

**HAWE**



**BODY SWAP SYSTEMS**

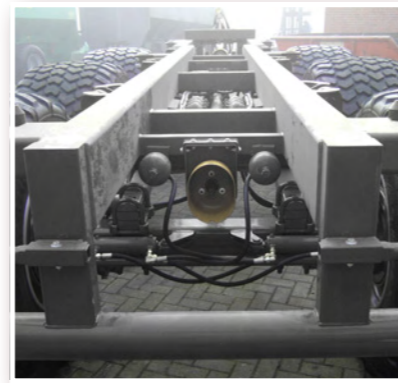
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## HAWE Body-swap systems WPS

The HAWE WPS systems enable optimum utilization of the high-quality tandem and tridem chassis with several interchangeable bodies throughout the year. The possibility of changing the superstructures quickly with the Twist-Lock system results in a significant cost reduction and more flexibility in scheduling. We offer contractors and large companies a wide range of powerful, solid-processed constructions.



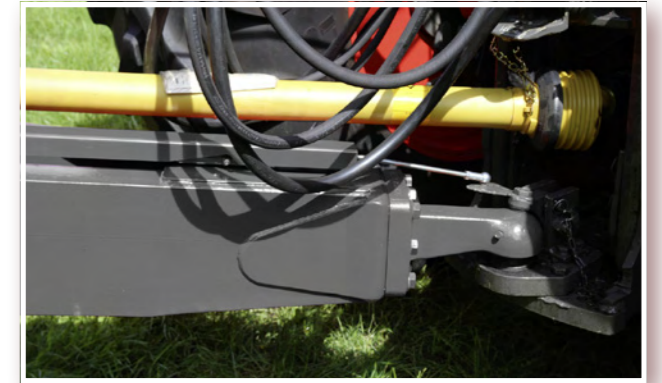
Lifting rams to remove and install the different bodies.



Tridem running gear with through for the body.



Running gear with hydraulic suspension available for all Tandem and Tridem chassis.



The positive steering system is controlled by a Bowden cable.



## HAWE rectangular tubular frame - Twist-Lock system

The HAWE rectangular system with Twist-Lock locking (rectangular tubular frame) has a very low gravity point and lays the foundation for flexible transportation of agricultural products using different bodies. All drives for HAWE bodies are built into the body on option. This reduces the changeover time and prevents faults. The drive shafts and hydraulic hoses are connected by means of quick-release couplings – simple and safe.



Twist-Lock locking system with parking stand holder.



Hydraulic parking stand and hydraulic drawbar suspension.

## Swap bodies for professional and economical large area use

With the HAWE body-swap system, you achieve the highest possible utilization of the high-quality tandem or tridem chassis. You can choose between different running gears with mechanical parabolic suspension or hydro-pneumatic suspension. An optimum utilization of the chassis can be achieved with two to three different swap bodies.

### ULW



Field transfer trailer bodies for grain, from 25 to 50 cubic metres.

### SLW



Silage transport trailer bodies from 38 to 50 cubic metres capacity.

### RJW



beet transfer trailers bodies with 28 (Tandem) and 40 or 50 cubic metres (Tridem).

### CSW



Cargo push-off trailer body with 40 or 50 cubic metres capacity.

### DST



Universal and manure spreader bodies, from 15 to 23 cubic metres.

### MK



Dumper trailer bodies in different models from 22 to 44 cubic metres.

## Tyre options to meet every need

Large-volume tyres reduce the tractive power requirement and prevent soil compaction even under wet conditions. The relatively large contact area minimises rolling resistance so the tyres keep rolling even under difficult conditions.



### Alliance Flotation 328

- standard equipment on all HAWE body-swap systems
- Diagonal flotation tyres for trailed vehicles with tread pattern which minimises soil damage



### BKT FL 630 Super

- the ideal tire for a multi-purpose use on road and field
- uniform running and high resistance



### Alliance Agri-Transport 390

- ideal for grassland use
- the deep tread guarantees a long service life
- flexible tread blocks and wide tread voids for optimum self-cleaning characteristics
- continuous steel belt provides high side stability



### Alliance Flotation 380

- flexible tread blocks and wide tread voids for optimum self-cleaning characteristics
- continuous steel belt for excellent durability
- very good traction in both directions of travel thanks to non-directional tread pattern



### Michelin CARGO X BIB

#### High Flotation

- high-quality tyres for road transport
- high load-bearing capacity and large contact area
- accurate steering and low rolling resistance
- especially suitable for Tire pressure control systems



### Vredestein Flotation Trac

- relatively large contact area, can be used at speeds up to 65 km/h
- optimum load distribution across the contact area
- protects the grass
- low rolling resistance, good self-cleaning properties and traction characteristics



### Nokian Country King

- the Nokian Country King runs extremely quietly
- rolls effortlessly on the road
- speed class D (65 km/h), an economical and environmentally friendly option

## HAWE body-swap systems WPS Terra Trac characteristics

- ➔ Up to 66% less ground pressure than comparable wheel machines
- ➔ High soil protection with good driving comfort
- ➔ Travel speeds up to 40 km / h
- ➔ soil gentle chassis concept
- ➔ 30% lower ground pressure peaks
- ➔ Avoid irreparable damage to the soil
- ➔ No vibration of the machine
- ➔ Compliance with transport width (StVZO-compliant)



## The Terra Trac body-swap systems with active drive

With this new concept, up to 200 hp reach the Terra Trac drives and are installed there

Propulsion implemented - Feat is history. The large footprint of the crawler belts creates the prerequisites for, for example, plowless cultivation concepts for the subsequent soil cultivation. The vehicle has a road

registration up to 40 km / h and a total weight of up to 24 t. The HAWE WPS offers optimal utilization with high cost savings potential. This is new and unique.



