

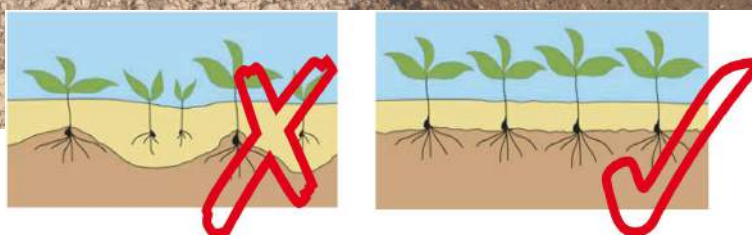
KOMPAKTOMAT P-PS Presowing Combinators

- ✓ COMPLETE PRESOWING PREPARATION IN ONE CROSSING
- ✓ EXCELLENT LEVELLING AND REVERSE COMPACTING
- ✓ HIGH WORKING SPEED AND OUTPUT



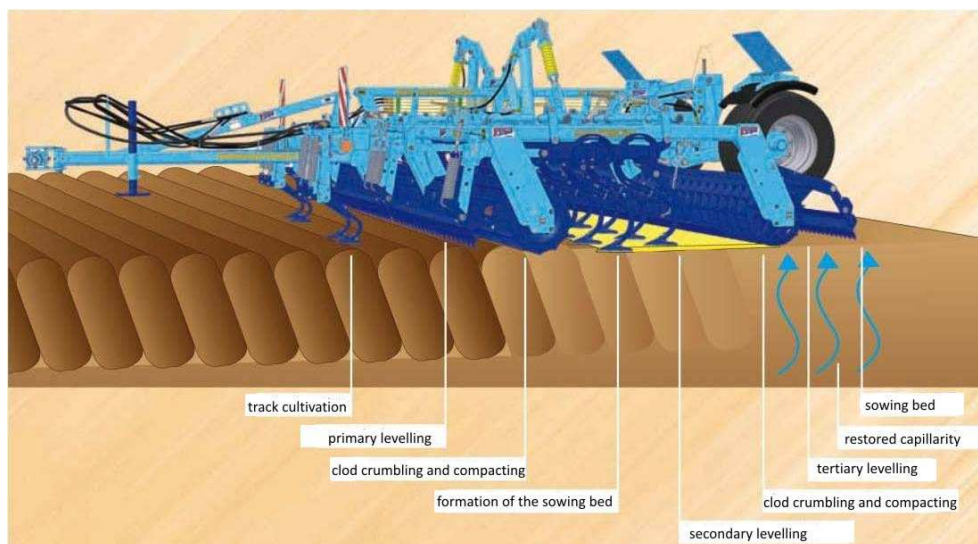
Basic Technical Characteristics of the Machine :

- ✓ The machine is designed for the preparation of the sowing bed after ploughing
- ✓ Processing sowing bed from 1 to 10 cm
- ✓ Variable working bodies available



High Performance

- ✓ 7 operations executed in one crossing
- ✓ High working speed of up to 12 km/h
- ✓ Excellent reverse compacting and restoration of the soil capillarity ensuring even emergence



High Work Quality

- ✓ Precise setting of the ploughshare depth provides accurate preparation of the sowing bed for each plant
- ✓ Automatic ploughshare protection provides trouble-free operation
- ✓ Excellent levelling effect of unevenness of the field



Aggregation with additional equipment

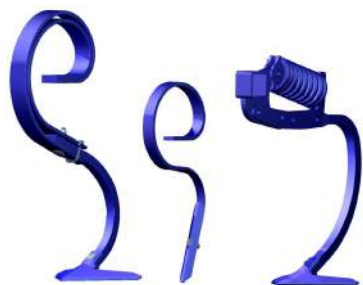
- ✓ The semi-carried combinators can be aggregated with other equipment, such as the MONSUN seeding machines or DV rollers

Robust Frame

- ✓ High-strength refined materials used for crucial nodes to ensure long service life
- ✓ Highly dimensioned frame



Robust front leveller that pulls down the top layers of arable land



Automatically released ploughshares

Easy Operation

- ✓ Minimum number of adjusting spots
- ✓ Minimum number of lubrication spots



Front leveller height setting



Height setting of the leveller behind the sweeps



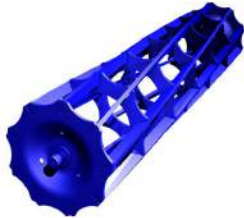
Ploughshare working depth setting

Wide Selection of Working Bodies – Optional Equipment



L – Bar Roller - Ø 40 cm - 60 kg/m

Can be used both in the front and the rear.
High-quality clod crumbling. Not suitable for humid conditions.



