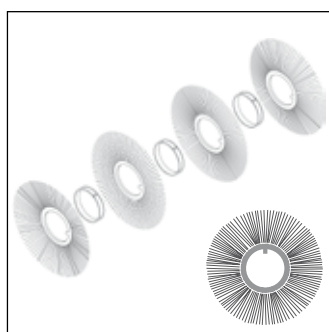
WaveLine



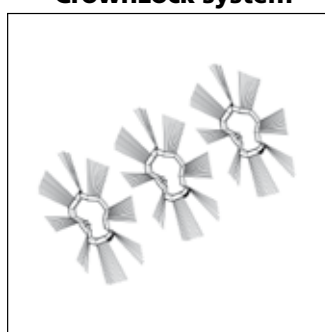
**WaveLine with
CrownLock system**



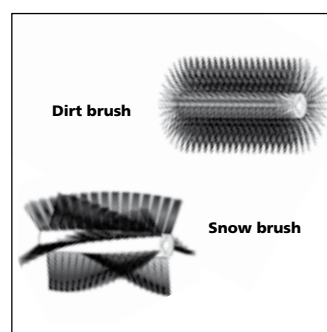
Beeline



PP or PP / Wire

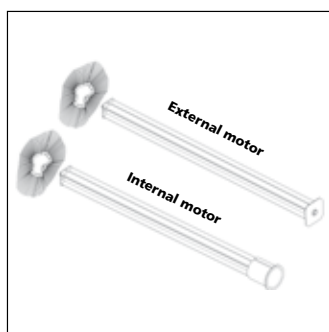


Snowline



Brush segments

Brush shafts - Product type overview



**Brush shaft for brush
elements**



**Brush shaft for brush
segments**

Abbreviations

HD	Hydraulic drive, three-point linkage
HK	Hydraulic drive, A-frame
HH	Hydraulic drive, yard loader attachment
HS	Hydraulic drive, quick-hitch system
HG	Hydraulic drive, fork-tines
HU	Hydraulic drive, attachment plate für unimog and public utility vehicles
MD	PTO-drive, three-point linkage
MK	PTO-drive, A-frame
MU	PTO-drive, attachment plate für unimog and public utility vehicles

EXPORT SALES TEAM

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