

COMPREHENSIVE CATALOGUE VEHICLE TECHNOLOGY



2020

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Quality for Life

AL-KO International manufactures, markets and distributes a comprehensive range of products for the trailer, caravan and RV markets in Australia and New Zealand.

The company is best known for its high quality running gear range, including axles, brakes and suspension products. In addition AL-KO offers its customers a wide range of accessories, as well as chassis and under carriage components.

The company has a long and proud history in Australia spanning back to 1946, when Hornby Engineering was founded and started to produce axles in South Melbourne. In 1974 this company was acquired by Girlock and with the acquisition of two other companies in Sydney and Brisbane it became Australia's largest company in its field. In 1988 the German AL-KO Kober Group acquired the company, which signalled the start of a new era of international involvement in New Zealand and South East Asia. The company's continued strong growth has been driven by product and innovation cementing AL-KO's position as market leader in its field.

In 2016 AL-KO commenced a new phase in its history when it became part of DexKo Global Inc. - formed as a global

strategic alliance between AL-KO Vehicle Technology and U.S. market leader Dexter to become global market leader in caravan, motorhome and trailer axles and components.

Investment by DexKo Global in the Australian & New Zealand markets has since led to the acquisition of leading industry suppliers Melbourne Trailer & Caravan Supplies in 2016, G&S Chassis, Hume Caravan & Camping Accessories and CM Trailer Parts in 2018 and Preston Chassis Industries in 2019.

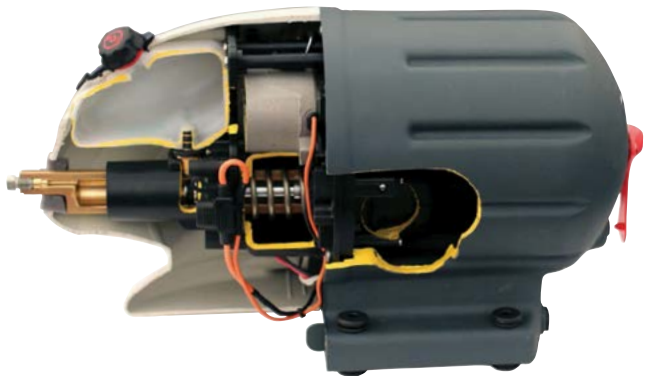
AL-KO is proud of its reputation for high quality products and services to the trailer, caravan and motor home market. Today the company utilises CAD, CNC and robotics to design and manufacture excellent products and delivers high quality service to its customers.

AL-KO's Australian head office and main manufacturing facility is located in Melbourne, with further factories and offices in Sydney, Brisbane and New Zealand.



AL-KO
QUALITY FOR LIFE

- 1991 – Snap-on couplings
- 1992 – Electric couplings
- 1993 – Disc brakes
- 1994 – Mechanical brakes
- 1995 – Jockey wheels
- 1996 – Swivel jockey wheels
- 1997 – Offroad electric brakes/ winches
- 1998 – Slipper springs
- 1999 – Rocker-roller springs
- 2000 – Corner steadies / bearing kits
- 2001 – Sensabrake
- 2002/3 – Drop-down corner steadies
- 2003 – AMC chassis (imported)
- 2004 – Landing legs
- 2005 – Wheels & tyres
- 2006 – Mechanical calipers
- 2007/8 – Aftermarket range
- 2009 – SensaBrake (Australian production)
- 2010 – Offroad coupling
- 2012 – Electronic Stability Control (ESC) & AMC chassis (Australian production)
- 2013/14 – iQ7 (Air/Hydraulic brake actuator)
- 2015 – Anti-theft GPS tracking system(ATS)
- 2016 – Enduro independent trailing arm suspension
- 2018 – AL-KO Off-Road Pin Coupling



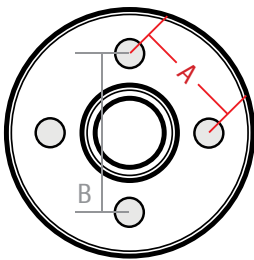
AL-KO STUD PATTERN CHART

Throughout this guide the terms Stud Pattern and Pitch Circle Diameter are in conjunction referenced with a product. Pitch circle diameter(PCD) is a reference to the number of studs equally space around a circle diameter centralised on a hub face. Stud pattern is a popular term for a combination of a PCD and stud size.

The chart below is a reference to the standard product produced by AL-KO for stud patterns.

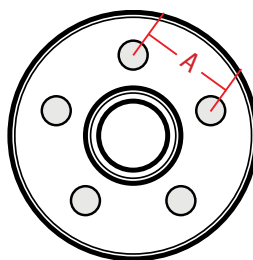
Stud Pattern	PCD	Wheel Stud Thread	Common Thread Options
Ford	5 x 4.5"	1/2" UNF	
Commodore	5 x 120mm	7/16" UNF	12mm
HT	5 x 4.25"	7/16" UNF	
HQ	5 x 4.75"	7/16" UNF	
Gemini	4 x 100mm	7/16" UNF	
Honda	4 x 100mm	7/16" UNF	
Datsun	4 x 4.5"	7/16" UNF	
Mini 7/16	4 x 4"	7/16" UNF	
5 stud LCR	5 x 150mm	9/16" UNF	14mm
6 stud LCR	6 x 139.7mm	1/2" UNF	12mm
Nissan	6 x 139.7mm	1/2" UNF	12mm
Range Rover	5 x 6.5"	5/8" UNF	
Ford F100	5 x 139.7mm	1/2" UNF	12mm
Bedford	6 x 205mm	7/8" UNF	
Land Rover Defender	5 x 6.5"	5/8" UNF	9/16" UNF
Subaru	5 x 100mm	7/16" UNF	
New Navara, Nissan	6 x 114.3	1/2" UNF	

How to measure a PCD



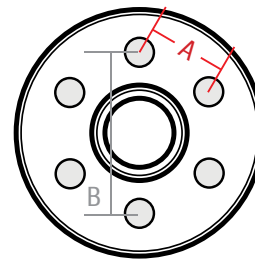
4 Stud

Measure from one stud centre to its nearest neighbour centre illustrated as "A". Divide "A" by 0.7071 = PCD or measure one stud centre to its furthest neighbour centre illustrated as "B", "B" = PCD



5 Stud

Measure from one stud centre to its neighbours centre illustrated as "A". Divide "A" by 0.5878 = PCD



6 Stud

Measure from one stud centre to its neighbours centre illustrated as "A". Divide "A" by 0.5 = PCD or measure one stud centre to its furthest neighbour centre illustrated as "B", "B" = PCD

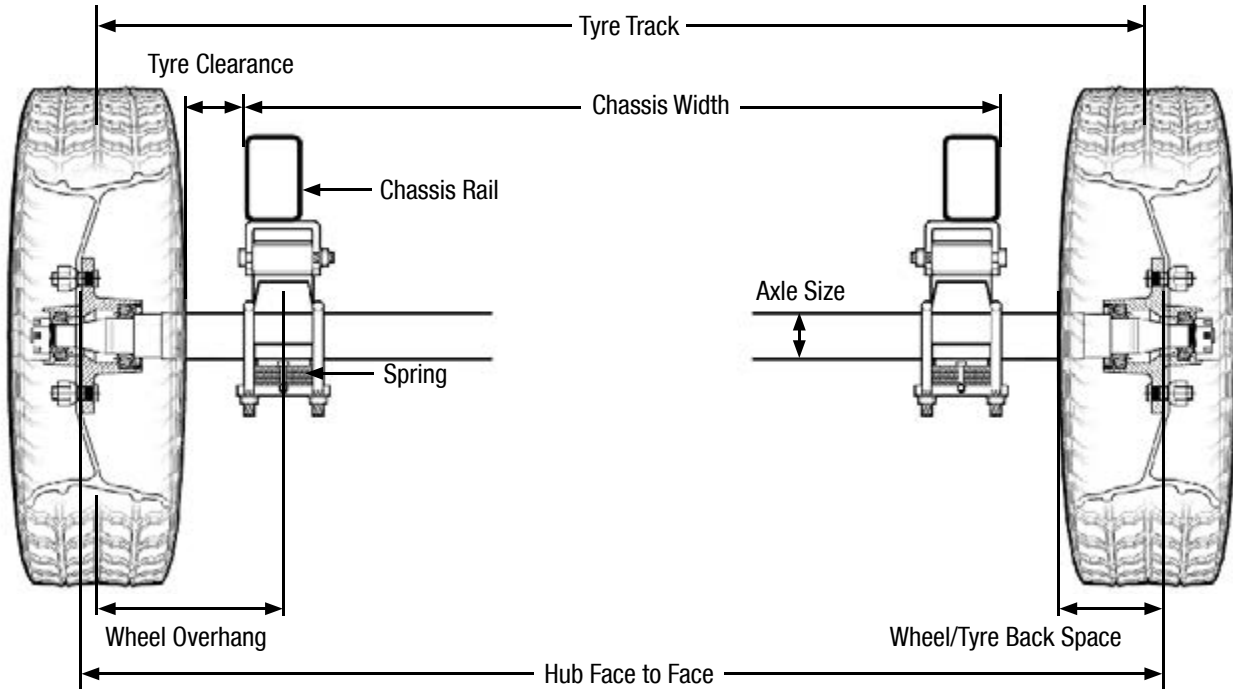
Helpful Hint:

AL-KO can produce further combinations than those listed above. Contact your service agent to discuss your needs.

CAUTION

Some wheel fitments can require a reduction on the hub outer boss which can reduce the hub rating.

GUIDE TO TECHNICAL TERMS / AXLE ORDERING



We have listed below some technical terms you may be asked to provide to ensure your axles are made to the correct specification. Our customer service staff would be pleased to assist you with any queries you may have with regards to ordering axles.

- Capacity = Total weight of trailer + payload
- Face to face – mounting face of drum/hub from one side to the other
- Chassis width – is measured from outside the chassis rail
- Tyre clearance – distance between inside of body and tyre (per side)
- Stud pattern – The location and size of wheel studs on the hub face (see page 4 for PCD chart)

Pay load including gas, water and all non factory fitted accessories.



Weight on towing vehicle (ball weight)



Weight on tyres

ATM (Aggregate Trailer Mass)

GTM (Gross Trailer Mass)

ATM = A plus B plus C

GTM = A plus B

Ball Weight = ATM minus GTM

Tare Mass = B plus C

Measured with no pay load and is information required for Trailer plate (Vin Plate).

Maximum width

The maximum registerable width permissible is 2500mm. This refers to the widest part of the trailer or caravan. It may be the tyres, the axle grease caps or even the lights on the body, but it cannot be exceeded.

AXLES



AUSTRALIAN DESIGN RULES

As Applicable to trailed vehicles less than 4.5 Tonne Aggregate Trailer Mass

Note: The following is a brief outline of some of the ADR requirements, for more detailed information please contact your nearest AL-KO Branch or the Australian Department of Infrastructure, Regional Development and Cities.

Suspension

Within a group of axles:

- two axles must not be more than 2 metres apart; and
- three axles must not be more than 3.2 metres apart overall.

All axles in a group must be interconnected by a loadsharing suspension **except in a close coupled axle group**, provided that the load carrying capacity of each axle in the group and the wheels and tyres fitted to it is:

- at least 120% of the load on that axle with the trailer at its ATM; and
- at least equal to the load on that axle with the trailer at its ATM and any retractable axle retracted.

Note: A close coupled axle group is where the two axles in a group have their centres not more than one metre apart, or three axles not more than 2 metres apart, or three or more axles not more than 3.2 metres apart.

Braking

- Trailers up to 750 kg Gross trailer mass – no brakes required .
- Trailers 750 kg up to 2000 kg Gross trailer mass – brakes on at least 1 axle. Refer to the “Brakes” section for more detail.
- Trailers 2000 kg to 4500 kg Gross trailer mass – brakes on all wheels. Refer to the “Brakes” section for more detail.

Note: This information is a guide only and correct at the time of printing. We suggest customers contact the Australian Department of Infrastructure, Regional Development and Cities for specific advice pertaining to meeting your lawful requirements.

IRS

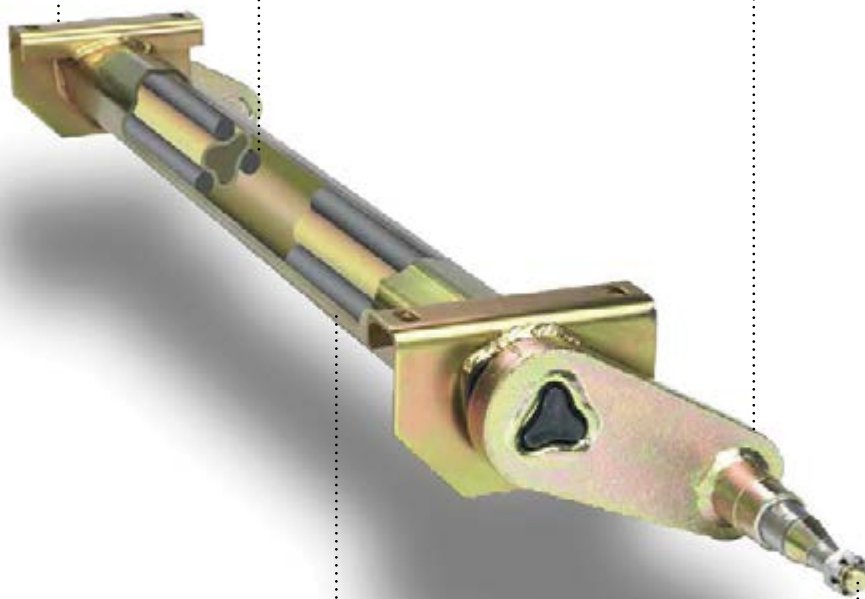
INDEPENDENT RUBBER SUSPENSION (IRS) AXLES

The state of the art AL-KO Independent Rubber Suspension (IRS) Axle represents the benchmark in fully independent trailer suspension

A special feature of the AL-KO IRS axle system is its mounting flexibility. Standard brackets make installation an ease with traditional under chassis mounting, side mount options for a professional finish or U Bolt fixing where required.

Rubber cords at either end of the beam offer independent suspension action and work similar to an inbuilt shock absorber effect providing a self dampening nature to the suspension.

Multiple start angles are available to achieve a more desirable ride height. Setting up the trailer for optimum towing performance.



Formed DIN 1016 hot rolled steel creates the hexagonal tube for crucial strength in the backbone of the axle.

Quality is important and, as such, each individual IRS axle is manufactured to exact engineering standards. AL-KO also uses the most advanced technology to test each axle for toe-in and camber, as well as load rated deflection.

INDEPENDENT RUBBER SUSPENSION (IRS) AXLES

With over 17 million produced around the world for caravans and trailers, the AL-KO IRS axle system is now the benchmark for fully independent trailer suspension. The trend to independent suspension first revolutionised the passenger car, then four wheel drives and is now the choice for trailers too.

The AL-KO IRS axle has been proven in tough Australian conditions for well over 20 years – from dirt tracks to fast freeways, from mountain tracks to desert highways. The demands of marine trailer towing – with the additional affect of salt water are also met with the AL-KO IRS system.

AL-KO IRS axles are a form of independent wheel suspension, this improves stability of the trailer/caravan and reduces the risk of dangerous snaking under heavy loads.

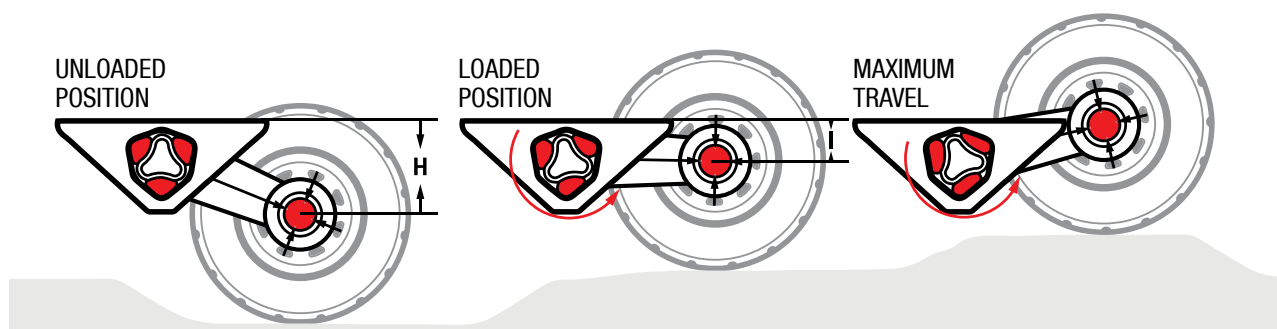
How does it work?

The AL-KO IRS axle uses simple and effective engineering to provide a smooth, stable and safe towing experience. Unique to the AL-KO IRS axle is the hexagonal outer axle tube, which houses three rubber elements held in place by a triple-fluted inner tube. Road shocks are dampened through compression of these rubber elements via suspension movement between full bump and rebound.

The unique self-dampening characteristics of the rubber element slow down the suspension rebound (as shown in the figure below), which ensures a smooth ride over all types of road surfaces.

Mounting options

A special feature of the AL-KO IRS axle system is its mounting flexibility. The standard axle can be bolted through the brackets top or side mounting fixtures which connect to chassis. A further universal, easy mount bracket has been developed for single and tandem options (see page 16). In marine configuration, it can be U-bolted onto the chassis rails to allow repositioning along the chassis. This provides optimum tow-ball weight under situations where the load centre is varied.



AL-KO's Independent Rubber Suspension axle system is extensively used in a range of applications, from off-road to marine and heavy-duty trailers.

This enables caravans and trailers of all styles to handle rough terrain and varying conditions better than ever. Its strength and versatility ensure that this axle is perfect for use in Australia.

IRS

AL-KO INDEPENDENT RUBBER SUSPENSION AXLES

Highway Use

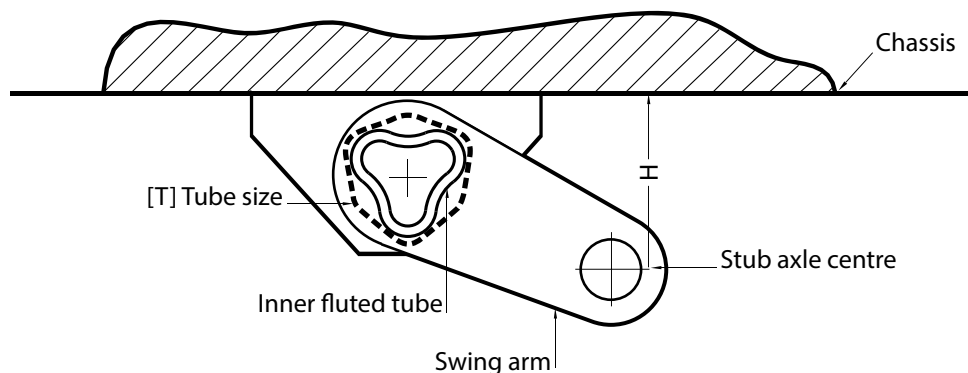
Zinc plated or hot dipped galvanised outer tube, plated swing arm, stub and inner fluted tube

Capacity (kg)	Outer Tube Size (T)	Brake Options *	Most Common Stub Length / Stub Profile (mm)	Chassis To Stub Centre (mm) Unloaded ** "Nominal" - (H)	Max Wheel Diameter
100 - 400	62mm	Unbraked	205 / LM	85	13"
401 - 850	80mm	10" Electric, 9" Hyd, Hyd or Mech Disc	205 / LM	110	14"
851 - 1450	97mm	10" Electric, 9" Hyd, Hyd or Mech Disc	205 or 235 / SL	130	14"
1000 - 1600	110mm	10" Electric, 10" Hyd, Hyd or Mech Disc	235 / SL / Parallel	145	16"
1601 - 2500	120mm	12" Electric, 12" Hyd, Hyd or Mech Disc	255 / 2T/2.5T	135	16"

* All axles are available unbraked or with the brake options as shown.

** "Unloaded" refers to the chassis being supported and suspension arms hanging free.

*** Nominal suspension travel is 50mm at design load & a further 40-45mm at bump



Marine Use

(U-bolt fitted double width brackets) - Hot dipped galvanised outer tube, plated swing arm, stub and inner fluted tube

Capacity (kg)	Outer Tube Size (T)	Brake Options *	Most Common Stub Length / Stub Profile (mm)	Chassis To Stub Centre (mm) Unloaded ** "Nominal" - (H)	Max Wheel Diameter
100 - 400	62mm	Unbraked	205 / LM	85	13"
401 - 850	80mm	10" Electric, 9" Hyd, Hyd or Mech Disc	205 / LM	110	14"
851 - 1450	97mm	10" Electric, 10" Hyd, Hyd or Mech Disc	205 or 235 / SL	130	14"
1000 - 1600	110mm	10" or 12" Electric, 10" Hyd, Hyd or Mech Disc	235 / SL / Parallel	145	16"
1601 - 2500	120mm	12" Electric, 12" Hyd, Hyd or Mech Disc	255 / 2T/2.5T	135	16"

Off Road Use

(15"/16" Wheels only) - Zinc plated or hot dipped galvanised outer tube, plated swing arm, stub and inner fluted tube

Capacity (kg)	Outer Tube Size (T)	Brake Options *	Most Common Stub Length / Stub Profile (mm)	Chassis To Stub Centre (mm) Unloaded ** "Nominal" - (H)	Max Wheel Diameter
851 - 1600	110mm	10" Electric, 12" Electric, Hyd or Mech Disc	235 / SL / Parallel	145	16"
1601 - 2500	120mm	12" Electric, Hyd or Mech Disc	255 / 2T/2.25T	135	16"

** All axles are available unbraked or with the brake options as shown.

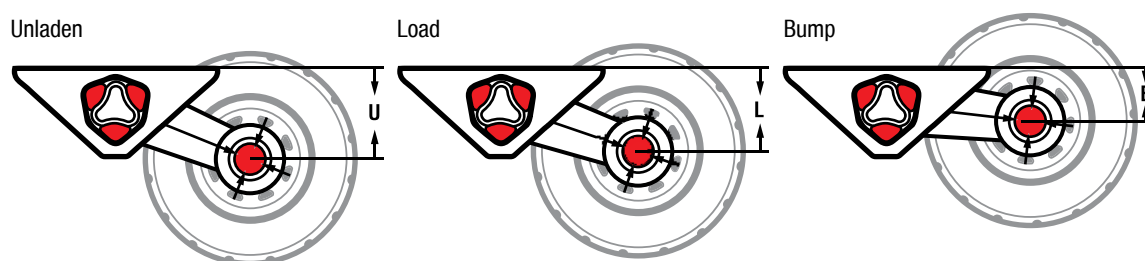
** "Unloaded" refers to the chassis being supported and suspension arms hanging free.

** Nominal suspension travel is 50mm at design load & a further 40-45mm at bump.

Typical AL-KO IRS Specifications

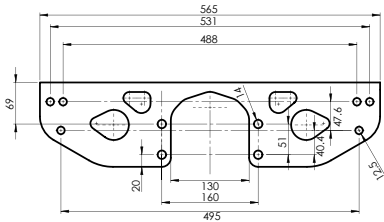
Measurements are nominal for typically constructions. Use of some components, hubs, rims may affect measurements, any build critical details should be confirmed prior to ordering.

Detail	100 - 400 kg	401 - 600 kg	601 - 850 kg	851 - 1250 kg	1251 - 1450 kg	Off Road	1601 - 2000 kg	2001 - 2200 kg	2201 - 2500 kg
Outer Tube Size	62 x 3	80 x 3	80 x 3	97 x 4	97 x 4	110 x 4	120 x 5	120 x 5	120 x 5
Swing Arm Tickness	25mm	25mm	25mm	32mm	32mm	32mm	40mm	40mm	40mm
Stub Axle Diameter	39mm	39mm	39mm	45mm	45mm	45mm	56mm	56mm	56mm
Swing Arm - Centres	130mm	145mm	145mm	160mm	160mm	175mm	200mm	200mm	200mm
Stub Axle Bearing Configuration	LM	LM	LM	SL	SL	SL	2T	2T	2T
Standard Arms									
Chassis to stub centre Unladen Standard Arms (U)	85mm	110mm	110mm	130mm	130mm	145mm	135mm	135mm	135mm
Chassis to stub centre at Load Standard Arms (L)	50mm	70mm	70mm	80mm	80mm	100mm	90mm	90mm	90mm
Chassis to stub centre at Bump Standard Arms (B)	10mm	10mm	10mm	50mm	50mm	70mm	35mm	35mm	35mm
Lo-Line Arms									
Chassis to stub centre Unladen Lo-Line Arms (U)	N/A	45mm	45mm	70mm	70mm	85mm	75mm	75mm	75mm
Chassis to stub centre at Load Lo-Line Arms (L)	N/A	10mm	10mm	30mm	30mm	40mm	30mm	30mm	30mm
Chassis to stub centre at Bump Lo-Line Arms (B)	N/A	N/A	N/A	10mm	10mm	20mm	10mm	10mm	10mm
Super Lo-Line Arms									
Chassis to stub centre Unladen Super Lo-Line Arms (U)	N/A	N/A	N/A	20mm	20mm	N/A	N/A	N/A	N/A
Chassis to stub centre at Load Super Lo-Line Arms (L)	N/A	N/A	N/A	-20mm	-20mm	N/A	N/A	N/A	N/A
Chassis to stub centre at Bump Super Lo-Line Arms (B)	N/A	N/A	N/A	-40mm	-40mm	N/A	N/A	N/A	N/A



Universal Chassis Bracket

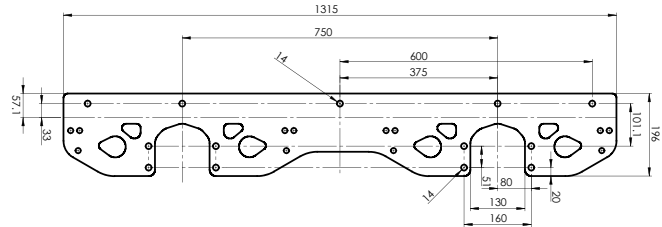
To assist in fitting AL-KO IRS axles to individual chassis, a universal bracket has been developed which is welded to the trailer chassis and the AL-KO IRS axle is bolted to the bracket through side mounting bolts.



200170

Universal Chassis Bracket

Suit 80-120mm outer tube, Zinc plated – Suits standard and low line ride height/ incorporates shock absorber mounting holes.



200172

Tandem Chassis Bracket

Suit 80-120mm outer tube, Zinc plated – Suits standard and low line ride height/ incorporates shock absorber mounting holes.

Octagon Shock Absorber

Optimal damping thanks to precise tuning. AL-KO octagon shock absorbers have overload protection and are characterised by high-quality seals and a special oil. They are precisely optimised for a clearly defined weight range and significantly improve the driving characteristics of trailers and caravans. Trailer oscillations and "hopping" are reduced significantly.

For a long time drivers have been worried about trailer vibrations on uneven roads. Until now, conventional standard shock absorbers have barely delivered a noticeable improvement on driving safety. They are designed for a weight range that is too large (for example 0 to 4.0 t). Optimum damping was only achieved at medium trailer weights (2.0 t). Damping in the lower weight range is excessive, causing trailer bumps and jolts, while the damping in the upper weight range is inadequate. AL-KO Octagon axle shock absorbers on the other hand improve the trailer's drive characteristics and provide optimum damping – thanks to precise, weight based tuning.



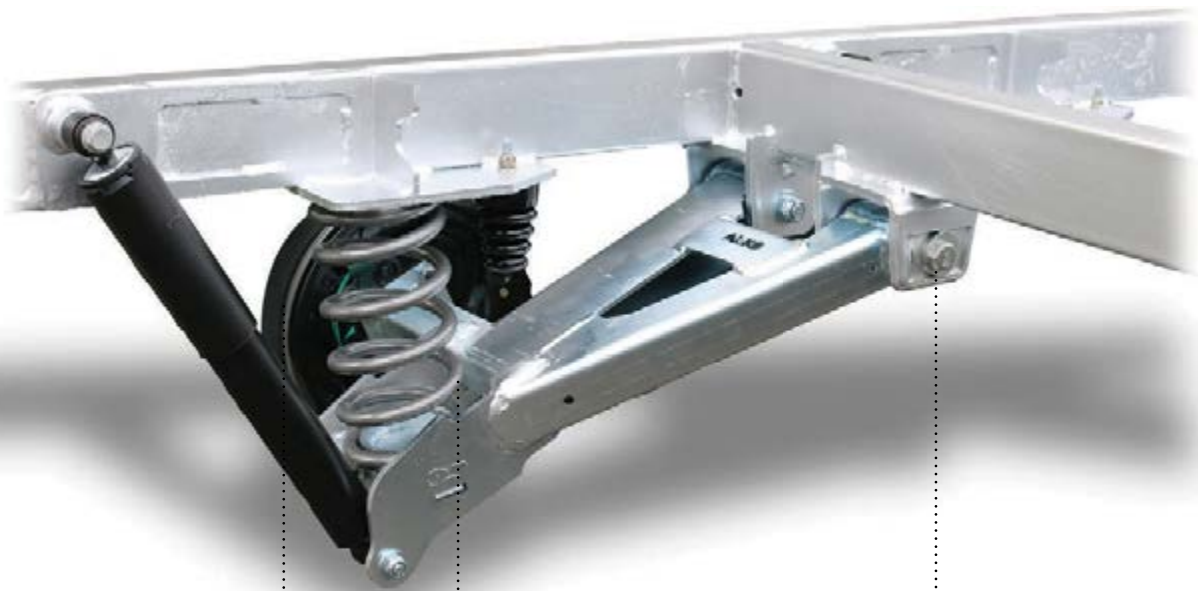
Part Number	Description	Color	Single Axle Capacity (kg)	Tandem Axle Capacity (kg)
280000HD	European caravan spare part shock absorber, heavy duty	Blue	1350kg	2700 kg
280005HD	Shock absorber red heavy duty suit 1800kg	Red	2000 kg	3000 kg
99244084	European caravan spare part shock absorber octagon	Green	900 kg	1600 kg
99244085	European caravan spare part shock absorber octagon	Blue	1350kg	2700 kg
99244086	European caravan spare part shock absorber octagon	Red	2000 kg	3500 kg

ENDURO™

TRAILING ARM SUSPENSION

Get serious about real towing freedom with AL-KO's Enduro™ independent trailing arm suspension.

The Enduro™ range gives you the ability to conquer challenging terrain while delivering comfort and handling when you need it most. Designed and engineered by AL-KO, you know it's tested for Australian conditions and made to the quality standards demanded by the global leader in caravan, motorhome and trailer chassis technology. We don't compromise, why should you? With a product range offering freedom in all terrains, there's really only one way to go – go Enduro™.



AL-KO PREMIUM HEAVY DUTY SHOCK ABSORBERS

- Designed specifically for Australian tough conditions.
- In-built rebound end stop
- Delivers control, durability and a comfortable ride.
- Rigorously tested to ensure quality
- Superior heat dissipation



QUALITY 4X4 STYLE COIL SPRINGS

- Manufactured from high quality, high stress spring steel.
- Exceeds 100,000 cycles fatigue test requirements
- Progressive rate Bump Stop.
- Durable Powder coated finish
- Delivers the best control, durability and comfortable ride across all terrain



ENDURO UNIQUE BUSH

- One time bush lubrication
- Grease application only required at initial assembly.
- Automotive quality
- Proven performance
- Maintenance free

Learn more at alkoenduro.com.au

Enduro is divided into 3 categories Touring, Cross Country & Outback. The 3 variants are engineered and designed uniquely to perform in different terrain types as outlined in the table below in the "suitable conditions" section.

FEATURES	AL-KO ENDURO Touring	AL-KO ENDURO Cross Country	AL-KO ENDURO Outback
SUITABLE CONDITIONS	Designed for comfort, control and durability on bitumen, graded dirt roads and corrugated roads for short distances.	Designed for comfort, control and durability on bitumen, graded dirt roads and corrugated roads for longer distances.	Designed for comfort, control and durability across any terrain including extreme off-road and outback roads.
Quality made 4x4 coil springs	✓	✓	✓
Automotive grade & maintenance free bushes	✓	✓	✓
Australian designed, tested & manufactured	✓	✓	✓
Single Premium Shock Absorber	✓		
Double Premium Shock Absorber		✓	✓
Camber & toe adjustment	✓	✓	✓
Progressive rate bump stop	✓	✓	✓
Electric Drum Brakes	AL-KO Brakes	AL-KO Off Road Brakes	AL-KO Off Road Brakes
Hydraulic Disc Brakes	Available	Available	Available
Rebound cable	Not required	Not required	Not required
Wheel Travel	100mm	140mm	140mm
Chassis to Spindle/stub Centre	145mm	158mm	208mm
Max ATM single	2,200kg	2,500kg	2,700kg
Max ATM tandem	3,500kg	3,500kg	4,100kg
Weight Range / Models (ATM)	Single: 1.8T & 2.2T Non load sharing Tandem: 2.9T, 3.3T, 3.5T	Single: 1.6T, 2.0T, 2.5T Non load sharing Tandem: 3.3T, 3.5T	Single: 1.2T, 1.6T, 2.0T, 2.5T, 2.6T, 2.7T Non load sharing Tandem: 2.9T, 3.7T, 4.1T
3 year Manufacturers Warranty	✓	✓	✓

*Suspension weight capacities are dependent on the wheel/tyre combination used. Please contact AL-KO for further details

PLEASE NOTE: Any caravan needs be driven at speeds with respect to the terrain being traversed, the loads carried and care of both the caravan and towing vehicle. Refer to the National Towing Guide for guidelines.



ENGINEERED AND BUILT IN AUSTRALIA FOR TOUGH CONDITIONS

Designed, manufactured and rigorously tested for durability, control, comfort and choice of terrain.



SUBJECTED TO AN EXTREME TESTING PROGRAM

Extensive pressure testing has been undertaken at dedicated research and development facilities.



FITTED WITH PREMIUM HEAVY DUTY SHOCK ABSORBERS

Heavy duty shock absorbers- designed and pressure tested to optimise performance.



DESIGNED FOR EASY INSTALLATION & ACCURATE ALIGNMENT

Provides maximum adjustability with integrated toe and camber adjustments.



QUALITY MADE 4X4 STYLE COIL SPRINGS

Coil springs manufactured with high quality, high stress spring steel that is up to 30% lighter compared standard grade steel alternatives.



MAINTENANCE FREE BUSHES

High quality maintenance free polyurethane suspension bushes require no additional grease after their initial installation.



NO-COMPROMISE APPROACH

AL-KO is proud of its uncompromising approach. Each component within the AL-KO Enduro™ independent trailing arm suspension system is tested to ensure it meets the highest quality standards and to ensure compatibility with the latest caravan safety features, such as electronic stability control (ESC), an AL-KO world breakthrough.

