



TRAILER PRODUCTS

PRODUCT CATALOGUE

ACKNOWLEDGEMENTS

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Acknowledgements

The time and effort contributed by The Meher Group staff for this catalogue is appreciated, in particular, we acknowledge the contribution of the team at Meher.

Occupational Health and Safety

Under WorkSafe regulations, employers have the obligation to identify hazards, assess risks and implement control measures relevant to their work environments and activities.

The Meher Group accepts no responsibility for other organisations' inappropriate use of this catalogue. The manufacturer needs to make sure all the hardware is fit for its intended purpose.

Disclaimer

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Procedures and methods described in this catalogue are provided as examples only. If you have any doubt, please contact our technical advisor or a professional.

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JOCKEY WHEELS AND STANDS

Jockey Wheels



6-inch Premium – 400kg Static Load

DWBRKTG
6-inch dolly wheel
– galvanised



JWW50150CG
6-inch jockey wheel with
clamp – galvanised



JWS50150BG
6-inch jockey wheel with bolt
on bracket – galvanised



JWS50150G
6-inch jockey wheel with
U-bolt bracket – galvanised



8-inch Premium – 500kg Static Load

JWW50200CG
8-inch jockey wheel with
clamp – galvanised



JWS50200BG
8-inch jockey wheel with bolt
on bracket – galvanised



JWS50200G
8-inch jockey wheel U-bolt
bracket – galvanised



10-inch Premium – 500kg Static Load

JWW50250CG
10-inch jockey wheel with
clamp – galvanised



JWS50250BG
10-inch jockey wheel with
bolt on bracket – galvanised



JWS50250G
10-inch jockey wheel with
U-bolt bracket – galvanised

Stand and Accessories



CVACSJ540G
Swing-up leg suits caravans



CVACJH
Handle to suit swing-up leg



JACKU
Universal wheel jack

JOCKEY WHEELS AND STANDS

Jockey Wheel Spare Parts



JW6SPW
6-inch jockey spare wheel



JW8SW
8-inch jockey spare wheel



JW10SW
10-inch jockey spare wheel



JWHANDLE
Handle, universal grub screw and pin



JWSTBK
Thrust washer suit jockey wheels



JWSSBB
Swing-up bracket bolt on style weldable



JWSSB
Swing-up bracket U-bolt style weldable



JWCLAMP
Clamp for jockey wheel



UB125080SGW
U-bolt for jockey wheel suits 50 x 50mm drawbars



UB127580SGW
U-bolt for jockey wheel suits 75 x 50mm drawbars



UB1275105SGW
U-bolt for jockey wheel suits 75 x 75mm drawbars



UB1210080SGW
U-bolt for jockey wheel suits 100 x 50mm drawbars



UB12100130SGW
U-bolt for jockey wheel suits 100 x 100mm drawbars

COUPLINGS AND COUPLING ACCESSORIES

Couplings



CFA20004G
Coupling 2 and 3 hole 750kg
– galvanised, without brakes



CO2000G
Override coupling 2000kg
– galvanised



CO2000KG
Hydraulic coupling 2000kg
– galvanised



CFA3500G
Electric coupling 3500kg
– galvanised, without
handbrake



CHB3500G
Electric coupling 3500kg
– with HD ratcheting
handbrake

Coupling Spare Parts and Accessories



ACSC
Clip and spring



ACAB
Tow ball adjusting bolt



ACORS
Reversing latch to suit
override coupling



TB503500C
Tow ball 50mm 3500kg
chrome

COUPLINGS AND COUPLING ACCESSORIES

Coupling Handbrake Spare Parts



ACOMBHA
A-frame handbrake



BAHBA50G
50mm boat trailer handbrake
– no bolts or bushes

BAHBA75G
75mm boat trailer handbrake
– no bolts or bushes



BAHBA90G
90mm boat trailer handbrake
– no bolts or bushes

BAHBA100G
100mm boat trailer handbrake
– with bolts and bushes

Hydraulic Coupling Spare Parts



ACOHBH
Hydraulic coupling handbrake – galvanised



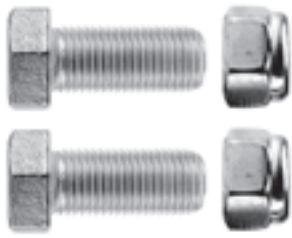
BHMC3/4
Master cylinder 3/4-inch

BHMC3/4CAP
Master cylinder cap 3/4-inch

BHMC7/8
Master cylinder 7/8-inch

COUPLINGS AND COUPLING ACCESSORIES

Coupling Bolt Packs



BIC12X112-8Zx2

2 x bolts ½-inch x 1-½-inch grade 5 (12.7 x 38mm 8.8 metric).
Suits 2-hole non-braked coupling to A-frame base plate.



BIC12X112-8Zx3

3 x bolts ½-inch x 1-½-inch grade 5 (12.7 x 38mm 8.8 metric).
Suits 3-hole non-braked coupling to A-frame base plate.



BIC12X112-8Zx4

4 x bolts ½-inch x 1-½-inch grade 5 (12.7 x 38mm 8.8 metric).
Suits 4-hole electric coupling to A-frame base plate.



BIC12X412-8Zx4

4 x bolts ½-inch x 4-½-inch grade 5 (12.7 x 115mm grade 8.8 metric).
Suits 4-hole over ride coupling to A-frame base plate.

Base Plates



CABP2HN

2-hole base plate for
non-braked couplings



CABP3HN

3-hole base plate for
non-braked couplings



CAB4HN

4-hole base plate for electric
and override couplings

Up to 1450kg Lazy Hub Suits: LM Holden / Set 2 and 6 / Set A and B SL Ford / Set 12 and 13 / Set E and F



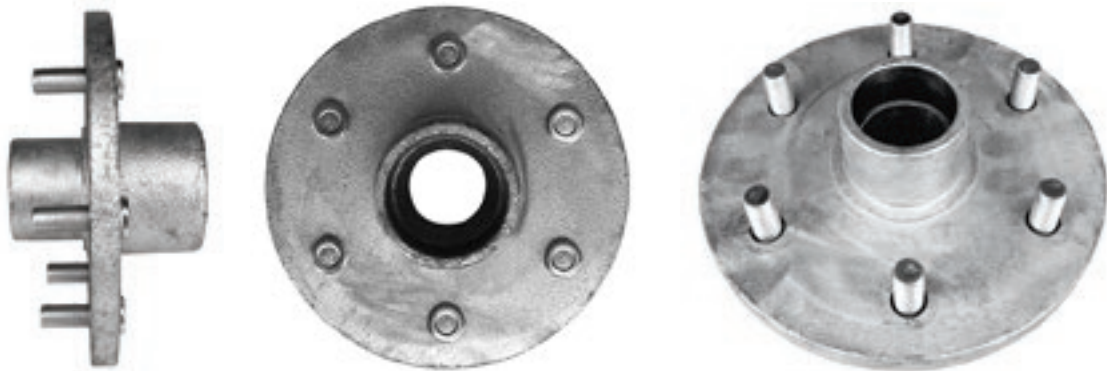
Without Bearing Kit

HLHTNBN – Natural
 HLHTNBG – Galvanised
 5 x WN716 – Wheel Nuts
 Holden HT – 5 Stud 107.95mm PCD

HLHQNBN – Natural
 HLHQNBG – Galvanised
 5 x WN716 – Wheel Nuts
 Holden HQ – 5 Stud 120.65mm PCD

HLCNBN – Natural
 HLCNBG – Galvanised
 5 x WN716 – Wheel Nuts
 Commodore – 5 Stud 120mm PCD

HLFNBN – Natural
 HLFNBG – Galvanised
 5 x WN12 – Wheel Nuts
 Ford – 5 Stud 114.3mm PCD



Without Bearing Kit

HLLCNBN – Natural
 HLLCNBG – Galvanised
 6 x WN12 – Wheel Nuts
 Landcruiser – 6 Stud 139.7mm PCD

HLLC5NBN – Natural
 5 x WN916 – Wheel Nuts
 Landcruiser – 5 Stud 150mm PCD

HUBS – LAZY

Up to 1450kg Lazy Hub Suits: LM Holden / Set 2 and 6 / Set A and B SL Ford / Set 12 and 13 / Set E and F
Additional Items – sold separately



For wheel nut information see page 9

HADC
Cap



HABB
Greaseable dust cap



HABBD
Greaseable dust cap
(suits alloy wheels)



HABBBRA
Greaseable dust cap cover



Standard Seal Bearing Kit (with cap)

BKLM-SC
LM Chinese

BKLM-SP
LM Premium



BKSL-SC
SL Chinese

BKSL-SP
SL Premium



Marine Seal Bearing Kit (no cap)

BKLM-MC
LM Chinese

BKLM-MP
LM Premium



BKSL-MC
SL Chinese

BKSL-MP
SL Premium

Up to 750kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM39200M



SALM39200



SALM39250

Up to 1000kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM40250



SALM40305

Up to 1450kg Lazy Hub Suits: Stub Axle – SL Ford / Set 12 and 13 / Set E and F



SASL45215



SASL45250



SASL45305

HUBS – LAZY

2000kg Landcruiser Lazy Hub Suits: LM67048/10 and 25580/20



Without Bearing Kit

HLLCNCG

Landcruiser – 6 Stud 139.7mm PCD – galvanised

Additional Items – sold separately



HADC63
Cap



6 x WN12
Wheel nuts



SALC50293
Stub axle



Standard Seal Bearing Kit (with cap)

BK2T-67048/25580SP

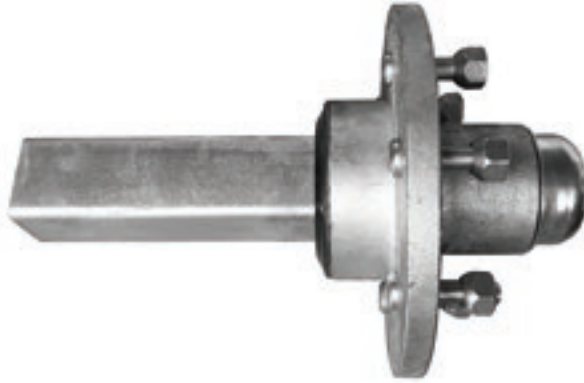
Premium

Marine Seal Bearing Kit (no cap)

BK2T-67048/25580MP

Premium

2000kg Hub Stub Assemblies



SALC2TGK

Stub axle assembly 293mm LM67048/10 and 25580/20 or A511 bearing marine seal and 63mm cap Landcruiser stud pattern

OPTIONS

Premium bearings

Standard bearings

Marine seal

Standard seal



MARINE SEAL INSTALLATION

When assembling a marine seal, it is critical that the seal is greased. Failing to do so will cause the seal to spin on the shaft instead of internally and will lead to failure. We supply the parts unassembled and ungreased standard so that it can be welded and packed with your choice of high quality grease.

BRAKES – HUB DISCS

Hub Discs
Disc Rotor – Up to 1450kg – Hydraulic and Mechanical

Suits: LM Holden / Set 2 and 6 / Set A and B
SL Ford / Set 12 and 13 / Set E and F



Without Bearing Kit

HDHTNBG – Galvanised
5 x WN716 – Wheel Nuts (sold separately)
½-inch Holden HT – 5 stud 107.95mm PCD

HDHQNBG – Galvanised
5 x WN716 – Wheel Nuts (sold separately)
½-inch Holden HQ – 5 stud 120.65mm PCD

HDCDNBG – Galvanised
5 x WN716 – Wheel Nuts (sold separately)
½-inch Commodore – 5 stud 120mm PCD

HDFNBG – Galvanised
5 x WN12 – Wheel Nuts (sold separately)
½-inch Ford – 5 stud 114.3mm PCD



Without Bearing Kit

HDLCNBG – Galvanised
6 x WN12 – Wheel Nuts (sold separately)
⅝-inch Landcruiser – 6 stud 139.7mm

Additional Items – sold separately



For wheel nut information see above

HADC
Cap

HABB
Greaseable dust cap

HABBD
Greaseable dust cap
(suits alloy wheels)

HABBBRA
Greaseable dust cap cover

BRAKES – HUB DISCS

Hub Discs
Disc Rotor – Up to 1450kg – Hydraulic and Mechanical

Suits: LM Holden / Set 2 and 6 / Set A and B
SL Ford / Set 12 and 13 / Set E and F



Standard Seal Bearing Kit (with cap)

BKLM-SC	LM Chinese	BKSL-SC	SL Chinese
BKLM-SP	LM Premium	BKSL-SP	SL Premium

Marine Seal Bearing Kit (no cap)

BKLM-MC	LM Chinese	BKSL-MC	SL Chinese
BKLM-MP	LM Premium	BKSL-MP	SL Premium

Up to 750kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM39200M



SALM39200



SALM39250

Up to 1000kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM40250



SALM40305

Up to 1450kg Lazy Hub Suits: Stub Axle – SL Ford / Set 12 and 13 / Set E and F



SASL45215



SASL45250



SASL45305

BRAKES – DISC ROTORS

Disc Rotor 2000kg – Hydraulic Suits: LM67048/10 and 25580/20



Without Bearing Kit

HDLCNCG – Galvanised
6 x WN12 – Wheel Nuts
Landcruiser 6 stud 139.7mm PCD

HDLC52TNBG – Galvanised
5 x WN916 – Wheel Nuts
Landcruiser 5 stud 150mm PCD

Additional Items – sold separately



For wheel nut information see above

HADC63
Cap

SALC50293
Stub axle



Standard seal bearing kit (with cap)