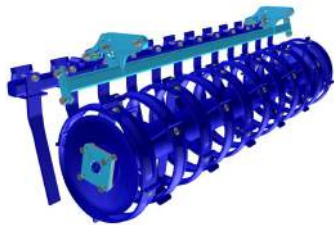
LS – Spiral Bar Roller - Ø 40 cm - 60 kg/m

Can be used both in the front and the rear.
Quality clod crumbling. Suitable for humid conditions.



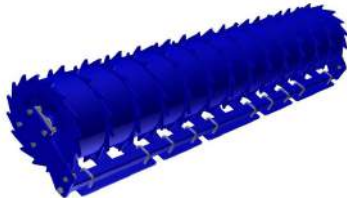
C - Crosskill Roller - Ø 40 cm - 170 kg/m

Can be only used in the rear.
Excellent work in light, medium and heavy soils; quality compacting and clod crumbling.



R - Ring Roller Ø 40 cm - 115 kg/m

Can be used both in the front and the rear.
Quality work in all types of soil, good depth guiding, suitable for more humid soils.

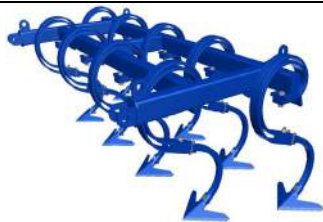


S – Segmented Roller Ø 40 cm - 115 kg/m

Can be used both in the front and the rear.
Excellent work in medium and heavy hard soils, good clod crumbling, good depth guiding. Not suitable for heavily flinty and silt soils.

	L	LS	C	R	S
Crumbling	●●●○	●●●○	●●●●	●●○○	●●○○
Compacting	●●●○	●●●○	●●●●	●●●●	●●●○
Depth guiding	●●●●	●●●●	●○○○	●●●●	●●●●
Resistance to clogging	●●○○	●●●○	●●●○	●●●●	●●○○
Suitable for rocky soils	●●●○	●●●○	●●○○	●●●○	●●○○
Suitable for wet soils	●○○○	●●●○	●●○○	●●●●	●●○○
Heavy soils	●●○○	●●○○	●●○○	●●○○	●●○○
Medium soils	●●●○	●●●○	●●●●	●●●○	●●○○
Light soils	●●●●	●●●●	●●●●	●●●○	●●○○

● - MAX
○ - MIN



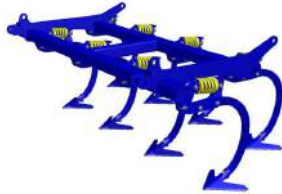
A – Section

The ploughshare section is equipped with sweeps with the width of 25 cm in two rows. Each sweep is protected by a leaf spring. This section is suitable for lighter soil conditions without plant residues. There is a leveller behind the sweeps.



B – Section

The ploughshare section is equipped with slim chisels with the width of 7 cm in four rows. This section is suitable for processing soil in spring when it is not suitable to pull wet soil out to the surface or for heavy soils. There is no leveller behind the chisels.



C – Section

A universal ploughshare section is equipped with sweeps with the width of 25 cm in two rows. The sweeps are mounted to frames with geometry improving the permeability of plant residues. Therefore, this section is suitable for land with a higher occurrence of crushed plant residues as well as for heavy soils. There is a leveller behind the sweeps.

	A	B	C
Number of rows of shares (pieces) / Row spacing (mm)	2 / 400	4 / 240	2 / 490
Leveller behind shares	●●●●	○●●○	●●●●
All-area processing	●●●●	●●●○	●●●●
Suitable for light soils	●●●●	●●●●	●●●●
Suitable for medium soils	●●●○	●●●○	●●●●
Suitable for heavy soils	●●●○	●●●○	●●●●
Suitable for rocky soils	●●●○	●●●○	●●●●
Suitable for wet soils	●●○●	●●●●	●●○●
Resistance to clogging	●●○●	●●●○	●●○●