AXLES

SOLID, STUB & TUBE AXLES

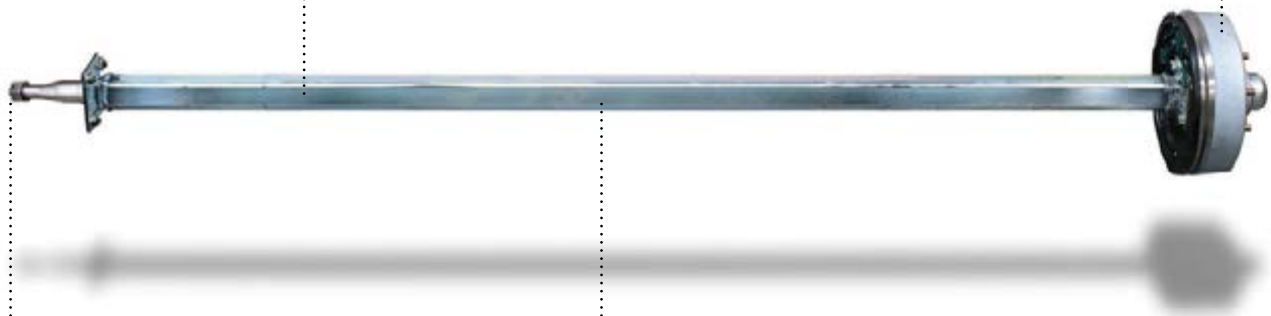
The axle is one of the most important components of any trailed product.

It is the backbone of the carrying system and care should be taken to ensure that the appropriate style and capacity of axle are chosen for your application.

All axle styles are available with a wide variety of hubs and brake types.

AL-KO only source quality materials to construct all axles. The high quality beam that is precision machined is critical in creating the strength required to carry your payload.

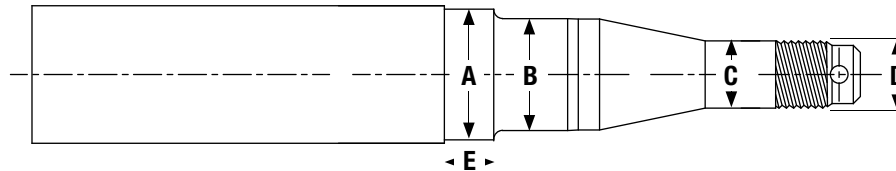
Manufactured to meet your needs for carrying capacity, length and construction type: Bare, Assembled, Straight, Overlay or Drop.



Precision machining to suit standard bearing options for a range of capacities whilst keeping replacement parts easy to come by.

Surface Finishes available include raw (black) or for more corrosive resistance zinc plated and galvanised.

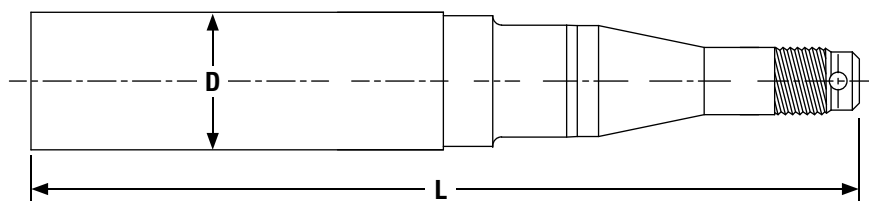
AXLE / STUB AXLE MACHINING PROFILE SELECTION



Bearing Type	Manufacturer's Bearing Number (Inner)	(B) "Nominal" Inner Bearing Diameter (mm)	Manufacturer's Bearing Number (Outer)	(C) "Nominal" Outer Bearing Diameter (mm)	(D) Thread Size & Type (inches)	(A) "Nominal" Seal Journal Diameter (mm)	(E) "Nominal" Seal Journal Length (mm)	AL-KO Seal Part Number
LM	LM 67048/10	31.75	LM 11949/10	19.05	¾" UNF - 16 TPI	37.5	14mm	491015
LM Marine	LM 67048/10	31.75	LM 11949/10	19.05	¾" UNF - 16 TPI	37.5	14mm	491017
SL	LM 68149/10	35.00	LM 12749/10	22.00	¾" UNF - 16 TPI	43.9	27mm	492015
SL Marine	LM 68149/10	36.00	LM 12749/10	23.00	¾" UNF - 16 TPI	44.9	14mm	491018
Parallel	LM 68149/10	35.00	LM 68149/10	35.00	1" UNS - 14 TPI	43.9	27mm	492015
1.5 T	LM 29749/10	38.10	LM 67048/10	31.75	1" UNS - 14 TPI	50.9	12mm	493015
2 T	HR 30210	50.00	15123 / 15245	31.75	1" UNS - 14 TPI	60.3	18mm	494015
2 T Marine	HR 30210	50.00	15123 / 15245	31.75	1" UNS - 14 TPI	60.3	15mm	494013
3 T	HR 30210	50.00	LM 29749/10	38.10	1¼" UNF	60.3	72mm	494015
3 T Marine	HR 30210	50.00	LM 29749/10	38.10	1¼" UNF	60.3	16mm	494013

BARE AXLES

STUB AXLES



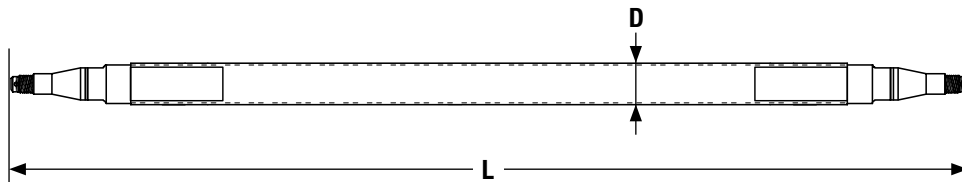
STUB AXLE STOCK LINES

Part Number	Axle Size (D)	Axle Beam Profile	Capacity Per Pair (kg)	Machining Profile and Detail	Length (L)
143911	39mm	Round	750 kg	LM	205mm
143991	39mm	Round	750 kg	LM	250mm
143920	39mm	Round	750 kg	LM	305mm
144011	40mm	Square	1000 kg	LM	205mm
144091	40mm	Square	1000 kg	LM	250mm
144092	40mm	Square	1000 kg	LM	270mm
144100	40mm	Square	1000 kg	LM with 10" Electric brake mount plate	270mm
144505	45mm	Square	1450 kg	LM marine	205mm
144508LH	45mm	Square	1450 kg	LM marine with hydraulic caliper mount plate, left hand	250mm
144508RH	45mm	Square	1450 kg	LM marine with hydraulic caliper mount plate, right hand	250mm
144509	45mm	Square	1450 kg	LM marine	250mm
144613	45mm	Round	1450 kg	SL	235mm
144620	45mm	Round	1450 kg	SL	205mm
144628	45mm	Round	1450 kg	SL marine	235mm
144622	45mm	Round	1450 kg	SL marine	205mm
144624	45mm	Round	1450 kg	SL marine	270mm
144638	45mm	Round	1450 kg	SL with 10" Electric brake mount plate	270mm
144643	45mm	Round	1600 kg	Parallel with 10" Electric brake mount plate	270mm
144645	45mm	Round	1450 kg	SL with 9" hydraulic drum brake mount plate	270mm
144647	45mm	Round	1450 kg	SL marine with hydraulic caliper mount plate suits 14" Rotor	270mm
144650	45mm	Round	1450 kg	SL marine with mechanical caliper mount plate suits 16" Rotor	270mm
144516	45mm	Square	1500 kg	1.5T	235mm
145019	50mm	Square	2000 kg	2T with marine collar	330mm
145033DM	50mm	Square	2000 kg	2T marine with hydraulic and mechanical caliper mount plate	330mm
145033HM	50mm	Square	2000 kg	2T marine with hydraulic caliper mount plate	330mm
145038	50mm	Square	2000 kg	2T with 12" Electric brake mount plate suits 2 piece hub drum	305mm
145038HD	50mm	Square	2000 kg	2T with 12" Electric brake mount plate suits 1 piece hub drum	310mm
145615	56mm	Round	2000 kg	2T	235mm
146516	65mm	Round	3000 kg	3.0T	360mm

BARE AXLES

STRAIGHT TUBE AXLES

The straight axle is the simplest and the most common. For maintained carrying capacity with a weight saving, AL-KO provide engineered tube axles constructed from thick wall Australian made 450 grade steel tube. Precession made stub axles are aligned, seam and plug welded then checked for quality.



Square Tube Size (D)	Stub Profile	Axle Carrying Capacity (kg)	Machining Profile	Maximum Wheel Overhang		Length (L)
				Highway	Off-road	
50x50x6mm Square	39mm Round	750 kg	LM	285mm	215mm	Axles can be manufactured to your required length (to nearest 5mm increment)
50x50x6mm Square	40mm Square	1000 kg	LM	285mm	215mm	
50x50x6mm Square	45mm Round	1200 kg	SL	285mm	215mm	
50x50x6mm Square	45mm Square	1450 kg	SL	285mm	215mm	
50x50x6mm Square	50mm Round	1450 kg	SL	285mm	215mm	
50x50x6mm Square	50mm Square	1450 kg	SL	285mm	215mm	

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.

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

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	Axles can be manufactured to your required length (to nearest 5mm increment)
45mm	Square	1450 kg	Parallel	
50mm	Round	1450 kg	SL	
50mm	Square	1450 kg	SL	
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.

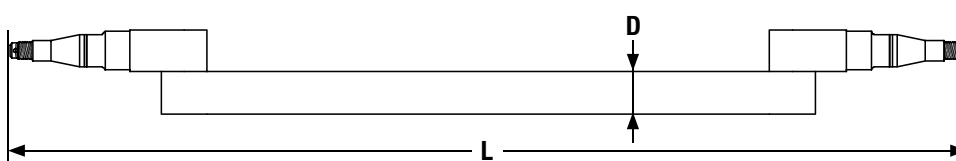
***NB** Brake mounting flange can be fitted upon request to suit your braking requirements.

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.

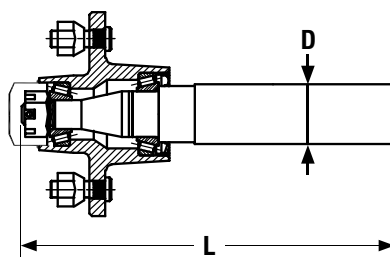
Larger capacities available on request.

HUB & STUB AXLE UNBRAKED

STRAIGHT

When building a towable that requires something that can not be achieved with a traditional build, the go to answer is usually hub stub assemblies. These assemblies allow for freedom in constructing a tailored solution to meet your specific needs.

Below is a range overview of the stub axle material and compatible bearing structures, use the stub axle listing on page 17 for assistance in standard lengths.



Stub Axle Size (D)	Beam Profile (D)	Carrying Capacity Per Pair (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter
39mm	Round	750 kg	LM	Stub Axles can be manufactured to your required length (to nearest 5mm increment)	14"
40mm	Square	1000 kg	LM		14"
45mm	Round	1200 kg	SL		16"
45mm	Square	1450 kg	SL		14"
45mm	Square	1400 kg	1.5 tonne		16"
45mm	Square	1450 kg	Parallel		16"
50mm	Round	1600 kg	Parallel		16"
50mm	Square	1500 kg	1.5 tonne		16"
50mm	Square	1600 kg	Parallel		16"
50mm	Square	2000 kg	2.0 tonne		16"
56mm	Round	2000 kg	2.0 tonne		16"
63mm	Square	3000 kg	3.0 tonne		16" / Bedford
65mm	Round	2500 kg	3.0 tonne		16"

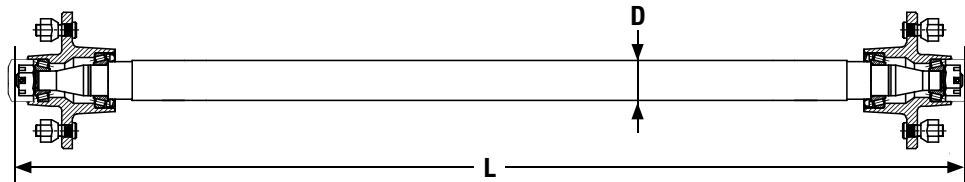
Available Coatings - Natural, zinc plated or hot dipped galvanised. All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

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

***NB** Stub axle assemblies are supplied as each not pairs.

UNBRAKED AXLES

STRAIGHT (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Axle Carrying Capacity (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter
39mm	Round	750 kg	LM	Whilst some standard axles lengths are carried in stock, lengths are for the majority of product made to order within 5mm.	14"
40mm	Square	1000 kg	LM		14"
45mm	Round	1200 kg	SL		14"
45mm	Square	1450 kg	SL		16"
45mm	Square	1500 kg	1.5 tonne		16"
50mm	Round	1450 kg	SL		16"
50mm	Square	1500 kg	1.5 tonne		16"
50mm	Square	1450 kg	SL		16"
50mm	Square	2000 kg	2.0 tonne		16"
60mm	Round (Tube)	1450 kg	SL		16"
63mm	Square	3000 kg	3.0 tonne		16"
65mm	Round	2500 kg	2.0 tonne		16"
65mm	Square tube	2000 kg	2.0 tonne		16"
75mm	Round	3500 kg	3.0 tonne		16"

AL-KO manufactures solid & tube axles to suit most popular wheel patterns, see page 4 for more information on PCDs. For fitment of less common wheel types, please contact your nearest AL-KO branch.

All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

Various 39rd, 40sq & 45sq axle sizes & lengths are kept in stock.

Helpful Hint:

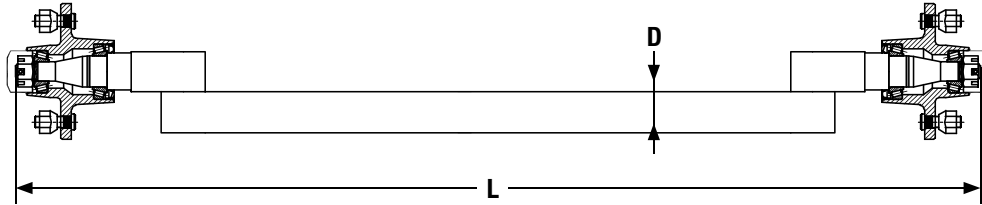
For more comprehensive details of axle/stub axle machining profiles, please refer to the table on page 17

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.

UNBRAKED AXLES

OVERLAY (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Stub Axle Size / Profile	Axle Carrying Capacity (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter
40mm	Square	39mm round	1000 kg	LM	Axles can be manufactured to your required length (to nearest 5mm increment)	14"
45mm	Square	45mm round	1200 kg	SL		16"
45mm	Square	45mm round	1450 kg	SL		14"
50mm	Square	56mm round	2000 kg	2.0 tonne		16"

AL-KO manufactures axles to suit most popular wheel patterns, see page 4 for more information on PCDs. For fitment of less common wheel types, please contact your nearest AL-KO branch.

All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order

Various 39rd, 40sq & 45sq axle sizes & lengths are kept in stock.

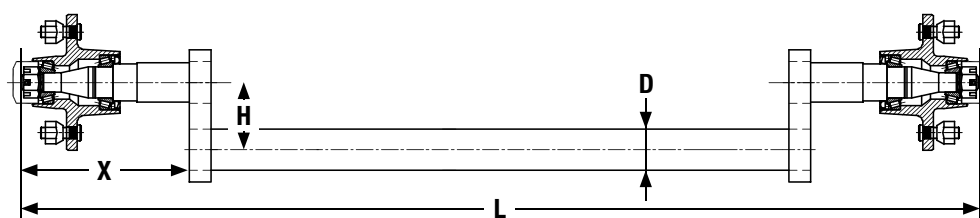
Larger capacities available upon request.

Helpful Hint:

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

UNBRAKED AXLES

DROP (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Stub Axle Size / Profile	Axle Carrying Capacity (kg)	Machining Profile	Drop Height (H) mm/inches	Length (L)	Max Permissible Wheel Diameter
40mm	Square	39mm round	1000 kg	LM	65mm (2½") 75mm (3") 100mm (4")	Axles can be manufactured to your required length (to nearest 5mm increment)	14"
45mm	Square	45mm round	1450 kg	SL	65mm (2½") 75mm (3") 90mm (3½") 100mm (4")		16"
50mm	Square	56mm round	1450 kg	SL	75mm (3") 100mm (4")		14"
50mm	Square	56mm round	1600 kg	Parallel	75mm (3") 100mm (4")		16"
50mm	Square	56mm round	2000 kg	2.0 tonne	75mm (3") 100mm (4")		16"

AL-KO manufactures axles to suit most popular wheel patterns, see page 4 for more information on PCDs. For fitment of less common wheel types, please contact your nearest AL-KO branch.

All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

Various 39rd, 40sq & 45sq axle sizes & lengths are kept in stock, ranging from 1625mm to 2465mm in 25mm increments.

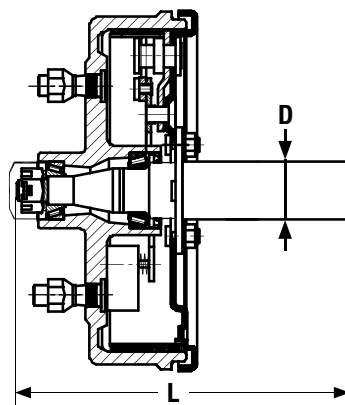
Helpful Hint:

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.

HUB & STUB AXLE BRAKED STRAIGHT



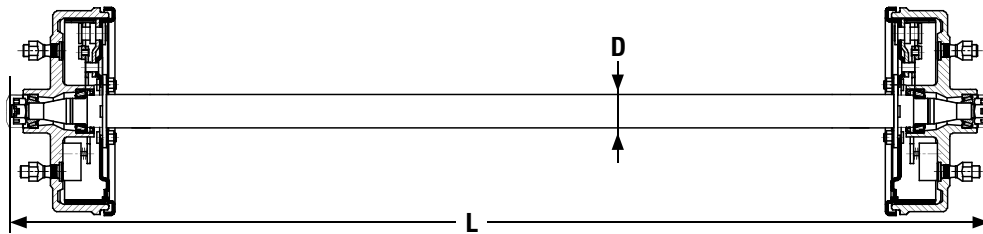
Stub Axle Size (D)	Stub Profile (D)	Carrying Capacity Per Pair (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter	Common Brake Options
39mm	Round	750 kg	LM	Stub Axles can be manufactured to your required length (to nearest 5mm increment)	14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
40mm	Square	1000 kg	LM		14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1450 kg	SL		14"	10" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Round	1200 kg	SL		16"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1400 kg	1.5 tonne		16"	10" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1450 kg	Parallel		16"	10" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Round	1600 kg	Parallel		16"	10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	1500 kg	1.5 tonne		16"	10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	1600 kg	Parallel		16"	10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc
56mm	Round	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc
63mm	Square	3000 kg	3.0 tonne		16" / Bedford	12" Electric, Hydraulic Disc
65mm	Round	2500 kg	3.0 tonne		16"	12" Electric, Hydraulic Disc

AL-KO manufactures stub axle assemblies to suit most popular wheel patterns, see page 4 for more information on PCDs. For fitment of less common wheel types, please contact your nearest AL-KO branch.

For further information on brake options shown, reference the brakes section on page 39

BRAKED AXLES

STRAIGHT (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Axle Carrying Capacity (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter	Common Brake Options
40mm	Square	1000 kg	LM	Whilst some standard axles lengths are carried in stock, The majority are made to order within 5mm.	14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Round	1200 kg	SL		14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1200 kg	SL		16"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1450 kg	SL		14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	1500kg	1.5 Tonne		16"	12" Electric, 10" Hydraulic, Mechanical Disc & Hydraulic Disc
50mm	Round	1450 kg	SL		14"	9" Hydraulic, 9" Mechanical, 10" Electric, Mechanical Disc Hydraulic Disc
50mm	Square	1450 kg	SL		14"	9" Hydraulic, 9" Mechanical, 10" Electric, Mechanical Disc Hydraulic Disc
50mm	Square Tube	1450 kg	SL		14"	10" Electric, 9" Hydraulic, Mechanical Disc Hydraulic Disc
50mm	Square	1500kg	1.5 Tonne		16"	12" Electric, 10" Hydraulic, Hydraulic Disc, Mechanical Disc
50mm	Square	1600kg	Parallel		Limited drilling patterns - 16"	10" Electric, 10" Hydraulic, Mechanical Disc Hydraulic Disc
50mm	Square	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc
56mm	Round	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc
60mm	Round Tube	1450 kg	SL		14"	Hydraulic 10", Electric, Mechanical Disc, Hydraulic Disc
63mm	Square	3000 kg	3.0 tonne		16"	12" Electric
65mm	Round	2500 kg	2.0 tonne		16"	12" Electric
65mm	Square Tube	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc

**** Capacities shown are axle capacities and may not necessary reflect compatible brake performance.**

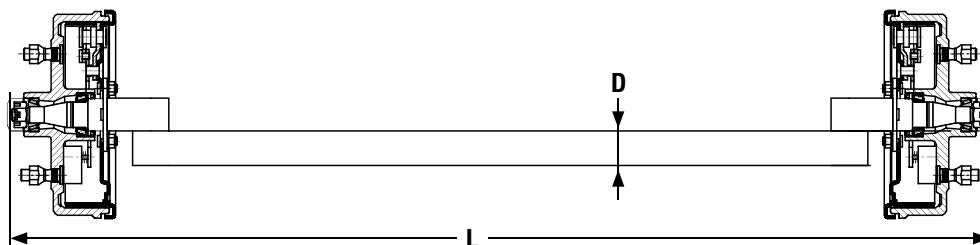
All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order

Various 39rd, 40sq & 45sq axle sizes & lengths are kept in stock, ranging from 1625mm to 2465mm in 25mm increments

For further information on brake options shown, reference the brakes section on page 39

BRAKED AXLES

OVERLAY (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Stub Axle Size / Profile	Axle Carrying Capacity (kg)	Machining Profile	Length (L)	Max Permissible Wheel Diameter	Common Brake Options
40mm	Square	39mm round	1000 kg	LM	Axles can be manufactured to your required length (to nearest 5mm increment)	14"	9" Mechanical,
45mm	Square	45mm round	1200 kg	SL		16"	9" Hydraulic, 10" Electric, Mechanical Disc &
45mm	Square	45mm round	1450 kg	SL		14"	Hydraulic Disc
50mm	Square	50mm round	1600 kg	Parallel			10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	56 mm round	2000 kg	2.0 tonne		16"	12" Electric, Hydraulic Disc, Mechanical Disc

**** Capacities shown are axle capacities and may not necessary reflect compatible brake performance.**

All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order.

Various 39rd, 40sq & 45sq axle sizes & lengths are kept in stock, ranging from 1625mm to 2465mm in 25mm increments

For further information on brake options shown, reference the brakes section on page 39

Helpful Hint:

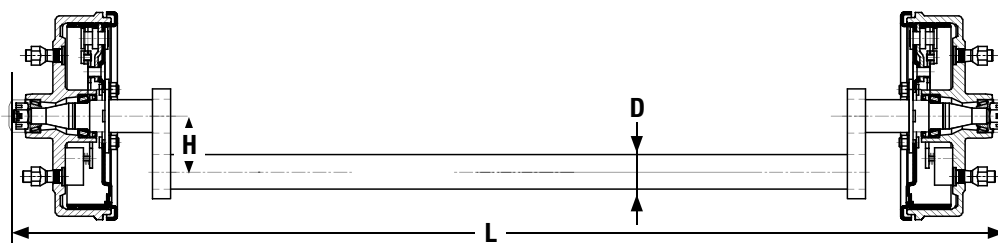
For more comprehensive details of axle/stub axle machining profiles, please refer to the table on page 17

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.

BRAKED AXLES

DROP (ASSEMBLED)



Axle Size (D)	Axle Beam Profile	Stub Axle Size / Profile	Axle Carrying Capacity (kg)	Machining Profile	Drop Height (H) mm/ inches	Length (L)	Max Permissible Wheel Diameter	Common Brake Options
40mm	Square	39mm round	1000 kg	LM	65mm (2½") 75mm (3") 90mm (3½") 100mm (4")	Axles can be manufactured to your required length (to nearest 5mm increment)	14"	9" Mechanical, 9" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
45mm	Square	45mm round	1450 kg	SL	65mm (2½") 75mm (3") 90mm (3½") 100mm (4")		16"	9" Mechanical, 10" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	56mm round	1450 kg	SL	75mm (3") 100mm (4")		14"	9" Mechanical, 10" Hydraulic, 10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	56mm round	1600 kg	Parallel	75mm (3") 100mm (4")		16"	10" Electric, Mechanical Disc & Hydraulic Disc
50mm	Square	56mm round	2000 kg	2.0 tonne	75mm (3") 100mm (4")		16"	12" Electric, Hydraulic Disc, Mechanical Disc

**** Capacities shown are axle capacities and may not necessary reflect compatible brake performance.**

All axles are standard raw black material. Hot dipped galvanised or zinc plated available on request when placing order

Other combinations of capacity, length and drop height can be made to order. Contact AL-KO for details.

For further information on brake options shown, reference the brakes section on page 39

Helpful Hint:

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

AXLE ASSEMBLY PARTS

LM & SL



190001
Washer 3/4" I.D. x 1 1/2" ZINC
Suits LM & SL Machinings



190002
Nut slotted 3/4" UNF
Suits LM & SL Machinings



190003
Split pin 4mm x 25mm ZINC
Suits LM & SL Machinings

1.5T, Parallel, 2T, 2.5T



190015
Washer 25.9 I.D. x 53.6 O.D. x 3.9
Suits 1.5T, Parallel, 2T, 2.5T Machinings



190007
Nut slotted 1" UNS 14TPI
Suits 1.5T, Parallel, 2T 2.5T Machinings



190005
Split pin 5mm x 40mm
Suits 1.5T, Parallel, 2T 2.5T Machinings

3T



190020
Washer 1 1/4" I.D. x 2 3/8" O.D. x 3/16"
Suits 3T Machinings



190008
Nut slotted 1 1/4" UNF
Suits 3T Machinings



190006
Split pin 6.3mm x 50mm
Suits 3T Machinings

Kits

Part No.	Description
192100	Axle nut, pin and washer (SL, LM)
192200	Axle nut, pin and washer (Parallel, 1.5 tonne, 2.0 tonne)
192300	Axle nut, pin and washer (3 tonne)

Brake to Axle



190052
Washer 3/8" EXT Shake proof
Suits 12" Electric Brake & 9" Hydraulic Brake



190054
Washer 7/16" EXT shake proof
Suits 10" Electric Brake & 9" Mechanical Brake



190056
Washer flat 7/16" x 7/8" ZINC
Suits 10" Electric Brake, 9" Mechanical Brake



390011
Mounting nut hex 3/8" UNF
Suits 12" Electric Brake & 9" Hydraulic Brake



390021
Nut hex 7/16 UNF zinc plated
Suits 10" Electric Brake & 9" Mechanical Brake

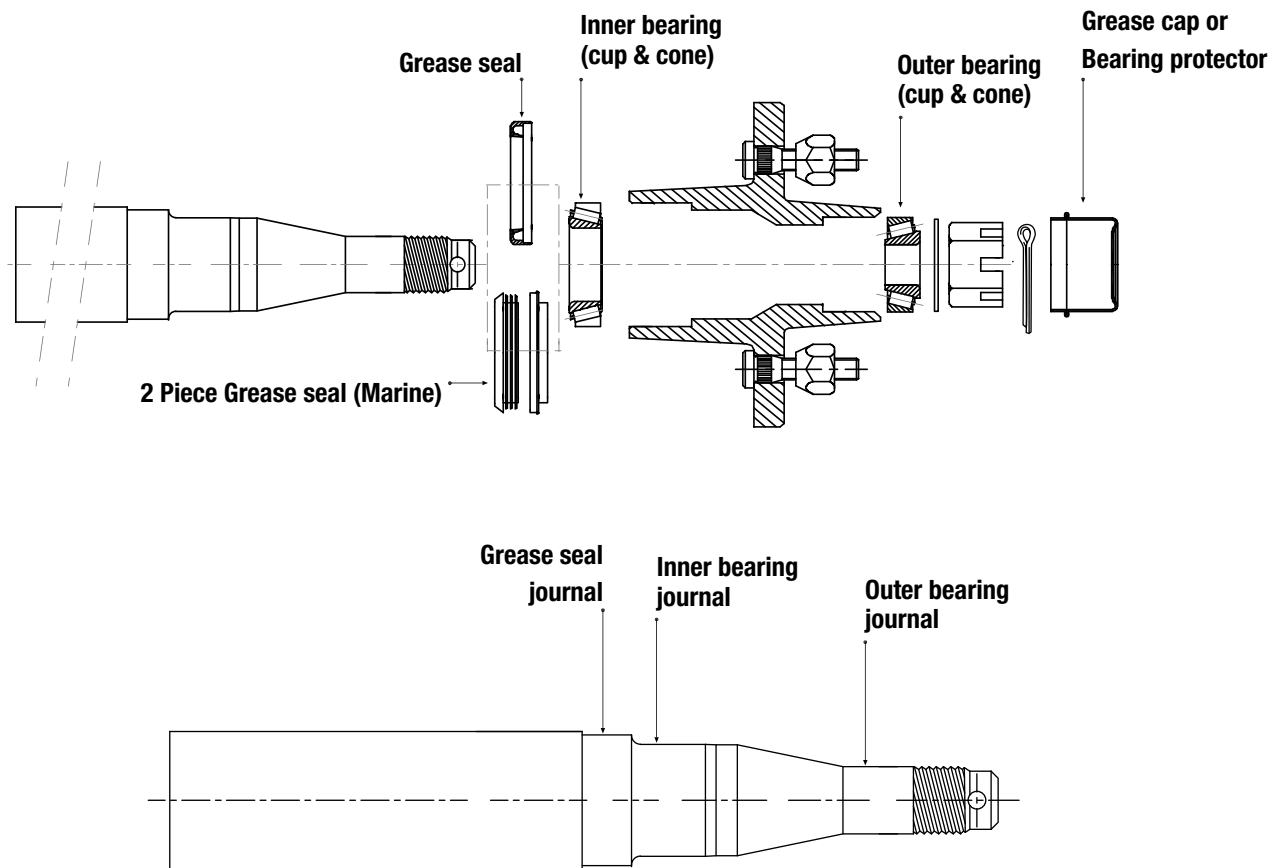


390015
Mounting Bolt 3/8"
Suits 12" Electric Brake & 9" Hydraulic Brake

BEARINGS & BEARING SETS

Bearings comprise of two parts, the cup which is pressed into the hub and the cone, this is the part that contains the rollers of the bearing. Bearings should always be replaced in a set, that is the cup and cone together. In a bearing combination in a hub, the bearing on the inside of the hub flange (the side closest to the centre of the trailer) is called the inner bearing. The bearing on the outside is called the outer bearing. The diagrams below help illustrate the location and terminology of bearings in the hub and on the stub.

BEARING SET DETAILS



LM Bearing

Description	Part No.	Part No. Japanese	Part No. Chinese	Manufacturers Part No.	Housing diameter nominal	Bearing journal/ seal journal diameter nominal
Inner cup	-	491006	491106	LM67010 (Holden Inner)	59.10 mm	N/A
Inner cone	-	491007	491107	LM67048 (Holden Inner)	N/A	31.75mm
Outer cup	-	491011	491111	LM11910 (Holden outer)	45.20 mm	N/A
Outer cone	-	491012	491112	LM11949 (Holden outer)	N/A	19.05mm
Grease seal	491015	-	-	28550	59.10 mm	37.5mm
Grease cap	491020	-	-	DC1	45.20 mm	N/A
Grease seal marine	491017	-	-	N/A	N/A	37.5mm
Seal backing ring	491019	-	-	N/A	59.10 mm	N/A
Bearing Protector, no cap (Pair)	630010	-	-	N/A	45.20 mm	N/A
Bearing Protector, with cap (Pair)	630020	-	-	N/A	45.20 mm	N/A
Bearing Protector Cap – each	630015	-	-	N/A	45.20 mm	N/A

SL Bearing (Slimline)

Description	Part No.	Part No. Japanese	Part No. Chinese	Manufacturers Part No.	Housing diameter nominal	Bearing journal/ seal journal diameter nominal
Inner cup	-	492006	491121	L68110 (Ford inner)	59.10 mm	N/A
Inner cone	-	492007	491122	L68149 (Ford inner)	N/A	35.0mm
Outer cup	-	492011	491131	LM12710 (Ford outer)	45.20 mm	N/A
Outer cone	-	492012	491132	LM12749 (Ford outer)	N/A	22.0mm
Grease seal	492015	-	-	28600	59.10 mm	43.9mm
Grease cap	491020	-	-	DC1	45.20 mm	N/A
Grease seal marine	491018	-	-	N/A	N/A	43.9mm
Seal backing ring	491019	-	-	N/A	59.10 mm	N/A
Bearing Protector, no cap (Pair)	630010	-	-	N/A	45.20 mm	N/A
Bearing Protector, with cap (Pair)	630020	-	-	N/A	45.20 mm	N/A
Bearing Protector Cap – each	630015	-	-	N/A	45.20 mm	N/A

1.5 Tonne Bearing

Description	Part No.	Manufacturers Part No.	Housing diameter nominal	Bearing journal/seal journal diameter nominal
Inner cup	493003	LM29710	65.06mm	N/A
Inner cone	493004	LM29749	N/A	38.10mm
Outer cup	491006	LM67010	59.10mm	N/A
Outer cone	491007	LM67048	N/A	31.75mm
Grease seal	493015	30400	68.96mm	50.9mm
Grease cap	493020	DC2	63.0 mm	N/A

Parallel Bearing

Description	Part No.	Part No. Japanese	Part No. Chinese	Manufacturers Part No.	Housing diameter nominal	Bearing journal/ seal journal diameter nominal
Inner cup	-	492006	491121	L68110 (Ford inner)	59.10 mm	N/A
Inner cone	-	492007	491122	L68149 (Ford inner)	N/A	35.0mm
Outer cup	-	492006	491121	L68110 (Ford inner)	59.10 mm	N/A
Outer cone	-	492007	491122	L68149 (Ford inner)	N/A	35.0mm
Grease seal	492015	-	-	28600	59.10 mm	43.9mm
Grease cap	493020	-	-	DC2	63.0 mm	N/A
Grease seal marine	491018	-	-	N/A	N/A	43.9mm
Seal backing ring	491019	-	-	N/A	59.10 mm	N/A

2/2.5 Tonne Bearing

Description	Part No.	Manufacturers Part No.	Housing diameter nominal	Bearing journal/seal journal diameter nominal
Inner cup	494006	HR30210	89.96mm	N/A
Inner cone	494007	HR30210	N/A	50.00mm
Outer cup	494011	15245	61.95mm	N/A
Outer cone	494012	15123	N/A	31.75mm
Grease seal	494015	64607	89.96mm	60.3mm
Grease cap	493020	DC2	63.00mm	N/A

3 Tonne Bearing

Description	Part No.	Manufacturers Part No.	Housing diameter nominal	Bearing journal/seal journal diameter nominal
Inner cup	494006	HR30210	89.96mm	N/A
Inner cone	494007	HR30210	N/A	50.00mm
Outer cup	493003	LM29710	65.06mm	N/A
Outer cone	493004	LM29749	N/A	38.10mm
Grease seal	494015	64607	89.96mm	60.3mm
Grease cap	495020	DC3	76.00mm	N/A

BEARING KITS SKIN PACKED

LM



482005
Trailer Bearing Kit skin pack,
Japanese, LM

LM



482015
Trailer Bearing Kit skin pack,
Chinese, LM

LM



482051
Marine Bearing Kit skin pack,
Japanese, LM

LM



482021
Marine Bearing Kit skin pack,
Chinese, LM

SL



484005
Trailer Bearing Kit skin pack,
Japanese, SL

SL



482036
Trailer Bearing Kit skin pack,
Chinese, SL

SL



484051
Marine Bearing Kit skin pack,
Japanese, SL

SL



484055
Marine Bearing Kit skin pack,
Chinese, SL

1.5T



485001
Trailer Bearing Kit skin pack,
Japanese, 1500kg

Parallel



484501
Trailer Bearing Kit skin pack,
Japanese, 1600kg

2T



487001
Caravan Bearing Kit skin pack,
Japanese, 2,00kg

2T



487002M
Marine Bearing Kit skin pack,
Japanese, 2,000kg

Helpful Hint:

For more comprehensive details of these kits please consult the information on the previous pages.