BK2T-67048/25580SC
Chinese

BK2T-67048/25580SP
Premium

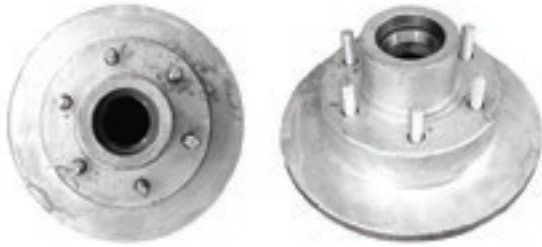


Marine seal bearing kit (with cap)

BK2T-67048/25580MC
Chinese

BK2T-67048/25580MP
Premium

Disc Rotor 2000kg – Hydraulic Suits: 15123/HR30210



Without Bearing Kit

HDLC2000NBG – Galvanised

6 x WN12 – Wheel Nuts

Landcruiser 6 stud 139.7mm PCD

Additional Items – sold separately



For wheel nut information see above

HADC63

Cap

SALC50293

Stub axle



Standard seal bearing kit (with cap)

BK2T-15123/30210SP

Premium



Marine seal bearing kit (with cap)

BK2T-15123/30210MP

Premium

BRAKES – DRUMS

Drums
9-inch x 1-3/4-inch – Hydraulic and Mechanical

Suits: LM Holden / Set 2 and 6 / Set A and B
SL Ford / Set 12 and 13 / Set E and F



Without Bearing Kit

HHHTNB9N – Natural
5 x WN716 – Wheel Nuts
Holden HT – 5 stud 107.95mm PCD

HHCDNB9N – Natural
5 x WN716 – Wheel Nuts
Commodore – 5 stud 120mm PCD

HHHQNB9N – Natural
5 x WN716 – Wheel Nuts
Holden HQ – 5 stud 120.65mm PCD

HHFNB9N – Natural
5 x WN12 – Wheel Nuts
Ford – 5 stud 114.3mm PCD

HHLCNB9N – Natural
6 x WN12 – Wheel Nuts
Landcruiser – 6 stud 139.7mm

Additional Items – sold separately



For wheel nut information see above

HADC
Cap

Drums
9-inch x 1-3/4-inch – Hydraulic and Mechanical

Suits: LM Holden / Set 2 and 6 / Set A and B
 SL Ford / Set 12 and 13 / Set E and F



Standard Seal Bearing Kit (with cap)

BKLM-SC	LM Chinese	BKSL-SC	SL Chinese
BKLM-SP	LM Premium	BKSL-SP	SL Premium

Up to 750kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM39200M



SALM39200



SALM39250

Up to 1000kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM40250



SALM40305

Up to 1450kg Lazy Hub Suits: Stub Axle – SL Ford / Set 12 and 13 / Set E and F



SASL45215



SASL45250



SASL45305

BRAKES – DRUMS

Drums
10-inch x 2-1/4-inch – Electric

Suits: LM Holden / Set 2 and 6 / Set A and B
SL Ford / Set 12 and 13 / Set E and F



Without Bearing Kit

HEHTNB10N – Natural
5 x WN716 – Wheel Nuts
Holden HT – 5 stud 107.95mm PCD

HEHTNB10N1/2 – Natural
5 x WN12 – Wheel Nuts
Holden HT 1/2-inch – 5 stud 107.95mm PCD

HEHQNB10N – Natural
5 x WN716 – Wheel Nuts
Holden HQ – 5 stud 120.65mm PCD

HECDNB10N – Natural
5 x WN716 – Wheel Nuts
Commodore – 5 stud 120mm PCD

HEFNB10N – Natural
5 x WN12 – Wheel Nuts
Ford – 5 stud 114.3mm PCD

HEL CNB10N – Natural
6 x WN12 – Wheel Nuts
Landcruiser – 6 stud 139.7mm PCD

Additional Items – sold separately



For wheel nut information see above

HADC
Cap

Drums
10-inch x 2-1/4-inch – Electric

Suits: LM Holden / Set 2 and 6 / Set A and B
 SL Ford / Set 12 and 13 / Set E and F



Standard Seal Bearing Kit (with cap)

- | | | | |
|---------|------------|---------|------------|
| BKLM-SC | LM Chinese | BKSL-SC | SL Chinese |
| BKLM-SP | LM Premium | BKSL-SP | SL Premium |

Up to 750kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM39200M



SALM39200



SALM39250

Up to 1000kg Lazy Hub Suits: Stub Axle – LM Holden / Set 2 and 6 / Set A and B



SALM40250



SALM40305

Up to 1450kg Lazy Hub Suits: Stub Axle – SL Ford / Set 12 and 13 / Set E and F



SASL45215



SASL45250



SASL45305

BRAKES – DRUMS

Drums 12-inch x 2-inch – Electric



Without Bearing Kit

HEL CNB12N – Natural
6 x WN12 – Wheel Nuts
Landcruiser 6 stud 139.7mm PCD

Additional Items – sold separately



For wheel nut information see above

HADC63
Cap

SALC50293
Stub axle



Standard seal bearing kit (with cap)

BK2T-15123/30210SP

HUB SPARE PARTS AND ACCESSORIES



HABBBRA
Greaseable dust cap bra



HABB
Greaseable dust cap 45mm



HABBD
Greaseable dust cap suits
Meher alloy wheels



HADC
Dust cap 45mm



SASPZ
Axle split pin 32mm x 25mm



SANUT3/4
Axle nut 3/4-inch UNF



SAFWZ
Axle washer



WN716Z
Wheel nut 7/16-inch



WN12Z
Wheel nut 1/2-inch UNF



WN916Z
Wheel nut 9/16-inch UNF



WN58Z
Wheel nut 5/8-inch UNF



HAWS716Z
Wheel stud 7/16-inch UNF
zinc finish



HAWS12G
Wheel stud 1/2-inch UNF
zinc finish



HAWS916G
Wheel stud 9/16-inch UNF
zinc finish



HAWS58G
Wheel stud 5/8-inch UNF
zinc finish

BEARING KITS

Standard Seal



BKLM-SS – Chinese
BKLM-SP – Premium
LM Holden / Set A and B / Set 2 and 6 – standard seal bearing kit.
Includes standard cap and split pin.



BKSL-SS – Chinese
BKSL-SP – Premium
SL Ford / Set E and F / Set 12 and 13 – standard seal bearing kit.
Includes standard cap and split pin.



BK2T-15123/30210SP – Premium
2T standard seal 15123/245 – 31.7 x 61.9 and **HR30210** – 50.0 x 89.9. Includes 63mm cap, split pin and standard seal.



BK2T-67048/25580SP – Premium
2T standard seal LM67048/10 – 31.7 x 59.1 and **Z5580/20** – 44.4 x 82.8. Includes 63mm cap, split pin and standard seal.

Marine Seal



BKLM-MS – Chinese
BKLM-MP – Premium
LM Holden / Set A and B / Set 2 and 6 – marine seal bearing kit.
Cap not included for those using greaseable caps.



BKSL-MS – Chinese
BKSL-MP – Premium
SL Ford / Set E and F / Set 12 and 13 – marine seal bearing kit.
Cap not included for those using greaseable caps.



BK2T-67048/25580MP – Premium
2T Marine LM67048/10 and 25580/20 – 31.7 x 59.1 and 44.4 x 82.8. Includes 63mm cap, split pin and marine seal.



BK2T-15123/30210MP – Premium
2T Marine 15123/215 – 31.7 x 61.9 and **HR30210** – 50.0 x 89.9. Includes 63mm cap, split pin and marine seal.

Mechanical Disc and Drum Spare Parts



MBCA
Brake Cable Kit – includes
10 metre cable 4mm, 2 clamps
and cable adjuster



AMBCAG
Cable adjuster – galvanised



MBCPC
Cable 4mm nylon-coated –
per metre – galvanised



MBCSS4PC
Cable 4mm nylon coated
stainless steel – per metre



MBCSS5PC
Cable 5mm – per metre
– stainless steel



BAWRCSS
Cable clamp 4.8mm –
stainless steel



BAWRC
Cable clamp 8mm –
galvanised

Mechanical Caliper Spare Parts



MBCGNS
Mechanical caliper standard
– galvanised



MBCGND
Mechanical caliper with
brake pad retaining springs
– galvanised



AMBBPND
Mechanical disc brake pads



AMBBP
Mechanical disc brake pads



AMBSB
Mechanical caliper stainless
steel bush 12.7 x 17 x 38mm



AMBSBND
Mechanical caliper stainless
steel bush 12.7 x 17 x 50mm



AMBCGNDWP
Mechanical caliper T pad
pressure plate



AMBR
Mechanical caliper old
style spring

BRAKE PARTS

Mechanical Caliper Spare Parts – continued



AMBRSK
Mechanical caliper new style spring



AMBMB716Z
Caliper mounting bolt grade 5
7/16-inch UNF x 2-1/4-inch long



AMBMP716KG
Mechanical caliper mounting plate

Mechanical Drum Spare Parts



MB9L
Mechanical backing plate left



MB9R
Mechanical backing plate right



SAWEMR39N
Mechanical weld plate
39mm round



SAWEMS40N
Mechanical weld plate
40mm square



SAWEMR45N
Mechanical weld plate
45mm round



SAWEMS45N
Mechanical weld plate
45mm square



BIF716X1-5Z
7/16-inch UNF bolt 1-inch
long grade 5 zinc



NNI716FZ
7/16-inch UNF nyloc nut

Hydraulic Brake Spare Parts



BABT
Bundy tube brass 3/16-inch
plastic coated 500 metres



BABT
Bundy tube brass 3/16-inch
plastic coated per metre



BH400
Hydraulic hose 400mm long
female / male



BH500
Hydraulic hose 500mm long
female / male

Hydraulic Brake Spare Parts – continued



BH400M
Hydraulic hose 400mm long
male / male



BABTLN
3/8-inch Inverted flare long
nut suits 3/16-inch tube



BABTSN
3/8-inch Inverted flare short
nut suits 3/16-inch tube



BAHCMC
3/8-inch Inverted flare
female / male copper
washer seal



BAHCFC
3/8-inch Inverted flare
female / female



BA3WTP
3/8-inch Inverted flare tee
bulkhead suits 3/16-inch tube



BHCLIP
Brake hose hairpin clip



BHBRACKET
Brake hose weld / fastening
bracket



BACU
Copper washers

Hydraulic Caliper Spare Parts



BHMC3/4
3/4-inch master cylinder



BHMC7/8
7/8-inch master cylinder



BHMC1
1-inch master cylinder



HBCFG
Hydraulic caliper

BRAKE PARTS

Hydraulic Caliper Spare Parts – continued



AHBBP
Hydraulic caliper brake pad



AMBMP12KG
Caliper mounting plate suits
40mm and 45mm axles



AHBBOLT
Hydraulic caliper stud



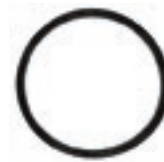
AHBBOOT
Hydraulic caliper arm
sandwich seal



AHBP
Hydraulic piston



AHBDS
Hydraulic wiper seal



AHBOR
Hydraulic piston seal

Hydraulic Drum Spare Parts



HB9L
Hydraulic backing plate left



HB9R
Hydraulic backing plate right



SAWHR39N
Hydraulic weld plate 39mm
round hole



SAWHS40N
Hydraulic weld plate 40mm
square hole



SAWHR45N
Hydraulic weld plate 45mm
round hole



SAWHS45N
Hydraulic weld plate 45mm
square hole



BIF38X1-5Z
3/8-inch UNF bolt 1-inch long
grade 5 zinc



NNI38FZ
3/8-inch nyloc nut

10-inch and 12-inch Electric Drum Spare Parts



EB10LP
10-inch black backing plate
- left



EB10RP
10-inch black backing plate
- right



EB12LP
12-inch black backing plate
- left



EB12RP
12-inch black backing plate
- right



EB12LPG
12-inch galvanised backing
plate - left



EB12RPG
12-inch galvanised backing
plate - right



EB10BS
10-inch Brake shoes - pair



EBS
Drum spring - stainless steel



EB10M
10-inch electric magnet



SAWEMR39N
10-inch weld plate 39mm
round



SAWEMS40N
10-inch weld plate 40mm
square



SAWEMR45N
10-inch weld plate 45mm
round



SAWEMS45N
10-inch weld plate 45mm
square



SAWES50N-12
12-inch weld plate 50mm
square



NNI716FZ
7/16-inch UNF nyloc nut

BRAKE KITS

Mechanical Disc Brakes*



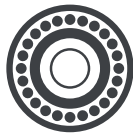
Hydraulic Disc Brakes*



*Options include:

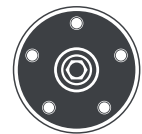
What bearings are needed?

Holden LM bearings
Ford slimline bearings
Standard / Premium



What stud pattern is required?

Holden HT, HQ or Commodore
Ford (all 1/2-inch disc rotor)
Landcruiser (3/8-inch disc rotor)



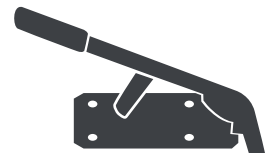
Axle – what shape and size for the caliper mounting plate?

