

# **AW TRAILERS**

# **Monocoque Trailers**



**The Monocoque range of Trailers from AW Engineering have a High Specification and the same High Quality Build as All AW Trailers.**

**They feature a Large Capacity Monocoque body and a Strong Chassis fitted with Heavy Duty Running Gear.**

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Standard chassis features include :-

### Construction

- Strong, wide parallel chassis constructed from 250 x 150 RHS (box section) on 8 Tonne and above

### Drawbar

- Heavy duty RHS drawbar fitted deep into main trailer chassis with :-
  - Large support gusset to reduce stress and increase rigidity
  - Superior grade drawbar eye 40mm thick
  - Wide removable adjustable skid with carrier on chassis
  - Stalk on front of drawbar complete with fittings for easy storage of hydraulic hoses and lighting cable

### Suspension

- The choice of sprung or bogie suspension (on all tandem axle models)

### Springs



- Springs - heavy duty, multi-leaf, semi-elliptical spring suspensions are designed especially for farm trailers operating in arduous conditions, giving a smoother ride and reduced tyre wear

### Bogies



- Bogies - made from heavy duty RHS and 60mm diameter chrome pins with 4 Wieland phosphor bronze bushes which are individually greased

Standard body features include :-

### Construction

- Large capacity Monocoque body with smooth interior to reduce crop damage and tapered from front to back with angled sides for easy discharge
- all side channels are joined to channels running underneath the bed forming heavy duty continual ribs around the whole body and longitudinal members give support and strength to the entire body length
- 5mm thick steel floor fully welded to the 3mm thick sides
- 90 x 90 RHS box top (8 Tonne & above)
- heavy duty RHS (box section) rear corner posts
- Heavy duty rope hooks



### Axles

High specification wide track axles with :-

- Hydraulically operated independent cam brakes
- Commercial ratchet type parking brake
- Brake hoses fitted with 1/4" ISO female couplings

### Wheels & Tyres

- heavy duty wheel rims fitted with high spec super singles or over-size flotation tyres

### Tipping Rams

Giving large tip angle

- Rams fitted with wiper seals to prevent dirt entering the ram
- Tipping hoses fitted with 1/2" quick release male couplings



### Tailboard

- top hinged tailboard with single latching bar with two handles

### Steps

- strong steps fitted to front for inspection purposes



Optional Extras available include :-



Slage Sides

### Sprung Drawbar



Standard Hydraulic Tailboard

### Contractor Hydraulic Tailboard



Side to Side Roll-over Sheet



Grain Chute



### Rear Pivots

- Body pivots on two 40mm thick profiled lugs
- Each one is fastened individually by a 32mm chrome pin between two lugs on the chassis
- Each one is individually greased



### Lighting

LED full road lighting to RTA standard

- Maintenance free LED lamps (no bulbs)
- Rear lights well protected and highly visible
- Lighting cable connected with 7 pin plug
- Reflectors fitted on trailer sides where necessary