● - MAX

○ - MIN

Technical Parameters

PARAMETERS-UNBRAKED		K300P	K400PS	K450PS	K500PS	K600PS
Working width (mm)		3000	4000	4500	5000	6000
Working depth (mm)		0-100	0-100	0-100	0-100	0-100
Number of sweeps/chisel shares		13/30	18/39	20/47	23/49	27/59
Working capacity (ha/h)		8-12	8-12	8-12	8-12	8-12
Pulling vehicle (kW / HP) ¹⁾		2.2-3.2	3-4	3.5-4.5	3-5	3.5-6
Working speed (km/h)		70 / 95	90 / 125	110 / 150	120 / 165	130 / 180
Maximum transport speed (km/h) ²⁾		20	20	20	20	20
Maximum climbing ability (°)		11	6	6	6	6
Tyre dimensions		400/60-15.5	400/60-15.5	400/60-15.5	19.0/45-17	19.0/45-17
Number of hydraulic circuits / pressure (bar)		2 / 200	2 / 200	2 / 200	2 / 200	2 / 200
Number of quick-coupling devices / type		4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5
Tractor hitch requirement	Axial pitch of the bottom hitch joints (alternative pitch)	1010 mm (920 mm)	1010 mm (920 mm)	1010 mm (920 mm)	1010 mm (920 mm)	1010 mm (920 mm)
	Ø of the hole of the bottom hitch joints for the suspension pins of the machine (alternative Ø)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø29 mm)
Transport width (mm)		3000	3000	3000	3000	3000
Transport height (mm)		1650	2670	3030	2790	3230
Total length of the machine (mm)		5500	5965	5965	6105	6105
Machine weight (kg) ³⁾		2280	3010	3340	4025	4360
Axle load (kg)		1690	2080	2240	2730	2950

PARAMETERS-BRAKED		K500PS	K600PS	K700PS	K800PS	K1000PS
Working width (mm)		5000	6000	7000	8000	9850
Working depth (mm)		0-100	0-100	0-100	0-100	0-100
Number of sweeps/chisel shares		23/49	27/59	31/69	35/77	43/91
Working speed (km/h)		8-12	8-12	8-12	8-12	8-12
Working capacity (ha/h)		3-5	3.5-6	4.5-7	5.5-8	8.5-10
Pulling vehicle (kW / HP) ¹⁾		120 / 165	130 / 180	150 / 205	160 / 220	180 / 245
Maximum transport speed (km/h) ²⁾		20	20	20	20	20
Maximum climbing ability (°)		6	6	6	6	6
Tyre dimensions		19.0/45-17	19.0/45-17	19.0/45-17	19.0/45-17	19.0/45-17
Type of brakes / distribution / pressure (kPa) ⁴⁾		air / two/line / 8.5	air / two/line / 8.5	air / two/line / 8.5	air / two/line / 8.5	air / two/line / 8.5
Brake dimensions		300/60	300/60	300/60	300/60	300/60
Number of hydraulic circuits / pressure (bar)		2 / 200	2 / 200	2 / 200	2 / 200	2 / 200
Number of quick-coupling devices / type		4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5	4 / ISO 12.5
Tractor hitch requirement	Axial pitch of the bottom hitch joints (alternative pitch)	1010 mm (920 mm)	1010 mm (920 mm)	1010 mm (1045 mm)	1010 mm (1045 mm)	1010 mm (1045 mm)
	Ø of the hole of the bottom hitch joints for the suspension pins of the machine (alternative Ø)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø29 mm)	Ø37.5 mm (Ø50 mm)	Ø37.5 mm (Ø50 mm)	Ø37.5 mm (Ø50 mm)
Transport width (mm)		3000	3000	3000	3000	3000
Transport height (mm)		2790	3230	3830	4220	4190
Total length of the machine (mm)		6105	6105	6105	6105	6660
Machine weight (kg) ³⁾		4025	4360	4960	5345	6920
Axle load (kg)		2730	2950	3360	3620	4520

¹⁾ Recommended pulling vehicle, the actual pulling force may significantly change according to the selected version of the machine, processing depth, soil conditions, inclination of land, wear and tear of the working parts and their adjustment

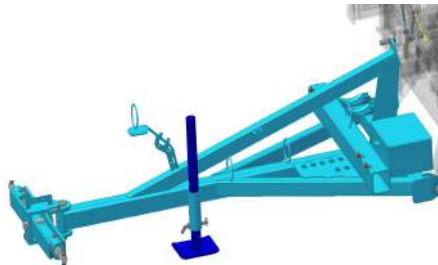
Technical Advice!