39mm round
40mm square
45mm square



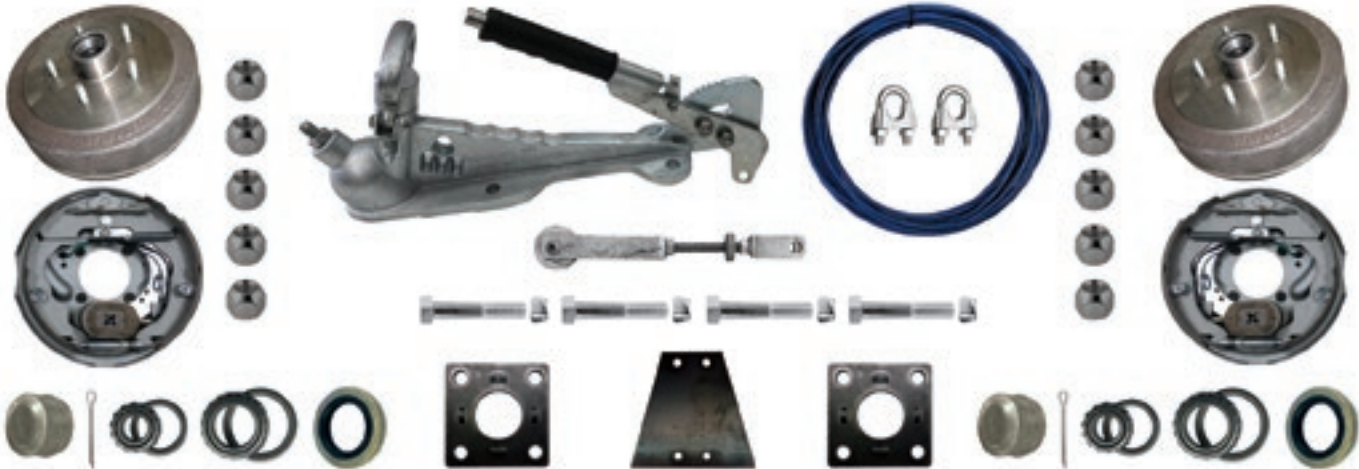
Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

10-inch Electric Drum Brakes*



***Options include:**

What bearings are needed?

- Holden LM bearings
- Ford slimline bearings
- Standard / Premium



Stud pattern

- Holden HT, HQ or Commodore
- Ford (all 1/2-inch disc rotor)
- Landcruiser (5/8-inch disc rotor)



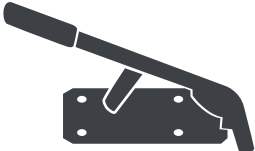
Axle – what shape and size for the caliper mounting plate?

- 39mm round
- 40mm square
- 45mm square



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

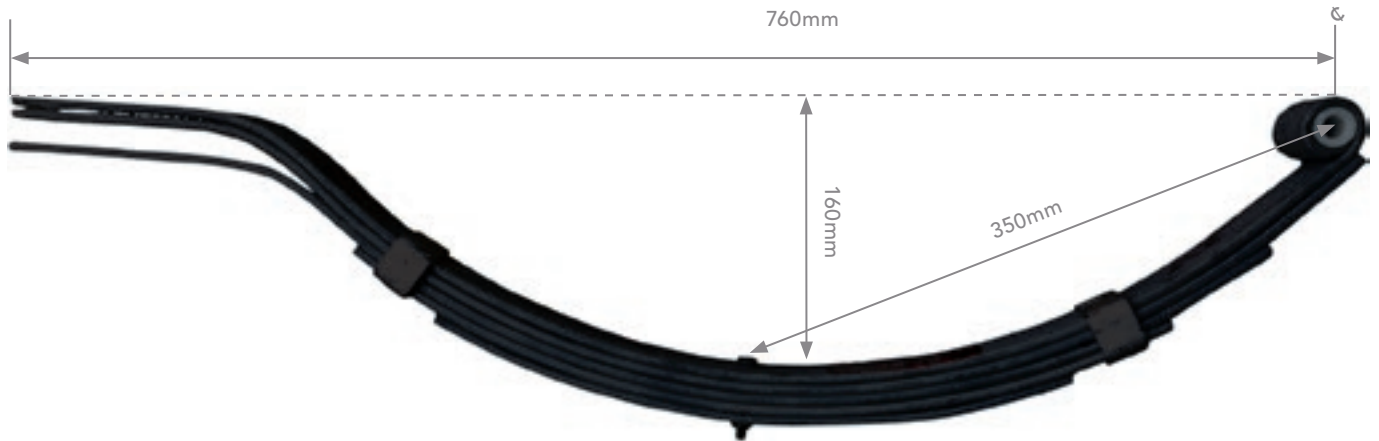
- 50mm
- 75mm
- 100mm



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

SPRINGS

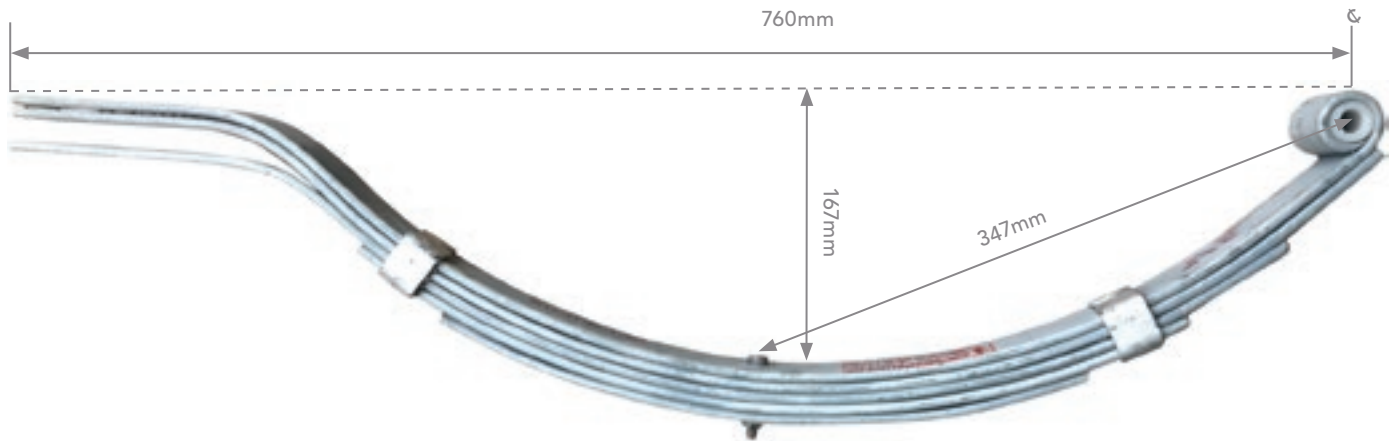
45mm x 6mm Eye Slipper Springs*



What is the total weight rating of the springs?

Black		Zinc Tech	
S3ES456B	3 leaf – 600kg	S7ES456B	7 leaf – 1350kg
S4ES456B	4 leaf – 900kg	S8ES456B	8 leaf – 1450kg
S5ES456B	5 leaf – 1000kg	S9ES456B	9 leaf – 1600kg
S6ES456B	6 leaf – 1200kg	S3ES456ZT	3 leaf – 600kg
		S4ES456ZT	4 leaf – 900kg
		S5ES456ZT	5 leaf – 1000kg
		S6ES456ZT	6 leaf – 1200kg
		S7ES456ZT	7 leaf – 1350kg
		S8ES456ZT	8 leaf – 1450kg
		S9ES456ZT	9 leaf – 1600kg

45mm x 8mm Eye Slipper Springs*



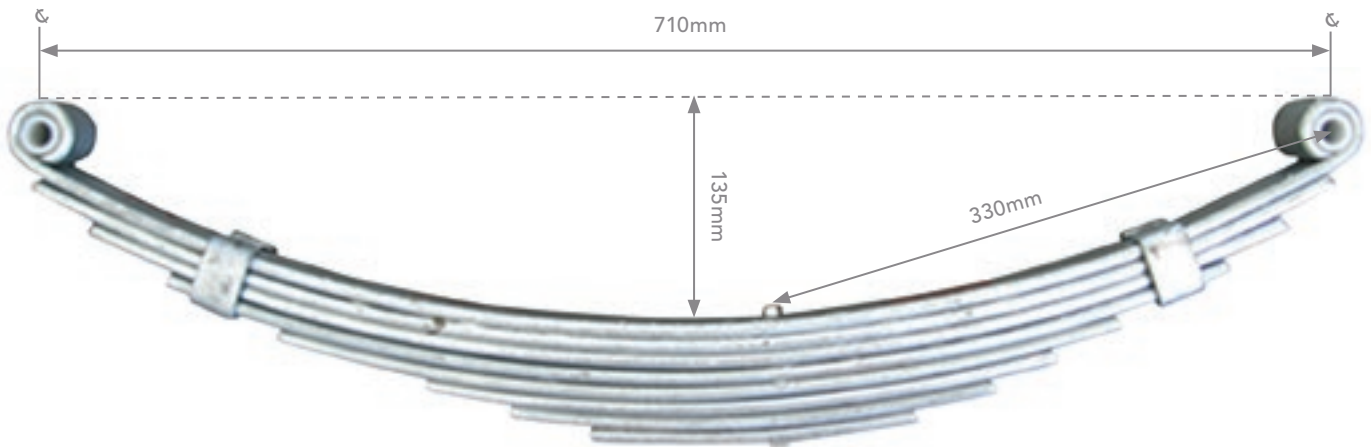
What is the total weight rating of the springs?

Zinc Tech		
S2ES458ZT	2 leaf – 650kg	S5ES458ZT
S3ES458ZT	3 leaf – 700kg	S6ES458ZT
S4ES458ZT	4 leaf – 850kg	S7ES458ZT
		S8ES458ZT
		S9ES458ZT
		S10ES458ZT



*** PLEASE NOTE:** For tandem use, a 20% reduction to weight rating is required for non load sharing springs. The above weight ratings are for single axle applications.

45mm x 8mm Eye to Eye Springs*

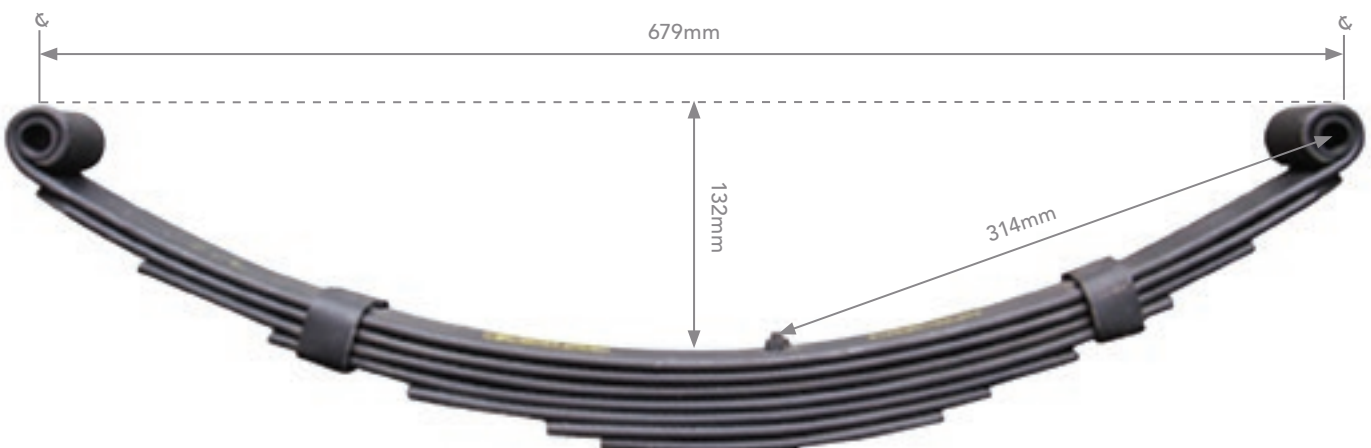


What is the total weight rating of the springs?

Zinc Tech

S5EE458ZT 5 leaf – 1300kg **S6EE458ZT** 6 leaf – 1500kg **S7EE458ZT** 7 leaf – 1700kg **S8EE458ZT** 8 leaf – 1900kg

60mm x 7mm Eye to Eye Springs*



What is the total weight rating of the springs?

