

DUMP TRAILERS





TSP-10



TSP-14



TSP-16



TSP-20



TSP-30



TSP-40



Semi-trailer TSP-40

Tractor dumper trailers intended for transporting all kind of agricultural goods (grain, green mass, organic and mineral fertilizers, etc.).

Features of construction:

- solid welded conical body with stiffeners on trailers with one side of unloading and reinforced profile boards with stiffeners on trailers with three sides of unloading;
- reinforced frame on leaf spring suspension;
- mechanically or hydraulically opened back board with special gate valve for dozing of unloading;
- back board adopted for installing reloading auger for loading the seeders;
- priming and painting with polyurethane paint Lankwitzer (produced by Germany);
- braking system: pneumatic, hydraulic or mixed.

Equipment:

- running gear of trailer ADR (Italy), BPW (Germany);
- hydraulic cylinder Di Natale-Bertelli (Italy)
- towing eye Scharmuller (Austria);
- tires Mitas, BKT, Alliance;
- hydraulic drawbar support on semi-trailers.

Additional equipment:

- stripes for additional volume;
- awning system;
- lookout platform;
- auger for loading the seeders.

SUSPENSION TYPES



Tandem

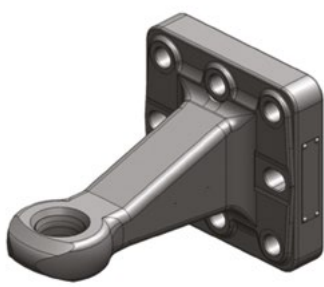


Tridem

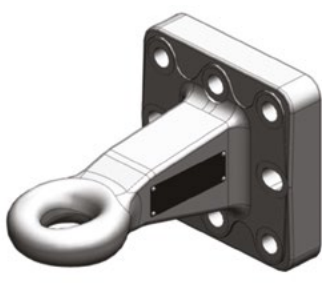


Hydraulic

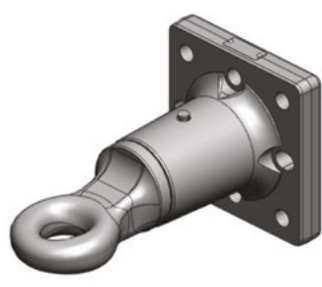
TOWING CONNECTIONS, SCHARMÜLLER AUSTRIA



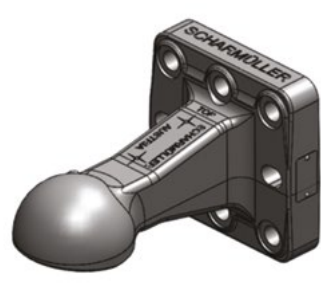
Ø40



Ø50



turning eye Ø50



hemisphere Ø80



Semi-trailer TSP-20. Conical body - prevents hovering of green mass and manure in trailer



Semi-trailers	TSP-10	TSP-14	TSP-16	TSP-20	TSP-30	TSP-40
Sides of unloading	1	1	1	1	1	1
Empty weight, kg	2 400	3 400	4 300	5 950	6 840	10 000
Technically permissible total mass, kg	10 400	13 400	16 300	21 950	26 840	40 000
Axles, pcs.	2	2	2	2	2	3
Body: length, mm	4 450	5 140	5 100	5 600	6 500	8 000
width, mm	2190/2240	2175/2235	2225/2300	2230/2295	2 325	2 325
height, mm	1 115	975	1 540	1 540	1 475	1 640
Height stripes, mm	500	600	600	600	600	600
Volume, m³	10,7	10,7	17,2	19,5	21	29
Volume with stripes, m³	15,5	17,5	24	27,3	30	40
Standart wheels	11,5/80-15,3	425/70-18	425/70-18	550/60-22,5	560/60R22,5	560/60R22,5
Maximum wheels	400/60-15,5	500/50-22,5	500/50-22,5	650/50 R22,5	710/50 R 26,5	710/50 R 26,5
Recommended tractor power (hp)	80	100-110	120	150-180	220-250	250-300



Hydraulically opening rear tailgate



Hydraulic adjustable drawbar



Hock absorber for falling potatoes of rubber belts.