BEARING KITS LOOSE

LM



482000

Bearing Kit LM, Japanese.
Cap, Seal, Cups & Cones.

LM



482000NC

Bearing cone Kit LM, Japanese.
Cap, Seal & Cones.

LM



482020

Marine Bearing Kit LM, Chinese.
Cap, Marine Seal, Cups & Cones.

LM



482025

Bearing Kit, Chinese, LM.
Cap, Seal, Cups & Cones.

LM



482025NC

Bearing Kit LM, Chinese.
Cap, Marine Seal & Cones.

LM



482050

Marine Bearing Kit LM, Japanese.
Cap, Marine Seal, Cups & Cones.

SL



482035

Bearing Kit SL, Chinese.
Cap, Seal, Cones & Cups.

SL



482035NC

Bearing cone Kit SL, Chinese. Cap,
Seal & Cones.

SL



482040

Marine Bearing Kit SL, Chinese.
Cap, Marine Seal, Cups & Cones.

SL



484000

Bearing Kit SL, Japanese.
Cap, Seal, Cups & Cones.

SL



484000NC

Bearing cone Kit SL, Japanese.
Cap, Seal & Cones.

SL



484050

Marine Bearing kit SL, Japanese.
Cap, Marine Seal, Cups & Cones.

Parallel



484500

Bearing kit parallel,
Japanese. Cap, Seal, Cups
& Cones.

Parallel



484500NC

Bearing cone kit parallel.
Cap, Seal & Cones.

2T



487000

Bearing kit (2000 kg Per
Pair). Cap, Seal, Cups &
Cones.

2T



487000M

Bearing kit (2000 kg Per
Pair) Marine. Cap, Marine
Seal, Cups & Cones.

3T



488000

Trailer Bearing Kit,
Japanese, (3000 kg Per
Pair). Cap, Seal, Cups &
Cones.

GREASE CAPS, BEARING PROTECTORS & SEALS



491020
Grease cap H26 suits LM & SL
Suits nominal
housing diameter: 45.2mm



493020
Grease cap DC2 suit parallel,
1.5 tonne, 2 tonne & 2.5 tonne.
Suits nominal
housing diameter: 63.0mm



493020P
Grease cap DC2 black coated suit
parallel /1.5t & 2 t size 2 1/2in
Suits nominal
housing diameter: 63.0mm



495020
Grease cap 3 tonne
Suits nominal
housing diameter: 76.0mm



630010
Bearing Protector, no cap (Pair)
Suits nominal
housing diameter: 59.1mm



630020
Bearing Protector, with cap (Pair)
Suits nominal
housing diameter: 59.1mm



630015
Bearing Protector cap – each
Suits: 630020



491015
Grease Seal, LM Single lip
Suits nominal
housing diameter: 59.1mm
Seal Journal: 37.5mm



491016
Grease Seal, LM Double lip
Suits nominal
housing diameter: 59.1MM
Seal Journal: 37.5mm



491017
Grease Seal Marine, LM - 2 Piece
Suits nominal
housing diameter: 59.1MM
Seal Journal: 37.5mm



491018
Grease Seal Marine, SL - 2 Piece
Suits nominal
housing diameter: 59.1MM
Seal Journal: 43.9mm



492015
Grease Seal, SL
Suits nominal
housing diameter: 59.1mm
Seal Journal: 43.9mm



493015
Grease Seal, 1.5T
Suits nominal
housing diameter: 59.1mm
Seal Journal: 43.9mm



493017
Grease Seal Marine 1.5T
Suits nominal
housing diameter: 59.1mm
Seal Journal: 43.9mm



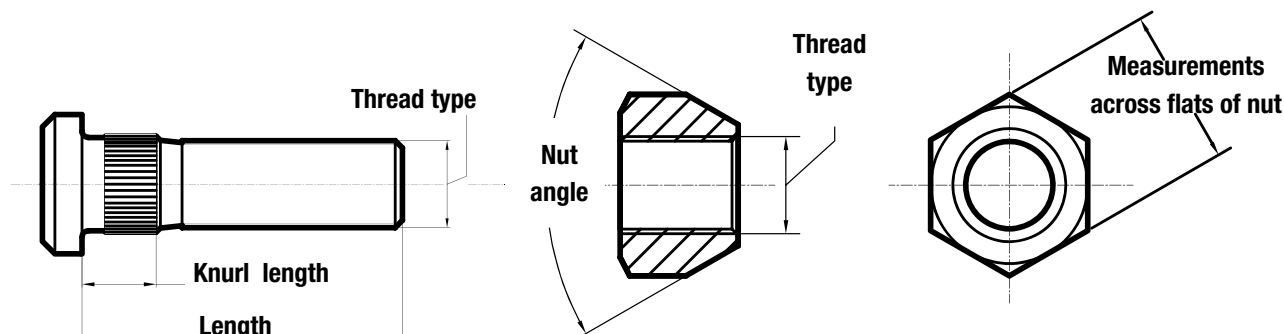
494015
Grease Seal 2/2.5/3T
Suits nominal
housing diameter:
89.96mm
Seal Journal: 60.3mm



494015
Grease Seal Marine 2/2.5/3T
Suits nominal
housing diameter: 89.96mm
Seal Journal: 60.3mm

WHEEL STUDS & NUTS

AL-KO wheel studs are all fitted using a knurled section that stops the stud from rotating. Always ensure that only quality studs and nuts are used, which are correct for the wheel selected.



WHEEL STUDS

Part No.	Description	Thread Type & Size	Length From Under Head	Nominal Hole Diameter	Knurl Length From Under Head
490200	7/16" UNF short knurl	7/16" UNF	41mm	13.5mm	5mm
490205	Plated 7/16" UNF short knurl	7/16" UNF	41mm	13.5mm	8mm
490300	1/2" UNF short knurl	1/2" UNF	41mm	13.5mm	9mm
490301	1/2" UNF short knurl industrial	1/2" UNF	51mm	15.5mm	11mm
490301PL	Plated 1/2" UNF short knurl industrial	1/2" UNF	51mm	15.5mm	11mm
490302	1/2" UNF long knurl industrial	1/2" UNF	57mm	15.5mm	21mm
490305	Plated 1/2" UNF Short knurl	1/2" UNF	41mm	13.5mm	9mm
490358	Plated M12 short knurl	M12 x 1.5	41mm	13.5mm	5mm
490340	M14 x 50mm short knurl	M14 x 1.5	50mm	15.5mm	11mm
490345	M14 x 58mm long knurl	M14 x 1.5	58mm	15.5mm	23.5mm
490357PL	Plated M12 short knurl industrial	M12	51mm	15.5mm	11mm
490400	9/16" UNF short knurl	9/16" UNF	50mm	15.5mm	12mm
490401	9/16" UNF long knurl	9/16" UNF	57mm	15.5mm	22mm
490402	9/16" UNF short knurl – for 5 stud L/Cruiser	9/16" UNF	50mm	15.5mm	12mm
490501	5/8" UNF long knurl	5/8" UNF	57mm	17.5mm	22mm
490502	5/8" UNF special – short knurl R/Rover 10" Electric	5/8" UNF	51mm	17.5mm	12mm
490600	7/8" BSF short knurl	7/8" BSF	63mm	23.5mm	17mm
490601	7/8" BSF long knurl	7/8" BSF	70mm	23.5mm	23mm

WHEEL NUTS

Part Number	Description	Thread Type and Size	Nut Angle	Measurement Across Flats of Nut
490251	7/16" UNF x 60°	7/16" UNF	60°	19mm
490350	1/2" UNF x 60°	1/2" UNF	60°	20.5mm
490355	M12 x 60°	M12	60°	19mm
490451	9/16" UNF x 80°	9/16" UNF	80°	23.8mm (15/16")
490460	9/16" UNF x 60° – for 5 stud L/Cruiser	9/16" UNF	60°	22mm
490551	5/8" UNF radius	5/8" UNF	Radius	25.4mm (1")
490650	7/8" BSF	7/8" BSF	80°	31.75mm (1.25")

BRAKES



AUSTRALIAN DESIGN RULES

As Applicable to trailed vehicles less than 4.5 Tonne Aggregate Trailer Mass

Note: The following is a brief outline of some of the ADR requirements, for more detailed information please contact your nearest AL-KO Branch or the Australian Department of Infrastructure, Regional Development and Cities.

Braking

- Trailers up to 750 kg Gross Trailer Mass (GTM) – no brakes required .
- Trailers 750 kg up to 2000 kg Gross Trailer Mass (GTM) – brakes on at least 1 axle.
"Efficient" over-run brakes acceptable (Electric Brakes / Power Assisted Brakes acceptable)
- Trailers 2000 kg to 4500 kg Gross Trailer Mass – brakes on all wheels. Independent Brakes (Electric / Power Assisted with control from driver whilst in driver's seat) with breakaway system to automatically apply trailer brakes fully for at least 15 minutes (Electric or Power Assisted).
- Trailers above 4500 kg Gross Trailer Mass – brakes on all wheels. Trailers in this weight category must comply with the requirements set out in ADR 38.

Note: This information is a guide only and correct at the time of printing. We suggest customers contact the Australian Department of Infrastructure, Regional Development and Cities for specific advice pertaining to meeting your lawful requirements.

AL-KO BRAKES

AL-KO STOCK A WIDE RANGE OF BRAKING OPTIONS TO SUIT YOUR APPLICATION EACH WITH A QUALITY ASSURANCE OF RELIABILITY FOR STOP AFTER STOP PERFORMANCE.



Electric Drum Brakes

Smooth efficient braking when operated with a quality brake controller.

With and without park brake option.

Breakaway capable to conform with the ADR requirements.

Available in "Off Road" for extreme rough roads.



Hydraulic Drum Brakes

Similar to those used in the automotive industry for many years.

Reliable and efficient.

The simplicity of hydraulic lines for installation and maintenance.

Perfect partner for on road over run brake system on light to mid weight trailers.



Hydraulic Calipers

Available in either stainless steel or DACROMET™ finish. Both with corrosion resistant Piston.

Break away capable to conform with the ADR requirements.

Ideal for marine over run brake system on light to mid weight trailers and power assisted for heavier applications using AL-KO IQ7

Suitable for 12mm to 15mm thick rotors.



Mechanical Drum Brakes

Mechanical drum brakes are used for applications where simplicity and robust components are required.



Mechanical Calipers

For applications where resistance to corrosion is paramount.

The open nature of disc brakes makes washing after salt water immersion a simple task.

Light duty & Heavy duty models are available and come in two configurations, forward pull and centre pull.

BRAKES

ELECTRIC DRUM BRAKE ASSEMBLIES

Provide smooth efficient braking when operated by a vehicle mounted controller, which also provides the ability for the driver to manually apply the trailer brakes independent of the tow vehicle braking system. They are available both with and without park brake actuation and when used on trailers over 2000 kg gross trailer mass (GTM) can be activated in a break away situation to conform with the Australian Design Rule requirements.

For extreme rough road use we recommend the AL-KO "Off Road" version of electric brakes which are specifically modified to prolong brake componentry life in extreme rugged conditions.

AL-KO PREMIUM ELECTRIC DRUM BRAKES

10" No Park

331202 (Pair)



331201 (Left hand) 331200 (Right hand)

Recommended maximum load on 13"/14" wheels
1600 kg per pair

Recommended maximum load on 15"/16" wheels
1400 kg per pair

Mounting Detail

4 x 7/16" UNF x 76.15mm PCD

10" With Park

331102 (Pair)



331101 (Left hand) 331100 (Right hand)

Park Brake: Yes

Recommended maximum load on 13"/14" wheels
1600 kg per pair

Recommended maximum load on 15"/16" wheels
1400 kg per pair

Mounting Detail

4 x 7/16" UNF x 76.15mm PCD

12" With Park

331302 (Pair)



331301 (Left hand) 331300 (Right hand)

Park Brake: Yes

Recommended maximum load on 13"/14" wheels
N/A

Recommended maximum load on 15"/16" wheels
2500 kg per pair

Mounting Detail

5 x 3/8" UNF x 98mm PCD Not equally spaced

AL-KO OFF ROAD ELECTRIC DRUM BRAKE

10" With Park

331152 (Pair)



331151 (Left hand)

331150 (Right hand)

Park Brake: Yes

Recommended maximum load on 13"/14" wheels

1600 kg per pair

Recommended maximum load on 15"/16" wheels

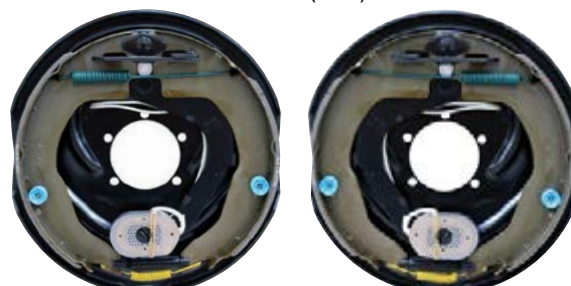
1400 kg per pair

Mounting Detail

4 x 7/16" UNF x 76.15mm PCD

12" With Park

331352 (Pair)



331351 (Left hand)

331350 (Right hand)

Recommended maximum load on 13"/14" wheels
N/A

Recommended maximum load on 15"/16" wheels

2500 kg per pair

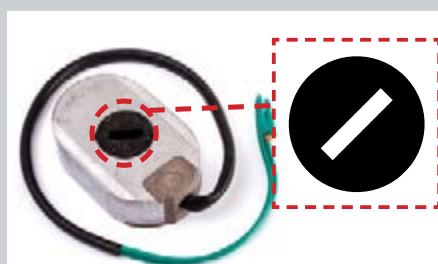
Mounting Detail

5 x 3/8" UNF x 98mm PCD Not equally spaced

AL-KO's Off Road Magnet

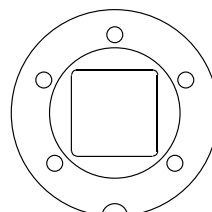
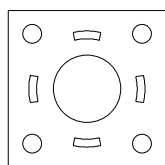
For off road application AL-KO have developed a unique magnet specifically designed to prolong magnet life. This magnet is identified by a special high tech "plastic" core in the centre of the magnet.

This core should be periodically inspected for wear and the magnet replaced if wear is evident. As the off road magnet does not use a magnet retaining clip, we suggest it is held in place for service installation by a light rubber band which will disintegrate on the first brake application.



AL-KO's Off road magnets can be identified by the unique slot in place of a traditional cross.

ELECTRIC DRUM BRAKE MOUNTING PLATES



Pressed Mount Plate to suit 10" Electric brakes

Machined Mount Plate to suit 12" Electric brakes

Part No.	Description	To Fit Axle Size	Number of Holes & PCD
332100	10" Electric brake mounting plate (39mm bore)	40mm square	4 Holes on 76.15mm PCD
332150	10" Electric brake mounting plate (45mm bore)	45mm round / 45mm square & 50mm square	4 Holes on 76.15mm PCD
332350	12" Electric brake mounting plate (50mm square)	50mm square	5 Holes on 98mm PCD Not equally spaced
332301	12" Electric brake mounting plate (60mm bore)	56mm diameter	5 Holes on 98mm PCD Not equally spaced

10" ELECTRIC DRUM BRAKE SERVICE PARTS



339010
Magnet kit 10" oval, Skin pack.
Also suits Dexter, Hayes
Suits Left & Right Hand



339015
Off Road Magnet kit
10" oval- RH skin pack.
339255 Magnet



339020
Off Road Magnet kit
10" oval- LH skin pack.
339250 Magnet



339255
Off Road Magnet 10" oval- RH.
Magnet only



339250
Off Road Magnet 10" oval- LH.
Magnet only



339120
Brake shoe 10" electric - Primary
(Front)



339121
Brake Shoe 10" electric -
Secondary (Rear)



339135BX
Brake Shoe axle set - 10" electric
with park- Primary & Secondary (4
Shoes per box)

5



339102
Magnet clip – 10" electric

6



339110
Magnet spring

7



339114
10" Electric brake, Magnet lever
left hand

7



339115
10" Electric brake, Magnet lever
right hand

8



339130
10" Electric brake, Shoe retractor
spring (Top)

9



339127
10" Electric brake, Shoe retainer
cup & spring

10



339128
Electric brake, Adjuster spring
(Bottom)

11



339129
10" Electric brake, Park lever
return spring

12



390021
10" Electric brake, Mounting nut
7/16" UNF Zinc Plated

13



339103
10" Electric brake, Adjuster plug

14



190054
10" Electric brake, Mounting
washer 7/16" external shake
proof

Helpful Hint:

Consider the benefits by replacing an entire backing plate rather than replacing a few parts. It may cost more however it gives peace of mind for all components & in some cases quicker to do.

12" ELECTRIC DRUM BRAKE SERVICE PARTS



1



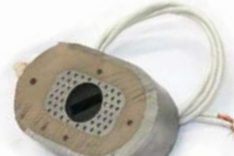
339300
Magnet 12" electric
Suits Left & Right Hand

1, 4, 5



339012
Magnet 12" electric
Skin pack, includes
spring & clip
Suits Left & Right Hand

1



339350
Magnet 12" – AL-KO Off Road
– LH

1



339355
Magnet 12" – AL-KO Off Road
– RH

2



339122
Brake Shoe 12" electric – Primary
(Front)

3



339123
Brake Shoe 12" electric –
Secondary (Rear)

4



339102
Magnet clip – 10" electric (oval)

5



339110
Magnet spring

6



339127
Shoe retainer cup & spring

7



339116
Lever arm left hand

8



339117
Lever arm right hand

9



390011
Mounting nut 3/8 UNF

10

10



339129
Park lever return spring

11



390015
Mounting bolt 3/8

12



339103
Adjuster plug

13



339128
Electric brake, Adjuster spring
(Bottom)

14



390015
Washer 3/8 EXT shake proof

Helpful Hint:

Consider the benefits by replacing an entire backing plate rather than replacing a few parts. It may cost more however it gives peace of mind for all components & in some cases quicker to do.

BRAKES

Hydraulic Drum Brakes

Hydraulic drum brakes are similar to those used in the automotive industry for many years and are reliable and efficient. The simplicity of hydraulic lines for installation and maintenance and a perfect partner for on road over run brake system on trailers less than 2000 kg gross laden weight.

9" No Park

311102 (Pair)



311101 (Left hand)

311100 (Right hand)

Park Brake: No

Recommended maximum load on 13"/14" wheels

1450 kg per pair

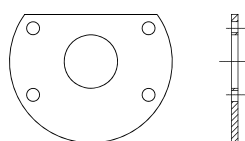
Recommended maximum load on 15"/16" wheels

1200 kg per pair

Mounting Detail

4 x 3/8" UNF x 101.6mm PCD Not equally spaced

Hydraulic Drum Brake Mounting Plates



Pressed Mount Plate to suit 9" Hydraulic brakes

Part No.	Description	To Fit Axle Size	Number of Holes & PCD
312200	9" Hydraulic mounting plate	39mm Round	4 Holes on 101.6mm PCD Not equally spaced
312250	9" Hydraulic mounting plate	45mm Round	4 Holes on 101.6mm PCD Not equally spaced

Hydraulic Drum Brakes Service Parts



1



319011
Bleed screw 9" hydraulic

2



313003
Adaptor inlet port 9" hydraulic

3



319102
Washer inlet adaptor 9" hydraulic

4



319010
Wheel cylinder 9" hydraulic

5



319013
Brake shoe (long) 9" hydraulic

6



319014
Brake shoe (short) 9" hydraulic

7



319017
Brake shoe hold down kit 9" hydraulic

8



319015
9" Hydraulic top return spring (Long) (Wheel cylinder end)

9



319016
9" Hydraulic bottom return spring (Short)

10



190052
Mounting washer 3/8" EXT shake proof

11



390011
Mounting nut hex 3/8" UNF

BRAKES

Hydraulic Disc Brakes

Hydraulic disc brake calipers are available in either stainless steel for maximum salt water corrosion resistance or Dacromet™ coated cast iron. Both styles are fitted with special pistons that will not rust.

The simplicity of hydraulic lines connecting multiple calipers makes this style of caliper suitable for installations where more than one axle is used. Trailers with loaded weights exceeding 2000 kg require independent control and breakaway facility, causing the brakes to automatically be activated should the towing vehicle and the trailer become accidentally disconnected. Hydraulic disc brakes used with a simple system such as the IQ7 fulfil this legal requirement. Hydraulic calipers can also be operated using hydraulic over ride couplings for trailers under 2000 kg GTM.

Hydraulic calipers are suitable for disc hubs and rotors of thicknesses of 15mm. Left hand & Right hand calipers are achieved by swapping the bleed screw and fluid line in positions, the bleed screw should always be on the highest port of the caliper.

DACROMET™

341001 (Pair)



341000 (Left hand)

341000 (Right hand)

Type: DACROMET™

Recommended maximum load on 13"/14" wheels

1600 kg per pair

Recommended maximum load on 15"/16" wheels

1400 kg per pair

Mounting Detail

12mm H.T. X 45mm set screws. 88.9mm (3.5")

Stainless Steel

341051 (Pair)



341050 (Left hand)

341050 (Right hand)

Type: Stainless steel

Recommended maximum load on 13"/14" wheels

1600 kg per pair

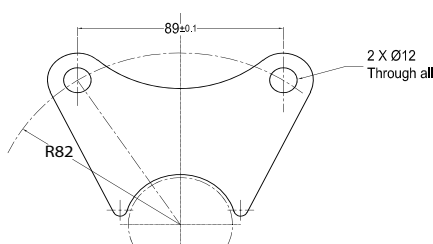
Recommended maximum load on 15"/16" wheels

1400 kg per pair

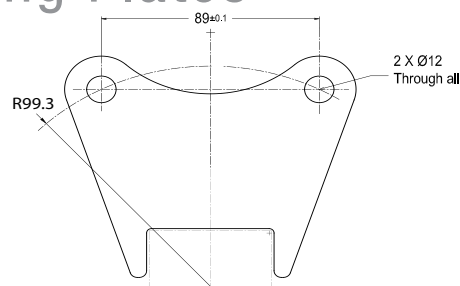
Mounting Detail

12mm H.T. X 45mm set screws. 88.9mm (3.5")

Hydraulic Disc Brake Mounting Plates



Mount Plate to suit AL-KO hydraulic calipers (13"/14")



Mount Plate to suit AL-KO hydraulic calipers (16")

Part No.	Description	To Fit Axle Size	Suits Disc Type
342115	Hydraulic caliper mount plate	39mm round	Disc hub (13"/14")
342143	Hydraulic caliper mount plate	40mm square	Disc hub (13"/14")
342147	Hydraulic caliper mount plate	45mm square	Disc hub (13"/14")
342110	Hydraulic caliper mount plate	45mm round	Disc hub (13"/14")
342160	Hydraulic caliper mount plate	50mm square	Hub + Disc (16") 2T & 3T
342165	Hydraulic caliper mount plate	45mm square	Hub + Disc (16") 2T & 3T
342175	Hydraulic caliper mount plate	56mm round	Hub + Disc (16") 2T & 3T

Hydraulic Disc Brake Service Parts



341080
AL-KO hydraulic caliper disc pad
kit - 2 pads



341103
AL-KO hydraulic caliper disc pad
- 1 pad



341081
Slide pin kit, per caliper



341082
Caliper piston seal repair kit - per
caliper



341083
Caliper piston kit - per caliper



341084
Caliper bleed screw - 2 pce

BRAKES

MECHANICAL DRUM BRAKES

Mechanical drum brakes are used for applications where simplicity and robust components are required. The most popular method of operation is using cables.

Note: AL-KO recommends actuation of our mechanical forward pull lever brake is from the bottom of the brake.

Lever

321102 (Pair)



321101 (Left hand)

321100 (Right hand)

Operation Type: Mechanical lever

Recommended maximum load on 13"/14" wheels

1450 kg per pair

Recommended maximum load on 15"/16" wheels

1200 kg per pair

Mounting Detail

4 x 7/16" UNF x 76.15mm PCD

Max cable pull input (kg) per brake

165 kg

Helpful Hint:

When selecting mechanical brakes, the required maximum input load must be considered.

When using power assisted mechanical brakes, request advice from your local AL-KO branch to select the correct power unit capacity.

MECHANICAL DRUM BRAKE SERVICE PARTS



1
320110
9" Mechanical lever adjuster



2
320140
9" Mechanical lever top spring



3
320141
9" Mechanical lever bottom spring



4
320150
9" Mechanical lever brake shoe (one shoe)



5
390021
Nut hex 7/16 UNF zinc plated

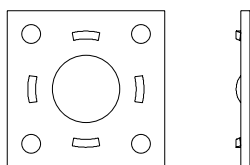


6
390020
Bolt 7/16" x 1" UNF HT



7
190054
Washer 7/16" external shake proof

MECHANICAL DRUM BRAKE BRAKE MOUNTING PLATES



Pressed Mount Plate to suit 9" Mechanical brakes, also suit electric 10"

Part No.	Description	To Fit Axle Size	Number of Holes & PCD
332100	9" Mechanical Lever Mounting Plate (39mm bore)	39mm Round	4 Holes on 76.15mm PCD
332140	9" Mechanical Lever Mounting Plate	40mm square	4 Holes on 76.15mm PCD
332150	9" Mechanical Lever Mounting Plate (45mm bore s/line)	45mm Round	4 Holes on 76.15mm PCD
332160	9" Mechanical Lever Mounting Plate (45mm square)	45mm Square	4 Holes on 76.15mm PCD
312100	9" Mechanical Centre Pull Mounting Plate	39mm Round	4 Holes on 76.15mm PCD
312150	9" Mechanical Centre Pull Mounting Plate	45mm Round	4 Holes on 76.15mm PCD

MECHANICAL DISC BRAKES

Disc brakes are used for applications where resistance to corrosion and heat dissipation is paramount.

The open nature of disc brakes makes washing after salt water immersion a simple task.

Disc brakes also allow quicker cooling during brake applications and therefore the disc brake system is less prone to brake fade.

AL-KO Light Duty mechanical disc brake calipers are hot dip galvanised. The bushes, springs and bolts etc are made from stainless steel.

AL-KO Heavy Duty mechanical disc brake calipers are Dacromet® coated for salt water corrosion resistance. The slide pins are made from stainless steel adding to the excellent capacity of this product to continue to function after exposure to corrosive environments.

The mechanical caliper comes in two configurations, forward pull and centre pull as shown in the photos below. Forward pull is used on beam axles whilst centre pull is used when the AL-KO Independent Rubber Suspension (I.R.S.) is used. The simple cable actuation of these calipers and their uncomplicated design makes servicing a task that can be carried out by the "handyman", saving on servicing cost. AL-KO mechanical calipers are suitable for disc hubs and rotors of thicknesses from 12mm to 15mm.

Light Duty Forward Pull

323102 (Pair)



323300 (Left hand) 323300 (Right hand)

Recommended maximum load on 13"/14" wheels

1300 kg per pair

Recommended maximum load on 15"/16" wheels

1000 kg per pair

Mounting Detail

88.9mm centres (3.5") 7/16 UNF

Max cable pull input (kg) per brake

200 kg

Light Duty Centre Pull

323002 (Pair)



323000 (Left hand) 323000 (Right hand)

Recommended maximum load on 13"/14" wheels

1300 kg per pair

Recommended maximum load on 15"/16" wheels

1000 kg per pair

Mounting Detail

88.9mm centres (3.5") 7/16 UNF

Max cable pull input (kg) per brake

200 kg

Heavy Duty Forward Pull



323800 (Left hand) 323800 (Right hand)

Recommended maximum load on 13"/14" wheels

2000 kg per pair

Recommended maximum load on 15"/16" wheels

1700 kg per pair

Mounting Detail

88.9mm centres (3.5") 12mm

Max cable pull input (kg) per brake

300 kg

Heavy Duty Centre Pull



323850 (Left hand) 323850 (Right hand)

Recommended maximum load on 13"/14" wheels

2000 kg per pair

Recommended maximum load on 15"/16" wheels

1700 kg per pair

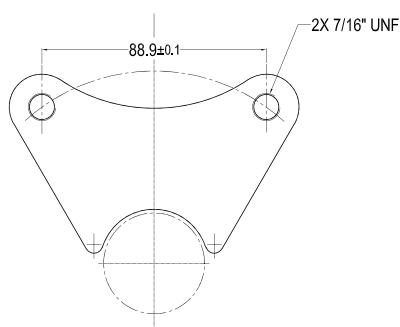
Mounting Detail

88.9mm centres (3.5") 12mm

Max cable pull input (kg) per brake

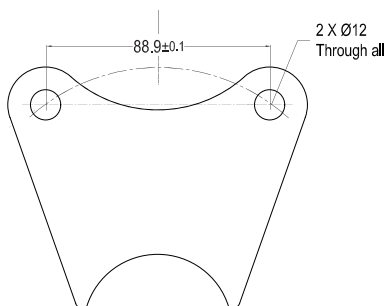
300 kg

MECHANICAL DISC BRAKE BRAKE MOUNTING PLATES

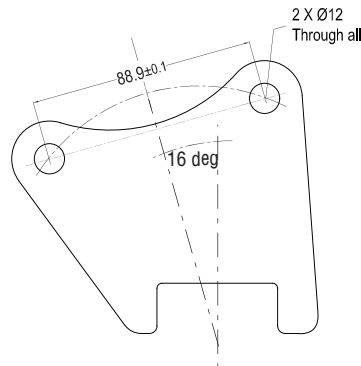


Light Duty Mount Plate to suit AL-KO Mechanical calipers

PART No.	Description	TO FIT AXLE SIZE	Suits Hub or Rotor
342116	Light Duty Mechanical Caliper Mount plate	39mm Round	Disc hub
342140	Light Duty Mechanical Caliper Mount plate	40mm Square	Disc hub
342145	Light Duty Mechanical Caliper Mount plate	45mm Square	Disc hub
342109	Light Duty Mechanical Caliper Mount plate	45mm Round	Disc hub
342148	Light Duty Mechanical Caliper Mount plate	50mm Square	Disc hub
342177	Light Duty Mechanical Caliper Mount plate	45mm Square	Hub + Disc Rotor
342150	Light Duty Mechanical Caliper Mount plate	50mm Square	Hub + Disc Rotor
342170	Light Duty Mechanical Caliper Mount plate	56mm Round	Hub + Disc Rotor



Heavy Duty Mount Plate to suit AL-KO Mechanical calipers

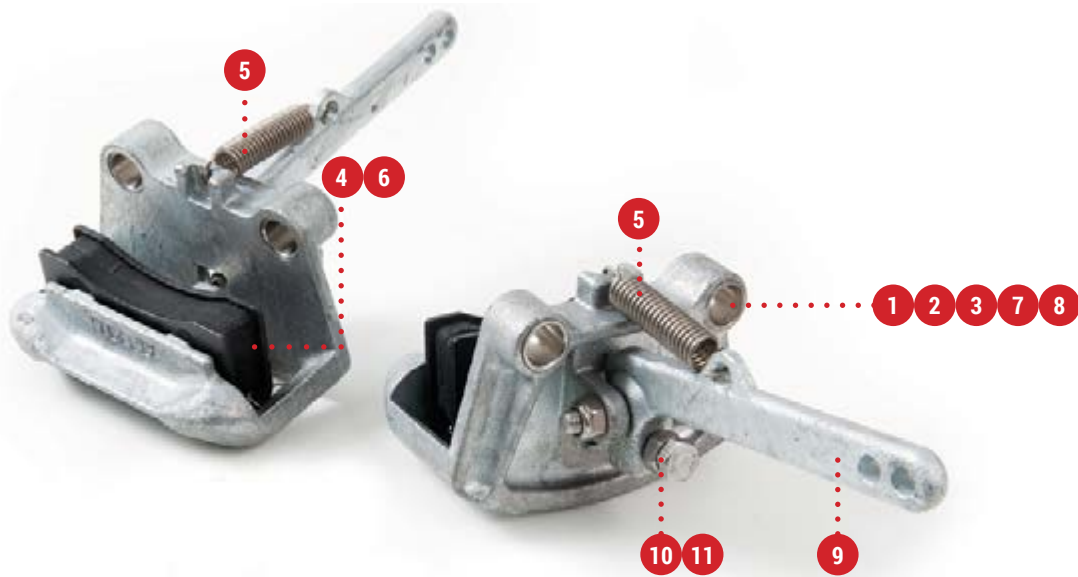


Heavy Duty Mount Plate angled to suit AL-KO Mechanical calipers

PART No.	Description	Wheel Size	To Fit Axle Size	Suits Hub or Rotor
342115	Heavy Duty (2t) Mechanical Caliper Mount plate	14"	39mm Round	Disc hub
342143	Heavy Duty (2t) Mechanical Caliper Mount plate	13" / 14"	40mm Square	Disc hub
342151	Heavy Duty (2t) Mechanical Caliper Mount plate	13"	40mm Square	Disc hub
342147	Heavy Duty (2t) Mechanical Caliper Mount plate	14"	40mm Square	Disc hub
342122	Heavy Duty (2t) Mechanical Caliper Mount plate	13"	45mm Round	Disc hub
342110	Heavy Duty (2t) Mechanical Caliper Mount plate	14"	45mm Round	Disc hub
342130	Heavy Duty (2t) Mechanical Caliper Mount plate	16"	45mm Round	Disc hub
342149	Heavy Duty (2t) Mechanical Caliper Mount plate angled	14"	50mm Square	2t, 16" Disc hub + Disc rotor
342156	Heavy Duty (2t) Mechanical Caliper Mount plate angled	16"	45mm Square	2t, 16" Disc hub + Disc rotor
342159	Heavy Duty (2t) Mechanical Caliper Mount plate angled	16"	50mm Square	2t, 16" Disc hub + Disc rotor
342175	Heavy Duty (2t) Mechanical Caliper Mount plate	16"	56mm Round	2t, Disc hub + Disc rotor

MECHANICAL DISC BRAKE SERVICE PARTS - PRE 2016

Light Duty Caliper Spares



390024
Mounting bolt for mechanical
caliper 7/16" UNF x 2 1/4" HT zinc



190054
Mounting washer 7/16" external
shake proof for mechanical
caliper



190056
Mounting washer flat
7/16" x 7/8" zinc for mechanical
caliper



349100
Set of 4 Disc pads to suit
Mechanical caliper.
323128 Single pad



323121
Tension spring for mechanical
caliper



323129
Set of 2 Disc pads to suit
Mechanical caliper - skin pack



323126
Inner bush for mechanical caliper



323125
Outer bush for mechanical caliper



323111
Straight Lever / Forward pull



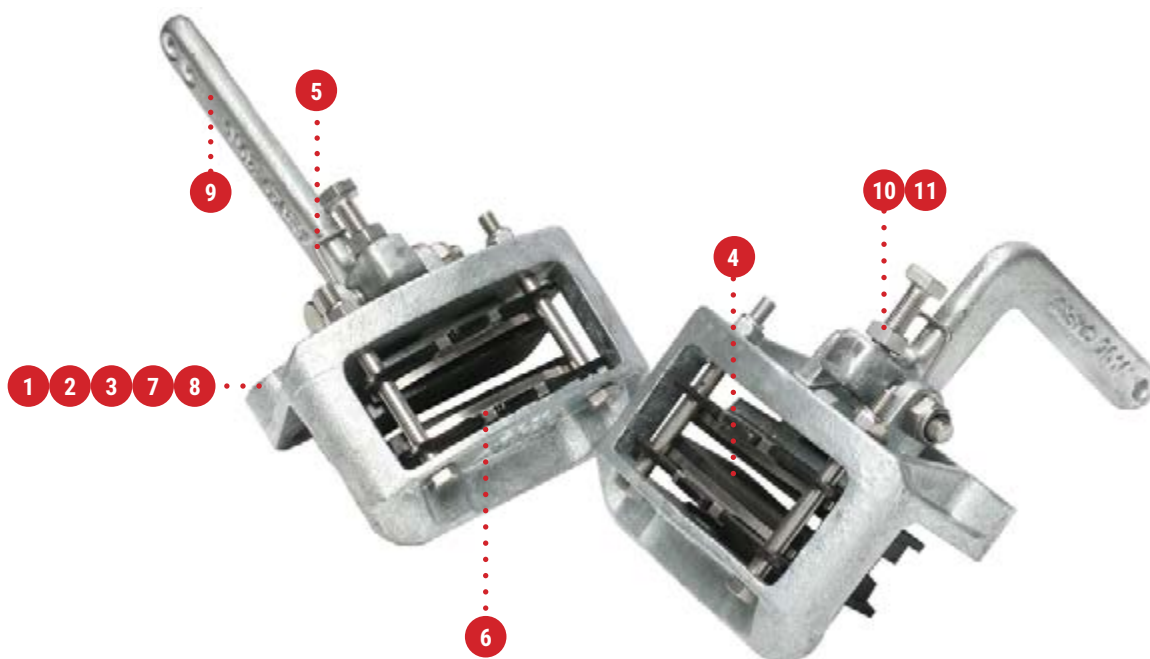
323124
M10 Adjuster Bolt



323122
M10 Adjuster Nut

MECHANICAL DISC BRAKE SERVICE PARTS - POST 2016

Light Duty Caliper Spares



1
390024
Mounting bolt for mechanical
caliper 7/16" UNF x 2 1/4" HT zinc



2
190054
Mounting washer 7/16" external
shake proof for mechanical
caliper



3
190056
Mounting washer flat
7/16" x 7/8" zinc for mechanical
caliper



4
323315
Disc pad to suit mechanical
caliper - 2 bolt



5
323317
Return Spring



6
323316
Anti Rattle Clip



7
323126
Brake mechanical caliper
inner bush



8
323125
Outer bush for mechanical caliper



9
323311
Straight Lever /
Forward pull



10
323124
M10 Adjuster Bolt



11
323122
M10 Adjuster Nut

Hand Brake & Cable & Equipment



323020

Brake cable 4mm 7 x 7 wire cable (1000 metre reel)



323021

Brake cable adjuster, suits 4mm cable



323022

Brake cable clips, suits 4mm cable



323023

Brake cable pulleys, suits 4mm cable



323024

Brake cable 4mm 7 x 7 wire cable (100 metre length)



323025

Brake cable kit (8 metre cable & adjuster, 2 clips & 2 pulleys)



323030

Brake cable kit (10 metre cable & adjuster, 2 clips & 2 pulleys)



618926

Front spacer plate for Mechanical park brake mechanism. Suits 619150,

Mounting detail: 2 hole
Spacings: 55mm
Diameter: 13mm



614053

Coupling brake plate low lever plated.