Black

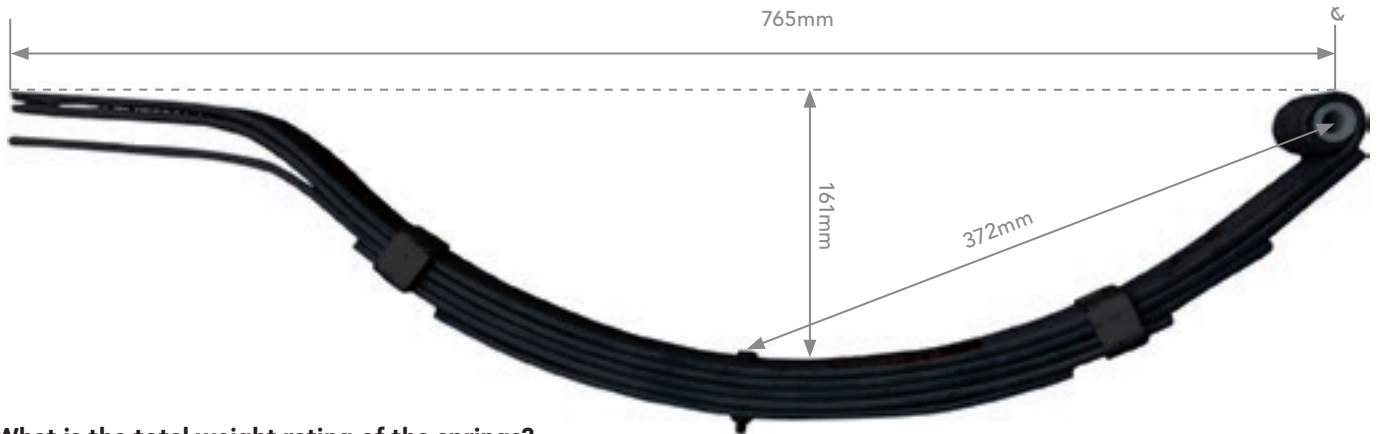
S5EE607B 5 leaf – 2000kg **S7EE607B** 7 leaf – 2600kg **S9EE607B** 9 leaf – 3000kg
S6EE607B 6 leaf – 2200kg **S8EE607B** 8 leaf – 2750kg **S10EE607B** 10 leaf – 3100kg



*** PLEASE NOTE:** The above weight ratings are for single axle applications.

SPRINGS

60mm x 7mm Eye Slipper Springs*



What is the total weight rating of the springs?

Black

S6ES607B 6 leaf – 1340kg

S8ES607B 8 leaf – 1720kg

S10ES607B 10 leaf – 2500kg

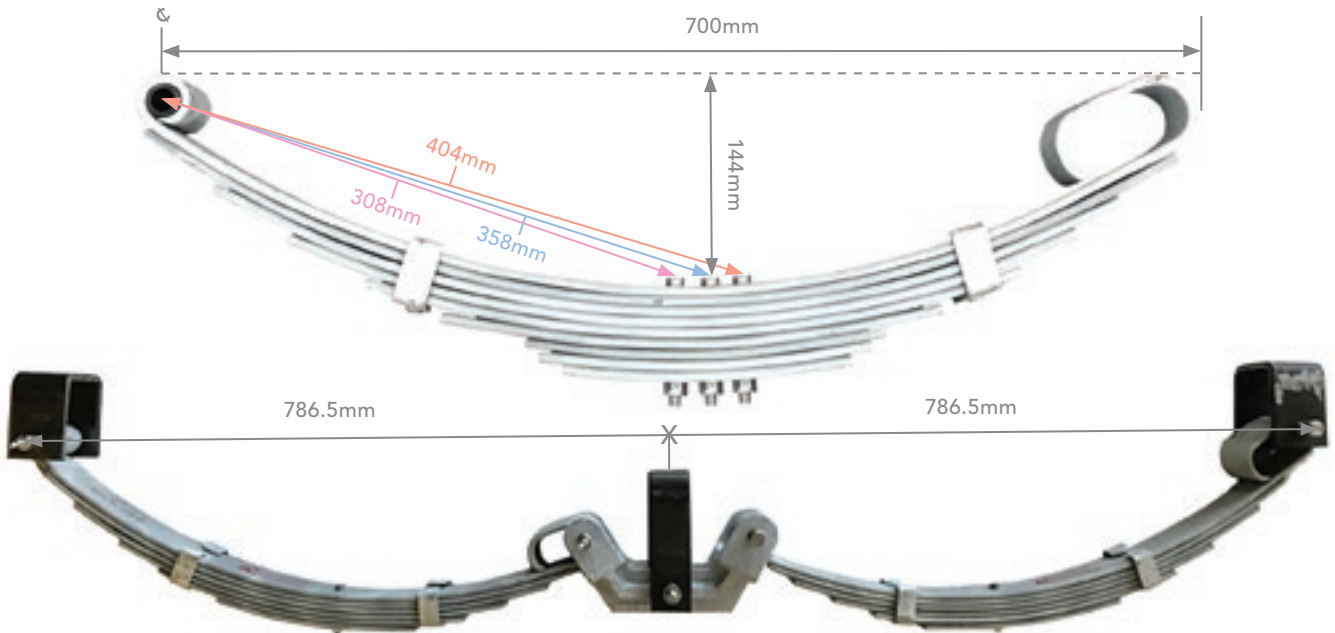
S7ES607B 7 leaf – 1530kg

S9ES607B 9 leaf – 2000kg



*** PLEASE NOTE:** For tandem use, a 20% reduction to weight rating is required for non load sharing springs. The above weight ratings are for single axle applications.

60mm x 7mm Rocker Roller Springs Tandem~



What is the total weight rating of the springs?

Black

S5RRA607B
5 leaf – 2000kg

S7RRA607B
7 leaf – 3000kg

S6RRA607B
6 leaf – 2500kg

S9RRA607B
9 leaf – 4000kg

Zinc Tech

S5RRA607ZT
5 leaf – 2000kg

S7RRA607ZT
7 leaf – 3000kg

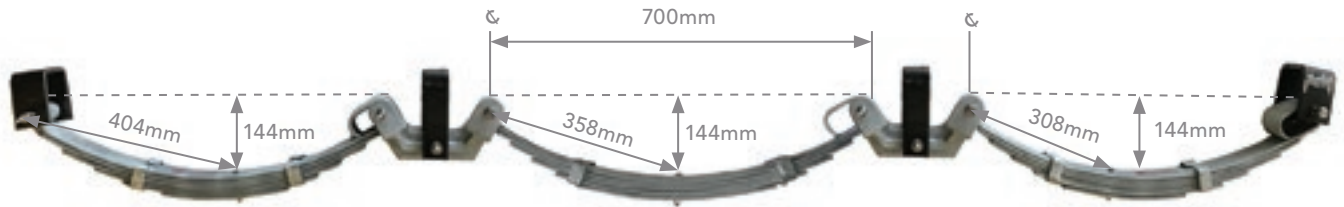
S6RRA607ZT
6 leaf – 2500kg

S9RRA607ZT
9 leaf – 4000kg



~ PLEASE NOTE: For any weights over 2000kg, 3/8-inch U-bolts are required.

60mm x 7mm Rocker Roller Tri-axle~



What is the total weight rating of the springs?

Black

S5RRA607TB
5 leaf – 2800kg

S6RRA607TB
6 leaf – 3500kg

S7RRA607TB
7 leaf – 4000kg

S9RRA607TB
9 leaf – 5000kg

Zinc Tech

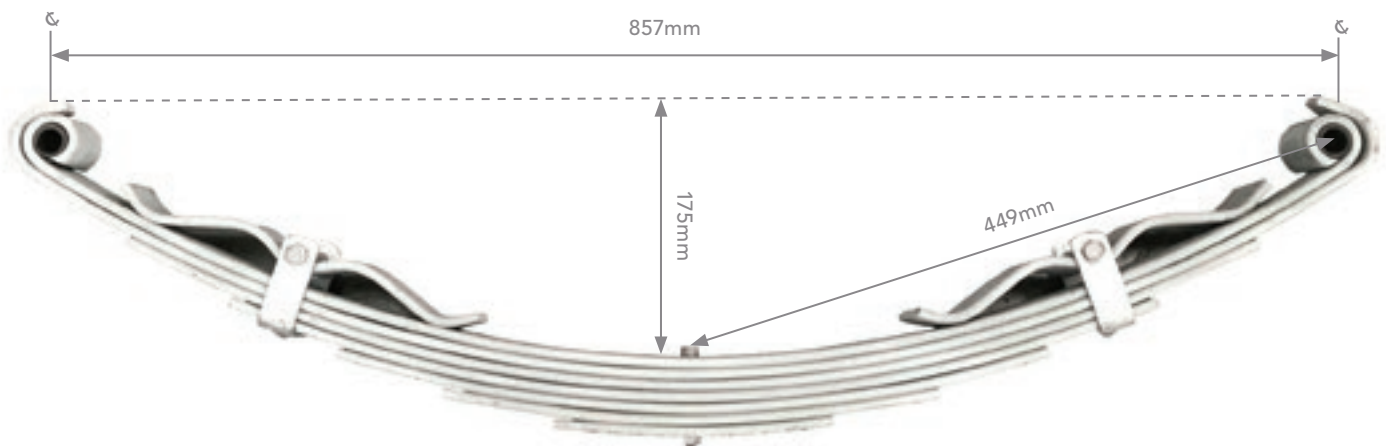
S5RRA607ZT
5 leaf – 2800kg

S6RRA607ZT
6 leaf – 3500kg

7RRA607ZT
7 leaf – 4000kg

S9RRA607ZT
9 leaf – 5000kg

60mm x 7mm Off-road Spring Assembly~



What is the total weight rating of the springs?

Zinc Tech

S6ORA607ZT
6 leaf – 1350kg

S7ORA607ZT
7 leaf – 1550kg

S8ORA607ZT
8 leaf – 1750kg

S9ORA607ZT
9 leaf – 2000kg



~ PLEASE NOTE: For any weights over 2000kg, 5/8-inch U-bolts are required.

SPRING PARTS

Front Hangers



SAFHS45
Front hanger suits 45mm
spring 1/2-inch hole



SAFHS60
Front hanger suits 60mm
spring 3/8-inch hole



SAFRHR60N
Front hanger suits 60mm
rocker spring 5/8-inch hole

Middle Hangers



SADFHS45
Middle hanger suits 45mm
spring 1/2-inch hole



SACHE60N
Middle hanger suits 60mm
spring 3/8-inch hole



SACHR60N
Middle hanger suits 47mm
rocker arm 3/4-inch hole

Rear Hangers and Dumb Jacks



SARHS45
Rear hanger suits 45mm
wide spring



SARHS60
Rear hanger suits 60mm
wide spring



SADJ45N
Dumb jack wide suits 45mm
spring and 22mm outside
diameter nylon bush



SARHOR60N
Dumb jack wide suits 60mm
spring and 22mm outside
diameter nylon bush

Shackle Plates



SP50168G
Shackle plate 16mm hole 66mm C-C or 50mm
hole to hole inside measurement



SP73148G
Shackle plate 14mm hole 87mm C-C or 73mm
hole to hole inside measurement

Rocker Arms



SACRA45EG
SACRA60EG
SACRA60N
 Centre rocker arm
 eye / shackle – galvanised



SACRAE60B – Black
SACRAE60G – Galvanised
 Centre rocker arm eye / eye

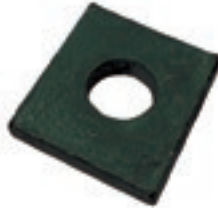


SACRA60B – Black
SACRA60G – Galvanised
 Centre rocker arm eye / eye

Spring Pads / Axle Saddles



AXTAB
 Spring pad suits 39mm
 round axle – galvanised



AXSN
 Spring pad suits
 40mm x 40mm square
 axle – black



AXSG
 Spring pad suits
 45mm x 40mm spring
 – galvanised

Spring Bushes and Shock Absorber



SANB122245
 $\frac{1}{2}$ -inch x $\frac{7}{8}$ -inch x $1\frac{3}{4}$ -inch
 (12.7 x 22.2 x 45mm)
 nylon bush



SANB142245
 $\frac{9}{16}$ -inch x $\frac{7}{8}$ -inch x $1\frac{3}{4}$ -inch
 (14.3 x 22.2 x 45mm)
 nylon bush



SANB162245
 $\frac{5}{8}$ -inch x $\frac{7}{8}$ -inch x $1\frac{3}{4}$ -inch
 (15.8 x 22.2 x 45mm)
 nylon bush



SANB162260
 $\frac{5}{8}$ -inch x $\frac{7}{8}$ -inch x $2\frac{3}{8}$ -inch
 (15.8 x 22.2 x 60mm)
 nylon bush



SASB163360
 $\frac{5}{8}$ -inch x $\frac{7}{8}$ -inch x $2\frac{3}{8}$ -inch
 (15.8 x 22.2 x 60mm)
 steel bush



SVASB
 Shock absorber to suit 6 leaf
 rocker roller spring

SPRING PARTS

Spring Bolts



SASB12312M0Z
 ½-inch bolt suits 45mm
 spring 3½-inch overall – zinc



SASB12312M0G
 ½-inch bolt suits 45mm
 spring 3½-inch overall
 – galvanised



SASB1490 – Non-greaseable
SAGB1490 – Greaseable
 ⅝-inch (14.3mm) bolt suits 45mm and 50mm spring



SASB1690 – Non-greaseable
SAGB1690 – Greaseable
 ⅝-inch (15.8mm) bolt suits 45mm and 50mm spring



SASB16100 – Non-greaseable
SAGB16100 – Greaseable
 ⅝-inch (15.8mm) bolt suits 60mm spring



SASBSS16100 – Non-greaseable
SAGBSS16100 – Greaseable
 ⅝-inch (15.8mm) bolt 304 stainless suits 60mm spring