Hydraulic drawbar support



Side opening board TSP-10



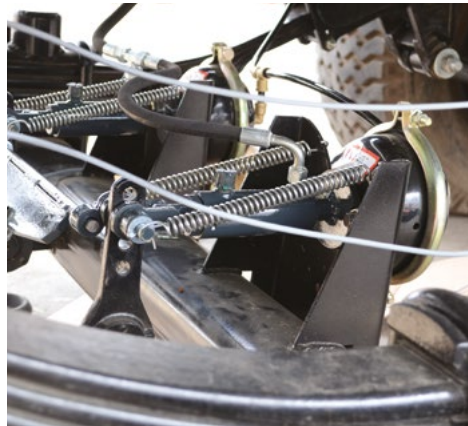
Hydraulic machine TSP-40



Hydraulic brake system



Air brake system



Combined braking system



First and last axles are positively steered



Hydraulic suspension



Auger on trailer with rear unloading



Semi-trailer TSP-10t



Semi-trailers	TSP-3t	TSP-6t	TSP-10t	TSP-16t
Sides of unloading	3	3	3	3
Empty weight, kg	800	1 600	2 300	4 600
Technically permissible total mass, kg	3 300	6 000	10 300	12 600
Axes, pcs.	1	1	2	2
Body: length, mm	2 890	4 015	4 530	4 930
width, mm	1 740	2 105	2 200	2 270
height, mm	500	500	500	600
The height of the 2nd tier of the sides, mm	500	500	500	800
Volume with 1 tiers of sides, m³	2,6	4,2	-	-
Volume with 2 tiers stripes, m³	5,2	8,4	10,0	16
Standart wheels	10.0/75 -15,3	11,5/80-15,3	11,5/80-15,5	425/70-18
Maximum wheels		355/65-16	400/60-15,5	500/50-22,5
Recommended tractor power (hp)	34	60	80	120-150



Wheel chock



Toolbox



Dumper trailers with three sides of unloading easily transforming in to usual platform, what is makes them multifunctional.



Mechanical drawbar support TSP-3



Mechanical drawbar support with TSP-6t wheel



Hydraulic drawbar support TSP-10t, TSP-16t



Upper bracket



Lower bracket with attachment



Side lock



TSP-3t



TSP-6t



TSP-10t



Side unloading



Side unloading



Lock for opening the board



Back unloading



Back unloading



Back unloading



Trailer 2TSP-21

								
2TSP-6	2TSP-8	2TSP-14	2TSP-16	2TSP-21	3TSP-24	4TSP-32		
Trailers	2TSP-6	2TSP-8	2TSP-14	2TSP-14 wood chips trailer	2TSP-16	2TSP-21	3TSP-24	4TSP-32
Sides of unloading	3	3	3	1	3	3	3	3
Empty weight, kg	1 500	2 100	3 600	3 900	4 000	5 000	6 000	8 000
Technically permissible total mass, kg	6 000	8 100	13 600	13 900	16 000	21 000	24 000	40 000
Axles, pcs.	2	2	2	2	2	2	3	4
Body: length, mm	4 200	4 050	4 970	5 100	4 430	5 400	7 900	8 550
width, mm	2 245	2 105	2 170 / 2215	2 300	2 270 / 2310	2 270 / 2 310	2 270 / 2 310	2 490
height, mm	600	500	600	2 300	800	800	800	800
The height of the 2nd tier of the sides, mm	600	500	600 (800)	-	800	800	800	800
Volume with 1 tiers of sides, m³	5	4,2	7	24	-	-	-	-
Volume with 2 tiers of sides, m³	10	8,4	14 (16,5)	-	16	21	24	32
Standart wheels	11,5/80-	11,5/80-15,3	500/50-17	425-70 R18	445/45 R19,5	385/65R22.5	385/65R22.5	385/65R22.5
Maximum wheels	15,3	355/65-16				445/65R22,5	445/65R22,5	445/65R22,5
Recommended tractor power (hp)	30	80	100-110	100-110	120-150	120	from 130	300