Mounting detail: 4 hole
Spacings: 184mm x 54mm
Diameter: 13.5mm



614055

Offroad coupling park lever brake plate.

Mounting detail: 4 hole
Spacings: 184mm x 54mm
Diameter: 13.5mm



519420

Offroad coupling park lever brake plate suits Pin Coupling.

Mounting detail: 4 hole
Spacings: 184mm x 54mm
Diameter: 13.5mm



619150

Mechanical park brake mechanism, 280mm with cable pulley attached. Suits standard coupling rear fixing hole centres. May require 618926 to level coupling.

Mounting detail: 2 hole
Spacings: 55mm
Diameter: 13mm

BREAK AWAY

For trailers over 2000 kg GTM (refer to Fig 1 on page 5) it is a requirement that, should the tow vehicle and trailer separate accidentally, that the trailer brakes are applied at full power for a minimum period of 15 minutes. The break away kits itemised are an accompanying solution to the Australian Design Rules requirements for electric brake system or electric over hydraulic brake systems. Please check with your relevant state authority as requirements do vary from state to state.



333070

Electric Break Away Kit/Battery.
(Breaksafe model BS6000)

Suitable for 4 wheel brakes / 2 braked axles.

NB* Does not include monitor.



333080

Electric Break Away Kit/Battery.
(Breaksafe model BS6000XP)

Suitable for 6 wheel brakes / 3 braked axles.

NB* Does not include monitor.



333040

Electric Break Away Switch



333071

Breaksafe Electric Break Away
Switch assembly



333072

Breaksafe Break Away pin with
coil cable only



333075

Breaksafe monitor - In-car low
voltage warning.

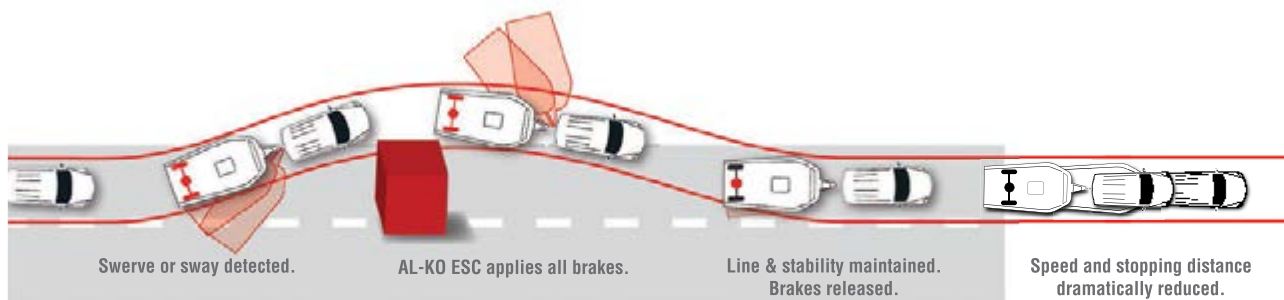
**Mandatory requirement in some
Australian states.**

AL-KO ESC

In an emergency you need total control as quickly as possible. Only AL-KO ESC makes sure you've got it.

AL-KO ESC brakes all wheels on a caravan simultaneously as soon as a dangerous sideways movement is detected - and holds them on to wipe off speed and stopping distance in the shortest time for maximum control. This maintains the line and stability of the car and caravan allowing you to perform an

emergency avoidance manoeuvre. Your car and caravan operate as one - there's no jack-knifing - and you're back on your side of the road with a potential disaster behind you. Why risk towing with anything else?



AL-KO ESC CHECKLIST FOR COMPLETE PEACE OF MIND

✓ SERIOUS SAFETY TECHNOLOGY

More than just sway control. AL-KO ESC is the serious safety technology designed for emergency towing situations.

✓ BRAKES ALL WHEELS

Maximum control in an emergency. Only AL-KO ESC brakes all wheels to wipe off speed and stopping distance.

✓ DESIGNED IN AUSTRALIA FOR AUSTRALIA

Only AL-KO ESC is designed and made in Australia for our roads.

✓ WORKS IN OFF-ROAD CONDITIONS

AL-KO ESC doesn't deactivate in off-road conditions. It continues working effectively to keep you safe.

✓ SUITABLE FOR ELECTRIC OR HYDRAULIC DISC BRAKES

Suitable for installation with AL-KO or Genuine Dexter electric brakes. There is now also a specific model suitable for installation with AL-KO hydraulic disc brakes when combined with AL-KO iQ7.

✓ FULLY CUSTOMISED TO EACH CARAVAN

No compromises on safety. Only AL-KO ESC is fully calibrated and customised to each caravan's specifications.

✓ NATIONAL SUPPORT NETWORK

Local AL-KO technical support and a national network of over 300 ESC Certified Installers ensures peace of mind.

✓ #1 CHOICE OF LEADING CARAVAN MANUFACTURERS

AL-KO ESC is supported and fitted by the majority of leading caravan manufacturers in Australia.



“Believe me, there's only one system – only one – that's designed for real emergencies.”

Charlie Kovacs,
Test Driver.

V8 Supercar driver.
Former world
caravan-towing
land speed record
holder - 204kph.



Without AL-KO ESC, your towed vehicle is not as safe as it could be.
For more Information visit alkoesc.com.au

Electric Brake Control Equipment

MOTION SENSING

For the ultimate efficiency with electric brakes a motion sensing controller provides the best balance between the tow vehicle and the trailer braking. This control system can provide manual operation as well as smooth proportional braking when the tow vehicle brakes are applied. To achieve this ultimate performance some operator in-cab adjustments are required.



333029

Electric Dial Resistor A.C.C.12 Volt.

Features:

Mountable to the trailer in a pre-set and go application.

Easy to install.

No need for in car controller.

Easier to share trailers

Note:

This controller requires sufficient 12 volt power to break safely.

This controller cannot be adjusted from the drivers seat.



VISUAL AND
AUDIBLE
WARNINGS

333061

Tekonsha Prodigy P2 Electric Brake Controller

Features:

Proportional motion sensing

Works with electric over hydraulic brake systems

Auto adjustment - it adjusts itself to varying terrain as you drive

Great for backing into tough spots! Works proportionally in reverse with the ability to disable when not needed

"Boost" feature

Quick and easy disconnect feature

Electric trailer brake control for up to 4 braking axles

Approved for: ESC, IQ7 & IQ7 Outback



VISUAL AND
AUDIBLE
WARNINGS

333063

Tekonsha Primus IQ Electric Brake Controller

Features:

Proportional motion sensing

Utilizes Plug-N-Play port for 2-plug adapters.

Self-diagnostics features will illuminate LED readout when issues occur.

Includes a "Boost" feature.

Works proportionally in reverse.

Snap-in dash mounting clip and hardware included.

Digital LED readout.

Approved for: ESC, IQ7 & IQ7 Outback



333065

Tekonsha P3 Electric Brake Controller

Features:

Proportional motion sensing

5 storable setting options.

Distinct, easy to read LCD display with colour options.

Flashing red warning for no Trailer brake situations.

Select Electric over Hydraulic or Electric brake option.

Snap in, easy to remove for theft prevention

Boost feature for levels of customised of braking.

LED indicator showing status of braking system.

Approved for: ESC, IQ7 & IQ7 Outback



VISUAL AND
AUDIBLE
WARNINGS

333090

Compact IQ Hayman Reese Electric Brake Controller

Features:

Proportional motion sensing

Electrical brake control for 1, 2, or 3 trailer axles.

SmartClick™ compatibility offers Plug and Play installation allowing a quick and easy connection to any SmartClick™ Brake Control Harness and Hayman Reese Towbar Wiring.

Includes a "Boost" feature that gives users the ability to set minimum braking power.

LED indicator showing status of braking system.

Approved for: ESC, IQ7 & IQ7 Outback



333060

Tekonsha 9030 Electric Brake Controller

Features:

Proportional motion sensing

Electrical brake control for 1, 2, 3 or 4 trailer axles.

Plug-N-Play feature allows quick and easy connection.

Bicolored LED brake monitor, to assure a complete connection to trailer brakes and give an indication of relative braking power being applied

Compact size and extremely versatile.

Approved for: ESC, IQ7 & IQ7 Outback

AL-KO IQ7

AL-KO IQ7 is a power assisted hydraulic braking actuation system, designed specially for large trailers up to 3000 kg ATM.

The AL-KO IQ7 allows the control of hydraulic brake systems from the driving position via an in vehicle brake control device. The IQ7 converts electronic signals from the controller to hydraulic pressure delivered to the brake system.

Stored compressed air within a pressure chamber allows immediate brake application the instant it is required significantly improving stopping performance.

Includes breakaway technology to arrest the trailer should it detach from the tow vehicle (a legal requirement for trailers or caravans over 2 tonne).

Please note, IQ7 Extreme actuator only should be used with the "extreme" package. The IQ7 "E" version should be used with an AL-KO approved in car electric brake controller.



- Compatible for Disc or Drum brakes.
- Internal or External mounting options.
- Australian Made.
- Available in "Outback" for demanding conditions

Take Total Control With the IQ7 XTREME



AL-KO IQ7

- Converts electronic signal to hydraulic pressure
- Breakaway - activates trailer brakes if it becomes detached from the tow vehicle.
- Heavy duty compressor for ultimate stopping power



Brake Pedal Pad

- Smoother proportional braking
- Faster response time
- Greater control in an emergency



Electronic Control Unit

- Detects & informs driver of lack of air pressure or air leakage
- Detects & informs driver of inadequate power feed
- Detects & informs driver of excessive duty cycle
- Detects & informs driver of trailer disconnection



Controller Mouse

- Panic button for independent braking of the trailer in emergency situations
- Gain Control lever for instant adjustment of braking characteristics

Meet your legal requirements

AL-KO IQ7 Outback system allows the legal use of hydraulic disc brakes for trailers or caravans over 2 tonne in Australia and meets the requirement for a breakaway system to arrest the trailer should it detach from the tow vehicle (a legal requirement for trailers or caravans over 2 tonne).



355014A

IQ7 Xtreme Automatic. Actuator & in-car kit.

Kit includes:

1	355002	IQ7 Actuator
1	355006	Automatic brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003	Wiring loom
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355014M

IQ7 Xtreme Manual. Actuator & in-car kit.

Kit includes:

1	355002	IQ7 Actuator
1	355005	Manual brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003	Wiring loom
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355013A

IQ7 Xtreme in-car kit only. Automatic.

Kit includes:

1	355006	Automatic brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003	Wiring loom
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355013M

IQ7 Xtreme in-car kit only. Manual.

Kit includes:

1	355005	Manual brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003	Wiring loom
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355014AXL

IQ7 Xtreme in-car kit only. Automatic.

Kit includes:

1	355006	Automatic brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003XL	Wiring loom 6.5mt
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355014MXL

IQ7 Xtreme in-car kit only. Manual.

Kit includes:

1	355005	Manual brake pad
1	355008	Mouse assembly
1	355148	Evo controller
1	350003XL	Wiring loom 6.5mt
1	350164	IQ7 12 pin socket
1	350215	IQ7 Circuit breaker



355002EK

IQ7 Primus IQ Electric brake controller kit.

Kit includes:

1	355002E	IQ7 Actuator
1	350018	In car wiring
1	333063	Primus IQ controller



355002EKP2

IQ7 P2 Electric brake controller kit.

Kit includes:

1	355002E	IQ7 Actuator
1	350018	In car wiring
1	333061	P2 controller



355002EKP3

IQ7 P3 Electric brake controller kit.

Kit includes:

1	355002E	IQ7 Actuator
1	350018	In car wiring
1	333065	P3 controller



350003

IQ7 wiring loom suits Evo control.



350003E

IQ7 wiring loom elect spare part suits electric drum brakes



350003XL

IQ7 wiring loom spare part. Suits Evo 6.5 meter cable



350018

IQ7 wiring kit for motion sensing controller



355002

IQ7 Xtreme actuator only



355002E

IQ7 Actuator only. Suits electric brake controller. "E" version.



355005

IQ7 Xtreme manual brake pad 45mm wide x 60mm long assembly.



355006

IQ7 Xtreme automatic brake pad 45mm wide x 115mm long assembly.



355148

IQ7 Xtreme EVO Controller assembly



355008

IQ7 Xtreme Mouse assembly.



350164

IQ7 12 pin socket

Hydraulic Brake Actuation Equipment

The parts listed are an example of the vast AL-KO range of hydraulic components to complement the range of hydraulic drum & disc brakes.



313019
Hose hydraulic female-female fittings 3/8" UNF (38cm long)



313020
Hose hydraulic male-male fittings 3/8" UNF (38cm long)



313021
Hose hydraulic male-female fittings 3/8" UNF (38cm long)



313026
Hose hydraulic male-female fittings 3/8" UNF (80cm long)



313027
Hose hydraulic banjo-female fittings 3/8" UNF (45cm long)



313023
Hose clip chassis (wire type)



313025
Hose bracket ZP (L shape bolt on)



313028
Hose clip (plate type P3052)



313030
Tube nut long 3/16" tube



313031
Tube nut short 3/16" tube



313032
Pipe joiner 3/16" tube



333333
Three way block 3/8" UNF



313600
Tubing Bundy 3/16" x 6mtr coil



319102
Copper washer
16mm x 10mm x 3mm thick



313001
Master cylinder 3/4"



313005
Master cylinder cap 3/4"



313007
Master cylinder 7/8"



313008
Master cylinder cap 7/8"



313013
Master cylinder bowl 7/8".
No Cap.



313035
Hydraulic hose 450mm banjo fitting & female 3/8" UNF, Banjo bolt & washers
1 313027 Hose hydraulic 450mm with banjo bolt
2 319102 Washer 10mm I.D. x 16mm O.D. x 3mm

PIPING



Part Number	Description	Fitting	Fitting
313600	Tubing Bundy 3/16" x 6mtr coil	None	None
313042	Tubing Bundy 3/16" x 42 1/2"	No Short Tube nut	Short Tube nut
313054	Tubing Bundy 3/16" x 54"	Short Tube nut	Short Tube nut
313056	Tubing Bundy 3/16" x 56 1/2"	Short Tube nut	Short Tube nut
313066	Tubing Bundy 3/16" x 66"	Long Tube nut	Short Tube nut
313068	Tubing Bundy 3/16" x 68 1/2"	Long Tube nut	Short Tube nut

Brake Kits

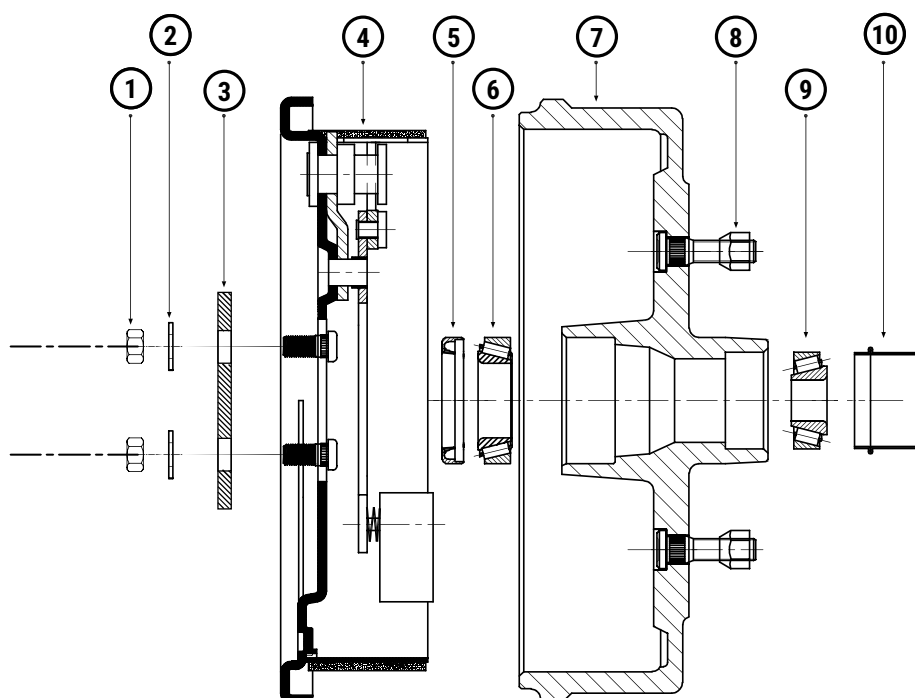
ELECTRIC DRUM BRAKE KITS

AL-KO can provide Electric drum brake kits in various sizes and capacities.

Brake kits are available upon request to suit most popular wheel drilling patterns as well as those shown. Bearing cups can be fitted into the hub or hub drum to your preferred stub machining profile. Electric brake kits exclude wiring, clips and fittings.

All AL-KO Electric drum brake kits come complete with;

Mounting hardware (1, 2), Mounting plate (3), Electric brake assembly (4), Grease seal (5), Inner & outer bearings (6 & 9), Studded hub (7), Wheel Nuts (8) & Grease cap (10)



10" PREMIUM BRAKE KITS

Part Number	Description (Brake Diameter & Lining Width)	Park Brake	Maximum Capacity/pair	Commonly Used Stub	Drilling Pattern	Bearing
334100	AL-KO Premium 10" x 2 1/4"	Yes	1000kg	40mm	5 stud HT	LM
334101	AL-KO Premium 10" x 2 1/4"	Yes	1000kg	40mm	5 stud C/DORE	LM
334102	AL-KO Premium 10" x 2 1/4"	Yes	1000kg	40mm	5 stud HQ	LM
334103	AL-KO Premium 10" x 2 1/4"	Yes	1000kg	40mm	5 stud FORD	LM
334116	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	6 stud LCR	SL
334117	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	5 stud LCR	SL
334120	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	5 stud HT	SL
334121	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	5 stud C/DORE	SL
334122	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	5 stud HQ	SL
334123	AL-KO Premium 10" x 2 1/4"	Yes	1450 kg	45mm	5 stud FORD	SL
334105	AL-KO Premium 10" x 2 1/4"	No	1000 kg	40mm	5 stud HT	LM

Part Number	Description (Brake Diameter & Lining Width)	Park Brake	Maximum Capacity/pair	Commonly Used Stub	Drilling Pattern	Bearing
334116	AL-KO Premium 10" x 2 1/4"	Yes	1400 kg	45mm	6 stud LCR	SL
334117	AL-KO Premium 10" x 2 1/4"	Yes	1400 kg	45mm	5 stud LCR	SL
334125	AL-KO Premium 10" x 2 1/4"	No	1450 kg	45mm	5 stud HT	SL
334126	AL-KO Premium 10" x 2 1/4"	Yes	1600 kg	50mm	6 stud LCR	Parallel
334127	AL-KO Premium 10" x 2 1/4"	Yes	1600 kg	50mm	5 stud LCR	Parallel

OFF ROAD BRAKE KITS

Part Number	Description (Brake Diameter & Lining Width)	Park Brake	Maximum Capacity/pair	Commonly Used Stub	Drilling Pattern	Bearing
334126HOR	AL-KO Premium Off-Road 10" x 2 1/4"	Yes	1600 kg	50mm square	6 stud LCR	Parallel Bearings
334127HOR	AL-KO Premium Off-Road 10" x 2 1/4"	Yes	1600 kg	50mm square	5 stud L/Cruiser	Parallel Bearings
334128H	AL-KO Premium Off-Road 10" x 2 1/4"	Yes	1600 kg	50mm square	6 stud L/Cruiser	Parallel Bearings
334165	AL-KO Premium Off-Road 12" x 2 "	Yes	2000 kg	50mm square	5 stud L/Cruiser Hub + Drum	2T Bearings
334165HD	AL-KO Premium Off-Road 12" x 2 " 2 piece Hub + Drum	Yes	2000 kg	50mm square	5 stud L/Cruiser Hubdrum 2T	2T Bearings
334166OR	AL-KO Premium Off-Road 12" x 2 "	Yes	2000 kg	50mm square	6 stud L/Cruiser Hub + Drum	2T Bearings
334166ORHD	AL-KO Premium Off-Road 12" x 2 "	Yes	2000 kg	50mm square	6 stud L/Cruiser Hubdrum	2T Bearings

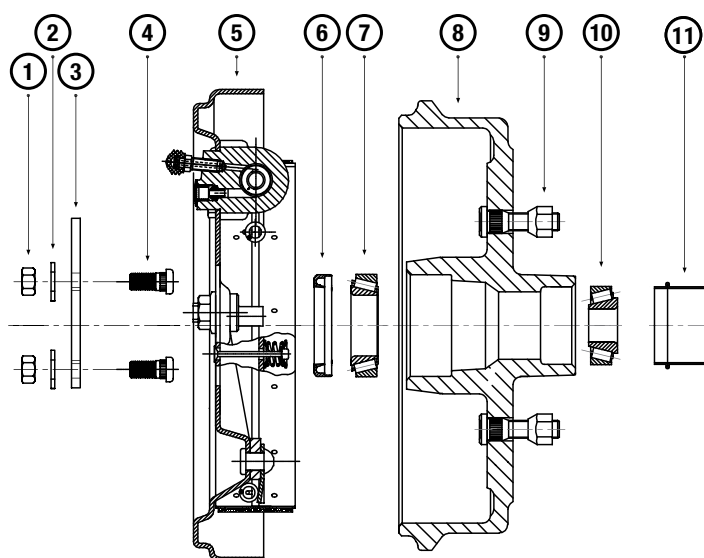
HYDRAULIC DRUM BRAKE KITS

AL-KO can provide Hydraulic drum brake kits in various sizes and capacities.

Brake kits are available upon request to suit most popular wheel drilling patterns as well as those shown above. These kits include brakes, mount plates, nuts & bolts, hubs, drums, or hub drums and complete bearing kits (bearing cups can be fitted into the hub or hub drum to your preferred stub machining profile). Hydraulic brake kits exclude piping, hose and fittings.

All AL-KO hydraulic drum brake kits come complete with;

Mounting hardware (Ref 1, 2, 4), Mounting plate (Ref 3), Hydraulic brake assembly (Ref 5), Grease seal (Ref 6), Inner & outer bearings (Ref 7 & 10), Studded hub (Ref 8), Wheel Nuts (Ref 9), Grease cap (Ref 11)



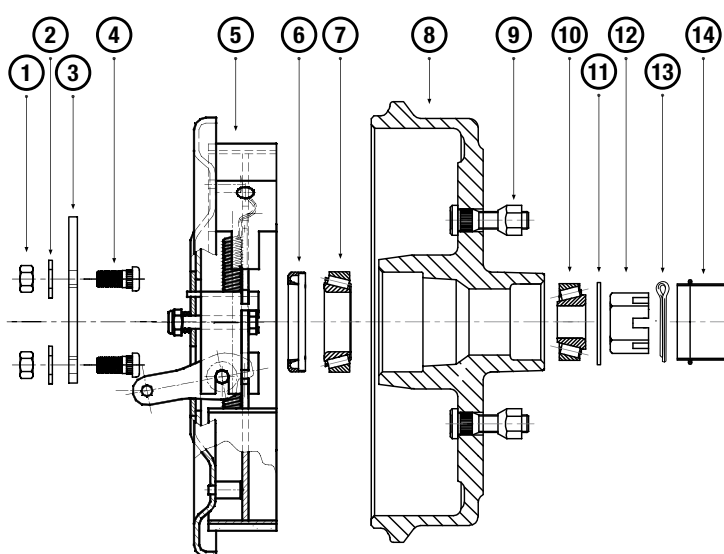
Part Number	Description (brake diameter & lining width)	Park Brake	Maximum Capacity/pair	Commonly used Stub	Drilling Pattern	Bearing
311111	9" x 1 3/4"	No	1000kg	39mm round	5 stud HQ	LM
311112	9" x 1 3/4"	No	1000kg	39mm round	5 stud C/DORE	LM
311113	9" x 1 3/4"	No	100S0kg	39mm round	5 stud FORD	LM
311114	9" x 1 3/4"	No	1000kg	39mm round	5 stud HT	LM
311116	9" x 1 3/4"	No	1200kg	45mm round	6 stud L/CR	SL
311117	9" x 1 3/4"	No	1450kg	45mm round	5 stud FORD	SL
311118	9" x 1 3/4"	No	1450kg	45mm round	5 stud HQ	SL
311119	9" x 1 3/4"	No	1400kg	45mm round	5 stud C/DORE	SL
311120	9" x 1 3/4"	No	1400kg	45mm round	5 stud HT	SL
311121	9" x 1 3/4"	No	1200kg	45mm round	5 stud L/CR	SL

Mechanical Drum Brake Kits

AL-KO brake kits are available upon request to suit most popular wheel drilling patterns as well as those shown below. These kits include brake, mount plates, nuts & bolts, hubdrum and complete bearing kits (bearing cups can be fitted).

All AL-KO Mechanical drum brake kits come complete with;

Mounting hardware (1, 2, 4), Mounting plate (3), Mechanical brake assembly (5), Grease seal (6), Inner & outer bearings (7 & 10), Studded hub drum (8), Wheel Nuts (9), Axle washer (11), Axle nut (12), Split pin (13) & Grease cap (14)



Part Number	Disc Description	Maximum Capacity/Pair	Commonly used Stub	Bearing Type	Drilling Pattern
321110	9 x 1 3/4" mech lever	1000 kg	40mm square	LM	HT
321112	9 x 1 3/4" mech lever	1000 kg	40mm square	LM	HQ
321113	9 x 1 3/4" mech lever	1000 kg	40mm square	LM	Commodore
321114	9 x 1 3/4" mech lever	1000 kg	40mm square	LM	Ford
321117	9 x 1 3/4" mech lever	1200 kg	45mm square	SL	HT
321118	9 x 1 3/4" mech lever	1200 kg	45mm square	SL	HQ
321127	9 x 1 3/4" mech lever	1200 kg	45mm square	SL	Ford
321116	9 x 1 3/4" mech lever	1000 kg	45mm square	SL	6 stud LCR

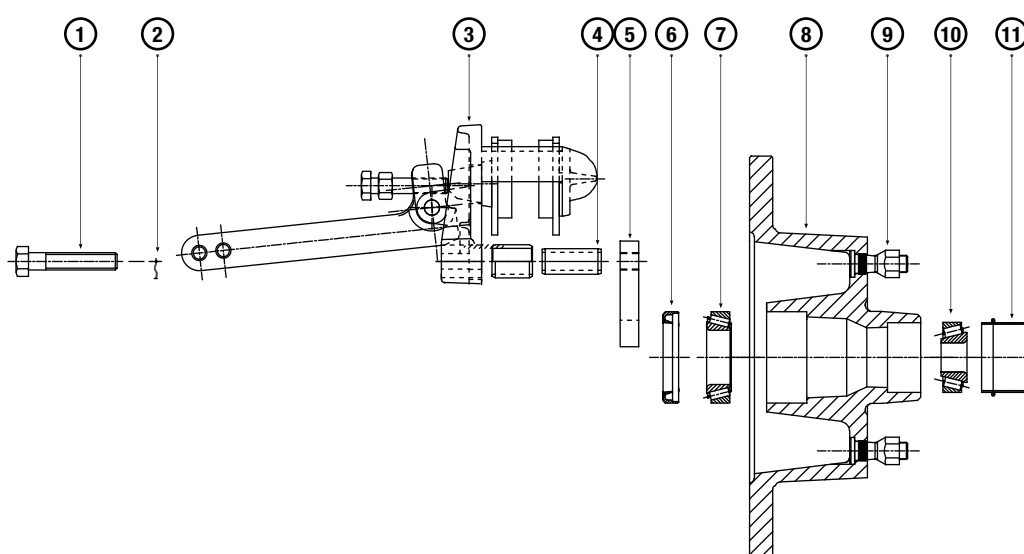
Mechanical Disc brake kits

AL-KO can provide Mechanical disc brake kits in various sizes and capacities.

Brake kits are available upon request to suit most popular wheel drilling patterns as well as those shown below. These kits include calipers, mount plates, nuts & bolts, disc hub or hub & disc and complete bearing kits (bearing cups can be fitted). Mechanical brake kits exclude cable, actuation and fittings.

All AL-KO Mechanical disc brake kits come complete with;

Mounting hardware (1, 2, 4), Mounting plate (5), Mechanical Caliper (3), Grease seal (6), Inner & outer bearings (7 & 10), Studded hub disc (8), Wheel Nuts (9) & Grease cap (11)



Part Number	Disc Description	Maximum Capacity/Pair	Caliper Type	Bearing Type	Drilling Pattern
323162	15mm Hot dipped galv disc hub	1000 kg	Light Duty	LM	HT
323166	15mm Hot dipped galv disc hub	1000 kg	Light Duty	LM	Ford
323173	15mm Plain disc hub	1000 kg	Light Duty	LM	HQ
323174	15mm Plain disc hub	1000 kg	Light Duty	LM	Ford
323115	15mm Plain disc hub	1000 kg	Light Duty	LM	HT
323188DH	15mm Plain disc hub	1100 kg	Light Duty	SL	6 stud LCR
323189DH	15mm Plain disc hub	1100 kg	Light Duty	SL	5 stud LCR
323161	15mm Hot dipped galv disc hub	1300 kg	Light Duty	SL	Ford
323117	15mm Plain disc hub	1300 kg	Light Duty	SL	HT
323118	15mm Plain disc hub	1300 kg	Light Duty	SL	Ford
323305	15mm Zinc plated disc hub	2000 kg	Heavy Duty	2 Tonne	5 stud LCR
323306	15mm Zinc plated disc hub	2000 kg	Heavy Duty	2 Tonne	6 stud LCR

HUBS



HUBS

AL-KO manufactures a wide range of trailer hubs and can accommodate just about any wheel drilling pattern.

All of AL-KO's hubs are manufactured from high grade ductile iron to give maximum achievable strength.

Some of AL-KO's hubs are available in zinc plated or hot dipped galvanised finish as well as the traditional raw cast finish.

The capacity of a hub is dependant on the size of wheel bearings fitted and such dimensional limits as flange diameter and the available hole in the wheel to which it is fitted. (On the hub this is the hub outer boss dimension).