SAGCB1985
 ¾-inch (19.0mm) 85mm
 bolt suits rocker roller arm



SAGCBSS1985
 ¾-inch (19.0mm) 85mm
 304 stainless bolt suits
 rocker roller arm



SAGCB19100
 ¾-inch (19.0mm) 100mm bolt
 suits rocker roller arm

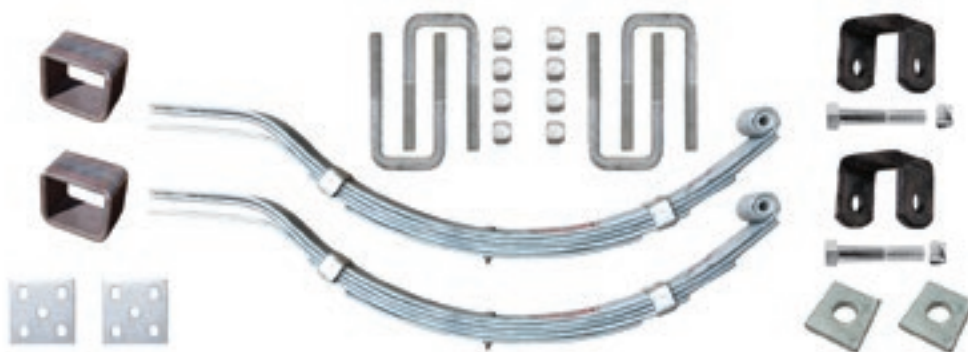
45mm x 6mm Slipper Spring and Hanger Kit – Suits Single Axle



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Black springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

SS3SKH-4539N	39mm round U-bolts 3 leaf springs (600kg)	SS6SKH-4545N	45mm square U-bolts 6 leaf springs (1200kg)
SS4SKH-4539N	39mm round U-bolts 4 leaf springs (750kg)	SS7SKH-4545N	45mm square U-bolts 7 leaf springs (1350kg)
SS5SKH-4540N	40mm square U-bolts 5 leaf springs (1000kg)	SS8SKH-4545N	45mm square U-bolts 8 leaf springs (1400kg)



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Zinc Tech Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

SS3SKH-4539GN	39mm round U-bolts 3 leaf springs (600kg)	SS6SKH-4545GN	45mm square U-bolts 6 leaf springs (1200kg)
SS4SKH-4539GN	39mm round U-bolts 4 leaf springs (750kg)	SS7SKH-4545GN	45mm square U-bolts 7 leaf springs (1350kg)
SS5SKH-4540GN	40mm square U-bolts 5 leaf springs (1000kg)	SS8SKH-4545GN	45mm square U-bolts 8 leaf springs (1400kg)

SPRING KITS

45mm x 6mm Slipper Spring Kit – Suits Tandem Axles~



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Black Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

SS3TKH-4539BN	39mm round U-bolts 3 leaf springs (960kg)	SS7TKH-4545BN	45mm square U-bolts 7 leaf springs (2160kg)
SS4TKH-4539BN	39mm round U-bolts 4 leaf springs (1200kg)	SS8TKH-4550BN	50mm square U-bolts 8 leaf springs (2240kg)
SS5TKH-4540BN	40mm square U-bolts 5 leaf springs (1600kg)	SS9TKH-4550BN	50mm square U-bolts 9 leaf springs (2560kg)
SS6TKH-4545BN	45mm square U-bolts 6 leaf springs (1920kg)		



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Zinc Tech Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

SS3TKH-4539GN	39mm round U-bolts 3 leaf springs (960kg)	SS7TKH-4545GN	45mm square U-bolts 7 leaf springs (2160kg)
SS4TKH-4539GN	39mm round U-bolts 4 leaf springs (1200kg)	SS8TKH-4550GN	50mm square U-bolts 8 leaf springs (2240kg)
SS5TKH-4540GN	40mm square U-bolts 5 leaf springs (1600kg)	SS9TKH-4550GN	50mm square U-bolts 9 leaf springs (2560kg)
SS6TKH-4545GN	45mm square U-bolts 6 leaf springs (1920kg)		



~ PLEASE NOTE: For any weights over 2000kg, 5/8-inch U-bolts are required.

60mm x 7mm Rocker Roller Spring Kit – Suits Tandem Axles~



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Black Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

S5RR607-1240BN

40mm square U-bolts with 5 leaf springs (2000kg)

S6RR607-1245BN

45mm square U-bolts with 6 leaf springs (2500kg)

S7RR607-1245BN

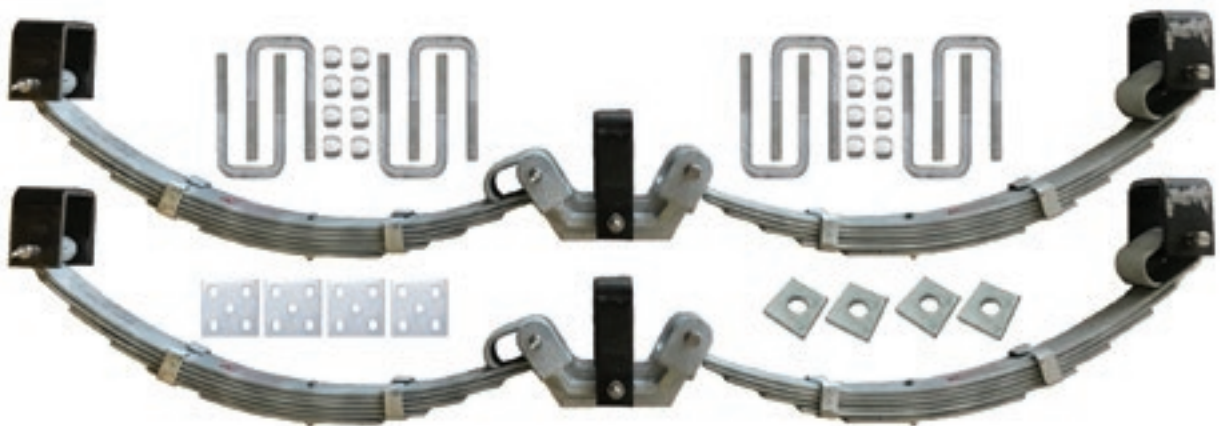
45mm square U-bolts with 7 leaf springs (3000kg)

S8RR607-1250BN

50mm square U-bolts with 8 leaf springs (3000kg)

S9RR607-1265BN

65mm square U-bolts with 9 leaf springs (4000kg)



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Zinc Tech Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

S5RR607-1240GN

40mm square U-bolts with 5 leaf springs (2000kg)

S6RR607-1645GN

45mm square U-bolts with 6 leaf springs (2500kg)

S7RR607-1645GN

45mm square U-bolts with 7 leaf springs (3000kg)

S8RR607-1650GN

50mm square U-bolts with 8 leaf springs (3000kg)

S9RR607-1665GN

65mm square U-bolts with 9 leaf springs (4000kg)



~ PLEASE NOTE: For any weights over 2000kg, 5/8-inch U-bolts are required.

SPRING KITS

60mm x 7mm Rocker Roller Spring Kit – Suits Tri Axles*



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Black Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

S5RR607TRI-1240BN

40mm square U-bolts with 5 leaf springs (2800kg)

S6RR607TRI-1645BN

45mm square U-bolts with 6 leaf springs (3500kg)

S7RR607TRI-1645BN

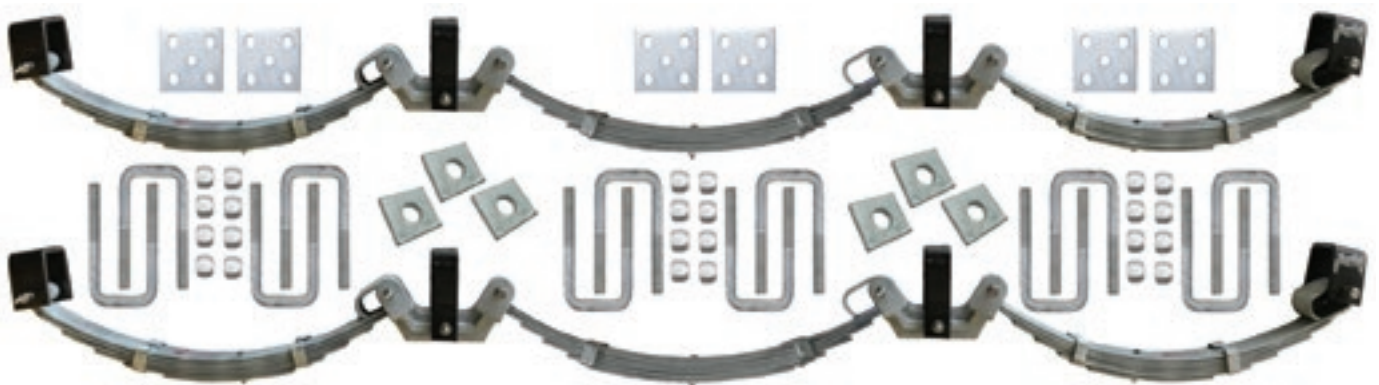
45mm square U-bolts with 7 leaf springs (4000kg)

S7RR607TRI-1650BN

50mm square U-bolts with 7 leaf springs (please refer to the note below)

S9RR607TRI-1665BN

65mm square U-bolts with 9 leaf springs (please refer to the note below)



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Zinc Tech Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

S5RR607TRI-1240GN

40mm square U-bolts with 5 leaf springs (2800kg)

S6RR607TRI-1645GN

45mm square U-bolts with 6 leaf springs (3500kg)

S7RR607TRI-1645GN

45mm square U-bolts with 7 leaf springs (4000kg)

S7RR607TRI-1650GN

50mm square U-bolts with 7 leaf springs (please refer to the note below)

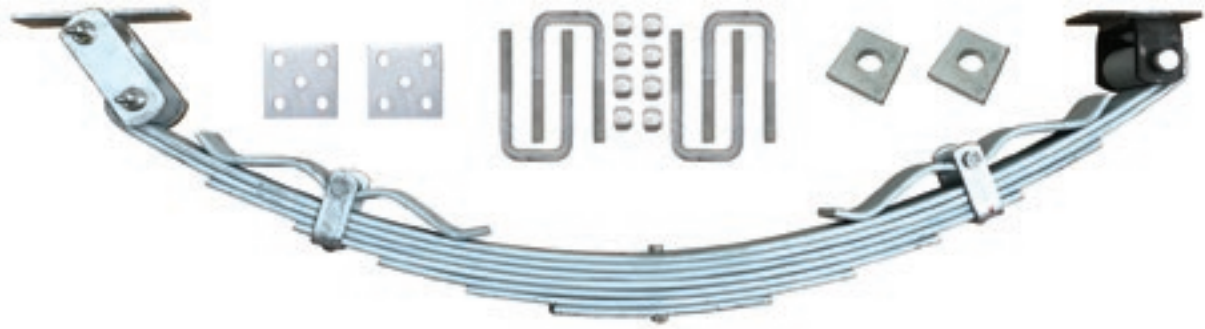
S9RR607TRI-1665GN

65mm square U-bolts with 9 leaf springs (please refer to the note below)



*** PLEASE NOTE:** For any weights over 2000kg, 5/8-inch U-bolts are required. For weights over 4500kg, GVM is considered a light truck. Please consult the professional advice of a truck body builder or certified engineer.

60mm x 7mm Off-road Kit – Suits Single Axle~



What is the total weight rating of the springs? What size U-bolt is required?

Options Include: Zinc Tech Springs, Galvanised U-bolts and Fishplates, Natural Hangers and Spring Pads

S6ORA607-1645ZT

45mm square x 5/8-inch U-bolts 6 leaf springs 1350kg

S7ORA607-1645ZT

45mm square x 5/8-inch U-bolts 7 leaf springs 1550kg

S8ORA607-1650ZT

50mm square x 5/8-inch U-bolts 8 leaf springs 1750kg

S9ORA607-1665ZT

65mm round x 5/8-inch U-bolts 9 leaf springs 2000kg



~ PLEASE NOTE: For any weights over 2000kg, 5/8-inch U-bolts are required.