Leaf transport net



Board damping spring



Spring drawbar



Side unloading



Back unloading



2TSP-14 chip carriers with a body volume of 24 m³



Augers for trailers with side unloading



Augers for trailers with rear unloading



Tow bar for connecting a second trailer



2TSP-14 + 2TSP-14



4TSP-32



2TSP-6



2TSP-8



2TSP-14



2TSP-16



2TSP-21



3TSP-24



SEMI-TRAILER TSP-12 BUILDING

Semi-trailers	TSP-12 building
Technically permissible total mass, kg	26 500
Empty weight, kg	7 200
Dimensions, LxWxH, mm	
- body	6325 x 2530 x 1385
- semi-trailer	7435 x 2530 x 2180
Volume, m³	11,5
Body metal	Hardox 6 mm
Suspension	tandem / bogie / pendle axle
Tires	650/50 R22,5 650/55 R26,5
Recommended tractor power (hp)	250-300



Telescopic hydraulic cylinder DiNatale (Italy)



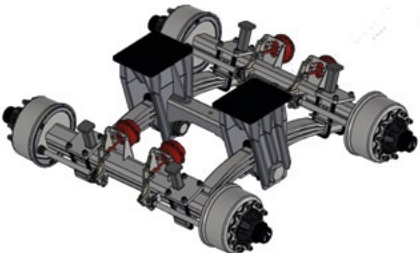
Axles ADR/BPW



Tandem



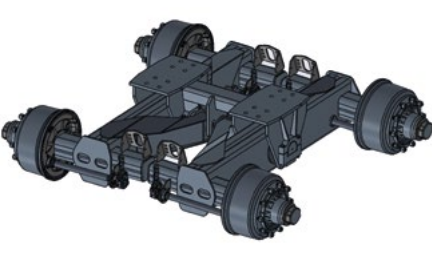
Hydraulically opening tailgate



Bogie



Hydraulic drawbar support



Pendle axle BPW

SPECIAL TRAILERS

The PS-22 trailer is unloaded to a height of up to 4.0 m. Designed for harvesting corn in cobs, etc. agricultural crops. Thanks to the sliding drawbar, it is aggregated with tractors and combines.

Characteristics	PS-22
Volume, m³	22
Empty weight, kg	9500 - 9940
Technically permissible total mass, kg	20 440
Trailer: length, mm	8 660 – 9 860
width, mm	3 465
height, mm	3 315
Axles, pcs.	1
Tires	650/65-30.5

- Technical characteristics:
- unloading speed up to 2 min;
 - body roll angle 400
 - centralized system of lubrication of main nodes



Connecting with combine



The maximum unloading height is 4,000 mm



Unloading strips
(for connection with a combine harvester)



Retractable drawbar



DOLLY TRAILERS PSP-20

Dolly trailers PSP-20 are designed for transportation of automobile semi-trailers by tractor on a wet field.

Characteristics	PSP-20
Length, mm	4 900
Width, mm	2 450
Height, mm	1 150
Seat height (adjustable by two hydraulic cylinders), mm	1250 - 1400
Saddle load, kg	20 000
Axles, pcs.	2
Tires	425/65 R22,5

Technical characteristics:

- frame: steel, coated with anti-corrosion paint
- platform: the all-welded metal structure is equipped with a special saddle for transporting an automobile semi-trailer;
- raising / lowering the platform saddle hydraulic;
- drawbar: welded to the frame rigidly;
- connection ring 40 mm, 50 mm, 90 mm;
- electrical system: 12 (24) V has a 7 pole outlet and tail-lights;
- hydraulic cylinders for regulation of coupling height
- the trailer is equipped with a pneumatic braking system.

Additional equipment:

- autonomous hydraulic machine with oil tank, drive from tractor PTO.



PSP20 Dolly



Connection of PSP-20 Dolly with a truck semi-trailer and tractor

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