To ascertain what hub from the vast AL-KO range is required it is important to know the following:

- Total load you expect a pair of hubs to carry in kg.
- Wheel bearing type to be fitted (LM, SL, 1.5 t, etc). See page 32 for more information.
- Wheel drilling pattern (PCD) e.g HQ Holden, 5 stud Ford, 6 stud Landcruiser). See page 4 for more information.

This information is usually enough to specify the hub you need.

AL-KO can supply hubs from studded only through to hubs complete with studs, wheel nuts, bearings, grease seals and caps supplied.



FLANGE DIAMETER: 150mm
TYPE: Hub, Natural



FLANGE DIAMETER: 205mm
TYPE: Hub, Natural



FLANGE DIAMETER: 205mm
TYPE: Parallel 1.6T Hub, Natural



FLANGE DIAMETER: 205mm
TYPE: 2/2.5T Hub, Plated

Standard Hub Part No	Maximum Capacity Per Pair of Hubs with Largest Bearing	Available Bearing Types That Can Be Fitted	Flange Diameter (Nominal)	Hub Outer Boss Diameter (Nominal)	Popular Drilling Patterns
441200	1450 kg	LM, SL	150mm	60.9mm	Ford
441210	1450 kg	LM, SL	150mm	60.9mm	HT
441213	1450 kg	LM, SL	150mm	60.9mm	Commodore
441212	1450 kg	LM, SL	150mm	60.9mm	HQ
441218	650 kg	LM	150mm	53.0mm	Gemini/Honda (Machined outer boss reduces rating)
441215	1000 kg	LM	150mm	60.9mm	Datsun
441219	1000 kg	LM	139.7mm	60.9mm	600 x 9 5 4.25" PCD
441100	1450 kg	LM, SL	150mm	60.9mm	undrilled
441214	1300 kg	LM, SL	150mm	60.9mm	Late Valiant 5 x 4.5" PCD
441217	1000 kg	LM	150mm	60.9mm	Mini
441220	1000 kg	LM	150mm	60.9mm	Cortina
441222	600 kg	LM	150mm	52mm	VW Golf

Standard Hub Part No	Maximum Capacity Per Pair of Hubs with Largest Bearing	Available Bearing Types That Can Be Fitted	Flange Diameter (Nominal)	Hub Outer Boss Diameter (Nominal)	Popular Drilling Patterns
441119	1450 kg	LM, SL	139.7mm	60.9mm	undrilled
442200	1450 kg	LM, SL	190mm	60.9mm	6 stud Land Cruiser/ Nissan
442212	1450 kg	LM, SL	190mm	60.9mm	5 stud Land Cruiser
442100	1450 kg	LM, SL	190mm	60.9mm	Undrilled
442214	1450 kg	LM, SL	190mm	60.9mm	Ford F100
442213	1450 kg	LM, SL	190mm	60.9mm	Subaru
443060	1450 kg	LM, SL	215mm	105mm	Range Rover / Land Rover Defender
443050	1450 kg	LM, SL	215mm	105mm	Undrilled
443055	1450 kg	LM, SL	215mm	105mm	Land Rover
443200	1500 kg	1.5 tonne	205mm	105.5mm	6 stud Land Cruiser / Nissan
443210	1500 kg	1.5 tonne	205mm	105.5mm	5 stud Land Cruiser
443100	1500 kg	1.5 tonne	205mm	105.5mm	Undrilled
443230	1500 kg	1.5 tonne	205mm	105.5mm	Land Rover/ Defender
443240	1500 kg	1.5 tonne	205mm	85.8mm	Ford F100
443220	1500 kg	1.5 tonne	205mm	105.5mm	Land Rover
442455	1600 kg	Parallel	205mm	80mm	Undrilled
442460	1600 kg	Parallel	205mm	80mm	6 stud Land Cruiser / Nissan
442465	1600 kg	Parallel	205mm	80mm	5 stud Land Cruiser
442470	1500kg	Parallel	205mm	80mm	Ford
444200	2000 kg	2 tonne	205mm	105.5mm	6 stud Land Cruiser / Nissan
444210	2000 kg	2 tonne	205mm	105.5mm	5 stud Land Cruiser
444100	2000 kg	2 tonne	205mm	105.5mm	Undrilled
444230	2000 kg	2 tonne	205mm	105.5mm	Land Rover/ Defender
444240	2000 kg	2 tonne	205mm	85.8mm	Ford F100
444220	2000 kg	2 tonne	205mm	105.5mm	Land Rover
445200	3000 kg	3 tonne	205mm	105.5mm	6 stud Land Cruiser/ Nissan
445210	3000 kg	3 tonne	205mm	105.5mm	5 stud Land
445100	3000 kg	3 tonne	205mm	105.5mm	Undrilled
446200	3000 kg	3 tonne	250mm	150mm	Bedford

Galvanised Finish Hubs with Bearing Cups Fitted

Where the high demand for corrosion protection is required such as marine trailer use, AL-KO has developed a range of hot dip galvanised trailer hubs. These hubs are supplied with zinc plated wheel studs and come complete with bearing cups fitted.



Part No	Maximum Capacity Per Pair of Hubs with Largest Bearing	Types of Bearing Cup Fitted	Flange Diameter (Nominal)	Hub Outer Boss Diameter (Nominal)	Drilling Patterns
441205	1000 kg	LM	150mm	60.9mm	HQ
441206	1000 kg	LM	150mm	60.9mm	HT
441231	1000 kg	LM	150mm	60.9mm	Ford
441204	1000 kg	LM	150mm	60.9mm	Commodore
441121	1000 kg	LM	140mm	60.9mm	600 x 9 5 x 4.25
441235	1450 kg	SL	150mm	60.9mm	HQ
441240	1450 kg	SL	150mm	60.9mm	HT
441245	1450 kg	SL	150mm	60.9mm	Ford

Hubs with Bearings, Seal Caps & Nuts Cups Fitted

For a total overhaul or replacing a full hub, AL-KO has a range of complete trailer hubs.



Part No	Description	PCD	Bearings supplied	Seal	Finish
441260	Boxed hub kit Land Cruiser with standard seal & SL bearings.	LCR 6 stud	SL, China	Standard	Natural
441261	Boxed hub kit Land Cruiser with standard seal & LM bearings. *	LCR 6 stud	LM, China	Standard	Natural
441263PL	Boxed hub kit plated Land Cruiser with marine seal & LM bearings.*	LCR 6 stud	LM, Jap	Marine	Zinc Plated
441269	Boxed hub kit Ford with standard seal & SL bearings.	Ford	SL, China	Standard	Natural
441270	Boxed hub kit HQ with standard seal & LM bearings.	HQ	LM, China	Standard	Natural
441271	Boxed hub kit HT with standard seal & LM bearings.	HT	LM, China	Standard	Natural
441272	Boxed hub kit Ford with standard seal & LM bearings.	Ford	LM, China	Standard	Natural
441276PL	Boxed hub kit plated Ford with marine seal & LM bearings.	Ford	LM, Jap	Marine	Zinc Plated
441277PL	Boxed hub kit plated HQ with marine seal & LM bearings.	HQ	LM, Jap	Marine	Zinc Plated
441279G	Boxed hub kit gal HQ with marine seal & LM bearings.	HQ	LM, China	Marine	Galvanised
441280G	Boxed hub kit gal Commodore with marine seal & LM bearings.	Commodore	LM, China	Marine	Galvanised
441281G	Boxed hub kit gal HT with marine seal & LM bearings.	HT	LM, China	Marine	Galvanised
441282G	Boxed hub kit gal ford china lm with marine seal & LM bearings.	Ford	LM, China	Marine	Galvanised
441284	Boxed hub kit Commodore with standard seal & LM bearings.	Commodore	LM, China	Standard	Natural
441286	Boxed hub kit HT with standard seal & SL bearings.	HT	SL, China	Standard	Natural
441287	Boxed hub kit HQ with standard seal & SL bearings.	HQ	SL, China	Standard	Natural

* NB Up to 14" Rim only

Electric Brake Hub Drums & Drums

Brake drums are selected or nominated by the drum diameter, the wheel drilling pattern and in the case of hub drums, the machining profile and appropriate bearings. AL-KO can provide brake drums drilled to suit the majority of popular wheel drilling patterns ex stock and can manufacture to suit other drilling patterns on request. The table below lists popular electric brake drums.



DESCRIPTION: 10" X 2 1/4"
TYPE: Hub Drum, Zinc Plated



DESCRIPTION: 10" X 2 1/4"
TYPE: Parallel Hub Drum, Zinc Plated



DESCRIPTION: 12" X 2"
TYPE: 2/2.5T Hub Drum, Painted



DESCRIPTION: 12"
TYPE: Drum, Natural

Hub Drum fitted with studs only	Description	Type of drum	Maximum axle capacity	Bearings can be fitted to hub drums to suit these machining profiles	Popular wheel drilling patterns
428209	10" x 2 1/4"	Hub drum	1000 kg	LM	Ford
			1450 kg	SL	Ford
428213	10" x 2 1/4"	Hub drum	1200 kg	SL	6 stud LCR/ Nissan
428220	10" x 2 1/4"	Parallel Hub Drum	1600 kg	Parallel	6 stud LCR/ Nissan
428210	10" x 2 1/4"	Hub drum	1000 kg	LM	Commodore
			1450 kg	SL	Commodore
428208	10" x 2 1/4"	Hub drum	1000 kg	LM	HQ
			1450 kg	SL	HQ
428200	10" x 2 1/4"	Hub drum	1000 kg	LM	HT
			1450 kg	SL	HT
428212	10" x 2 1/4"	Hub drum	1200 kg	SL	5 stud LCR
428225	10" x 2 1/4"	Parallel Hub Drum	1600 kg	Parallel	5 stud LCR
428217	10" x 2 1/4"	Hub drum	1200 kg	SL	Range Rover/Land Rover Defender
428223	10" x 2 1/4"	Parallel Hub Drum	1600 kg	Parallel	Range Rover/Land Rover Defender
428205	10" x 2 1/4"	Hub drum	1200 kg	SL	Ford F100
428224			1600 kg	Parallel	Ford F100
428230	10" x 2 1/4"	Parallel Hub Drum	1500kg	Parallel	Ford
429001	12" x 2"	2 tonne Hub Drum	2500 kg	2 tonne	6 stud LCR/ Nissan
429002	12" x 2"	2 tonne Hub Drum	2500 kg	2 tonne	5 stud LCR

Drum only, no studs	Description	Type of drum	Maximum axle capacity	Bearings can be fitted to hub drums to suit these machining profiles	Popular wheel drilling patterns
417105	12" x 2"	Drum	2500 kg	Can be fitted to 1.5t, 2t & 3t hubs	6 stud LCR/ Nissan
417110	12" x 2"	Drum	2500 kg	Can be fitted to 1.5t, 2t & 3t hubs	5 stud LCR
417130	12" x 2"	Drum	2500 kg	Can be fitted to 1.5t, 2t & 3t hubs	Range Rover / Land Defender
417140	12" x 2"	Drum	2500 kg	Can be fitted to 1.5t, 2t & 3t hubs	Ford F100
417150	12" x 2"	Drum	2500 kg	Can be fitted to 1.5t, 2t & 3t hubs	Bedford
419100	12" x 2"	Drum	2500 kg	Can be fitted to 3t hubs	Blank (can be drilled to suit Bedford)

Hub drums are available in many formats from undrilled to complete kit with bearing kits. It is important to select the appropriate brake capacity and to seek advice from AL-KO on the appropriate axle machining profile and bearing configuration to carry and stop the required load given the wheel size that is to be fitted.

The inside drum face where the studs are fitted on the electric hub drums is a machined surface on which the electromagnet runs. When replacing magnets it is recommended that the inside drum face be re-machined or the magnet performance will be affected.

Helpful Hint:

On a new magnet the face is machined flat. When replacing magnets it is recommended that the inside drum face be re-machined

CAUTION

Do not machine the magnet face to be any closer than 0.3mm from the head of the wheel studs.

Hydraulic Brake Hub Drum

Brake drums are selected or nominated by the drum diameter, the wheel drilling pattern and in the case of hub drums, the machining profile and appropriate bearings. AL-KO can provide brake drums drilled to suit the majority of popular wheel drilling patterns ex stock and can manufacture to suit other drilling patterns on request. The table below lists popular hydraulic brake drums.



DESCRIPTION: 9" X 1 3/4"

TYPE: Hub Drum, Natural



DESCRIPTION: 9" X 1 3/4"

TYPE: Hub Drum, Plated

Hub drum fitted with studs only	Description	Type of drum	Maximum axle capacity	Bearings can be fitted to hub drums to suit these machining profiles	Popular wheel drilling patterns
422200	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	HT
422206	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Datsun
422207	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Ford
422208	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	HQ
422210	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Commodore
422219	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Subaru
422205	9" x 1 3/4"	Hub drum	1200 kg	SL	Ford F100
422212	9" x 1 3/4"	Hub drum	1200 kg	SL	5 stud LCR
422213	9" x 1 3/4"	Hub drum	1200 kg	SL	6 stud LCR
422216	9" x 1 3/4"	Hub drum	1200 kg	SL	Range Rover / Land Rover Defender 5 x 6.5"

Brake drums are available in many formats, including undrilled, drilled, studded (with studs & nuts) and with full bearing kits.

It is important to select the appropriate brake capacity and to seek advice from AL-KO on the appropriate axle machining profile and bearing configuration to carry and stop the required load given the wheel size that is to be fitted.

Hydraulic & Mechanical Disc Hubs & Rotors

Disc hubs or rotors are available in untreated plain finish ("as cast"). Some disc hubs are also available in hot dip galvanised or zinc plated finish. With the hot dip galvanised and zinc plated finish, wheel bearings and zinc plated wheel studs are fitted and all appropriate surfaces are coated.

Disc hubs are cast to include the hub, which houses the wheel bearings, whilst rotors are fitted to a separate hub. AL-KO can provide disc hubs and rotors drilled to suit the majority of popular wheel drilling patterns ex stock and can manufacture to suit most other drilling patterns on request, depending on compatibility. The table below lists popular disc hubs and rotors.

Disc hubs are available in many formats, including undrilled, drilled, studded (with studs & nuts) and with full bearing kits.

It is important to select the appropriate brake capacity and to seek advice from AL-KO on the suitable axle machining profile and bearing configuration to carry and stop the required load given the wheel size that is to be fitted.

Note: the braking capacity should be matched to the planned maximum trailer mass.



DESCRIPTION: Disc Hub
13" & 14", Galvanised



DESCRIPTION: Disc Hub
16" , Zinc Plated



DESCRIPTION: Disc Hub
2T, Zinc Plated

Disc fitted with studs only	Finish	Type of disc	Maximum axle capacity	Bearings can be fitted to disc hub to suit these machining profiles	Popular wheel drilling patterns
432207	Plain	Disc hub	1450 kg	LM / SL	Ford
432290	Galvanised	Disc hub	1450 kg	Supplied with SL cups & cones	Ford
432295	Galvanised	Disc hub	1000 kg	Supplied with LM cups & cones	Ford
432210	Plain	Disc hub	1450 kg	LM / SL	Commodore
432208	Plain	Hub disc	1450 kg	LM / SL	HQ
432200	Plain	Disc hub	1450 kg	LM / SL	HT
432280	Galvanised	Disc hub	1450 kg	Supplied with SL cups & cones	HT
432285	Galvanised	Disc hub	1000 kg	Supplied with LM cups & cones	HT
431200	Plain	Disc hub	1000 kg	LM	600 x 9" 5 x4.25 PCD
432145	Plain	Disc hub	1200 kg	SL	6 stud LCR
442462	Plain	Hub disc	1600 kg	Parallel	6 stud LCR
432105	Plain	Rotor only	2000 kg	To suit 1.5 & 2T hub	6 stud LCR
432127	Plain	Disc hub	2000 kg	2T	6 stud LCR
432128	Plain	Disc hub	2000 kg	2T	5 stud LCR
432119	Plain	Hub disc	2000 kg	2T	Land Rover

Disc Hubs & Rotors Boxed

Disc hubs are available as a complete box option. Disc hubs are hot dip galvanised with marine seals making them ideal for servicing your boat trailer with ease. As the kits also all contain bearings, dust cap and wheel nuts and seal.

441290



Description

Boxed marine HT disc hub, complete with wheel nuts, LM bearings, marine seal and grease cap.

Specifications

Suits Wheel Size :	13" & 14"
Stud Pattern:	HT
Bearing:	LM
Maximum Capacity:	1000 kg
Disc Finish:	Galvanised

441293



Description

Boxed marine Ford disc hub, complete with wheel nuts, SL bearings, marine seal and grease cap.

Specifications

Suits Wheel Size :	13" & 14"
Stud Pattern:	Ford
Bearing:	SL
Maximum Capacity:	1400 kg
Disc Finish:	Galvanised

441292



Description

Boxed marine Ford disc hub, complete with wheel nuts, LM bearings, marine seal and grease cap.

Specifications

Suits Wheel Size :	13" & 14"
Stud Pattern:	Ford
Bearing:	LM
Maximum Capacity:	1000 kg
Disc Finish:	Galvanised

Part No	Description	PCD	Bearings supplied	Seal	Finish
441290PL	Boxed disc hub plated HT with marine seal, LM bearings & cap. 12mm thick rotor	HT	LM, Jap	Marine	Zinc Plated
441291	Boxed disc hub galvanised HT with marine seal, SL bearings & cap. 12mm thick rotor	HT	SL, China	Marine	Galvanised
441292PL	Boxed disc hub plated Ford with marine seal, LM bearings & cap. 12mm thick rotor	Ford	LM, Jap	Marine	Zinc Plated
441295PL	Boxed disc hub plated ford with marine seal, SL bearings & cap. 12mm thick rotor	Ford	SL, Jap	Marine	Zinc Plated
441296	Boxed disc hub galvanised hq with marine seal, LM bearings & cap. 12mm thick rotor	HQ	LM, China	Marine	Galvanised
441297	Boxed disc hub galvanised HQ with marine seal, SL bearings & cap. 12mm thick rotor	HQ	SL, China	Marine	Galvanised
441298	Boxed disc hub galvanised with LM bearings marine seal and cap. 12mm thick rotor	Commodore	LM, China	Marine	Galvanised

Disc hubs fitted with stud and cups & cones

Part No	Description	Bearings supplied suit these machining profiles	Supplied drilling pattern	Finish
432280	Disc hub Marine. Suit 13" & 14" Wheels	SL	HT	Galvanised
432285	Disc hub Marine. Suit 13" & 14" Wheels	LM	HT	Galvanised
432290	Disc hub Marine. Suit 13" & 14" Wheels	SL	Ford	Galvanised
432295	Disc hub Marine. Suit 13" & 14" Wheels	LM	Ford	Galvanised

Mechanical Drum Brake Drums

Brake drums are selected or nominated by the drum diameter, the wheel drilling pattern and in the case of hub drums, the machining profile and appropriate bearings. AL-KO International can provide brake drums drilled to suit the majority of popular wheel drilling patterns ex stock and can manufacture to suit other drilling patterns on request. The table below lists popular mechanical brake drums



DESCRIPTION: 9" X 1 3/4"

TYPE: Hub Drum



DESCRIPTION: 9" X 1 3/4"

TYPE: Hub Drum, Plated

Drum fitted with studs only	Description	Type of drum	Maximum axle capacity	Bearings can be fitted to hub drums to suit these machining profiles	Popular wheel drilling patterns
422200	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	HT
422206	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Datsun
422207	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Ford
422208	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	HQ
422210	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Commodore
422219	9" x 1 3/4"	Hub drum	1450 kg	LM/SL	Subaru
422205	9" x 1 3/4"	Hub drum	1200 kg	SL	Ford F100
422212	9" x 1 3/4"	Hub drum	1200 kg	SL	5 stud LCR
422213	9" x 1 3/4"	Hub drum	1200 kg	SL	6 stud LCR
422216	9" x 1 3/4"	Hub drum	1200 kg	SL	Range Rover / Land Rover Defender 5 x 6.5"

Hub drums are available in many formats from undrilled to complete kit with bearing kits. It is important to select the appropriate brake capacity and to seek advice from AL-KO on the appropriate axle machining profile and bearing configuration to carry and stop the required load given the wheel size that is to be fitted.

JOCKEY WHEELS



AL-KO PREMIUM JOCKEY WHEELS

Award winning mobility

For over 20 years, the AL-KO range of Premium Jockey Wheels have been fitted as standard equipment on Australia's leading brands of caravan's and trailers.

AL-KO premium jockey wheels all come with moulded plastic handles to remove the ache associated with the operation of the device.

Range of mounting brackets makes selecting the right jockey wheel easy with a range of options to suit your application

A wide range of jockey wheels, from the 6" diameter solid wheel model, up to our heavy duty model 250mm diameter pneumatic tyre jockey wheel.



Quality in every piece. All AL-KO premium jockey wheels contain a thrust bearing assembly aimed at standing the test time as well as being backed up with a spare parts range.

Intelligent engineering is how AL-KO came up with the 3BX swivel bracket allowing for ease of use with a superior design to reduce the dangers incurred with normal operation wear and tear.

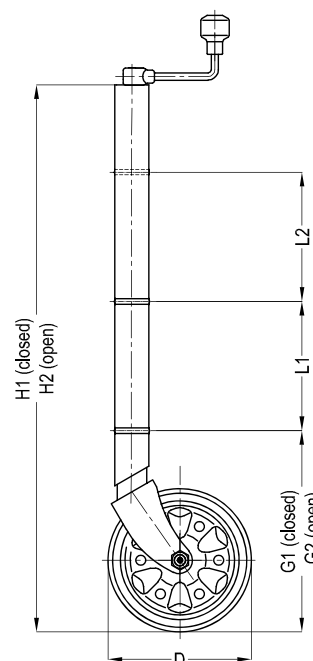
A helpful hint when selecting a jockey wheel size; For soft surfaces select a larger wheel size for easier movement.

PREMIUM JOCKEY WHEELS (JW) WITH AND WITHOUT CLAMPS

The high class range of standard solid tyre jockey wheels are available with and without standard clamps.

This style of general purpose jockey wheel is suitable for most trailer/caravan applications.

For soft ground surfaces we suggest a large diameter jockey wheel.



626600
code: JW6X



Description..
Jockey Wheel, 150mm (6") no clamp, Zinc.

Specifications

Wheel Size (D):	150mm dia.
Mounting:	Clamp
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	507mm
Open H2:	772mm
Closed G1:	202mm
Open G2:	467mm
L1:	182mm
Weight:	4.5 kg

626100
code: JW6



Description
Jockey Wheel, 150mm (6") with clamp, Zinc.

Specifications

Wheel Size (D):	150mm dia.
Mounting:	Clamp
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	507mm
Open H2:	772mm
Closed G1:	202mm
Open G2:	467mm
L1:	182mm
Weight:	5.5 kg

628600
code: JW200X



Description
Jockey Wheel, 200mm (8") no clamp, Zinc.

Specifications

Wheel Size (D):	200mm dia.
Mounting:	Clamp
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	567mm
Open H2:	832mm
Closed G1:	262mm
Open G2:	525mm
L1:	182mm
Weight:	6 kg

628100
code: JW200



Description
Jockey Wheel, 200mm (8") with clamp, Zinc.

Specifications

Wheel Size (D):	150mm dia.
Mounting:	Clamp
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	567mm
Open H2:	832mm
Closed G1:	262mm
Open G2:	522mm
L1:	182mm
Weight:	7 kg

628500
code:



Description
Jockey Wheel, side wind 200mm (8") with clamp, Zinc.

Specifications

Wheel Size:	200mm dia.
Mounting:	Clamp
Static Capacity:	400kg
Closed length:	771mm
Open Length:	1073mm
Tube O.D.:	48mm
Weight:	7.5kg

628300
code: JW200EH



Description
Jockey Wheel, extra height 200mm (8") no clamp, Zinc.

Specifications

Wheel Size (D):	200mm dia.
Mounting:	Clamp
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	730mm
Open H2:	995mm
Closed G1:	370mm
Open G2:	635mm
L1:	132mm
Weight:	7 kg

623650
code: JW250



Description
Jockey Wheel, 250mm (10") with clamp, Zinc.

Specifications

Wheel Size:	250mm dia.
Mounting:	Clamp
Static Capacity:	400kg
Closed length:	635mm
Open Length:	885mm
Tube O.D.:	48mm
Weight:	9kg

628450
code:



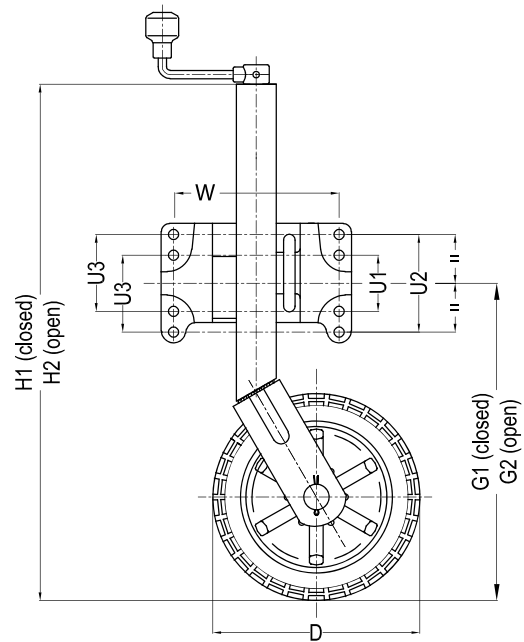
Description
Jockey Wheel, side wind 200mm (8") no clamp, Zinc.

Specifications

Wheel Size:	200mm dia.
Mounting:	Clamp
Static Capacity:	400kg
Closed length:	771mm
Open Length:	1073mm
Tube O.D.:	48mm
Weight:	7.5kg

PREMIUM JOCKEY WHEEL WITH LOCKING PIN SWIVEL BRACKET SL TYPE

Ease of use is the benefit when selecting an AL-KO Swivel Bracket Jockey Wheel. No need to remove it from the trailer - just pull the release handle and the jockey wheel rotates into a suitable travelling position. This unique design is covered by Registered Design in Australia and New Zealand. The swivel bracket can be either welded or bolted to the drawbar. A selection of mounting holes allows the use of u-bolts to attach the jockey wheel to the trailer drawbar. Ideal for marine use.



626200
code: JW6SL



Description
AL-KO Premium Jockey Wheel, 150mm (6") lock pin swivel large bracket, Zinc.

Specifications

Wheel Size (D):	150mm dia.
Mounting:	Swivel
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	510mm
Open H2:	760mm
Closed G1:	305mm
Open G2:	570mm
U1, U2, U3:	63, 113, 88mm
W:	185mm
Weight:	7 kg

628200XP3
code: JW200SL



Description
AL-KO Premium Jockey Wheel, 200mm (8") 3 bolt lock pin swivel bracket, Zinc.

Specifications

Wheel Size (D):	200mm dia.
Mounting:	Swivel
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	570mm
Open H2:	820mm
Closed G1:	305mm
Open G2:	522mm
U1, U2, U3:	63, 113, 88mm
W:	185mm
Weight:	8.5 kg

623660XP3
code: JW250SL



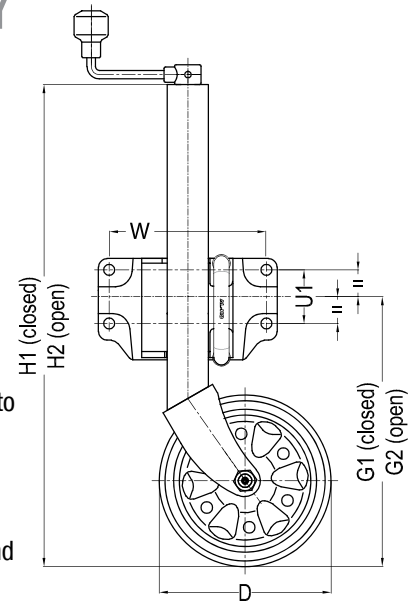
Description
Jockey Wheel, 250mm (10") 3 bolt lock pin swivel bracket, Zinc.

Specifications

Wheel Size (D):	250mm dia.
Mounting:	Swivel
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	630mm
Open H2:	880mm
Closed G1:	410mm
Open G2:	630mm
U1, U2, U3:	63, 113, 88mm
W:	185mm
Weight:	11 kg

PREMIUM JOCKEY WHEEL WITH LOCKING PIN SWIVEL BRACKET SLS TYPE

Ease of use is the benefit when selecting an AL-KO Swivel Bracket Jockey Wheel. No need to remove it from the trailer - just pull the release handle and the jockey wheel rotates into a suitable travelling position. This unique design is covered by Registered Design in Australia and New Zealand. The swivel bracket can be either welded or bolted to the drawbar. A selection of mounting holes allows the use of u-bolts to attach the jockey wheel to the trailer drawbar. Ideal for marine use.



626204
code: JW6SLS



Description
AL-KO Premium Jockey Wheel, 150mm (6") lock pin swivel small bracket, Zinc.

Specifications

Wheel Size (D):	150mm dia.
Mounting:	Swivel
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	510mm
Open H2:	760mm
Closed G1:	305mm
Open G2:	570mm
U:	63mm
W:	185mm
Weight:	7 kg

628204
code: JW200SLS



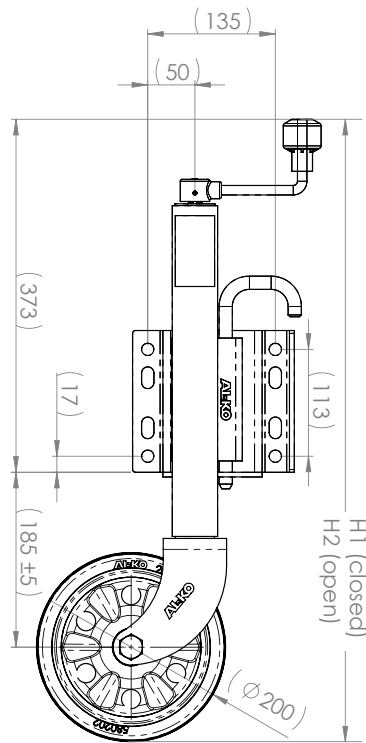
Description
AL-KO Premium Jockey Wheel, 200mm (8") lock pin swivel small bracket, Zinc.

Specifications

Wheel Size (D):	200mm dia.
Mounting:	Swivel
Static Capacity:	400 kg
Tube O.D.:	48mm
Closed H1:	570mm
Open H2:	820mm
Closed G1:	305mm
Open G2:	522mm
U:	63mm
W:	185mm
Weight:	8.5 kg

The AL-KO Premium 8" Heavy Duty Jockey Wheel is ideal for industrial or commercial applications. Added safety comes from the pull pin locking into the swivel bracket limiting lateral forces. With a 500kg static capacity it is a great companion for large plant trailers.

627500



Specifications

88

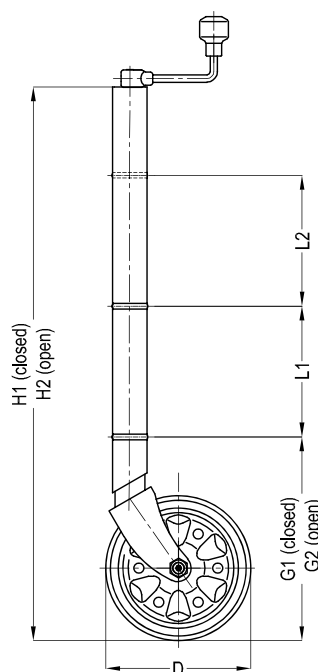
PREMIUM POWER MOVER JOCKEY WHEEL

The AL-KO Power Mover is the easy and convenient way to move any caravan or trailer without back breaking effort. It lifts to a height of 840mm and is respected as a premium product in the market.

The ratchet drive mechanism of the AL-KO Power Mover is strong enough to move the caravans, trailers, jet-skis or boats can be moved and positioned into a tight space with ease and even up small inclines.

It has three functions - forward, reverse & stop/lock and lifts to a height of 840mm.

621250
code:



Description

AL-KO Premium 250mm dia Power Mover with clamp

Specifications

Wheel Size (D):	200mm dia.
Mounting:	Clamp
Static Capacity:	350 kg
Dynamic Capacity:	150 kg
Tube O.D.:	48mm
Closed H1:	510mm
Open H2:	840mm
L1:	185mm
Weight:	14.5 kg

FEATURES

- 10" SOLID RUBBER WHEEL
- Raises to height of 840mm
- Static capacity 350kg
- Dynamic capacity 150kg
- Weight: 14.5kg
- Emergency stop feature



PREMIUM AUTO RETRACT JOCKEY WHEEL

622800
code: JWA800



Description
The AL-KO Premium 10" Auto Retract Jockey Wheels for heavier applications. Winding the handle automatically retracts the wheel and fork to a traveling position.

Specifications

Wheel Size (D):	260mm dia.
Mounting:	Weld or Bolt
Static Capacity:	800 kg
Mounting Detail:	50mm x 70mm
Tube O.D.:	73.5mm
Closed :	840mm
Open :	975mm
Weight:	15 kg



Folding Handle
Folding handle minimises the intrusion on space that can be caused by static handles. Only available on 622800.



Retracting Wheel
When the handle is actuated the wheel is retracted through the yoke mechanism eliminating the need to swivel.

622455
code: JWSA500



Description
AL-KO Premium 8" Semi Auto Retract Jockey Wheel. Winding the handle automatically retracts the wheel and fork to a travelling position. Dynamic capacity is limited to 300kg.

Specifications

Wheel Size:	200mm dia.
Mounting:	Bolt / U Bolt
Static Capacity:	500kg
Closed length:	730mm
Open Length:	975mm
Tube O.D.:	60mm
Weight:	9kg

JOCKEY WHEEL CLAMPS & SWIVELS



629900

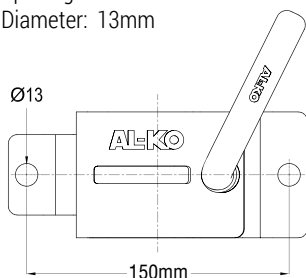
Jockey wheel clamp.

Suits all AL-KO 48mm O.D. tube clamp type jockey wheels

Mounting detail:

Spacings: 150mm

Diameter: 13mm



629915

Jockey wheel double clamp

suits all AL-KO 48mm O.D. tube clamp type jockey wheels

Mounting detail:

Spacings:

150mm x 50mm

150mm x 100mm

Diameter: 13mm



622200

C - Clamp weld on, bolt on.

suits all AL-KO 48mm O.D. tube clamp type jockey wheels.

Mounting detail:

Spacings:

105mm x 50mm

Diameter: 10mm



629951

JRCH jockey wheel clamp

handle&wash including washer with plastic grip



629935

SBLPA - Adjustable swivel clamp.

suits all AL-KO 48mm O.D. tube clamp type jockey wheels.

Mounting detail:

Spacings:

185mm x 50mm,

185mm x 75mm

185mm x 100mm

Diameter: 13mm



629923

3 Bolt swivel bracket large locking

pin bracket only

Mounting detail:

Spacings:

185mm x 50mm,

185mm x 75mm

185mm x 100mm

Diameter: 13mm



629920

SBLP - Swivel bracket locking pin.

suits all AL-KO 48mm O.D. tube jockey wheels.