AXLES

Stub Axles



SASP3225
Split pin



SANUT3/4
3/4-inch UNF axle nut



SANUT1x12
1-inch x 12 TPI UNF axle nut



SANUT1x14
1-inch x 14 TPI UNS axle nut (standard)



SAFWZ
Axle washer 3/4-inch



SAFWZ1
Axle washer 1-inch



SALM39R200M
39mm round stub axle 200mm 7.87 inches long suits 750kg LM bearing



SALM39R250
39mm round stub axle 250mm 9.84 inches long suits 750kg LM bearing



SALM40S250
40mm square stub axle 250mm 9.84 inches suits 1000kg LM bearing



SALM40S305
40mm square stub axle 305mm 12 inches suits 1000kg LM bearing



SASL45R215
45mm round stub axle 215mm 8.46 inches suits 1400kg SL bearing



SASL45S250
45mm square stub axle 250mm 9.84 inches suits 1400kg SL bearing



SASL45S305
45mm square stub axle 305mm 12 inches suits 1400kg SL bearing



SASL50S305
50mm square stub axle 305mm 12 inches suits 1400kg SL bearing



SALC50S293
50mm square stub 293mm 11.54 inches suits 2000kg HLLCNCG and HDLCNCG Or LM67048/10 and 25580/20 bearings



SALC65R360
65mm round stub 360mm 14.17 inches suits 2000kg HDLC2000NBG Or 15123 and HR30210 bearings

Solid 39mm Round – Suits LM/Holden Bearings – Maximum Capacity 750kg*



X = Available in natural or galvanised finish N = Natural finish only G = Galvanised finish only

SA39R1448 (X) 1448mm / 57-inches	SA39R1651 (X) 1651mm / 65-inches	SA39R1880 (X) 1880mm / 74-inches
SA39R1473 (X) 1473mm / 58-inches	SA39R1676 (X) 1676mm / 66-inches	SA39R1905 (X) 1905mm / 75-inches
SA39R1499 (X) 1499mm / 59-inches	SA39R1702 (X) 1702mm / 67-inches	SA39R1920 (X) 1920mm / 75.6-inches
SA39R1520 (X) 1520mm / 59.8-inches	SA39R1727 (X) 1727mm / 68-inches	SA39R1930 (X) 1930mm / 76-inches
SA39R1524 (X) 1524mm / 60-inches	SA39R1753 (X) 1753mm / 69-inches	SA39R1956 (X) 1956 mm / 77-inches
SA39R1549 (X) 1549mm / 61-inches	SA39R1778 (X) 1778mm / 70-inches	SA39R1981 (X) 1981mm / 78-inches
SA39R1575 (X) 1575mm / 62-inches	SA39R1803 (X) 1803mm / 71-inches	SA39R2007 (X) 2007mm / 79-inches
SA39R1600 (X) 1600mm / 63-inches	SA39R1829 (X) 1829mm / 72-inches	SA39R2040G 2040mm / 80.3-inches
SA39R1625 (X) 1625mm / 64-inches	SA39R1854 (X) 1854mm / 73-inches	SA39R2170G 2170mm / 85.4-inches

40mm Square – Suits LM / Holden Bearings – Maximum Capacity 1000kg*



X = Available in natural or galvanised finish N = Natural finish only G = Galvanised finish only

SA40S1448 (X) 1448mm / 57-inches	SA40S1829 (X) 1829mm / 72-inches	SA40S2170 (X) 2170mm / 85.4-inches
SA40S1473 (X) 1473mm / 58-inches	SA40S1854 (X) 1854mm / 73-inches	SA40S2184 (X) 2184mm / 86-inches
SA40S1499 (X) 1499mm / 59-inches	SA40S1880 (X) 1880mm / 74-inches	SA40S2210 (X) 2210mm / 87-inches
SA40S1524 (X) 1524mm / 60-inches	SA40S1905 (X) 1905mm / 75-inches	SA40S2235 (X) 2235mm / 88-inches
SA40S1549 (X) 1549mm / 61-inches	SA40S1920 (X) 1920mm / 75.6-inches	SA40S2261 (X) 2261mm / 89-inches
SA40S1575 (X) 1575mm / 62-inches	SA40S1930 (X) 1930mm / 76-inches	SA40S2286 (X) 2286mm / 90-inches
SA40S1600 (X) 1600mm / 63-inches	SA40S1956 (X) 1956 mm / 77-inches	SA40S2311 (X) 2311mm / 91-inches
SA40S1625 (X) 1625mm / 64-inches	SA40S1981 (X) 1981mm / 78-inches	SA40S2337 (X) 2337mm / 92-inches
SA40S1651 (X) 1651mm / 65-inches	SA40S2007 (X) 2007mm / 79-inches	SA40S2362 (X) 2362mm / 93-inches
SA40S1676 (X) 1676mm / 66-inches	SA40S2032 (X) 2032mm / 80-inches	SA40S2388 (X) 2388mm / 94-inches
SA40S1702 (X) 1702mm / 67-inches	SA40S2057 (X) 2057mm / 81-inches	SA40S2413 (X) 2413mm / 95-inches
SA40S1727 (X) 1727mm / 68-inches	SA40S2083 (X) 2083mm / 82-inches	SA40S2438 (X) 2438mm / 96-inches
SA40S1753 (X) 1753mm / 69-inches	SA40S2108 (X) 2108mm / 83-inches	SA40S2464 (X) 2464mm / 97-inches
SA40S1778 (X) 1778mm / 70-inches	SA40S2134 (X) 2134mm / 84-inches	
SA40S1803 (X) 1803mm / 71-inches	SA40S2159 (X) 2159mm / 85-inches	



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

AXLES

45mm Square – Suits Slimline / Ford Bearings – Maximum Capacity 1450kg*



X = Available in natural or galvanised finish N = Natural finish only G = Galvanised finish only

SA45S1448 (X) 1448mm / 57-inches	SA45S1829 (X) 1829mm / 72-inches	SA45S2159 (X) 2159mm / 85-inches
SA45S1473 (X) 1473mm / 58-inches	SA45S1854 (X) 1854mm / 73-inches	SA45S2170 (X) 2170mm / 85.4-inches
SA45S1499 (X) 1499mm / 59-inches	SA45S1880 (X) 1880mm / 74-inches	SA45S2184 (X) 2184mm / 86-inches
SA45S1524 (X) 1524mm / 60-inches	SA45S1905 (X) 1905mm / 75-inches	SA45S2210 (X) 2210mm / 87-inches
SA45S1549 (X) 1549mm / 61-inches	SA45S1920 (X) 1920mm / 75.6-inches	SA45S2235 (X) 2235mm / 88-inches
SA45S1575 (X) 1575mm / 62-inches	SA45S1930 (X) 1930mm / 76-inches	SA45S2261 (X) 2261mm / 89-inches
SA45S1600 (X) 1600mm / 63-inches	SA45S1956 (X) 1956 mm / 77-inches	SA45S2286 (X) 2286mm / 90-inches
SA45S1625 (X) 1625mm / 64-inches	SA45S1981 (X) 1981mm / 78-inches	SA45S2311 (X) 2311mm / 91-inches
SA45S1651 (X) 1651mm / 65-inches	SA45S2007 (X) 2007mm / 79-inches	SA45S2337 (X) 2337mm / 92-inches
SA45S1676 (X) 1676mm / 66-inches	SA45S2032 (X) 2032mm / 80-inches	SA45S2362 (X) 2362mm / 93-inches
SA45S1702 (X) 1702mm / 67-inches	SA45S2057 (X) 2057mm / 81-inches	SA45S2388 (X) 2388mm / 94-inches
SA45S1727 (X) 1727mm / 68-inches	SA45S2083 (X) 2083mm / 82-inches	SA45S2413 (X) 2413mm / 95-inches
SA45S1753 (X) 1753mm / 69-inches	SA45S2095 (X) 2095mm / 82.48-inches	SA45S2438 (X) 2438mm / 96-inches
SA45S1778 (X) 1778mm / 70-inches	SA45S2108 (X) 2108mm / 83-inches	SA45S2464 (X) 2464mm / 97-inches
SA45S1803 (X) 1803mm / 71-inches	SA45S2134 (X) 2134mm / 84-inches	

Overlay and Drop Axles

Overlay – Suits Ford Bearings – Maximum Capacity 1450kg*



Made to Order Based on Minimum Quantities

45mm Square

OA45S2185G	2185mm / 86-inches
OA45S2185HG	2185mm / 86-inches c/w hydraulic caliper mount
OA45S2390G	2390mm / 94-inches

50mm Square

OA50S2185G	2185mm / 86-inches
OA50S2390G	2390mm / 94-inches



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

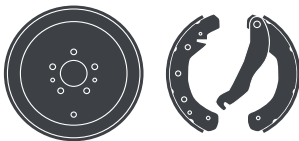
Axle Kit Fitted* – How to Order



***Options include:**

What brakes are needed?

- Mechanical disc or drum
- Hydraulic disc or drum
- Electric drum



Stud pattern

- Holden HT, HQ or Commodore
- Ford
- Landcruiser



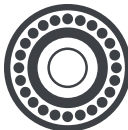
Axle

What is the total weight rating?



What bearings are needed?

- Holden LM bearings
- Ford slimline bearings
- Landcruiser bearings – (please stipulate the bearing part numbers)



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

FASTENERS

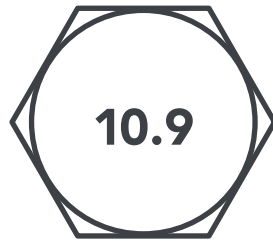
Bolt Specification – for indication purposes only based on up to ½-inch bolt



Grade 4.6
58,015 PSI



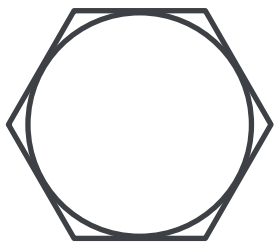
Grade 8.8
120,000 PSI



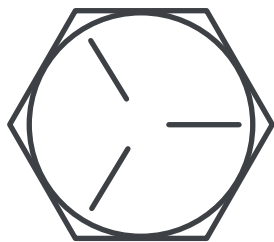
Grade 10.9
150,000 PSI



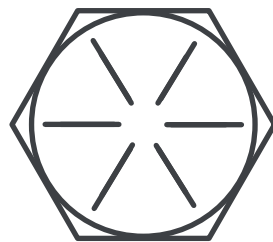
Grade 12.9
170,000 PSI



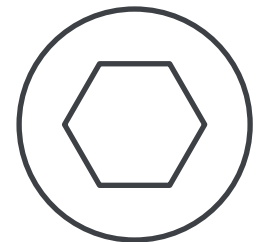
Non-marked
55,000 PSI



Grade 5
120,000 PSI



Grade 8
150,000 PSI



Socket Head Cap Screw
170,000 PSI

Bolts



Metric

- BMC8x30-4.6G** Bolt 8mm x 30mm grade 4.6 – galvanised
- BMC8x35-4.6G** Bolt 8mm x 35mm grade 4.6 – galvanised
- BMC10x40-4.6G** Bolt 10mm x 40mm grade 4.6 plastic mudguard bolts
- BMC12x115-8.8Z** Bolt 12mm x 115mm grade 8.8 – zinc
- BMC12x120-4.6G** Bolt 12mm x 120mm grade 4.6 suits 75mm wide handbrake – galvanised
- BMC12x160-8.8Z** Bolt M12 x 160mm coarse grade 8.8 bolt suits override coupling and 75mm x 75mm square tube combinations – zinc
- BMC12x185-8.8Z** Bolt M12 x 185mm coarse grade 8.8 bolt suits override coupling and 100mm x 100mm square tube combinations – zinc

Imperial

- BIF38x1-5Z** ¾-inch UNF bolt 1-inch long grade 5 zinc
- BIF716x1-5Z** 7/16-inch UNF bolt 1-inch long grade 5 zinc
- BIC12x112-8Z** ½-inch UNF bolt 1-½-inch grade 8 zinc

Miscellaneous Nuts and Washers Nyloc Nuts



- NNI38FZ** 3/8-inch UNF nyloc nut – zinc
- NNI716FZ** 7/16-inch UNF nyloc nut – zinc
- NNI12CZ** 1/2-inch UNC nyloc nut – zinc
- NNI12WG** 1/2-inch BSW nyloc nut – galvanised

- NNM8CG** M8 nyloc nut coarse – galvanised
- NNM10CG** M10 nyloc nut coarse – galvanised
- NNM12CG** M12 nyloc nut coarse – galvanised

Washers – Galvanised



- WASHM8G** M8 washer – galvanised
- WASHM10G** M10 washer for plastic mudguards – galvanised
- WASHM12G** M12 washer for U-bolts – galvanised
- WASHM22G** M22 washer for wobble rollers – galvanised

Spring Washer – Galvanised



- SWI716G** 7/16-inch Spring washer – galvanised

U-BOLTS

12mm or 1/2-inch BSW Round U-Bolts



UB1239100RGW	39 x 100 x 1/2-inch – galvanised
UB1239115RGW	39 x 115 x 1/2-inch – galvanised
UB1245127RGW	45 x 127 x 1/2-inch – galvanised
UB1245140RGW	45 x 140 x 1/2-inch – galvanised
UB1250130RGW	50 x 130 x 1/2-inch – galvanised
UB1260130RGW	60 x 130 x 1/2-inch – galvanised
UB1265100RGW	65 x 100 x 1/2-inch – galvanised

16mm or 5/8-inch BSW Round U-Bolts



UB1665160RGW	65 x 160 x 5/8-inch – galvanised
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10mm Square U-Bolts



UB102295SG	22 x 95 x 10mm – galvanised
UB102460SG	24 x 60 x 10mm – galvanised
UB10100110SG	100 x 110 x 10mm – galvanised

16mm Square U-Bolts



UB1645145SG	45 x 145 x 16mm – galvanised
UB1650170SG	50 x 170 x 16mm – galvanised
UB1665180SG	65 x 180 x 16mm – galvanised