	4 Tonne Mono		6½ Tonne Mono		7 Tonne Mono		8 Tonne Mono	
Body length (internal)	3050mm	10'	3660mm	12'	3660mm	12'	4300mm	14'
Body width (internal) av 6" taper	2000mm	6' 6"	2210mm	7' 3"	2210mm	7' 3"	2210mm	7' 3"
Body height	760mm	2' 6"	1067mm	3' 6"	1117mm	3' 8"	1145mm	3' 9"
Floor thickness	5mm		5mm		5mm		5mm	
Side thickness	3mm		3mm		3mm		3mm	
Cubic capacity - grain	4.6m <sup>3</sup>	162ft <sup>3</sup>	8.6m <sup>3</sup>	305ft <sup>3</sup>	9.0m <sup>3</sup>	318ft <sup>3</sup>	10.9m <sup>3</sup>	381ft <sup>3</sup>
Cubic capacity - silage	10.7m <sup>3</sup>	378ft <sup>3</sup>	17.3m <sup>3</sup>	609ft <sup>3</sup>	17.3m <sup>3</sup>	622 ft <sup>3</sup>	20.2m <sup>3</sup>	718ft <sup>3</sup>
Chassis	125 x 65 PFC		180 x 75 PFC		180 x 75 PFC		250 x 150 RHS	
Axle size	60mm 6 stud (single)		80mm 6 stud (single)		70mm 6 stud (tandem)		80mm 6 stud (tandem)	
Brake size	250 x 40mm		300 x 60mm		300 x 60mm		300 x 60mm	
Wheel track	1700mm	67"	1900mm	75"	2000mm	79"	2000mm	79"
Tyre size	10.0/75 x 15.3 10 ply		12.5/80 x 15.3 14 ply		11.5/80 x 15.3 10 ply		12.5/80 x 15.3 14 ply	
O/a length	4420mm	14' 6"	5080mm	16' 8"	5080mm	16' 8"	5800mm	19'
O/a width - grain	2230mm	7' 4"	2440mm	8'	2440mm	8'	2440mm	8'
O/a width - silage	2350mm	7' 9"	2560mm	8' 5"	2560mm	8' 5"	2560mm	8' 5"
O/a height - grain	1635mm	5' 4"	2040mm	6' 8"	2150mm	7'	2270mm	7' 6"
O/a height - silage (inc canopy)	3135mm	10' 3"	3540mm	11' 7"	3650mm	12'	3745mm	12' 4"
Max tipped height - grain	3750mm	12' 4"	4270mm	14'	4270mm	14'	4770mm	15' 8"
Max tipped height - silage	4390mm	14' 5"	4910mm	16' 1"	4910mm	16' 1"	5390mm	17' 8"
Unladen weight	1.1 Tonne approx		1.5 Tonne approx		1.8 Tonne approx		2.1 Tonne approx	

	10 Tonne Mono		12 Tonne Mono		14 Tonne Mono	
Body length (internal)	4710mm	15' 6"	5505mm	18'	6100mm	20'
Body width (internal) av 6" taper	2210mm	7' 3"	2210mm	7' 3"	2210mm	7' 3"
Body height	1345mm	4' 5"	1345mm	4' 5"	1345mm	4' 5"
Floor thickness	5mm		5mm		5mm	
Side thickness	3mm		3mm		3mm	
Cubic capacity - grain	14.0m <sup>3</sup>	497ft <sup>3</sup>	16.4m <sup>3</sup>	577ft <sup>3</sup>	18.1m <sup>3</sup>	641ft <sup>3</sup>
Cubic capacity - silage	23.9m <sup>3</sup>	860ft <sup>3</sup>	28.1m <sup>3</sup>	980ft <sup>3</sup>	30.5m <sup>3</sup>	1075ft <sup>3</sup>
Chassis	250 x 150 RHS		250 x 150 RHS		250 x 150 RHS	
Axle size (tandem)	80mm 8 stud		127mm 10 stud commercial		127mm 10 stud commercial	
Brake size	350 x 60mm		406 x 120mm		406 x 120mm	
Wheel track	2000mm	79"	2000mm	79"	2000mm	79"
Tyre size	385/65R22.5 'super single'		385/65R22.5 'super single'		385/65R22.5 'super single'	
O/a length	6250mm	20' 6"	7045mm	23'	7655mm	25'
O/a width - grain	2440mm	8'	2440mm	8'	2440mm	8'
O/a width - silage	2560mm	8' 5"	2560mm	8' 5"	2560mm	8' 5"
O/a height - grain	2550mm	8' 5"	2550mm	8' 5"	2580mm	8' 6"
O/a height - silage (inc canopy)	3990mm	13' 1"	3990mm	13' 1"	4020mm	13' 2"
Max tipped height - grain	5135mm	16' 10"	5965mm	19' 7"	6425mm	21' 1"
Max tipped height - silage	5700mm	18' 8"	6550mm	21' 6"	6990mm	22' 11"
Unladen weight	4.0 Tonne approx		4.7 Tonne approx		5.2 Tonne approx	

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**RELIABILITY**  
**DURABILITY**