Mounting detail:

Spacings:

185mm x 50mm,

185mm x 75mm

185mm x 100mm

Diameter: 13mm



629944

SBLPS - Small swivel bracket

locking pin.

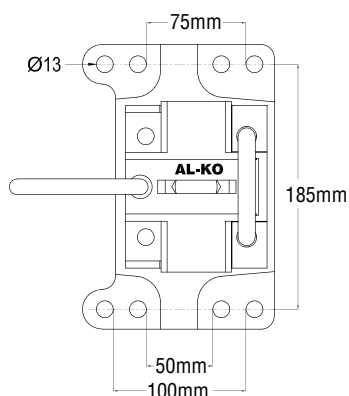
suits all AL-KO 48mm O.D. tube jockey wheels.

Mounting detail:

Spacings:

185mm x 63mm

Diameter: 13mm



JOCKEY WHEEL SERVICE PARTS



629625
Jockey wheel handle, roll pin type.



629601
JRH6 - Jockey wheel handle grub screw style.



629602SP
Jockey wheel thrust bearing kit, skin pack.
Suits all AL-KO jockey wheels.



629600
Spare wheel, 150mm solid tyre.
Suits 626190, 622600



629888
Jockey Wheel - 200mm solid tyre c/w steel wheel.
Suits 628200, 622330



629850
W250S - Wheel steel type solid 250mm.
suits 621805



629455
Jockey Wheel - 200mm solid tyre c/w steel wheel.
Suits 622455



629880
Jockey Wheel - 260mm solid tyre c/w steel wheel.
Suits 622800



629607
Axle bolt & nyloc nut
suits 150mm wheel

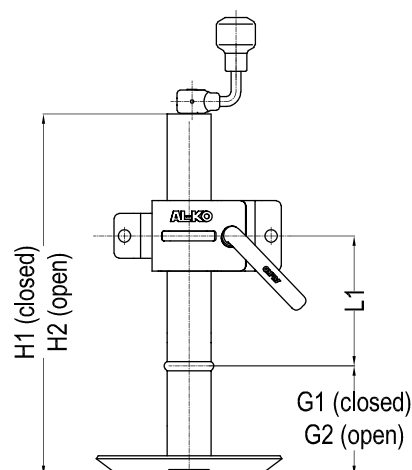


629910
Jockey wheel grip handle for manouevring

ADJUSTABLE STANDS

When rigid stability is required the AL-KO range of stands fits the bill. Available in varying heights and also in weld on swivel bracket versions.

These steady stands are ideal for fixed location stabilizing of trailers and plant equipment.



622114
code: AS14



Description

Adjustable stand 14" complete with clamp

Specifications

Capacity :	400 kg
H1 (Closed length):	375mm
H2 (Open Length):	625mm
G1:	70mm
G2:	320mm
L1:	185mm
Tube O.D.:	48mm
Surface Finish:	Zinc plated
Weight:	4.5 kg

622120
code: AS20



Description

Adjustable stand 20" complete with clamp

Specifications

Capacity :	400 kg
H1 (Closed length):	515mm
H2 (Open Length):	765mm
G1:	160mm
G2:	410mm
L1:	132mm
Tube O.D.:	48mm
Surface Finish:	Zinc plated
Weight:	5 kg

622127
code: AS27



Description

Adjustable stand 27" complete with clamp

Specifications

Capacity :	400 kg
H1 (Closed length):	695mm
H2 (Open Length):	945mm
G1:	360mm
G2:	610mm
L1:	132mm
Tube O.D.:	48mm
Surface Finish:	Zinc plated
Weight:	6 kg

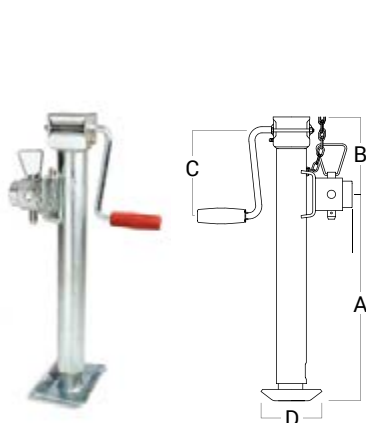
LANDING LEGS

The range of AL-KO Landing Legs are ideal for stabilising plant trailers, camper trailers, 5th wheeler caravans and agricultural equipment, the AL-KO Landing Leg is a necessary inclusion to the toolkit of the commercial contractor, farmer and camping enthusiast alike. All bases are covered with the AL-KO range of Landing Legs, with static loads ranging from 1,300 to 4,500kg.

The standard plant trailer right up to a fully loaded water tank is easily stabilised into position with the side wind operation. Flexibility is a major feature of the AL-KO Landing Leg range. The customer can choose to include or exclude tube mounting kits.-

The AL-KO Landing Leg is your ideal choice when looking to safely and efficiently stabilise your trailer, camper, 5th wheeler caravan or agricultural machinery.

622057



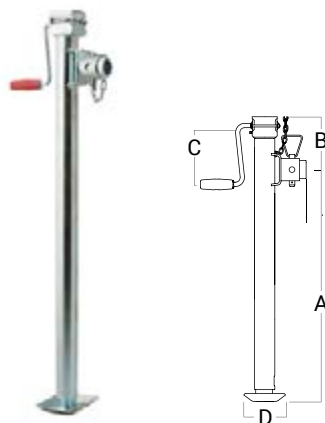
Description

Round landing leg short, comes with swivel mount.

Specifications

Tube Profile:	57.5mm Round
Mount fitted:	Yes
Capacity :	1,300 kg
Stroke length:	400 mm
Open Length:	900 mm
Closed Length:	550 mm
Finish:	Zinc Plated
Weight:	6.7 kg
A	400 mm
B	150 mm
C	167 mm
D	118 mm

622057L



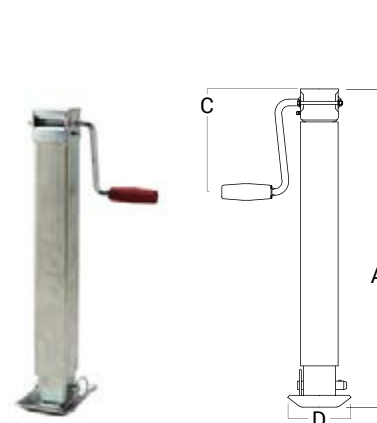
Description

Round landing leg long, comes with swivel mount.

Specifications

Tube Profile:	57.5mm Round
Mount fitted:	Yes
Capacity :	1,300 kg
Stroke length:	380 mm
Open Length:	1440 mm
Closed Length:	1060 mm
Finish:	Zinc Plated
Weight:	9.1 kg
A	910 mm
B	150 mm
C	167 mm
D	118 mm

622070



Description

Square landing leg with drop leg, does not come with swivel mount.

Specifications

Tube Profile:	70mm Square (With drop down leg)
Mount fitted:	No
Capacity :	1,500 kg
Stroke length:	680 mm
Open Length:	1275 mm
Closed Length:	595 mm
Finish:	Zinc Plated
Weight:	11.8 kg
A	595 mm
B	NA
C	167 mm
D	118mm



622000

Chassis Mount & Tube Bracket Kit,
Zinc Plated



622111

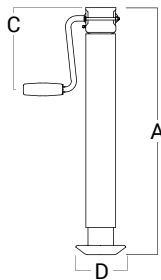
Spare handle for 110mm Square landing leg.
Suits 622110



622011

Landing leg pin & chain

622071



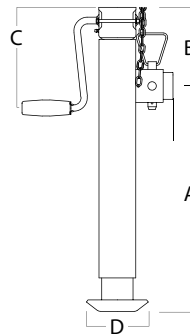
Description

Square landing leg, does not come with swivel mount.

Specifications

Tube Profile:	70mm Square
Mount fitted:	No
Capacity :	2,000 kg
Stroke length:	360 mm
Open Length:	940 mm
Closed Length:	550 mm
Finish:	Zinc Plated
Weight:	9.9 kg
A	360 mm
B	NA
C	167 mm
D	118mm

622071WTM



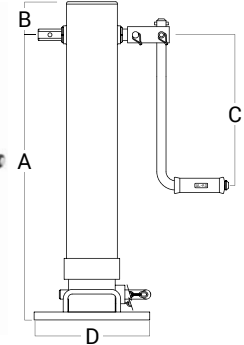
Description

Square landing leg, comes with swivel mount.

Specifications

Tube Profile:	70mm Square
Mount fitted:	Yes
Capacity :	2,000 kg
Stroke length:	360 mm
Open Length:	940 mm
Closed Length:	580 mm
Finish:	Zinc Plated
Weight:	10.4 kg
A	430 mm
B	150 mm
C	167 mm
D	118 mm

622110



Description

Heavy duty landing leg.

Specifications

Tube Profile:	110mm Square
Mount fitted:	No
Capacity :	4,500 kg
Stroke length:	585 mm
Open Length:	1275 mm
Closed Length:	690 mm
Finish:	Zinc Plated
Weight:	32.9 kg
A	610 mm
B	80 mm
C	326 mm
D	250mm

CORNER STEADIES

When rigid stability is required the AL-KO range of stands fits the bill. Available in varying heights and also in weld on swivel bracket versions. These steady stands are ideal for fixed location stabilizing of trailers and plant equipment.

654859



Description

Corner steady drop down 590mm, fitted with Big foot

Specifications

Surface Finish:	Zinc plated
Closed length:	410mm
Open Length:	590mm

654874



Description

Corner steady drop down 740mm, fitted with Big foot

Specifications

Surface Finish:	Zinc plated
Closed length:	510mm
Open Length:	740mm

654884



Description

Corner steady drop down 840mm, fitted with Big foot

Specifications

Surface Finish:	Zinc plated
Closed length:	610mm
Open Length:	840mm

654859B



Description

Corner steady drop down 590mm, fitted with Big foot

Specifications

Surface Finish:	E Coat, Black
Closed length:	410mm
Open Length:	590mm

654874B



Description

Corner steady drop down 740mm, fitted with Big foot

Specifications

Surface Finish:	E Coat, Black
Closed length:	510mm
Open Length:	740mm

654884B



Description

Corner steady drop down 840mm, fitted with Big foot

Specifications

Surface Finish:	E Coat, Black
Closed length:	610mm
Open Length:	840mm

654874AL



Description

Corner steady drop down 740mm, fitted with large anti-free aluminium foot

Specifications

Surface Finish:	Zinc plated
Closed length:	510mm
Open Length:	740mm

654500



Description

Corner steady hex drive 500mm.
No wheel.

Specifications

Surface Finish:	Zinc plated
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

654500G



Description

Corner steady hex drive 500mm.
No wheel.

Specifications

Surface Finish:	Galvanised
Mounting Type:	Top bolt
Mounting Spacing:	750mm x 25
Hole Size:	6mm

654530



Description

Rear, corner steady hex drive 500mm.
With wheel

Specifications

Surface Finish:	Zinc plated
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

654555GBF



Description

Corner steady 500mm, fitted with Big foot.
No wheel

Specifications

Surface Finish:	Galvanised
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

654600



Description

Front, corner steady hex drive 600mm.
No wheel

Specifications

Surface Finish:	Zinc plated
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

654630



Description

Rear, corner steady hex drive 600mm.
With wheel

Specifications

Surface Finish:	Zinc plated
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

654701G



Description

Corner steady hex drive 700mm.

Specifications

Surface Finish:	Galvanised
Mounting Type:	Top bolt
Mounting Spacing:	750mm x 25mm
Hole Size:	6mm

654701



Description

Corner steady hex drive 700mm.

Specifications

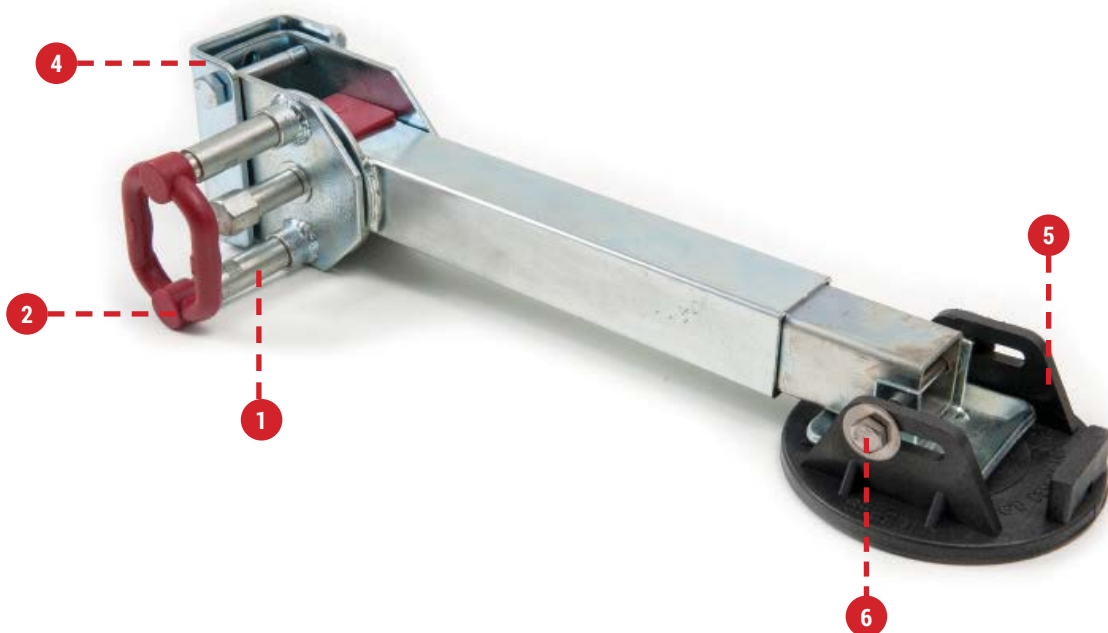
Surface Finish:	Zinc plated
Mounting Type:	Side bolt
Mounting Spacing:	250mm
Slot Size:	14mm x 10mm

655410



Description

Corner steady AL-KO 1000 kg
(Euro style)



1



654882
Drop down pull pin
assembly

2



654880
Corner steady drop down
handle

2



654880AL
Corner steady drop down
handle Aluminium

3



654881
Plug for handle

4



654885
Corner steady drop down
mounting bracket

5



655900
Big foot boxed set of corner
steady expansion feet
Suits: Drop down corner steadies

5



655901
Big foot corner steady expansion
- single foot
Suits: Drop down corner
steadies

6



655902
Big foot hardware kit - single
foot kit
Suits: Big foot corner steady
expansion



655903
Big foot bolt nut and washer
stainless steel



654556
Corner steady bracket side
mount



654845
Corner steady hex drive handle
450mm



654700
Corner steady hex drive
handle 800mm



654702
Corner steady hex drive off-road handle
1150mm

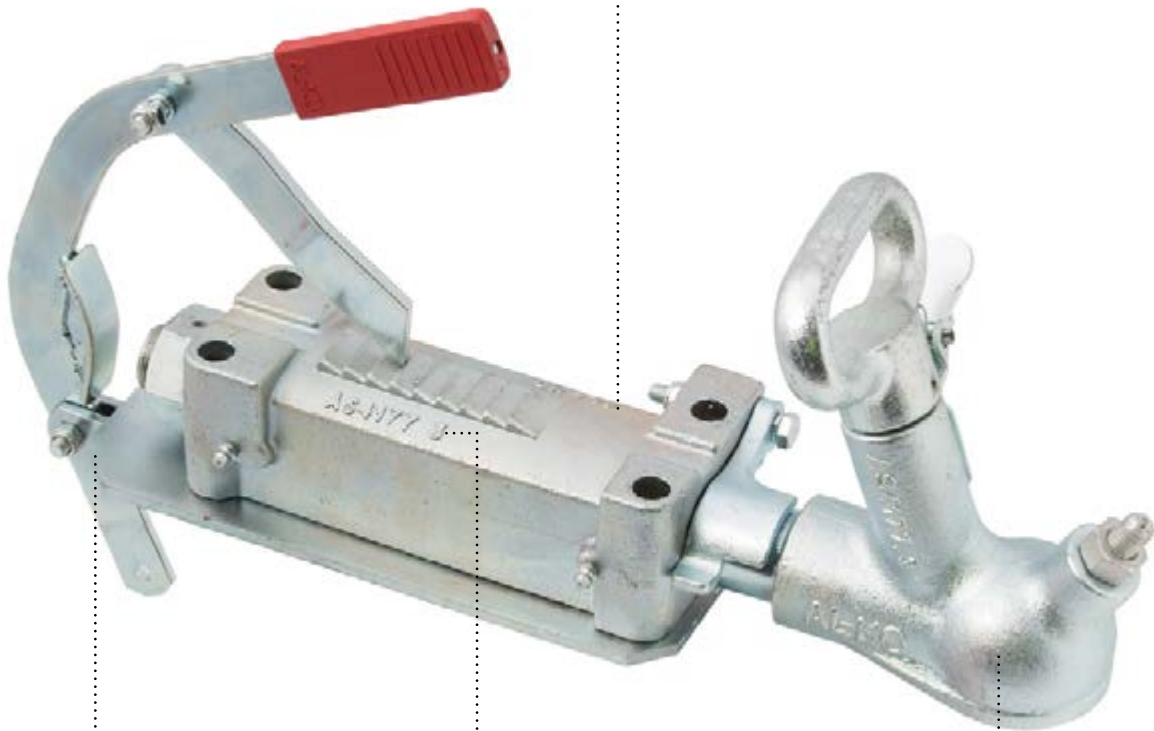
COUPLINGS



The vital link.

As a dedicated quality supplier, AL-KO ensures that each and every trailer coupling in our extensive range conform to the relevant Australian regulations. This guarantees that every AL-KO coupling you use is safe and capable of performing to a high standard.

Fixed couplings to suit
Electric brakes up to 3500kg
and over ride couplings for
hydraulic actuation up to
2000 kg.



Mechanical park actuation or
adaptation available for most
AL-KO couplings

AL-KO are serious about
quality that's why our
couplings are manufactured
and compliant to AS4177.3
and Australian regulations.

Couplings available to suit
50mm towballs and 75mm
Ring. Multiple hitch solutions
for specific application from
the adventures traveller to
ring couplings suited to
heavier industrial applications.

FIXED COUPLINGS

This style of coupling is suitable to be used where either there are no brakes fitted to the trailer or the braking system does not require activation from a sliding or overrun coupling.

AL-KO couplings are simple to attach to the towball and provide safe secure attachment of the trailer to the tow vehicle.

Typical applications for domestic trailers up to 750 kg ATM (total loaded mass), where no brakes are required. For independent brake systems such as electric or power operated like the IQ7 system for marine trailers over 2000 kg ATM (total loaded mass), a fixed coupling is the appropriate selection. Fixed couplings for 50mm towballs are suitable for up to 3500 kg ATM (total loaded trailer mass) as long as the appropriate braking system is fitted to the trailer.

616200



Description

AK7 Pressed metal (to suit 50mm drawbar)
750 kg capacity.

Specifications

Capacity :	750 kg
Suits Ball Size:	50mm
Mounting Pattern:	50mm x 90mm
Hole Diameter:	12.2mm
Ball to First Hole:	110mm
Surface Finish:	Zinc plated

616260



Description

AK7 Pressed metal (to suit 60mm drawbar)
750 kg capacity.

Specifications

Capacity :	750 kg
Suits Ball Size:	50mm
Mounting Pattern:	60mm x 90mm
Hole Diameter:	12.2mm
Ball to First Hole:	110mm
Surface Finish:	Zinc plated

614062



Description

Coupling, snap on 2 hole with adjuster. Suits
50mm ball. Painted finish.
2000 kg capacity.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	50mm x 90mm
Hole Diameter:	12.2mm
Ball to First Hole:	110mm
Surface Finish:	Painted

614060PL



Description

Coupling, snap on 2 hole, Lightweight with
adjuster. Suits 50mm ball. Zinc finish.
2000 kg capacity.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	102mm
Hole Diameter:	13.5mm
Ball to First Hole:	77mm
Surface Finish:	Zinc plated

614070PL



Description

Coupling, snap on 3 hole with adjuster. Suits
50mm ball. Zinc finish.
2000 kg capacity.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	111mm x 51mm
Hole Diameter:	13.5mm
Ball to First Hole:	67mm
Surface Finish:	Zinc plated

Helpful Hint:

AL-KO recommend the
use of high tensile
mounting bolts on all
couplings.

614010PL



Description

Coupling, snap on 4 hole, 3500 kg Fixed, suits electric brakes and a 50mm ball. Plated finish.

Specifications

Capacity :	3500 kg
Suits Ball Size:	50mm
Mounting Pattern:	182.5mm x 55mm
Hole Diameter:	13.5mm
Ball to First Hole:	128mm
Surface Finish:	Zinc plated

614010PLWCA



Description

Coupling, snap on 4 hole, 3500 kg Fixed, suits electric brakes and a 50mm ball. Fitted with cable adjuster, Plated finish.

Specifications

Capacity :	3500 kg
Suits Ball Size:	50mm
Mounting Pattern:	182.5mm x 55mm
Hole Diameter:	13.5mm
Ball to First Hole:	128mm
Surface Finish:	Zinc plated

614010PLM



Description

Coupling, Marine, snap on 4 hole, 3500 kg Fixed, suits electric brakes and a 50mm ball. Plated finish.

Specifications

Capacity :	3500 kg
Suits Ball Size:	50mm
Mounting Pattern:	182.5mm x 55mm
Hole Diameter:	13.5mm
Ball to First Hole:	128mm
Surface Finish:	Zinc plated

614015



Description

Coupling, Premium, snap on 4 hole, 3500 kg Fixed, suits electric brakes and a 50mm ball. No park brake, Plated finish.

Specifications

Capacity :	3500 kg
Suits Ball Size:	50mm
Mounting Pattern:	182.5mm x 55mm
Hole Diameter:	13.5mm
Ball to First Hole:	128mm
Surface Finish:	Zinc plated

614015PBWCA



Description

Coupling, Premium, snap on 4 hole 3500 kg Fixed, suits electric brakes and a 50mm ball. Premium park brake and cable adjuster, Plated finish.

Capacity :	3500 kg
Suits Ball Size:	50mm
Mounting Pattern:	182.5mm x 55mm
Hole Diameter:	13.5mm
Ball to First Hole:	128mm
Surface Finish:	Zinc plated

VERRIDE OR OVERRUN BRAKE COUPLINGS

On trailers between 750 kg and 2000 kg ATM (total loaded mass), braking systems that use an override principal are acceptable, as long as they provide adequate braking for the trailer and tow vehicle combination.

The principal of this type of coupling is a sliding shaft attached to the tow ball housing of the coupling, and as the tow vehicle slows down the force of deceleration is passed through the coupling shaft and pushed either on a mechanical linkage (for mechanical brakes) or acts on a linkage connected to a hydraulic cylinder providing hydraulic pressure to a braking system (hydraulic brakes) .

This type of coupling is efficient if the ball load is not excessive and when load levelling devices are not used, as these devices impede the smooth operation of the coupling, hindering the brake performance.

614020PL



Description

Override snap on 4 hole coupling with adjuster and 3/4" master cylinder. Suits hydraulic brakes.

Specifications

Capacity :	1000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

614027PL



Description

Override snap on 4 hole coupling with adjuster and. Suits override brakes.

Specifications

Capacity :	1000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

614040PL



Description

Override snap on 4 hole coupling with adjuster and 3/4" master cylinder. Suits hydraulic brakes.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

614042PL



Description

Override snap on 4 hole coupling with adjuster and 7/8" master cylinder. Suits hydraulic brakes.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

614050PL



Description

Override snap on 4 hole coupling with adjuster and brake plate. Suits mechanical brakes.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

614054PL



Description

Override snap on 4 hole coupling with adjuster and. Suits override brakes.

Specifications

Capacity :	2000 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	137mm
Surface Finish:	Zinc plated

STABILISER COUPLINGS

AL-KO has a specific coupling designed to reduce trailer sway. This 50mm ball type fixed coupling is designed to be used on trailer up to 2500 kg ATM (total loaded mass) and with a maximum tow ball weight of 250 kg.

This unique product incorporates a clamping system that grips the sides of a **specially designed 50mm towball** and resists movement of the trailer. This action slows down any tendency for the trailer to sway or veer from a straight condition. This is particularly beneficial when large trailers such as caravans are buffeted by side winds or by a passing truck and trailer combination.

Note: This type of coupling must only be used with a 50mm ball which has an anti-rotation plate for attachment to the vehicle fitted.

618304

Description

AKS 3004 Stabilizer Kit – (special anti-rotation AL-KO towball, towbar adapter included). Suits electric brakes

Specifications

Capacity :	2500 kg
Suits Ball Size:	50mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ball to First Hole:	203mm
Surface Finish:	Zinc plated



618100

AKS Anti Rotation 50mm towball plate for lug type tow bar 75mm wide



618200

AKS Anti Rotation 50mm towball plate for weight distributing hitch



618205

AKS Anti Rotation 50mm towball plate for weight distributing hitch 76003 series



618904

AKS Anti Rotation 50mm towball Black



618901

AKS Anti Rotation 50mm high rise towball Black



618925

AKS Side Friction Pads for AKS 3004 head - Set of 2



618940

AKS Front & Back Friction Pads for AKS 3004 head - Set of 2



991220759

AKS 1300 Pad Kit

OFF-ROAD COUPLINGS

When a coupling is used in rough off-road conditions, the standard degree of articulation (or angles of available movement) may be insufficient. This articulation problem was solved by the introduction of the original AL-KO Off-Road Ball Coupling.

Now many years down the track our Australian engineers have incorporated feedback from manufacturers, retailers and caravan owners into a new generation of products that provides further improved ease of use and durability for serious off-road use.

Engineered by AL-KO in Australia specifically for extreme off-road adventure, the new AL-KO Off-Road Couplings incorporate extreme vertical and horizontal articulation as well as a quick & easy hitching.

All are made from high quality materials designed to endure serious off road use and provide you with the confidence you need to take your rig in to the most remote parts of Australia or New Zealand.

619350



Description

New model, Off Road coupling 50mm Ball Fixed.

Specifications

Suits brake type:	Electric
Suits	50mm Ball
Capacity :	3500 kg
Centre of ring to first hole	149.5mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Surface Finish:	Zinc plated

619200



Description

New model, Off Road coupling 50mm Ball Override.

Specifications

Suits brake type:	Hydraulic/ Mechanical
Suits	50mm Ball
Capacity :	2000 kg
Centre of ring to first hole	149.5mm
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Surface Finish:	Zinc plated

Learn more at alko.com.au

RING TYPE COUPLINGS 75mm

When used in a commercial or defence department application, often a 75mm ring type towing eye is requested.

This style of coupling is similar in function to ball type couplings (fixed and override) but instead of the connection to the tow vehicle being a standard 50mm ball, the connection is a 75mm inside diameter ring and this attaches to a pintle hook fitted to the tow vehicle. These types of couplings are typically used in applications where the tow vehicle is a heavy commercial truck.

As the Australian Standard AS4177 states the 50mm towball to have a maximum capacity of 3500 kg ATM (total loaded mass), ring couplings are used when higher loads are involved.

614090



Description

75mm Ring Coupling 2000 kg. Hydraulic Override with 3/4" master cylinder conversion. Painted finish.

Specifications

Capacity :	2000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

614092



Description

75mm Ring Coupling 2000 kg. Hydraulic Override with 7/8" master cylinder conversion. Painted finish.

Specifications

Capacity :	2000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

614095



Description

75mm Ring Coupling 3000 kg. Override no brake plate. Zinc plated body.

Specifications

Capacity :	3000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

614309



Description

Fixed ring coupling, 4 hole, Plated finish

Specifications

Suits brake type:	Electric/Air
Suits	Pintel Hook
Capacity :	6000 kg
Centre of ring to first hole	116mm
Mounting Pattern:	182mm x 52mm
Hole Diameter:	16.8mm
Surface Finish:	Zinc plated

614304



Description

Fixed ring coupling, 3 hole, Plated finish

Specifications

Suits brake type:	Electric/Air
Suits	Pintel Hook
Capacity :	3,500 kg
Centre of ring to first hole	86mm
Mounting Pattern:	103mm x 56mm
Hole Diameter:	16.8mm
Surface Finish:	Zinc plated

614096



Description

75mm Ring Coupling 2000 kg. Override no brake plate. Painted finish.

Specifications

Capacity :	2000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

614098



Description

75mm Ring Coupling 2000 kg Mechanical Override with brake plate. Painted finish.

Specifications

Capacity :	2000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

614128



Description

75mm Ring Coupling 3000 kg Mechanical Override with brake plate. Zinc plated finish.

Specifications

Capacity :	3000 kg
Mounting Pattern:	184mm x 54mm
Hole Diameter:	13.5mm
Ring centre to First Hole:	138mm
Surface Finish:	Zinc plated

Pintle Hooks

When used in a commercial or defence department application, often a 75mm ring type towing eye is requested for the offroad coupling.

This style of coupling is similar in function to ball type couplings (fixed and override) but instead of the connection to the tow vehicle being a standard 50mm ball, the connection is a 75mm inside diameter ring and this attaches to a pintle hook fitted to the tow vehicle. These types of couplings are typically used in applications where the tow vehicle is a heavy commercial truck.

50mm towballs typically have a maximum capacity of 3500 kg ATM (total loaded mass), ring couplings are used when higher loads are involved.

614310



Description

Pintle Hook & Ball combination.

Specifications

Hook Capacity:	6000 kg
Ball Capacity:	3500 kg
Mounting Pattern:	45mm x 85mm
Hole Diameter:	12.5mm
Surface Finish:	Painted

614312



Description

Pintle hook 10 tonne.

Specifications

Hook Capacity:	6000 kg
Ball Capacity:	N/A
Mounting Pattern:	45mm x 85mm
Hole Diameter:	12.5mm
Surface Finish:	Painted

614311



Description

6 tonne Pintle Hook receiver

Specifications

Capacity:	6000 kg
Mounting Pattern:	45mm x 85mm
Hole Diameter:	12.5mm
Surface Finish:	Painted

Pintle Hook Spares



614313

50mm Replacement ball for combination Pintle hook.

3500 kg capacity.

Suits: 614310

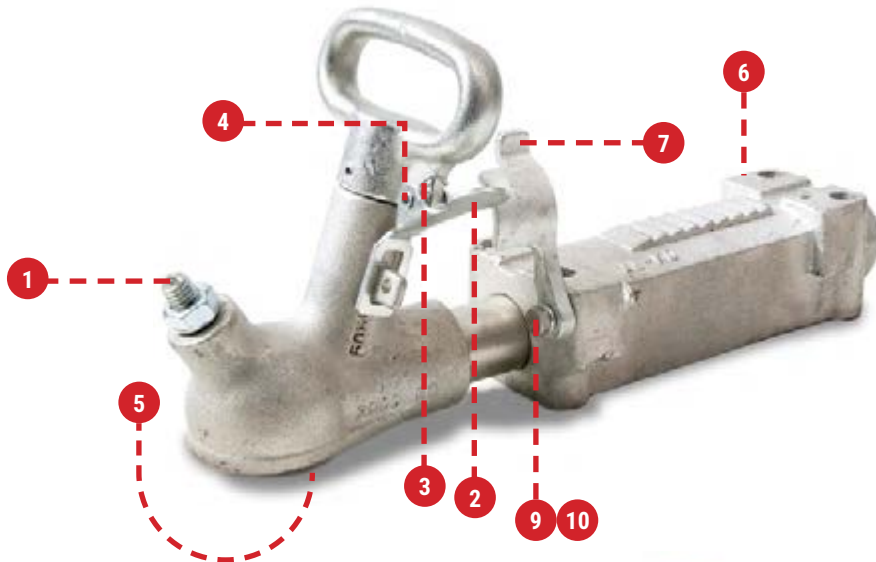
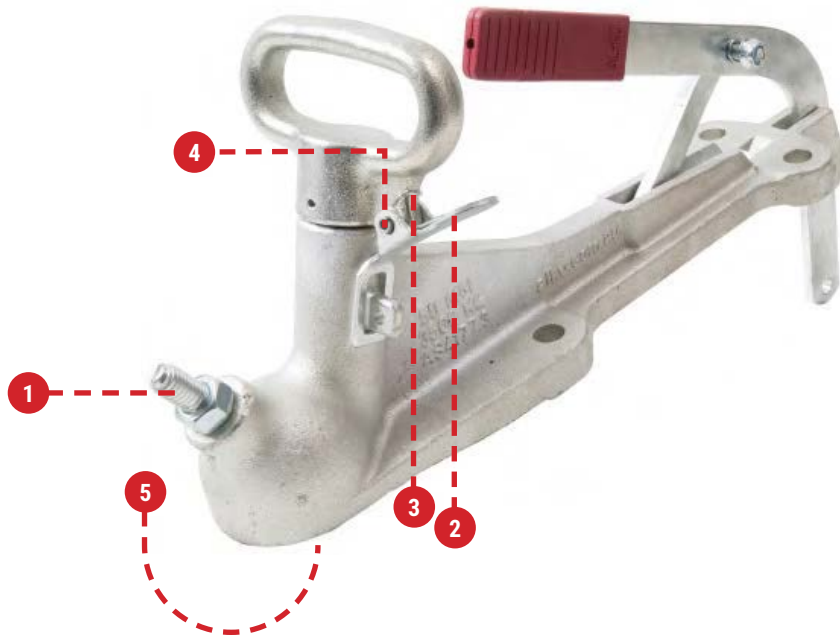


614314

Safety clip & chain.

SAPHPIN

Suits: 614310, 614312,



Coupling Service Parts

1



610910
Coupling ball adjuster screw.

2



610924
Coupling handle trigger.

3



610925
Coupling trigger Spring.

2,3,4,5



610929
Coupling handle, trigger & tongue sub assembly.

4



610926
Roll pin coupling trigger 1/4" x 7/8" Zinc Plated

5



610928
Coupling tongue spring.

6



610933
Coupling Override Body Grease Nipple Screw In

7



610934
Coupling Reverse Stop

8



610943
Coupling Hydraulic Conversion With 3/4" Master Cylinder

8



610944
Coupling Hydraulic Conversion With 7/8" Master Cylinder

9



610945
Washer spring 5/16" Zinc Coupling reverse stop.

10



610947
Coupling reversing latch bolt 3/8" UNF x 2 1/4"

2,3,4



610909

Coupling plunger type trigger, spring and roll pin skin pack.



323030

Brake cable kit (10 metre cable & adjuster, 2 clips & 2 pulleys)



323025

Brake cable kit (8 metre cable & adjuster, 2 clips & 2 pulleys)



614053

Coupling brake plate low profile lever plated.

Mounting detail: 4 hole
Spacings: 184mm x 54mm
Diameter: 13.5mm



614055

Offroad coupling park lever brake plate.