12mm BSW Square U-Bolts – Galvanised



UB1240115SGW	40 x 115 x ½-inch	UB1250125SGW	50 x 125 x ½-inch	UB1275110SGW	75 x 110 x ½-inch
UB1240120SGW	40 x 120 x ½-inch	UB1250140SG	50 x 140 x 12mm	UB1275120SGW	75 x 120 x ½-inch
UB1240127SGW	40 x 127 x ½-inch	UB1250145SGW	50 x 145 x ½-inch	UB1275130SG	75 x 130 x 12mm
UB1240140SGW	40 x 140 x ½-inch	UB1250150SGW	50 x 150 x ½-inch	UB1275150SGW	75 x 150 x ½-inch
UB1245115SGW	45 x 115 x ½-inch	UB1250153SGW	50 x 153 x ½-inch	UB1290122SG	90 x 122 x 12mm
UB1245127SGW	45 x 127 x ½-inch	UB1250160SG	50 x 160 x 12mm	UB1210075SGW	100 x 75 x ½-inch
UB1245135SGW	45 x 135 x ½-inch	UB1250165SGW	50 x 165 x ½-inch	UB12100100SG	100 x 100 x 12mm
UB1245140SGW	45 x 140 x ½-inch	UB1255115SGW	55 x 115 x ½-inch	UB12100135SGW	100 x 135 x ½-inch
UB1245153SGW	45 x 153 x ½-inch	UB1255140SGW	55 x 140 x ½-inch	UB12100140SGW	100 x 140 x ½-inch
UB125080SGW	50 x 80 x ½-inch	UB126560SGW	65 x 60 x ½-inch	UB12100180SGW	100 x 180 x ½-inch
UB125082SG	50 x 82 x 12mm	UB127090SGW	70 x 90 x ½-inch	UB12100185SG	100 x 185 x 12mm
UB1250110SG	50 x 110 x 12mm	UB127575SGW	75 x 75 x ½-inch	UB1212577SG	125 x 77 x 12mm
UB1250110SGW	50 x 110 x ½-inch	UB127580SGW	75 x 80 x ½-inch	UB12125165SG	125 x 165 x 12mm
UB1250115SGW	50 x 115 x ½-inch	UB1275100SG	75 x 100 x 12mm	UB12125165SGW	125 x 165 x ½-inch
UB1250125SG	50 x 125 x 12mm	UB1275110SG	75 x 110 x 12mm	UB12150140SGW	150 x 140 x ½-inch

FISH PLATES



Suits 45mm Spring – Normal Hole – Galvanised

SAFP4540-1/2G

Standard – 45 x 40 x 8mm thick x 12mm hole

Suits 45mm Spring – Slotted Hole – Galvanised

SAFP453055-1/2SG

Slotted – 45 x 30-55 x 8mm thick x 12mm hole

SAFP454560-1/2SG

Slotted – 45 x 45-60 x 6mm thick x 12mm hole

Suits 50mm Spring – Slotted Hole – Galvanised

SAFP504550-81/2SG

Slotted – 50 x 45-50 x 8mm thick x 12mm hole

SAFP504550-101/2SG

Slotted – 50 x 45-50 x 10mm thick x 12mm hole

Suits 60mm Spring – Normal Hole – Galvanised

SAFP6065-5/8G

Standard – 60 x 65 x 12mm thick x 16mm hole

Suits 60mm Spring – Slotted Hole – Galvanised

SAFP604555-1/2SG

Slotted – 60 x 45-55 x 6mm thick x 12mm hole

SAFP60455510-1/2SG

Slotted – 60 x 45-55 x 10mm thick x 12mm hole

SAFP604550-5/8SG

Slotted – 60 x 45-50 x 12mm thick x 16mm hole

Special Plates

FP603560-1/2SG

Slotted – 60 x 35-60 x 8mm thick x 12mm hole – galvanised

FP13050-1/2SN

Special – 130 x 50 x 6mm thick x 12mm hole – natural

FPANGLE8HLSG

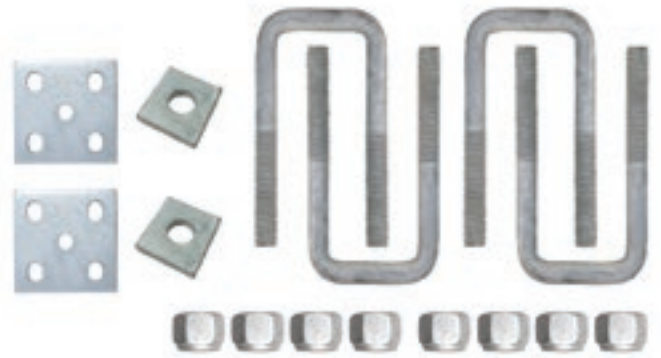
Special – 8 hole - 6 in body 2 in feet folded – galvanised
spaced – 50mm U-bolt

U-BOLT, FISH PLATE AND HANGER KITS

Single Axle Galvanised U-Bolt and Fishplate Kit – Natural Spring Pads – Suits 45mm Springs



UBKS-124539G
39mm round axle with 45mm springs



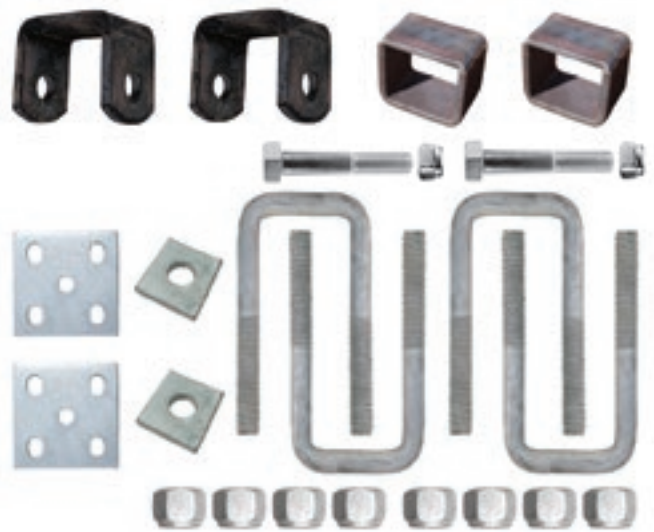
UBKS-124540G
40mm square axle with 45mm springs

UBKS-124545G
45mm square axle with 45mm springs

Single Axle Galvanised U-bolt and Fishplate Kit – Natural Spring Pads and Hangers – Suits 45mm Springs



UBKSSSH-124539G
39mm round axle with 45mm springs

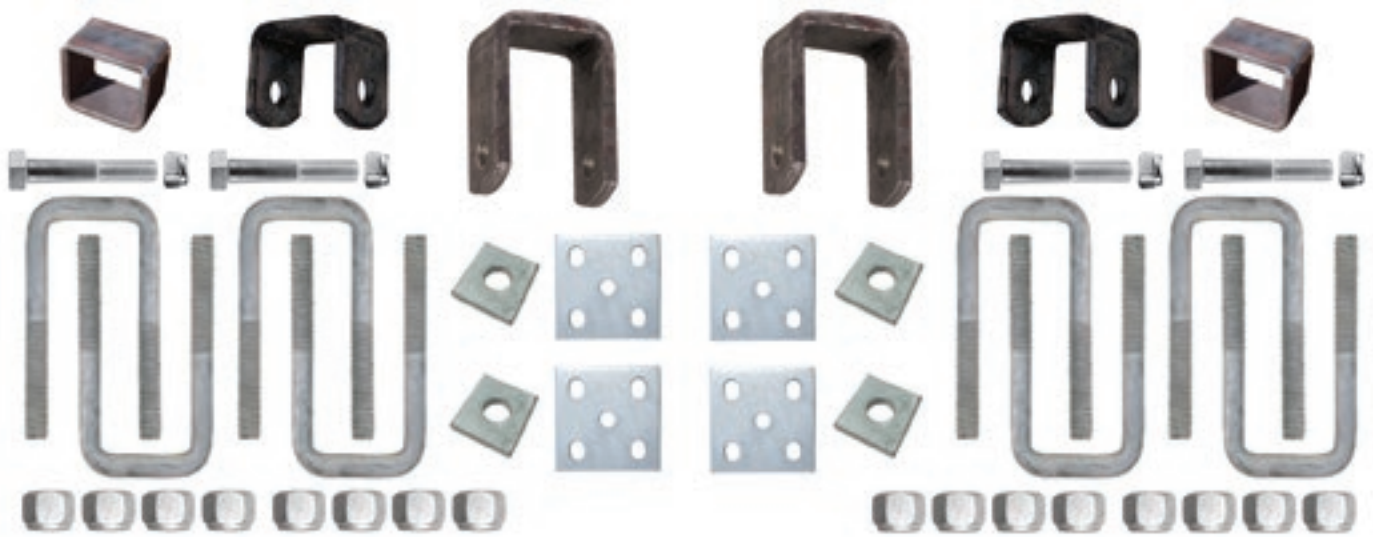


UBKSSSH-124540G
40mm square axle with 45mm springs

UBKSSSH-124545G
45mm square axle with 45mm springs

U-BOLT, FISH PLATE AND HANGER KITS

Tandem Axle Galvanised U-Bolt and Fishplate Kit – Natural Spring Pads and Hangers – Suits 45mm Springs



UBKTSSH-124539G
39mm round axle with
45mm slipper springs

UBKTSSH-124540G
40mm square axle with
45mm slipper springs

UBKTSSH-124545G
45mm square axle with
45mm slipper springs

Tandem Axle Galvanised U-Bolt and Fishplate Kit – Natural Spring Pads – Suits 60mm Springs



UBKT-166045G
45mm square axle with 60mm springs

UBKT-166050G
50mm square axle with 60mm springs

UBKT-166065G
65mm square axle with 60mm springs

TRAILER KITS

Single Axle Off-road Kit – including Electric Brakes*



*Options include:

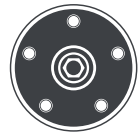
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Springs

1350kg springs (6 leaf)
1550kg springs (7 leaf)
1750kg springs (8 leaf)



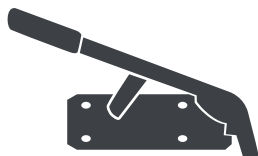
Axle

45mm square – Ford slimline
bearings 1450kg



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

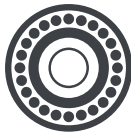
Single Axle Kit – including Mechanical Disc Brakes*



*Options include:

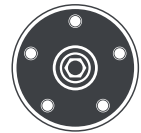
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Springs

1000kg springs
(5 leaf with LM axle)
1200kg springs
(6 leaf with slimline axle)
1400kg springs
(7 leaf with slimline axle)



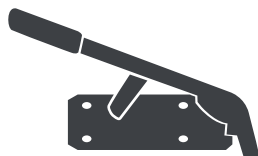
Axle

40mm square – Holden LM bearings 1000kg
45mm square – Ford slimline bearings 1400kg



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



Majority of finish?

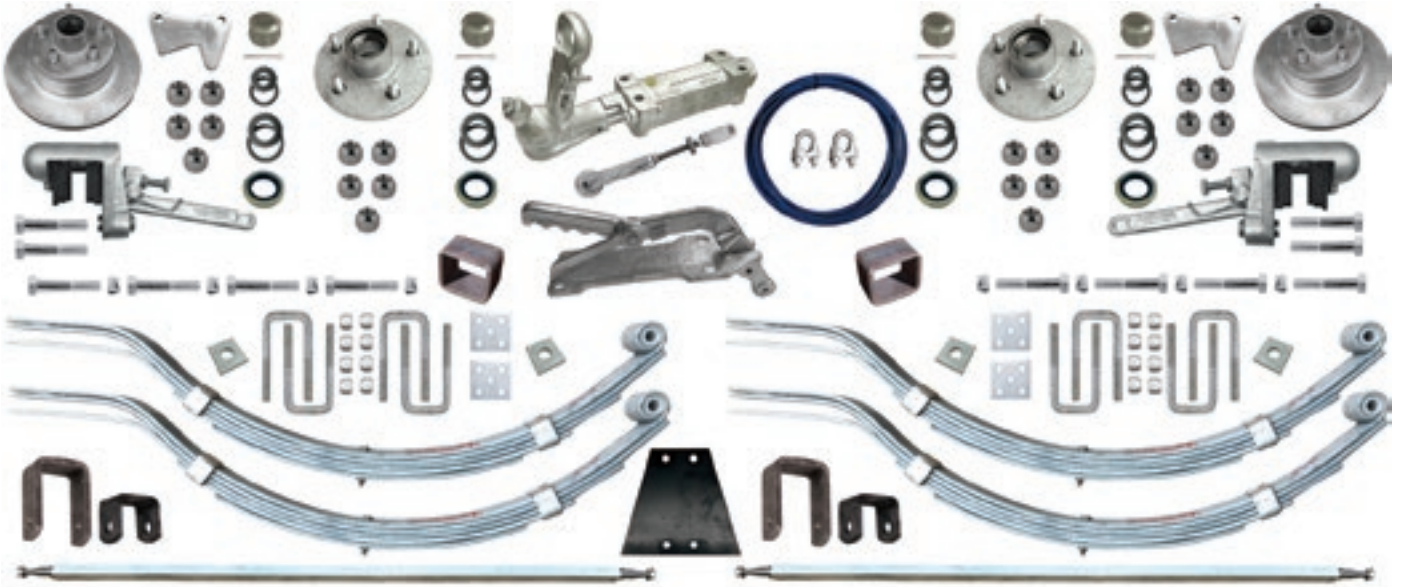
Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

TRAILER KITS

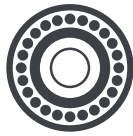
Tandem Slipper Axle Kit – including Mechanical Disc Brakes and Lazy Hubs*



*Options include:

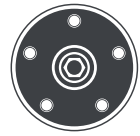
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Springs

1600kg springs (5 leaf)

1920kg springs (6 leaf)

2160kg springs (7 leaf)

A 20% safety factor for non-load sharing springs already deducted.



Axle

40mm square – Holden LM bearings 1600kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex.