²⁾ Follow the national regulations valid for transportation of machines on public roads. Check the legal provisions valid in the country and regulations on maximum permissible total axle weights and loads. If you have any further questions, please contact our sales representative

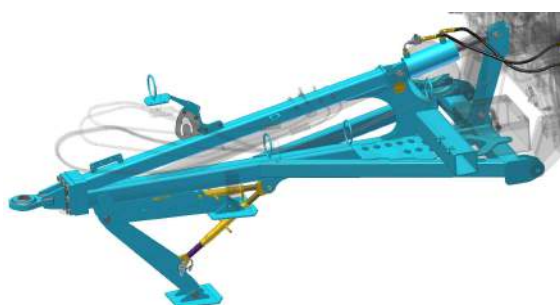
³⁾ Weight of the machine version: front bar roller, A section, rear crosskill roller

⁴⁾ Alternative for the brake type: hydraulic, pressure 130±5 bar

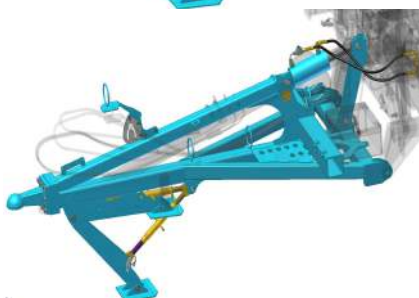
Tractor Aggregation Alternatives



TPH Category III

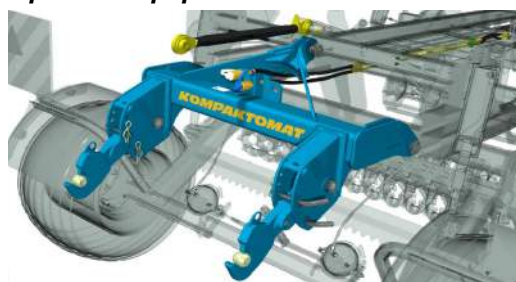


Bottom hitch eye ø 50 mm (K700, K800, K1000)



KOULE K80 hitch (K700, K800, K1000)

Optional Equipment



Rear TPH Category 2 hitch – it is possible to install a rear hitch for aggregation with additional equipment in the rear of the semi-carried machine

Maximum permitted weight of another device for aggregation with Kompaktomat

	K300P	K400PS	K450PS	K500PS	K600PS	K700PS	K800PS	K1000PS
Ft (kg)	2280	3010	3340	4025	4360	4960	5345	6920
Fn (kg)	5950					6800		
K1 (mm)	3205	3149		3895			3810	
K2 (mm)	4750	5083		5750			5950	
Centre of gravity	Maximum weight of equipment "M" (kg) at transport speed of 25 km/h							
L= 1000 mm	3644	3414	3243	2746	2553	2930	2708	2028
L= 1300 mm	3465	3253	3090	2629	2444	2806	2593	1944
L= 1500 mm	3353	3154	2997	2557	2377	2728	2522	1892

L= 1700 mm	3250	3061	2908	2488	2313	2655	2454	1842
L= 2000 mm	3015	2932	2785	2392	2223	2552	2359	1773

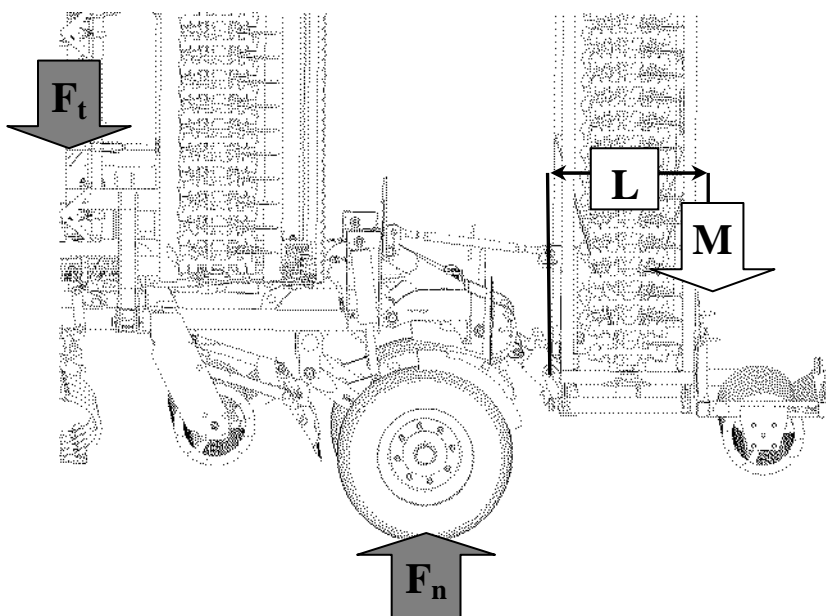
K1...dimensional constant no.1; K2... dimensional constant no.2