The oil pump is driven by the PTO shaft. The other functions of the respective superstructure can still be mechanically driven by the output and clutch.



The drive is by oil motor and cardan shaft. Disc brakes provide deceleration.



The 29 inch Terra Trac drives are allowed in the Heavy Duty equipment for 40 km / h on the road.

## Specifications – body-swap systems

Chassis	WPS 20 T	WPS 22 T	WPS 22 Terra Trac	WPS 29 T	WPS 32 T	WPS 34 T
Permitted gross weight (t)	20	23	24	30	33	34
Top speed (km/h)	40	40	40	40	40	40
Running gear	Tandem	Tandem	Claas Terra Trac	Tridem	Tridem	Tridem
Wheelbase (m)	1,55	1,81		1,55	1,81	1,81
Suspension	32 t LK-	32 t LK-		36 t LK-	48 t LK-	48 t LK-
Standard	Float unit with dynamic axle compensation			Float unit with dynamic axle compensation		
Optional	Running gear with hydraulic suspension incl. lift axle			Running gear with hydraulic suspension incl. lift axle		
Self-steering axles	hinten	hinten		vorn + hinten	vorn + hinten	vorn + hinten
Track width (m)	2,05	2,05		2,05	2,05	2,15
Universal spreaders	DST-A 20	DST-A 24	DST-A 24	DST-A 29	DST-A 32	DST-A 34
Load capacity (m <sup>3</sup> *)	15 / 18	18 / 20	18 / 20	17 / 19,5	19 / 23	25 / 30
Frame length (m)	6,50	7,10	7,10	7,60	8,00	8,60
Dimensions to slide (m, L x W x H)	5,85 x 2,1x1,2	6,45 x 2,1 x 1,3	6,45 x 2,1 x 1,3	6,95 x 2,1 x 1,2	7,35 x 2,1 x 1,3	7,95 x 2,1 x 1,3
Spreader clearance (m)	1,50	1,50	1,50	1,50	1,50	1,50
Manure spreaders	DST-A 20 SW	DST-A 24 SW	DST-A 24 SW	DST-A 29 SW	DST-A 32 SW	
Load capacity (m <sup>3</sup> *)	16,5 / 19	20	20	19 / 22	22 / 25	
Frame length (m)	6,50	7,10	7,10	7,60	8,00	
Dimensions up to spreader rotors (m, L x W x H)	6,50 x 2,1 x 1,2	7,10 x 2,1 x 1,3	7,10 x 2,1 x 1,3	7,60 x 2,1 x 1,2	8,00 x 2,1 x 1,3	
Spreader clearance (m)	1,70	1,70	1,70	1,70	1,70	
Field transfer trailers	ULW-A 2000	ULW-A 2500	ULW-A 2500	ULW-A 3000	ULW-A 3000	ULW-A 4000 ULW-A 5000
Load capacity (m <sup>3</sup> )	25	28/30	28/30	34/38	34/38	43 oder 50
Hopper (m, L x W)	6,00 x 2,50	6,00 x 2,50	6,00 x 2,50	7,25 x 2,50	7,25 x 2,50	8,50 x 2,55 / 2,95
Overall height (m)	3,60	3,85	3,85	3,95	3,95	3,95
Beet transfer trailers		RUW-A 2500	RUW-A 2500		RUW-A 4000	RUW-A 5000
Capacity (m <sup>3</sup> )		28	28		40	50
Body (m, L x W x H)		7,8 x 2,5 x 1,3 / 2,0	7,8 x 2,5 x 1,3 / 2,0		8,7 x 2,5 x 1,3 / 2,0	8,7 x 2,95 x 1,3 / 2,0
Silage transport trailers	SLW-A 40	SLW-A 45	SLW-A 45	SLW-A 45	SLW-A 50	
Load capacity (m <sup>3</sup> )	38	42	42	45	50	
Body (m, L x W x H)	7,2 x 2,3 x 2,3	7,9 x 2,3 x 2,3	7,9 x 2,3 x 2,3	8,55 x 2,3 x 2,3	9,35 x 2,3 x 2,3	
Cargo push-off trailers		CSW-A 4000	CSW-A 4000		CSW-A 5000	CSW-A 5500
Capacity (m <sup>3</sup> )		40	40		50	55
Dimensions (m, L x W x H)		7,5 x 2,55 x 2,58	7,5 x 2,55 x 2,58		8,5 x 2,55 x 2,58	9,35 x 2,55 x 2,58
Dumper trailer body	MK-A 20	MK-A 22	MK-A 22	MK-A 25	MK-A 30	
Capacity (m <sup>3</sup> )	22	25 / 28	25 / 28	26 / 34	34	
Dimensions (m, L x W x H)	6,6 x 2,2 x 1,6	7,0 x 2,2 x 1,6	7,0 x 2,2 x 1,6	7,2 x 2,2 x 1,6	8,2 x 2,2 x 1,6	

\*) 1st figure = volume with level load (to top of sides), 2nd figure = volume with heaped load up to height of spreader system; L = length, W = width, H = height. Slurry tanker bodies on request.

Standard equipment, WPS: braked and steering axles, lower attachment with hydraulic drawbar suspension (except WPS 20 T), dual-circuit air brakes with ALB. Twist-Lock locking system, hydraulic parking stand Standard equipment, bodies: drive shaft with overload safety system, lighting, further standard equipment on request.

Optional: 4 lifting rams to install and remove bodies, PTO shaft to power individual bodies.

The HAWE product range is being further developed continually.

We reserve the right to alter technical specifications, prices and models at any time. Illustrations and specifications approximate.

