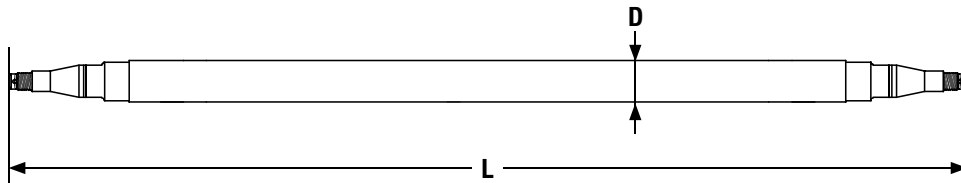


BARE AXLES

STRAIGHT SOLID AXLES

The traditional axle of the trailer industry. Constructed from Australian made 1045 grade drawn steel bar. Solid beam axles are simply machined on each end of the beam. This style of axle is usually used on such applications as domestic trailers, boat trailers and anywhere that the height of the trailer is not a major consideration.



Axle Size (D)	Axle Beam Profile	Axle Carrying Capacity (kg)	Machining Profile	Length (L)	
39mm	Round	750 kg	LM	Axles length to suit standard body width carried in stock	
40mm	Square	1000 kg	LM		
45mm	Round	1200 kg	SL		
45mm	Square	1450 kg	SL		
45mm	Square	1500 kg	1.5 tonne		
45mm	Square	1450 kg	Parallel		
50mm	Round	1450 kg	SL		
50mm	Square	1450 kg	SL		Axles can be manufactured to your required length (to nearest 5mm increment)
50mm	Square	1500 kg	1.5 tonne		
50mm	Square	1600 kg	Parallel		
50mm	Square	2000 kg	2.0 tonne		
56mm	Round	2000 kg	2.0 tonne		
63mm	Square	3000 kg	3.0 tonne		
65mm	Round	2500 kg	2.0 tonne		

Available Coatings - Natural, zinc plated or hot dipped galvanised. All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

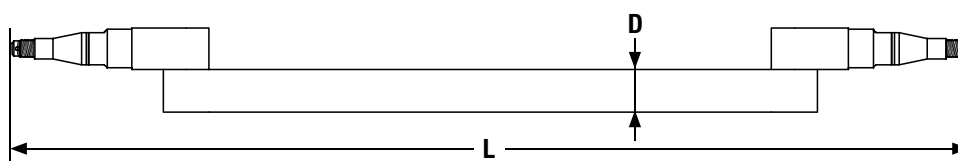
***NB** Brake mounting flange can be fitted upon request to suit your braking requirements.

BARE AXLES

OVERLAY AXLES

This type of axle is manufactured from solid 1045 grade steel, but the stub axles are welded on top of the main structural beam. This has the effect of lowering the trailer height an amount equal to the distance from the centre of the beam to the centre of the stub axle. For example on a 45mm square overlay axle of 1450 kg capacity, the trailer height is lowered by 45 mm compared to a straight axle of the same capacity. Why is lowering of the trailer an advantage? The lower the trailer the better the stability, and the lower wind resistance when towing. Also a lower trailer can be an advantage for accessing. This style of beam axle is extensively used by the caravan industry to provide a strong, reasonably priced, lower ride height axle option.

Overlay axles manufactured by AL-KO have undergone extensive evaluation of weld strength and you can be assured of the quality.



Axle Size (D)	Axle Beam Profile	Stub Axle Size / Profile (mm)	Axle Carrying Capacity (kg)	Machining Profile	Length (L)
40mm	Square	39 mm round ,205mm Long	1000 kg	LM	Axles can be manufactured to your required length (to nearest 5mm increment)
45mm	Square	45 mm round, 205mm Long	1450 kg	SL	
50mm	Square	50 mm round, 215mm Long	1600 kg	Parallel	
50mm	Square	56 mm round, 260mm Long	2000 kg	2.0 tonne	

Available Coatings - Natural, zinc plated or hot dipped galvanised. All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

***NB** Brake mounting flange can be fitted upon request to suit your braking requirements.

Larger capacities available on request.

Helpful Hint:

For more comprehensive details of axle/stub axle machining profiles, please refer to the table on page 17

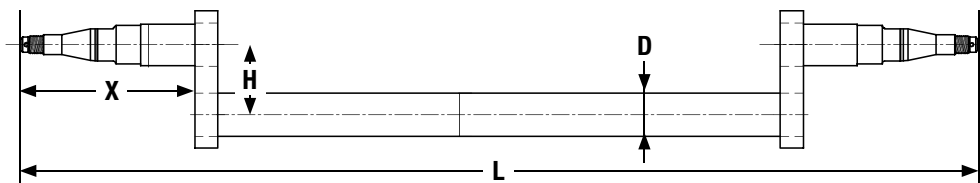
CAUTION

On some applications the combination of chassis clearance (w) and stub axle length required for the wheel/tyre combination may exceed maximum width registerable.

BARE AXLES

DROP AXLES

When an even lower ride height than that available from overlay axles is required, AL-KO produces a series of “drop” axles. This trailer industry term refers to an axle where there is a gap between the stub axle and the main structural beam, and this can vary up to a maximum of 100mm from centre of the stub axle to the centre of the beam. This is achieved by using welded “drop plates” which join the main structural beam and the stub axles. This has the effect of dramatically lowering the trailer and is typically used for such applications as race car trailers and horse floats where an easy and low access into the trailer is needed. When considering the use of a drop axle, there are more dimensional constraints than with other types of beam axles. As the drop plates need to pass the outside of the chassis or body during suspension movement, a drop axle always needs more distance from the body to the wheel centre. Whilst this can at times be a problem, talk to your AL-KO sales contact to assist with what can be made to suit your specific dimensional needs.



Stub Axle Size / Profile	Beam Size / Profile (D)	Axle Carrying Capacity (kg)	Machining Profile	Drop Height (H) mm/inches	Drop Arm Width	Stub Extension (X)	Length (L)
39mm round, 195mm Long	40mm Square	1000 kg	LM	65mm (2 1/2")	25mm	170mm	Axles can be manufactured to your required length (to nearest 5mm increment)
39mm round, 195mm Long	40mm Square	1000 kg	LM	75mm (3")	25mm	170mm	
39mm round, 195mm Long	40mm Square	1000 kg	LM	100mm (4")	25mm	170mm	
45mm round, 195mm Long	45mm Square	1450 kg	SL	65mm (2 1/2")	25mm	170mm	
45mm round, 195mm Long	45mm Square	1450 kg	SL	75mm (3")	25mm	170mm	
45mm round, 195mm Long	45mm Square	1450 kg	SL	90mm (3 1/2")	25mm	170mm	
45mm round, 195mm Long	45mm Square	1450 kg	SL	100mm (4")	25mm	170mm	
45mm round, 195mm Long	50mm Square	1450 kg	SL	75mm (3")	32mm	170mm	
50mm round, 195mm Long	50mm Square	1600 kg	Parallel	100mm (4")	32mm	163mm	
56mm round, 260mm Long	50mm Square	2000 kg	2.0 tonne	100mm (4")	32mm	228mm	

***NB** Above are general nominal details for constructions. Please confirm any critical measurements prior to ordering.

Available Coatings - Natural, zinc plated or hot dipped galvanised. All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

***NB** Brake mounting flange can be fitted upon request to suit your braking requirements.

Larger capacities available on request.