Equation for calculating the maximum permitted weight of the additional equipment for aggregation with Kompaktomat:

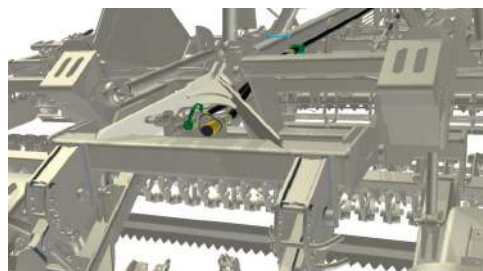
$$M = \frac{(-F_t * K1) + (F_n * K2)}{L + K2}$$

The calculated value (weight) "M" will help you check the possibility of trouble-free aggregation with additional equipment and Kompaktomat.

Figure for the calculation of the maximum weight of the additional equipment



- Only equipment that allows continuous tracing of terrain may be aggregated with Kompaktomat. It is not possible to aggregate e.g. a seeding machine without travelling wheels with Kompaktomat.

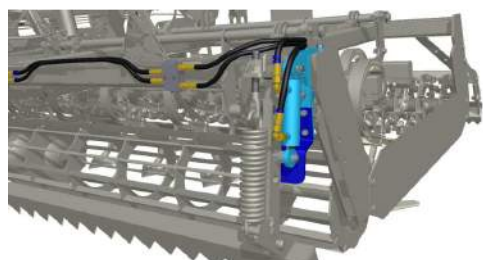


Hydraulic circuit for the seeding machine fan drive – it is possible to install a circuit for the pneumatic seeding machine fan drive to Kompaktomat with rear TPH

ATTENTION! The return branch of the hydraulic circuit DN20 must not be connected to the tractor distributor but it must be connected directly to the tractor oil tank

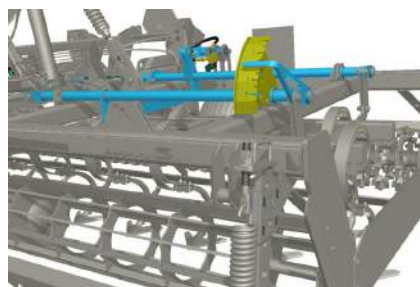
Number of hydraulic circuits / pressure (bar) 1 / 200

Number of quick-coupling devices / type 1 / ISO 12.5
1 / ISO 25



Hydraulic levellers – controlling the height of the front levelling bar by the hydraulic circuit from the driver's position

Number of hydraulic circuits / pressure (bar) 1 / 200



Number of quick-coupling devices / type 2 / ISO 12.5

Hydraulic depth – controlling the working depth of the shares by the hydraulic circuit from the driver's position

Number of hydraulic circuits / pressure (bar) 1 / 200

Number of quick-coupling devices / type 2 / ISO 12.5



Light set



Ø28mm

Set of pins for TPH, Category II (K300P-K450PS)



Ø50mm

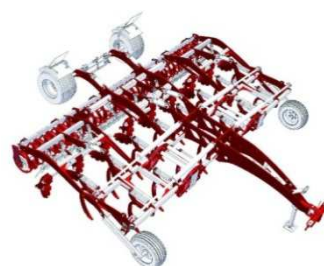
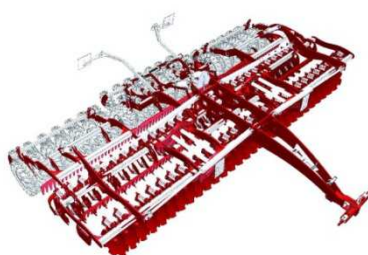
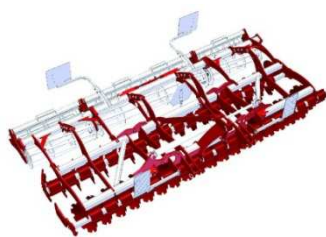
Set of pins for TPH, Category IV



Ø60mm

Set of pins for TPH, Category KIROVEC

extra STEEL line®



More information at www.farmet.cz

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