Mounting detail: 4 hole
Spacings: 184mm x 54mm
Diameter: 13.5mm



619100

Mechanical park brake mechanism 400mm

Mounting detail: 2 hole
Spacings: 60mm
Diameter: 13mm



619150

Mechanical park brake mechanism, 280mm with cable pulley attached. Suits standard coupling rear fixing hole centres. May require 618926 to level coupling.

Mounting detail: 2 hole
Spacings: 55mm
Diameter: 13mm



618926

Front spacer plate for Mechanical park brake mechanism. Suits 619150,

Mounting detail: 2 hole
Spacings: 55mm
Diameter: 13mm



619931

Coupling Off-road lock ring spare part

WINCHES

PREMIUM MARINE WINCHES

AL-KO Premium Marine Winches come in 5 capacities – 250 kg, 500 kg, 700 kg, 1000 kg and 1200 kg, and are available with cable or webbing.

Perfectly suited for quick boat retrieval onto a multi-roller trailer all 500 kg and above AL-KO Premium Marine Winches are multi speed with 2 or 3 speeds. The 1:1 ratio enables the initial retrieval of the boat onto the rollers and the second (or third) ratios allow for the full weight of your boat to be pulled onto the trailer, with ease.

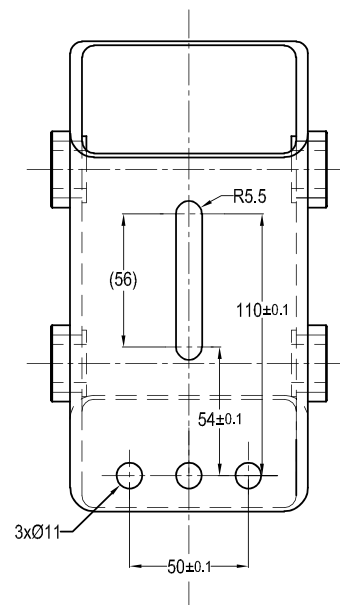
These winches are of the highest quality to ensure long trouble free operation. They feature ultra high strength shaft bushes, a stainless steel drive shaft, drive pawl and spring system for maximum corrosion resistance. A unique feature of the Premium range is the galvanised rectangular frame that provides the high resistance to torsional distortion.

The clever handle design allows quick release and re-attachment to the desired gear shaft without the operator having to jump from one side of the trailer to the other.

The bolt hole patterns suit most existing boat trailers.

The AL-KO winches are covered by registered design.

Winch mounting detail



635003
WPM500



Specifications

Rated Line Pull:	500 kg
Gear Ratio:	3:1 1:1
Hook Type:	"S" Hook
Cable Length:	4mm x 6 mt
Webbing Length:	N/A
Handle Length:	190 mm
Weight:	4.1 kg

635003W
WPM500W



Specifications

Rated Line Pull:	500 kg
Gear Ratio:	3:1 1:1
Hook Type:	"S" Hook
Cable Length:	N/A
Webbing Length:	50mm x 4 mt
Handle Length:	190 mm
Weight:	3.9 kg

635005
WPM700



Specifications

Rated Line Pull:	700 kg
Gear Ratio:	5:11:1
Hook Type:	Snap Hook
Cable Length:	5mm x 6 mt
Webbing Length:	N/A
Handle Length:	190 mm
Weight:	6.9 kg

635005W
WPM700W



Specifications

Rated Line Pull:	700 kg
Gear Ratio:	5:11:1
Hook Type:	Snap hook
Cable Length:	N/A
Webbing Length:	50mm x 6 mt
Handle Length:	190 mm
Weight:	6.8 kg

635010
WPM1000



Specifications

Rated Line Pull:	1000 kg
Gear Ratio:	10:1 5:1 1:1
Hook Type:	Snap hook
Cable Length:	6mm x 7.5 mt
Webbing Length:	N/A
Handle Length:	190 mm
Weight:	8.6 kg

635010W
WPM1000W



Specifications

Rated Line Pull:	1000 kg
Gear Ratio:	10:1 5:1 1:1
Hook Type:	Snap hook
Cable Length:	N/A
Webbing Length:	50mm x 7.5 mt
Handle Length:	190 mm
Weight:	8.1 kg

635015
WPM1200



Specifications

Rated Line Pull:	1200 kg
Gear Ratio:	15:1 5:1 1:1
Hook Type:	Snap hook
Cable Length:	6mm x 7.5 mt
Webbing Length:	N/A
Handle Length:	190 mm
Weight:	8.7 kg

635015W
WPM1200W



Specifications

Rated Line Pull:	1200 kg
Gear Ratio:	15:1 5:1 1:1
Hook Type:	Snap Hook
Cable Length:	N/A
Webbing Length:	50mm x 7.5m
Handle Length:	190 mm
Weight:	-

AL-KO SAFETY WINCHES (LESS CABLE)

The AL-KO range of safety winches provide the muscle that ensures problems in lifting, lowering, manoeuvring or positioning heavy loads are a thing of the past. Whether it's caravans on boggy ground, boat trailers up ramps, irrigation pumps up riverbanks, rubble sliding up scaffolding, erecting lighting towers on highways, etc - whatever the task there is an AL-KO winch to match the job.

Made to the strictest safety and quality control ensures you get the best safety winch

LOAD PRESSURE BRAKE

Automatic



SURFACE TREATMENT

High-quality zinc-nickel coating approx. 400 hours salt spray test

YOUR ADVANTAGE

- Modern design
- Automatic weight brake
- Plastic gear cover
- High-quality corrosion protection
- Cable drum with plain bearing
- Range: 350 / 500 / 900 kg

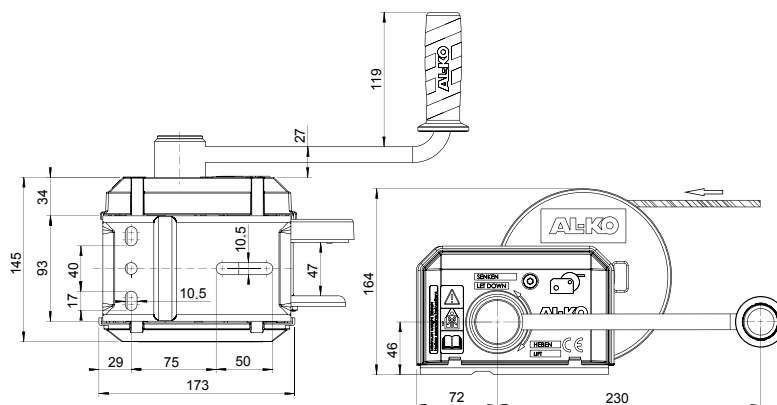
631235
991225998



AL-KO Safety winch, No cable

Specifications

Capacity:	350 kg
Gear Ratio:	2.50:1
Manual Force	200 N
4mm Cable capacity:	15mt
Webbing capacity:	4mt
Weight without cable:	2.0 kg



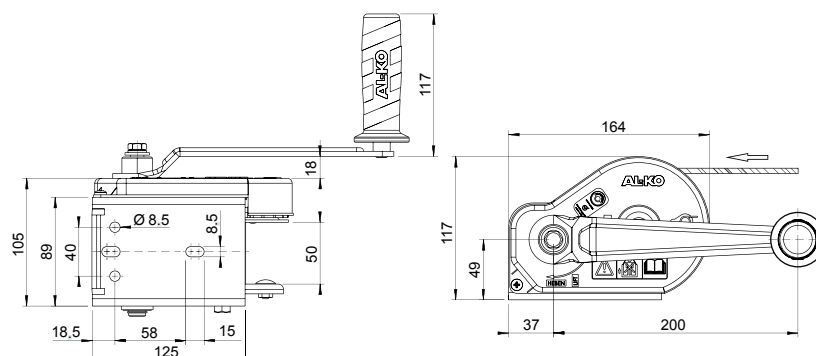
631250
991730003



AL-KO Safety winch, No cable

Specifications

Capacity:	500 kg
Gear Ratio:	3.75:1
Manual Force	200 N
5mm Cable capacity:	20mt
Webbing capacity:	7mt
Weight without cable:	5.0 kg



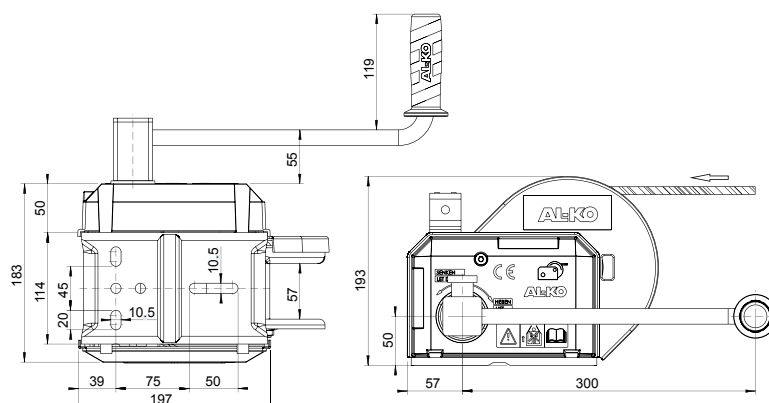
631290
991730010



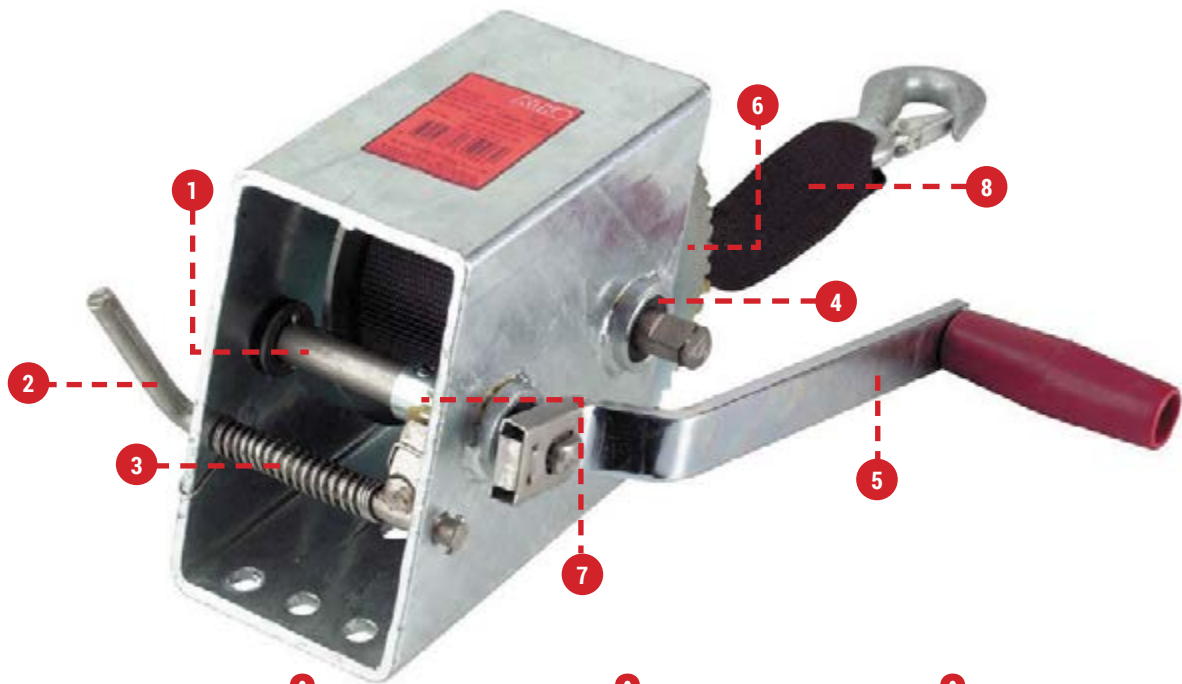
AL-KO Safety winch, No cable

Specifications

Capacity:	900 kg
Gear Ratio:	8.75:1
Manual Force	190 N
7mm Cable capacity:	20mt
Webbing capacity:	10mt
Weight without cable:	8.0 kg



Premium Winch Service & Spare Parts



8

8

8

8



632950

Winch cable, 4mm x 6m with "S" hook.

suits 1:1 and 3:1

8



632960

Winch cable, 5mm x 7.5m with snap hook.

suits 5:1.

8



632970

Winch cable, 5mm x 6m with snap hook.

suits 5:1.

8



632980

Winch cable, 6mm x 7.6m with snap hook.

suits 10:1 and 15:1



632923

Winch webbing, 50mm x 4m with "S" hook.

suits 1:1 and 3:1



632920

Winch webbing, 50mm x 6m with snap hook

suits 5:1



632922

Winch webbing, 50mm x 7.5m with snap hook.

suits 10:1 and 15:1

1



632501

Winch shaft, stainless steel
16 x 139mm

suits 1:1 3:1 5:1

1



632502

Winch shaft, stainless steel
16 x 149mm

suits 10:1

1



632504

Winch shaft, stainless steel
20 x 149mm

suits 10:1

1



632505

Winch shaft, stainless steel
20 x 187mm

suits 15:1

2



632511

Winch pawl stainless steel
suits 1:1 3:1 5:1

2



632513

Winch pawl stainless steel
suits 15:1

3



632521

Winch pawl spring stainless steel
suits 1:1 3:1

3



632523

Winch pawl spring stainless steel
suits 10:1 5:1 1:1

3



632524

Winch pawl spring stainless steel
suits 15:1

4



632532

Winch bush 20mm
suits 10:1 15:1

4



632531

Winch bush 16mm
suits 1:1 3:1 5:1

5



635905

Winch Handle, 190mm
suits All premium winches

6



632551

Winch drum & gear *
suits 1:1 3:1

7



632553

Winch drum & gear *
suits 10:1 15:1

7



632541

Pinion Gear 16mm bore
suits 1:1 3:1 5:1 10:1 15:1

7



632542

Idler gear suits *
suits 10:1

632543

Idler gear suits
suits 15:1

*NB Special order / may not be stocked

SPRINGS



AL-KO SPRINGS AND SPRING SETS

AL-KO provides a large range of leaf springs for use on trailers and caravans under all types of conditions and loads.

AL-KO staff will assist you with the appropriate selection of the spring system best suited to your needs and the load you expect to carry.

To make selection of your spring set easy and to ensure you receive exactly what you need, the selection of the combination of parts to provide you with a complete spring set is made up of three parts.

1. Select the spring type and size best suited for your application. Note the spring capacities shown are for two springs.
2. Select the “hanger kit” that suits the springs, where these are not included.
3. Select the “u-bolt kit” that matches the spring and axle configuration.

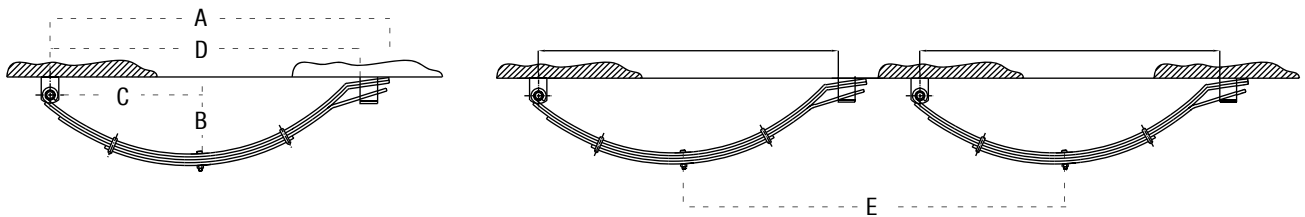
These three part numbers will ensure you are provided with the most appropriate combination to suit your needs. AL-KO staff will assist, when requested, with any selection criteria.

Note: Most AL-KO springs are given a load rating at a deflection of 50mm.

EYE & SLIPPER SPRINGS

45mm LEAF

This term describes a leaf spring style where one end of the spring has the “traditional” eye and the other end comprises the open leaf or leaves of the spring forming a “tail” which slides in a “keeper” or “hanger” which is welded to the chassis of the trailer. This style of spring is very simple and long wearing, and is available in both black paint and Dacromet Coated finish. Slipper springs can be joined on a multi axle trailer with the tail of the front spring sliding over the eye of the rear spring. Alternatively these springs can be attached to the trailer as individual sets. This style of spring arrangement is a simple and low cost solution to multi-axle trailer suspension.



Slipper Springs 45mm x 6mm, 1/2" I.D. Eye, Black

Part No.	Description	Spring Bush Dimensions	A	B	C	D	E	Capacity for two springs
584563	3 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	600 kg
584564	4 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	900 kg
584565	5 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1000 kg
584566	6 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1200 kg
584567	7 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1350 kg
584569	9 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1600 kg

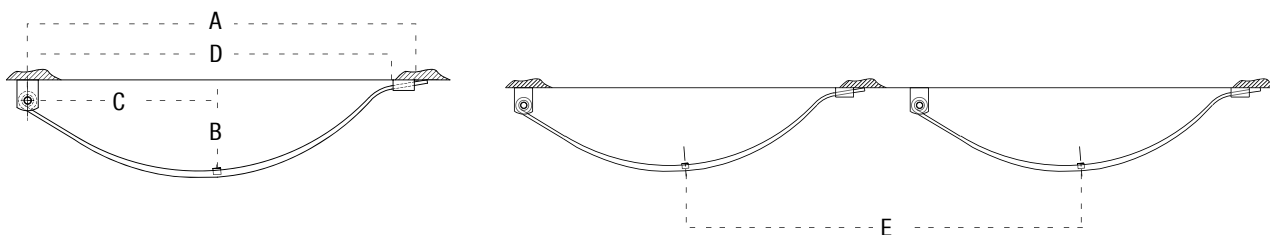
Slipper Springs 45mm x 6mm, 1/2" I.D. Eye, DACROMET™

Part No.	Description	Spring Bush Dimensions	A	B	C	D	E	Capacity for two springs
584563DT	3 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	600 kg
584564DT	4 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	900 kg
584565DT	5 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1000 kg
584566DT	6 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1200 kg
584567DT	7 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1350 kg
584569DT	9 leaf Eye slipper spring	1/2" X 7/8" X 45mm	765mm	155mm	330mm	700mm	725mm	1600 kg

EYE & SLIPPER SPRINGS

45mm Parabolic

Using automotive design technology, the parabolic spring is a slipper type which has only one leaf. This single leaf tapers at the ends and is thicker in the middle of the spring. The performance of these springs is similar to that of multi leaf slipper springs, but without multiple leaves lends itself to Dacromet™ coating for the marine trailer industry due to it's ability to resist the rusting that naturally occurs in a salt water environment.

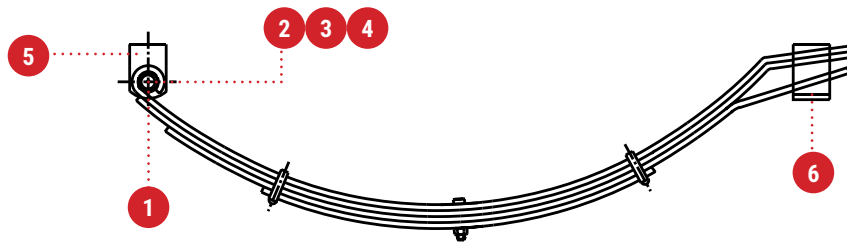


Parabolic Springs 45mm, 1/2" I.D. Eye, DACROMET™

Part No.	Description	Spring Bush Dimensions	A	B	C	D	E	Capacity for two springs
584523D	3 leaf Eye slipper spring	1/2" X 7/8" X 45mm	755mm	150mm	350mm	690mm	860mm	600 kg
584525D	4 leaf Eye slipper spring	1/2" X 7/8" X 45mm	755mm	150mm	350mm	690mm	860mm	1000 kg
584527D	5 leaf Eye slipper spring	1/2" X 7/8" X 45mm	755mm	150mm	350mm	690mm	860mm	1400 kg

EYE & SLIPPER SPRINGS SUPPORT

Eye Slipper Spring 45mm Service & Kit parts



1



590001
Spring nylon bush 1/2"
ID 1/2" OD 7/8" L 45mm

2



590113
Shackle Bolt Non-Greasable 1/2"

3



590119
Shackle Bolt Nyloc Nut 1/2" BSW

4



590442
Rear Slipper Hanger 45mm spring

5



590443
Deep Front Slipper Hanger 45mm
spring 1/2" bolt

6

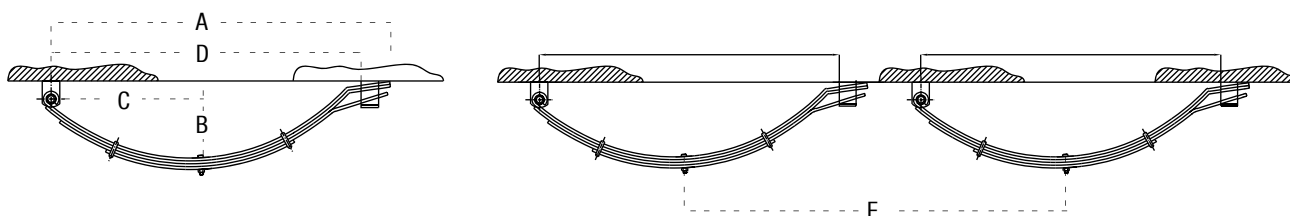


590445
Rear Slipper Hanger 45mm
spring

EYE & SLIPPER SPRINGS

60mm Leaf

This term describes a leaf spring style where one end of the spring has the “traditional” eye and the other end comprises the open leaf or leaves of the spring forming a “tail” which slides in a “keeper” or “hanger” which is welded to the chassis of the trailer. This style of spring is very simple and long wearing. Slipper springs can be joined on a multi axle trailer with the tail of the front spring sliding over the eye of the rear spring. Alternatively these springs can be attached to the trailer as individual sets. This style of spring arrangement is a simple and low cost solution to multi-axle trailer suspension.

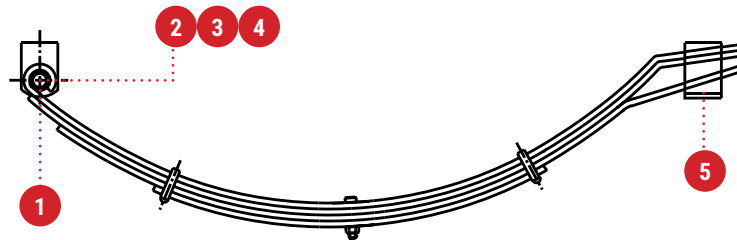


Slipper Springs 60mm x 6mm, 5/8" I.D. Eye, Black

Part No.	Description	Spring Bush Dimensions	A	B	C	D	E	Capacity for two springs
586006	6 leaf Eye slipper spring	5/8" X 7/8" X 60mm	765mm	150mm	330mm	700mm	860mm	1300 kg
586007	7 leaf Eye slipper spring	5/8" X 7/8" X 60mm	765mm	150mm	330mm	700mm	860mm	1400 kg
586009	9 leaf Eye slipper spring	5/8" X 7/8" X 60mm	765mm	150mm	330mm	700mm	860mm	1700 kg
586011	10 leaf Eye slipper spring	5/8" X 7/8" X 60mm	765mm	150mm	330mm	700mm	860mm	2000 kg

EYE & SLIPPER SPRINGS SUPPORT

Eye Slipper Spring 60mm Service & Kit parts



1



590003
Spring nylon bush
ID 5/8" **OD** 7/8" **L** 60mm

2



590125
Shackle pin non-greasable
D 5/8" **L** 4"

3



590614
Shackle pin nyloc nut 5/8" UNF

4



590451
Spring hanger front assy 60mm
slipper & plate 50x100x5mm

5



590450
Rear Slipper Hanger on strap
60mm spring
W 60mm

EYE TO EYE (SHACKLE) SPRINGS

45mm Leaf

This style of spring is the “traditional” automotive leaf spring.

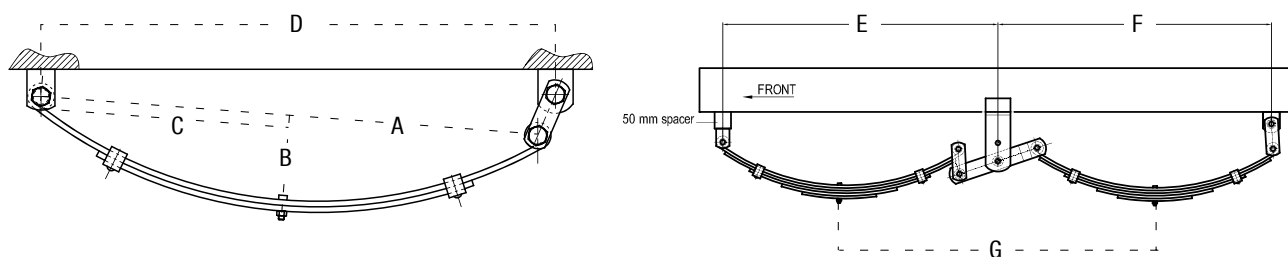
Both ends of the spring are coiled into an eye into which a bush is placed. The front of the spring is captive in a spring “hanger” and the rear of the spring is allowed to swing on shackle bolts and shackle plates around a rear “hanger” or “dumb jack” and pin.

This spring system gives smooth operation, with the parts which naturally wear over time, being able to be replaced.

Eye to eye springs are the most commonly used spring when a multi axle configuration is being considered. By linking the springs through a “rocker” assembly, a transfer of load is achieved when one axle is carrying a large percentage of the weight (crossing kerbs etc.) so that the loads are more evenly spread throughout the system.

Helpful Hint:

To order a single or tandem assembly for 45mm springs, please match your required spring to the appropriate hanger kit on page 139

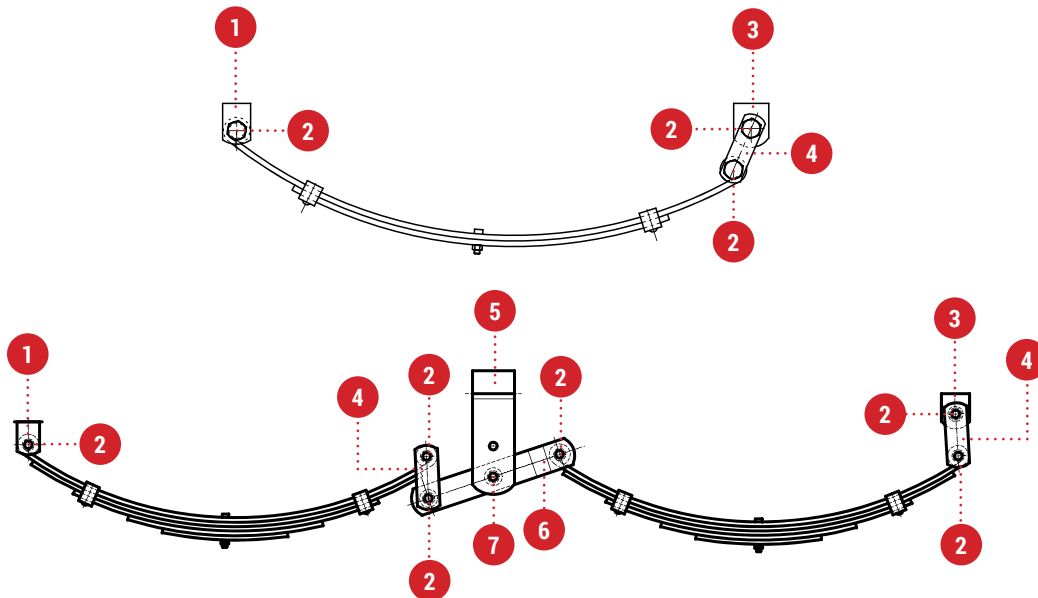


Eye To Eye 45MM X 8MM Centre Bolt Central 9/16” I.D. Eye

Part No.	Description	Finish	A	B	C	D	E	F	G	Capacity for two springs
574582	2 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	700 kg
574583	3 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	850 kg
574584	4 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	1100 kg
574585	5 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	1300 kg
574586	6 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	1500 kg
574588	8 Leaf Eye to Eye Spring	Black	711mm	120mm	355mm	735mm	830mm	825mm	960mm	1900 kg

EYE & EYE SPRINGS SUPPORT

45mm Leaf



1



590600
Front Hanger 45mm spring 9/16"
bolt
W 45mm **D** 9/16"

2



590608
Shackle pin 9/16" x 3 1/2" solid
with 9/16" nyloc nut
D 9/16" **L** 3 1/2"

3



590604
Rear Hanger DumbJack 45mm
spring
W 45mm **D** 5/8"

4



590606
9/16" Shackle plate, 75mm centres
L 75mm
D 9/16"

5



590601
Centre hanger suit 45mm tandem
shackle springs - 9/16"
Suits: 590616

6



590616
Rocker assembly suit 45mm
shackle spring suit 5/8" pin

7



590611
Shackle pin non-greasable
D 5/8" **L** 3 1/2"

8



590614
Shackle pin nyloc nut 5/8"
UNF

2



590615
Shackle pin nyloc nut 9/16" UNF

6

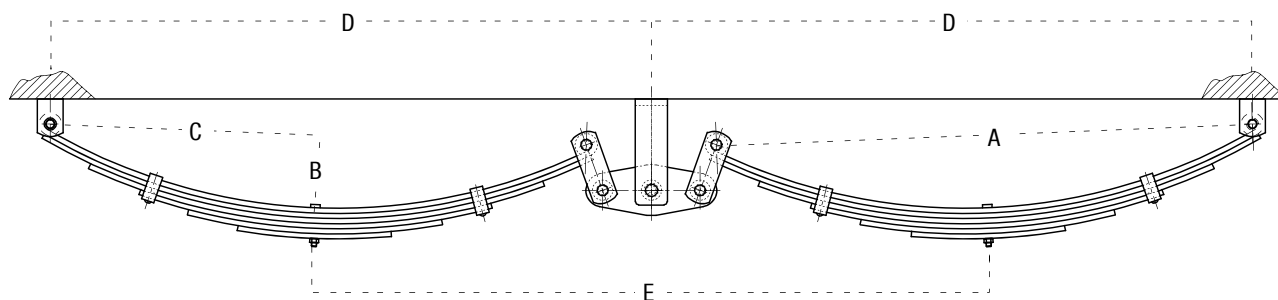


590002
Spring nylon bush
ID 9/16" **OD** 7/8" **L** 45mm

6



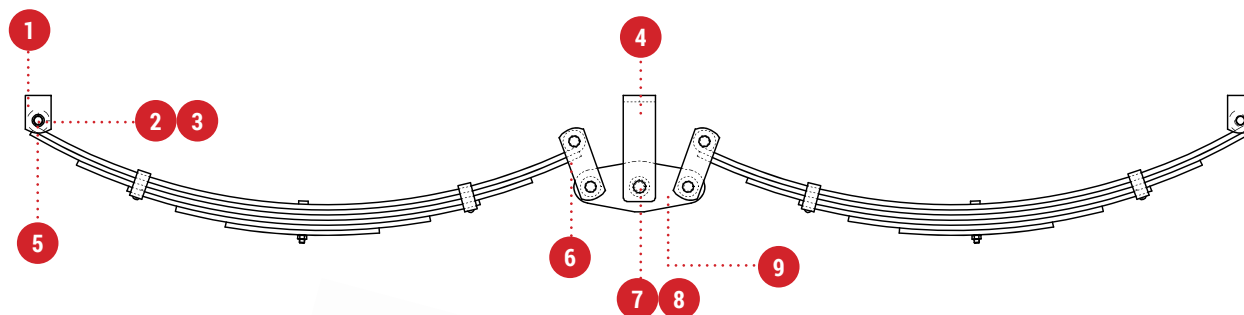
590004
Spring nylon bush
ID 9/16" **OD** 3/4" **L** 45mm



60MM X 6MM TANDEM ROCKER (16mm Eye)

Part No. For 1 Side	Description	Finish	A	B	C	D	E	Capacity for two springs
546205	5 Leaf Tandem Assembly (1 Side)	Black	700mm	120mm	386mm	825mm	893mm	1000 kg
546206	6 Leaf Tandem Assembly (1 Side)	Black	700mm	120mm	386mm	825mm	893mm	1500 kg
546207	7 Leaf Tandem Assembly (1 Side)	Black	700mm	120mm	386mm	825mm	893mm	1700 kg

60mm Eye to Eye Spring Service & Kit parts



1



590701
Front/Rear Hanger

2



590707
Shackle Pin 16mm

3



590708
Nyloc Nut 16mm

4



590703
Center Hanger

5



590003
Spring nylon bush 16mm

6



590713
Shackle Plate 16mm, 64mm
centres

7



590711
Centre Rocker Pin Greasable
18mm

8

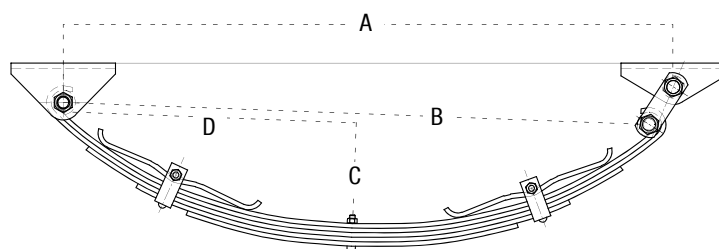


590712
Nyloc Nut 18mm

9



590705
Rocker Arm

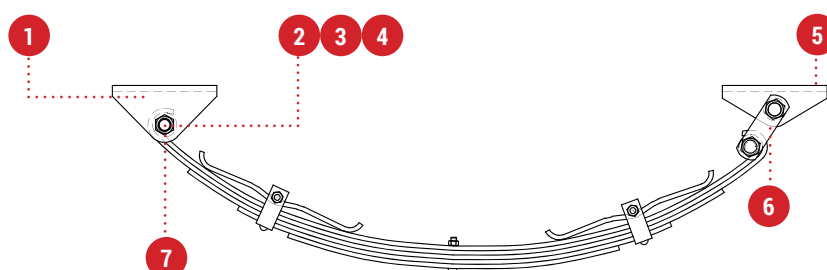


OUTBACK SINGLE AXLE TRAILER KITS INC. U-BOLTS

Part No. For 1 Kit	Description Of Spring In Kit	Finish	Single Axle Set up dimension "A" (No load)	Axle Size (For U-Bolts)
536075	5 Leaf Eye to Eye Spring	Black	865mm / 875mm	45mm Square
536076	6 Leaf Eye to Eye Spring	Black	865mm / 875mm	45mm Square
536077	7 Leaf Eye to Eye Spring	Black	865mm / 875mm	50mm Square
536078	8 Leaf Eye to Eye Spring	Black	865mm / 875mm	50mm Square
536079	9 Leaf Eye to Eye Spring	Black	865mm / 875mm	50mm Square
536080	10 Leaf Eye to Eye Spring	Black	865mm / 875mm	50mm Square

60MM X 7MM OUTBACK (16mm Eye)

Part No. For 1 Side	Description	Finish	B	C	D	Capacity for two springs
576075	5 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	1150 kg
576076	6 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	1350 kg
576077	7 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	1550 kg
576078	8 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	1750 kg
576079	9 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	2000kg
576080	10 Leaf Eye to Eye Spring	Black	841mm	158mm	420mm	2500kg



1



590630
Front Hanger 60mm Outback

2



590707
Shackle Pin 16mm.

3



590632
Shackle Pin Greasable 16mm

4



590708
Shackle Pin nyloc nut 16mm

5



590631
Rear Hanger 60mm Outback

6



590713
Shackle Plate 16mm, 64mm centres

7



590633
Spring & Dumb jack steel bush 16mm

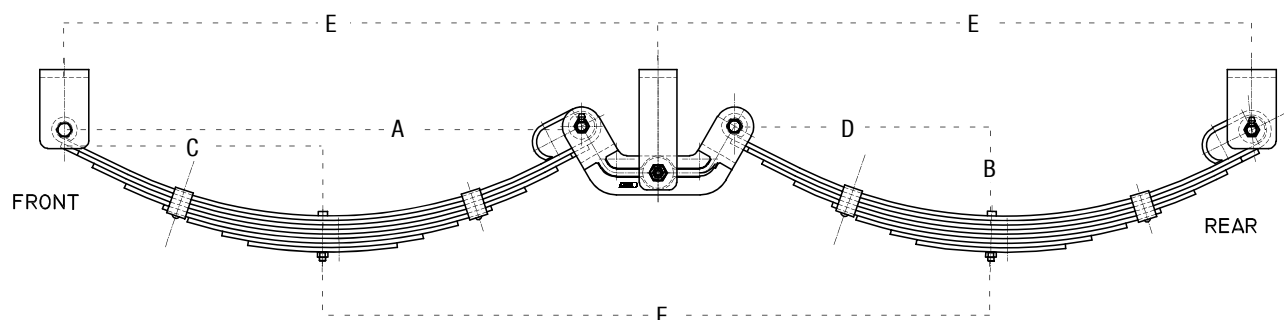
7



590003
Spring nylon bush 16mm

ROCKER ROLLER SPRINGS

For installation instructions for Rocker Roller spring sets, please refer to the technical bulletin section at www.alko.com.au

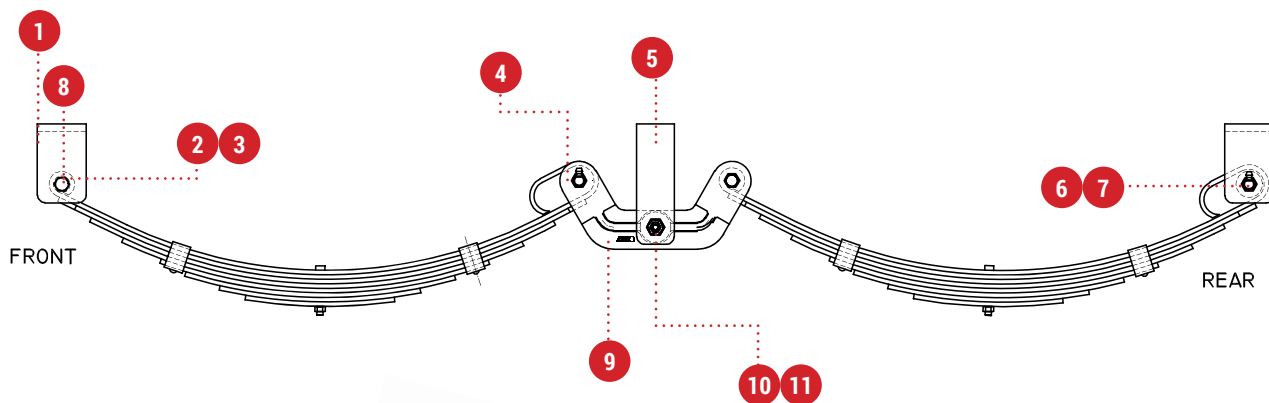


Rocker Roller Assemblies 60mm x 6mm 16mm Eye, Black

Part No.	Description	Finish	A	B	C	D	E	F	Capacity for two springs
576450	LH 60mm x 5 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	950 kg to 1100 kg
576451	RH 60mm x 5 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	950 kg to 1100 kg
576460	LH 60mm x 6 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	1105 kg to 1250 kg
576461	RH 60mm x 6 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	1105 kg to 1250 kg
576470	LH 60mm x 7 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	1300 kg to 1500 kg
576471	RH 60mm x 7 leaf suit 14" wheels	Black	687mm	117mm	396mm	291mm	787mm	785mm	1300 kg to 1500 kg
576650	LH 60mm x 5 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1300 kg to 1450 kg
576651	RH 60mm x 5 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1300 kg to 1450 kg
576660	LH 60mm x 6 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1450 kg to 1600 kg
576661	RH 60mm x 6 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1450 kg to 1600 kg
576670	LH 60mm x 7 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1625 kg to 2100 kg
576671	RH 60mm x 7 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1625 kg to 2100 kg
576680	LH 60mm x 8 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1900 kg to 2245 kg
576681	RH 60mm x 8 leaf suit 16" wheels	Black	687mm	117mm	343mm	343mm	787mm	888mm	1900 kg to 2245 kg

Rocker Roller Assemblies 60mm x 6mm 16mm Eye, DACROMET™

Part No.	Description	Finish	A	B	C	D	E	F	Capacity for two springs
576460D	LH 60mm x 6 leaf suit 14" wheels	DACROMET	687mm	117mm	396mm	291mm	787mm	785mm	1105 kg to 1250 kg
576461D	RH 60mm x 6 leaf suit 14" wheels	DACROMET	687mm	117mm	396mm	291mm	787mm	785mm	1105 kg to 1250 kg
576470D	LH 60mm x 7 leaf suit 14" wheels	DACROMET	687mm	117mm	396mm	291mm	787mm	785mm	1300 kg to 1500 kg
576471D	RH 60mm x 7 leaf suit 14" wheels	DACROMET	687mm	117mm	396mm	291mm	787mm	785mm	1300 kg to 1500 kg
576670D	LH 60mm x 7 leaf suit 16" wheels	DACROMET	687mm	117mm	343mm	343mm	787mm	888mm	1625 kg to 2100 kg
576671D	RH 60mm x 7 leaf suit 16" wheels	DACROMET	687mm	117mm	343mm	343mm	787mm	888mm	1625 kg to 2100 kg
576680D	LH 60mm x 8 leaf suit 16" wheels	DACROMET	687mm	117mm	343mm	343mm	787mm	888mm	1900 kg to 2245 kg
576681D	RH 60mm x 8 leaf suit 16" wheels	DACROMET	687mm	117mm	343mm	343mm	787mm	888mm	1900 kg to 2245 kg

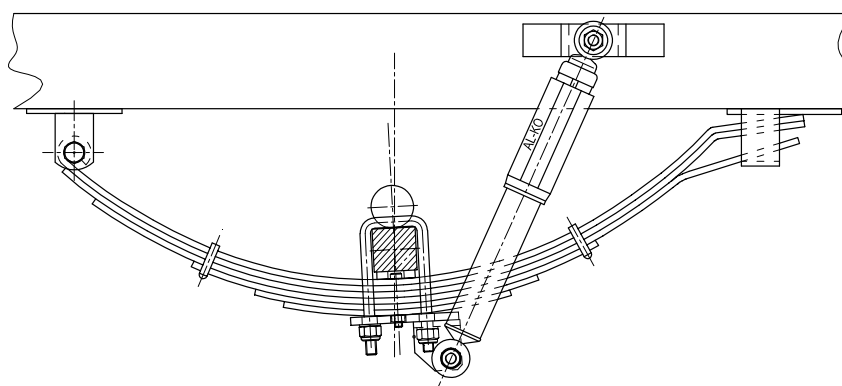


TRAILER SHOCK ABSORBER KIT

When a traditional sprung axle requires an improved smoother ride, shock absorbers are an economical and simple enhancement.

Rough roads and corrugations can cause vibration that can cause premature failure of trailer components, shock absorbers are a possible solution to improve the spring rate in relation to bumps in the road and reduce the amount of vibration.

Please note adding shock absorbers do not increase the carrying capacity of the suspension.



658001
Top bracket (single)



658006
Bottom bracket (Single) left hand (suit 60mm springs)



658007
Bottom bracket (single) right hand (suit 60mm springs)



658003
Shock absorber, single for beam axles (Black) **Note:** Number stamped on shock absorber is 283722 refer to part number 658003.



658005
Shock absorber kit. Suits single beam axle set (Suit 60mm springs)

HANGER KITS

In selecting a set of springs you will need to identify a spring hanger kit.

This kit comprises the spring hangers, pins, rockers etc for attaching the spring set to the chassis of the trailer or caravan. It does not include the axle fitting components. (See U Bolt Kits)

The hanger kits for single axles contain the parts for one axle fitment. The hanger kits for tandem axles contain the parts for fitting two axles.

To select the appropriate hanger kit:

- Identify the type of spring, i.e. slipper, parabolic, shackle etc.
- Identify the axle kit type, i.e. single or tandem
- Identify the shackle pin size, (see the spring chart) i.e. 1/2", 9/16" etc.
- For shackle springs check the eye to eye length as there are two kit options. i.e. 700/711mm and 835mm (different centre hangers and rockers are used.)

Select the part number you need for your combination.

- Identify the type of spring, i.e. slipper, parabolic, shackle etc.

SLIPPER SPRING HANGER KITS



595005

45mm Single axle kit for 45mm wide slipper springs with 1/2" shackle bolts

Kit includes

2 x 590442	45mm Front hanger
2 x 590445	45mm Rear hanger
2 x 590113	1/2" Bolt
2 x 590119	1/2" Nut



595010

Single axle kit for 45mm wide slipper springs with 9/16" shackle bolts

Kit includes

2 x 590600	45mm Front hanger
2 x 590445	45mm Rear hanger
2 x 590608	9/16" Bolt & nut



595015

Single axle kit for 45mm wide slipper springs with 5/8" shackle bolts

Kit includes

2 x 590451	60mm Front hanger
2 x 590450	60mm Rear hanger
2 x 590125	5/8" Bolt
2 x 590614	5/8" Nut



595020

Tandem axle kit for 45mm wide slipper springs with 1/2" shackle bolts

Kit includes

4 x 590443	45mm Deep front hanger
2 x 590445	45mm Rear hanger
4 x 590113	1/2" Bolt
4 x 590119	1/2" Nut



595025

Tandem axle kit for 45mm wide slipper springs with 9/16" shackle bolts

Kit includes

4 x 590600	45mm Front hanger
4 x 590445	45mm Rear hanger
4 x 590608	Shackle pin 9/16 & nut

EYE TO EYE SPRING HANGER KITS



595050

Single axle kit for 45mm shackle springs with 9/16" shackle bolts

Kit includes

2 x 590600	Spring hanger
6 x 590608	Shackle pin 9/16" with nuts
2 x 590604	9/16" Spring dumb jack
4 x 590606	9/16" Shackle plate
2 x 590002	9/16" Spring bush



595060

Tandem axle kit for 45mm shackle springs with 9/16" shackle bolts & 700mm/711mm spring lengths

Kit includes

2 x 590600	Spring hanger
12x590608	Shackle pin 9/16" & nut
2 x 590611	Shackle pin 5/8"
2 x 590614	Nut 5/8"
2 x 590604	Spring dumb jack
8 x 590606	Shackle plate
4 x 590002	Spring bush 9/16"
2 x 590601	Centre rocker hanger
2 x 590616	Rocker arm
2 x 590005	Spring bush 5/8"

OUTBACK SPRING HANGER KIT



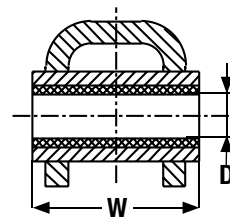
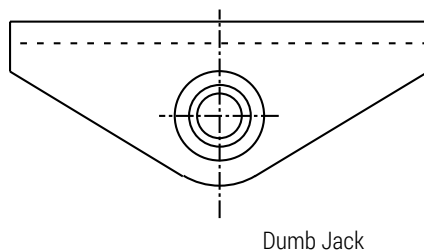
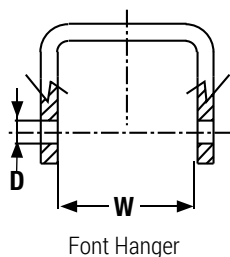
595055

Single axle kit for long Outback spring with 16mm shackle bolts

Kit includes

2 x 590630	Spring hanger front
6 x 590632	Shackle pin greasable
6 x 590708	Nyloc nut 16mm
2 x 590631	Spring dumb jack
4 x 590713	Shackle plate

SPRING HANGERS & SHACKLE PLATES



590444
Rear parabolic hanger 45mm
spring
W 45mm



590443
Deep front slipper hanger 45mm
spring 1/2" bolt
W 45mm **D** 1/2"



590442
Shallow front slipper hanger
45mm spring 1/2" bolt
W 45mm **D** 1/2"



590445
Rear slipper hanger 45mm
spring
W 45mm



590450
Rear Slipper Hanger on strap
60mm spring
W 60mm



590451
Front Slipper Hanger on strap
60mm spring 5/8" bolt
W 60mm **D** 5/8"



590600
Front Hanger 45mm spring 9/16"
bolt
W 45mm **D** 9/16"



590630
Front Hanger 60mm "outback"
bolt
W 60mm **D** M16



590631
Rear Hanger DumbJack
"outback" 60mm spring
W 60mm **D** M16



590604
Rear Hanger DumbJack 45mm
spring
W 45mm **D** 5/8"

Eye to Eye Shackle Plates Single & Tandem



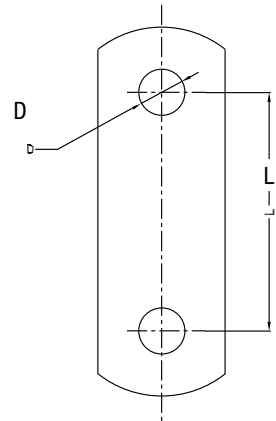
590607
9/16" Shackle plate, 50mm
centres
L 50mm
D 9/16"



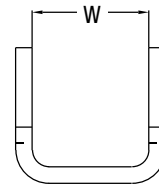
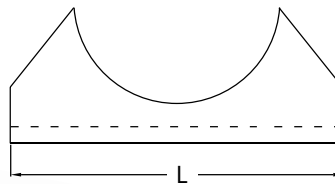
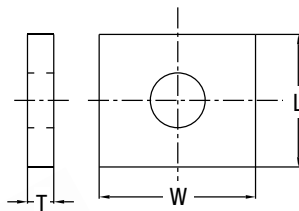
590606
9/16" Shackle plate, 75mm
centres
L 75mm
D 9/16"



590713
16mm Shackle plate, 64mm
centres
L 64mm
D 16mm



Spring Pad / Axle Pad



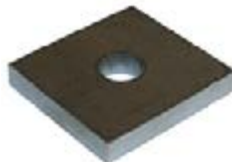
590510
Spring pad to suit round and square, Black
L 47mm **W** 40mm **T** 8mm



590516
Spring pad to suit round and square, Black
L 47mm **W** 40mm **T** 10mm



590510G
Spring pad to suit round and square,
Galvanised
L 47mm **W** 40mm **T** 8mm



590513
Spring pad to suit 65mm round axle, Black
L 60mm **W** 65mm **T** 10mm



590515
Spring pad for 60mm tube axle, Zinc
L 100mm **W** 35mm

Tandem Hangers



590601

Centre hanger suit 45mm tandem shackle springs - 9/16"

Suits: 590616



590703

Centre Hanger suit 60mm tandem rocker springs - 18mm pin

Suits: 590705



576305

Centre Hanger suit 60mm tandem rocker roller springs - 18mm pin

Suits: 576303



576302

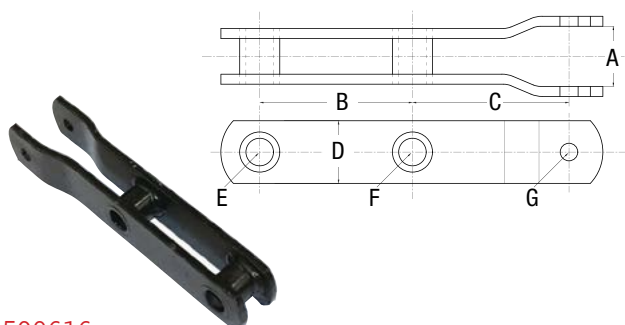
Front or Rear Hanger Rocker Roller Springs - 16mm Pin



590701

Front or Rear Hanger Tandem Rocker Springs - 16mm Pin

Tandem Rocker Arms



590616

Rocker assembly suit 45mm shackle spring suit 5/8" pin

A: 48mm

B: 122mm

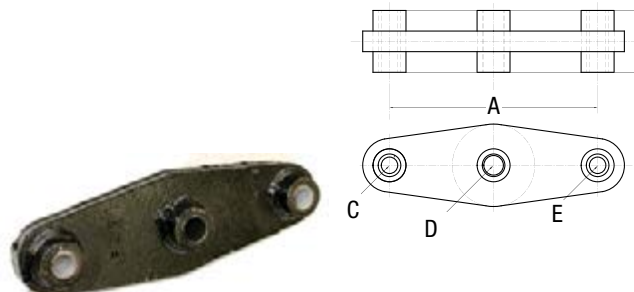
C: 125mm

D: 50mm

E: Suits 9/16" bolt

F: Suits 5/8" bolt

G: Suits 9/16" bolt



590705

Rocker assembly suit 60mm shackle spring.

A: 202mm

B: 60mm

C: Suits 16mm bolt

D: Suits 18mm bolt

E: Suits 16mm bolt



576303

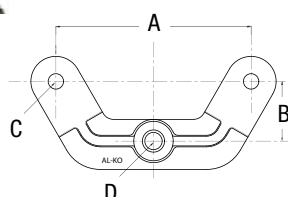
Rocker assembly suit 60mm Rocker Roller springs. Painted

A: 203mm

B: 62mm

C: 16mm

D: 18mm diameter



576303D

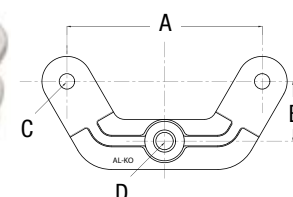
Rocker assembly suit Rocker Roller springs. Dacromet

A: 203mm

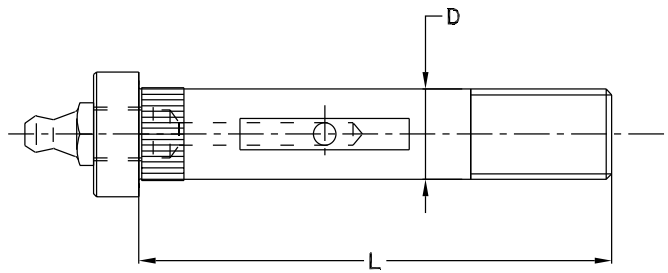
B: 62mm

C: 16mm

D: 18mm diameter



Eye to Eye Spring Shackle Pins & Nuts



590113
Shackle bolt non-greasable
D 1/2" **L** 3 1/2"



590608
Shackle pin 9/16" x 3 1/2" solid
with 9/16" nyloc nut
D 9/16" **L** 3 1/2"



590609
Shackle pin greasable
No grease nipple
D 9/16" **L** 3 1/2"



590610
Shackle pin greasable
No grease nipple
D 5/8" **L** 3 1/4"



590611
Shackle pin non-greasable
D 5/8" **L** 3 1/2"



590125
Shackle bolt non-greasable
D 5/8" **L** 4"



590632
Shackle pin "Outback" M16 x
100mm with grease nipple
D 16mm **L** 100mm



590707
Shackle pin M16 x 100mm
non-greasable suit tandem
60mm rocker springs
D 16mm **L** 100mm



590711
Centre rocker pin M18 x 100mm
greasable suit tandem 60mm
rocker springs
D 18mm **L** 100mm



590119
Shackle bolt nyloc nut 1/2" BSW



590615
Shackle pin nyloc nut 9/16" UNF



590614
Shackle pin nyloc nut 5/8" UNF



590708
Shackle pin nyloc nut M16



590712
Centre rocker pin nyloc nut M18

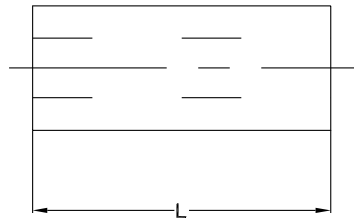


590620
Grease nipple 1/8" BSP



576307
Grease nipple suit roller end on Rocker
Roller spring

SPRING BUSHES



590001
Spring nylon bush
ID 1/2" OD 7/8" L 45mm



590002
Spring nylon bush
ID 9/16" OD 7/8" L 45mm



590003
Spring nylon bush
ID 5/8" OD 7/8" L 60mm



590004
Spring nylon bush
ID 9/16" OD 3/4" L 45mm



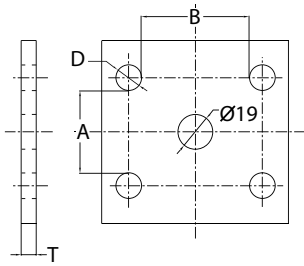
590005
Spring nylon bush
ID 5/8" OD 7/8" L 45mm



576301
Rocker Roller Spring steel bush
60mm wide, suits 16mm Pin

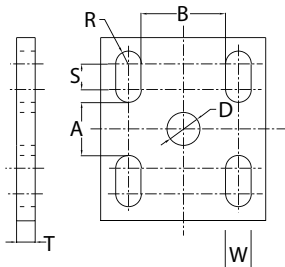


576301ZN
Steel roller bush Zinc plated.
60mm wide, suits 16mm Pin



Fish Plates (Punched Hole)

Part No.	Description	Surface Finish	A	B	T	D
590401	Fish plate	Black	45mm	45mm	8mm	14mm
590410	Fish plate	Black	40mm	60mm	8mm	14mm
590413	Fish plate	Black	40mm	45mm	8mm	14mm
590414	Fish plate	Zinc Plated	45mm	60mm	10mm	14mm
590417	Fish plate	Black	50mm	60mm	8mm	14mm
590418D	Fish plate	DACROMET™	51mm	51mm	10mm	14mm
590465	Fish plate	Black	60mm	65mm	10mm	17mm



Fish Plates (Slotted)

Part No.	Description	Surface Finish	A	B	T	S	R	D	W
590415	Fish plate slotted	Black	39mm	45mm	10mm	14mm	7mm	19mm	14mm
590415G	Fish plate slotted	Galvanised	39mm	45mm	10mm	14mm	7mm	19mm	14mm
590420	Fish plate slotted	Black	60mm	45mm	10mm	2.5mm	8.5mm	19mm	17mm
590420G	Fish plate slotted	Galvanised	60mm	45mm	10mm	2.5mm	8.5mm	19mm	17mm
590456	Fish plate slotted	Black	60mm	55mm	10mm	2.5mm	8.5mm	19mm	17mm

U-BOLTS & KITS

To complete the total spring kit selection, you need to identify the U bolt kit that is appropriate.

U bolt kits contain the U bolts, nuts & washers, axle pads and fish plates.

Each U BOLT KIT contains components for ONE axle only. When ordering for a multi-axle application, order the number of kits to correspond with the number of axles.

To select your U bolt kit:

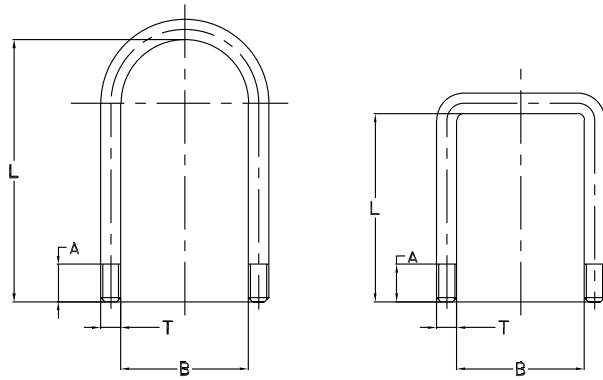
1. Identify what width of spring you are using: 45mm or 60mm
2. Identify the number of spring leaves, i.e. 2,3,7,etc.
3. Identify the section of the axle, i.e. 39mm round, 50mm square etc.

Simply read across the tables to find the appropriate part number for the U bolt kit you require.

U-BOLT KIT QUICK SELECT

SPRING LEAF(S)	AXLE SIZE 39mm RND	AXLE SIZE 40mm SQ	AXLE SIZE 45mm RND	AXLE SIZE 45mm SQ	AXLE SIZE 60mm RND	AXLE SIZE 50mm SQ	AXLE SIZE 50mm RND	AXLE SIZE 56mm RND	AXLE SIZE 63mm SQ	AXLE SIZE 65mm RND
45mm 1 LEAF	597000									
45mm 2 LEAF	597000									
45mm 3 LEAF	597000	597005	597010							
45mm 4 LEAF		597005	597010							
45mm 5 LEAF		597005	597015	597020	597030					
45mm 6 LEAF			597015	597020	597030	597035		597027		
45mm 7 LEAF				597025	597030	597040				
45mm 8 LEAF				597025	597030	597040				
45mm 9 LEAF						597040				
60mm 4 LEAF X 6mm		597065	597070	597080						
60mm 5 LEAF X 6mm			597075	597095						
60mm 6 LEAF X 6mm				597095		597105		597135		
60mm 7 LEAF X 6mm				597095		597105		597135		
60mm 8 LEAF X 6mm						597105				
"Outback" 5 leaf			597116	597115		597126		597137		
"Outback" 6 leaf						597126		597137		
"Outback" 7 leaf						597120				
"Outback" 8 leaf						597120				
"Outback" 9 leaf						597127			597106	
"Outback" 10 leaf						597127			597106	
Rocker Roller 5 Leaf						597124				
Rocker Roller 6 Leaf						597124				
Rocker Roller 7 Leaf					597140	597125			597130	597165
Rocker Roller 8 Leaf					597140	597125				597165

U-BOLTS



Part No.	Axle Section "B"	U Bolt Length "L"	Nominal Thread Length "A"	Thread Type "T"	Finish
591145	39mm Round	115mm / 4 1/2"	50mm	1/2" BSW	Black
591150	39mm Round	127mm / 5"	50mm	1/2" BSW	Black
591345	45mm Round	115mm / 4 1/2"	50mm	1/2" BSW	Black
591350	45mm Round	127mm / 5"	50mm	1/2" BSW	Black
591355	45mm Round	140mm / 5 1/2"	50mm	1/2" BSW	Black
591555	50mm Round	140mm / 5 1/2"	50mm	1/2" BSW	Black
592515	50mm Round	145mm / 5"	50mm	5/8" BSW	Black
591245	40mm Square	115mm / 4 1/2"	50mm	1/2" BSW	Black
591250	40mm Square	127mm / 5"	50mm	1/2" BSW	Black
591255	40mm Square	140mm / 5 1/2"	50mm	1/2" BSW	Black
591450	45mm Square	127mm / 5"	50mm	1/2" BSW	Black
591455	45mm Square	140mm / 5 1/2"	50mm	1/2" BSW	Black
591455G	45mm Square	145mm / 5 3/4"	50mm	1/2" BSW	Galv
591465	45mm Square	165mm / 6 1/2"	50mm	1/2" BSW	Black
592455	45mm Square	160mm / 6 1/4"	50mm	5/8" BSW	Black
592455G	45mm Square	160mm / 6 1/4"	50mm	5/8" BSW	Galv
591655	50mm Square	140mm / 5 1/2"	50mm	1/2" BSW	Black
592505	50mm Square	150mm / 6"	50mm	5/8" BSW	Black
591660	50mm Square	153mm / 6"	50mm	1/2" BSW	Black
591660G	50mm Square	153mm / 6"	50mm	1/2" BSW	Galv
591665	50mm Square	165mm / 6 1/2"	50mm	1/2" BSW	Black
591665G	50mm Square	165mm / 6 1/2"	50mm	1/2" BSW	Galv
592506	50mm Square	165mm / 6 1/2"	50mm	5/8" BSW	Black
592506G	50mm Square	165mm / 6 1/2"	50mm	5/8" BSW	Galv
592566	56mm Round	165mm / 6 1/2"	50mm	5/8" BSW	Black
592666	60mm Round	165mm / 6 1/2"	50mm	5/8" BSW	Black
590108	60.3mm Round Tube	153mm / 6"	50mm	1/2" BSW	Black
592630	63mm Square	180mm / 7"	63mm	5/8" BSW	Black

U-BOLT NUT & WASHERS SPARES

590119

Nut 1/2" BSW Nyloc

590123

1/2" Flat washer

190053

M12 GALV FLAT WASHER

590120

Nut 5/8" BSW Nyloc

590117

Washer 5/8" spring x 1/8 sq

190057

5/8" Flat washer

590122

NUT HEX 5/8 BSW GALVANISED

590124

Washer M16 Galvanised

RIMS & TYRES



Rims

Part No.	Description	PCD	Offset	Capacity per wheel	Contour
641513	Trailer Rim 13" x 4.5" Painted	Ford	Zero	750kg	J
641513G	Trailer Rim 13" x 4.5" Galvanised	Ford	Zero	750kg	J
641614	Trailer Rim 14" x 6" Painted	Ford	+15mm Offset	850kg	JJ
641614G	Trailer Rim 14" x 6" Galvanised	Ford	+15mm Offset	850kg	JJ
641715	Trailer Rim 15" x 7" Painted	6 stud LCR	-7mm	850kg	J
641816	Trailer Rim 16" x 6" Painted	6 stud LCR	+8mm	1450kg	K

Tyres

Part No.	Description	Capacity per wheel
644165	Trailer tyre 165/R13LT	670kg
644185	Trailer tyre 185/R14LT	850kg
644225	Trailer tyre 225/70R15C	1120kg
644195	Trailer tyre 195/75R16C	1060kg
644205	Trailer tyre 205/75R16C	1060kg

Rim & Tyre

Part No.	Description	Rim	Tyre
645013	Wheel & tyre assembly 13" X 4.5" Galvanised Ford with 165/R13C tyre.	641513G	644165
645014	Wheel & tyre assembly 14" X 6" Galvanised Ford with 185/R14LT tyre	641614G	644185
645113	Wheel & tyre assembly 13" X 4.5" Painted Ford with 165/R13C tyre.	641513	644165
645114	Wheel & tyre assembly 14" X 6" Painted Ford with 185/R14LT tyre.	641614	644185
645115	Wheel & tyre assembly 15" X 7" White LCR with 225/70R15C tyre.	641715	644225
645116	Wheel & tyre assembly 16" X 6" Painted LCR with 195/R16C tyre.	641816	644195
645116205	Wheel & tyre assembly 16" X 6" Painted LCR with 205/75R16C tyre.	641816	644205

REMIS PRODUCTS

Room Dividers

Privacy & Sun Protection

Large windscreens and side windows offer beautiful views from your motorhome, but they also let prying eyes inside. And when the sun is shining through those large windows, the interior quickly heats up.

The easy-to-install solution: REMIfront, consisting of a front roller blind and side panels, blocks out the drivers cab almost completely. And as an additional bonus, it considerably reduces heating and cooling.

It offers an almost complete blackout and shields you from view, significantly expanding the usable living space in your motorhome and preserving your privacy.



675035
REMIS Front 3, Left side window Mercedes Sprinter. REMIS# 10021023



675038
REMIS Front 3, Front window Mercedes Sprinter 2007 on. REMIS# 10023924



675036
REMIS Front 3, Right side window Mercedes Sprinter. REMIS# 10021024

675038RD
REMIS Front 3, With rain sensor Mercedes Sprinter 2007 on. REMIS# 10059902



675045
REMIS Front 3, Left side window Fiat Ducato
REMIS# 10043742



675046
REMIS Front 3, Front window Fiat Ducato
REMIS# 10043741



675044
REMIS Front 3, Right side window Fiat Ducato. REMIS# 10043743

SKYLIGHTS

Vario 2 Main Features

- Tinted hood lid
- High opening angle (up to 60°)
- For a range of roof thicknesses
- Three locking positions:
 1. Completely closed
 2. Ventilation position
 3. 85mm opening
- Insect protection available with normal or midge gauze



675028

VARIO 2 SIZE 500 x 700mm
Suits: 46mm - 55mm thick roof
REMIS# 10036393

675029

VARIO 2 SIZE 500 x 700mm
Suits: 25mm - 35mm thick roof
REMIS# 10038061



675011

REMISTOP VISTA Sky light 400 x 400mm
Suits thickness 28mm - 33mm
REMIS# 10061927

ROOM DIVIDERS

Flexible and individual usage, High-quality pleated material & Comfortable living style

It is the small crucial elements that ensure that we feel completely comfortable in our home on wheels.

With REMIform room divider, caravans and motorhomes become even more homely. The natural partitioning of the open space creates a cosy, intimate atmosphere. The most noticeable properties: a compact design, low weight and particularly quiet to operate.



Straight Track

675101

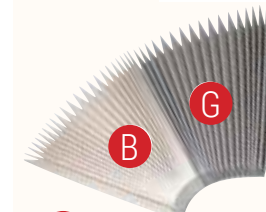
REMIS Room divider beige
800 x 1900mm
REMIS# 10053812 (10002770)



Curved Track

675102

Remis room divider beige
1500 x 1900mm
REMIS# 10002842



B Beige pleat material sample

G Grey pleat material sample



Convenient Clasp

675131

Remis room divider grey
800 x 1900mm
REMIS# 10002856

675132

Remis room divider grey
1500 x 1900mm
REMIS# 10002899

SECURITY ACCESSORIES

AL-KO ATS

The AL-KO Anti-Theft System (ATS) provides the most effective way of protecting your investment from theft. The AL-KO ATS utilises state of the art GPS tracking to provide high level protection with real time tracking.

AL-KO ATS is small to hide and simple to use. Charge up or hard wire the GPS tracker, press one button and you're away. AL-KO ATS comes bundled with a minimum of 12 months global connectivity.

AL-KO ATS includes the tiny Black Knight Z3 GPS tracking device + accessories, the free Black Knight real time tracking app (for realtime multi-platform tracking on the go).

The AL-KO ATS System Includes:

Black Knight Z3 HIGH-PERFORMANCE TRACKING DEVICE

INTELLIGENT ALERTS

HIGH ACCURACY

TRACK ON THE GO

ADVANCED SIMPLICITY

INSTANT CONNECTIVITY



698000Z3

AL-KO ATS anti theft system kit includes component and 12 month connectivity Z3 model

Learn more at www.alkoats.com.au



650300

AL-KO Easy Clamp. Anti-Theft wheel clamp adjustable to suit 13 to 15" Wheels. Key operated Lock



616950

Secure "Universal" coupling lock. Suits most Australian 50mm ball couplings.



616900

Coupling lock & key AK7-AK10/2



991310891

European caravan spare part AKS3004 security device.



991310892

European caravan spare part AKS3004 safety anti theft unit, safety plus

An aerial photograph of a desert landscape. A dirt road winds through the terrain, which is covered in sparse, low-lying vegetation and patches of bare earth. Two vehicles, a white van and a smaller white car, are driving on the road. The overall color palette is dominated by warm, earthy tones like orange, brown, and tan.

Wherever the road takes you AL-KO leads the way

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