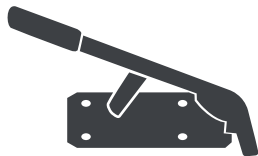


Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm

75mm

100mm



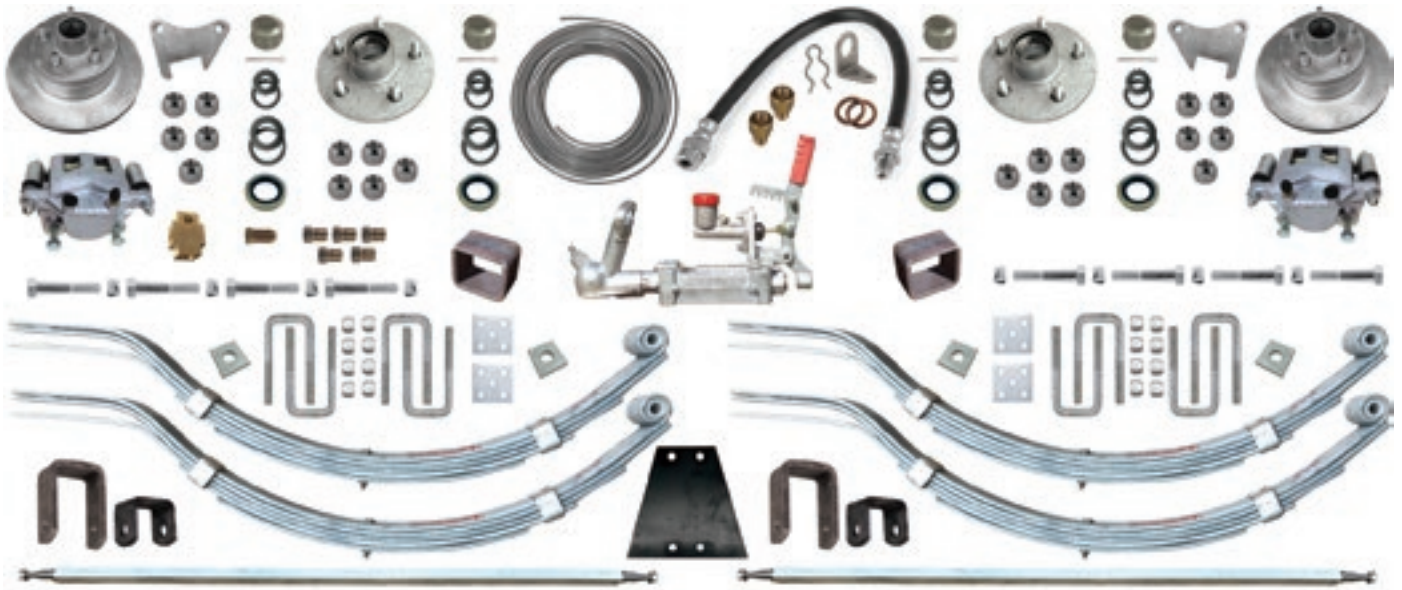
Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

Tandem Slipper Axle Kit – including Hydraulic Disc Brakes and Lazy Hubs*



*Options include:

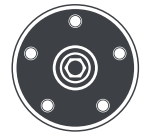
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Springs

1600kg springs (5 leaf)

1920kg springs (6 leaf)

2160kg springs (7 leaf)

A 20% safety factor for non-load sharing springs already deducted.



Axle

40mm square – Holden LM bearings 1600kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex



Majority of finish?

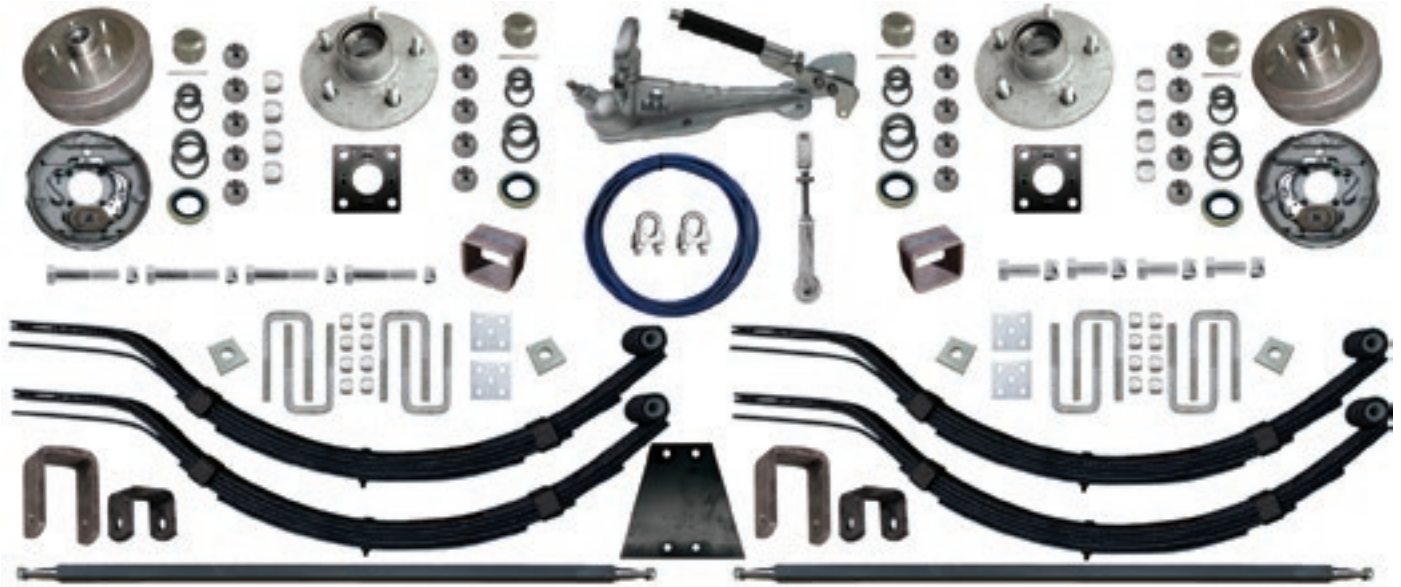
Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

TRAILER KITS

Tandem Slipper Axle Kit – including Electric Drum Brakes and Lazy Hubs*



*Options include:

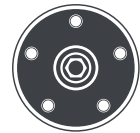
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Springs

1600kg springs (5 leaf)

1920kg springs (6 leaf)

2160kg springs (7 leaf)

A 20% safety factor for non-load sharing springs already deducted.



Axle

40mm square – Holden LM bearings 1600kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex.

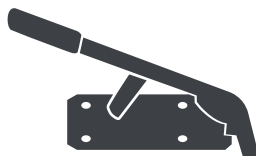


Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm

75mm

100mm



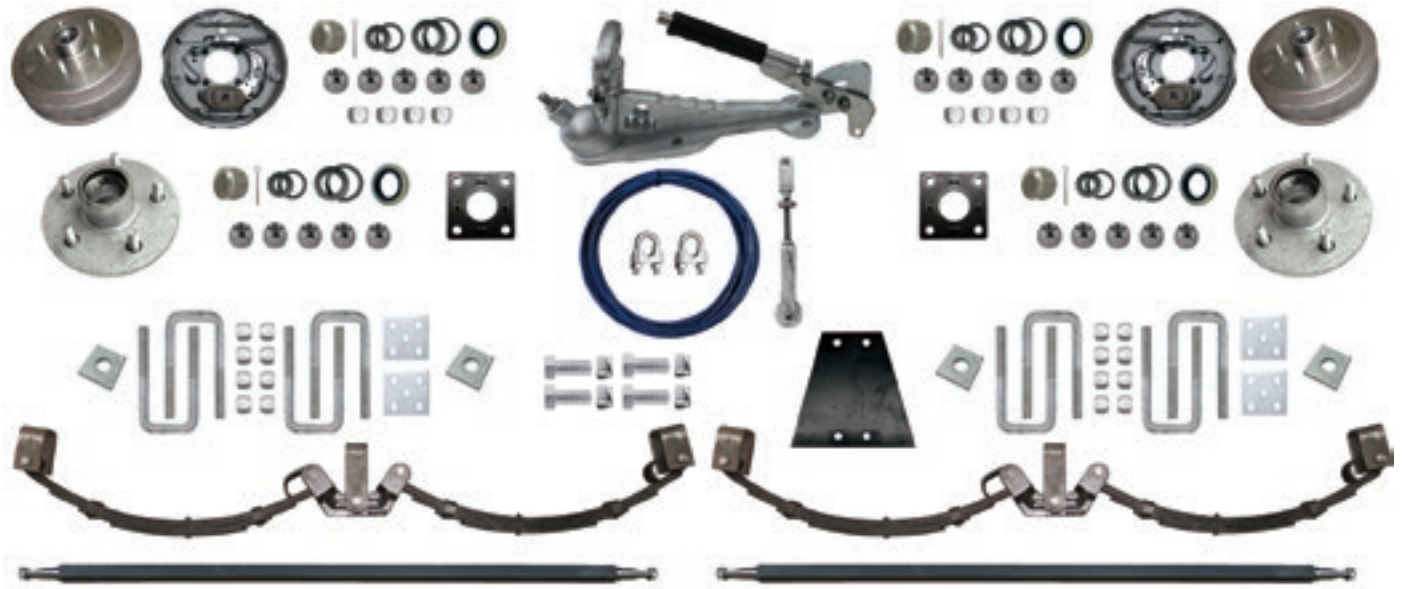
Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

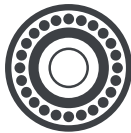
Tandem 5 Leaf Rocker Roller Kit – including Electric Drum Brakes and Lazy Hubs*



*Options include:

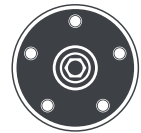
Bearings

Chinese / Premium



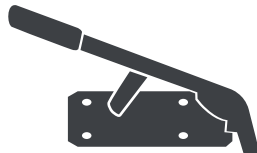
Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



Axle

40mm square – Holden LM bearings 2000kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex.



Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

TRAILER KITS

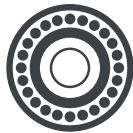
Tandem 5 Leaf Rocker Roller Kit – including Mechanical Disc Brakes and Lazy Hubs*



*Options include:

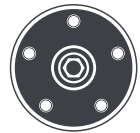
Bearings

Chinese / Premium



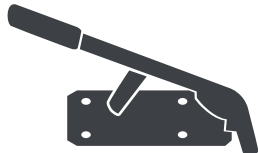
Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



Axle

40mm square – Holden LM bearings 2000kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex.



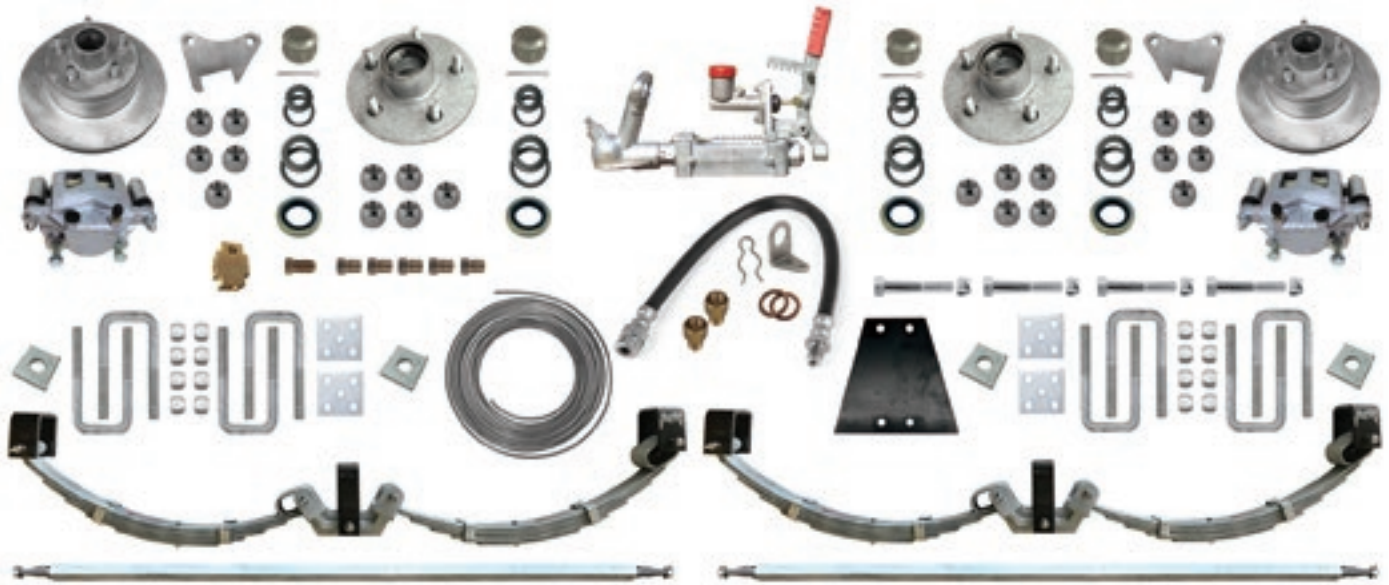
Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension. To upgrade for heavy duty applications, a hydraulic disc with braking on both axles can be provided.

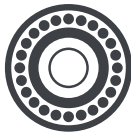
Tandem 5 Leaf Rocker Roller Kit – including Hydraulic Disc Brakes and Lazy Hubs*



*Options include:

Bearings

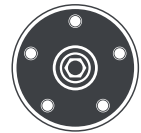
Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser

Landcruiser and Ford are stronger.



Axle

40mm square – Holden LM bearings 2000kg pair.

45mm square – Ford slimline bearings 2000kg pair.

For long axles, this is a better option – there is less flex.



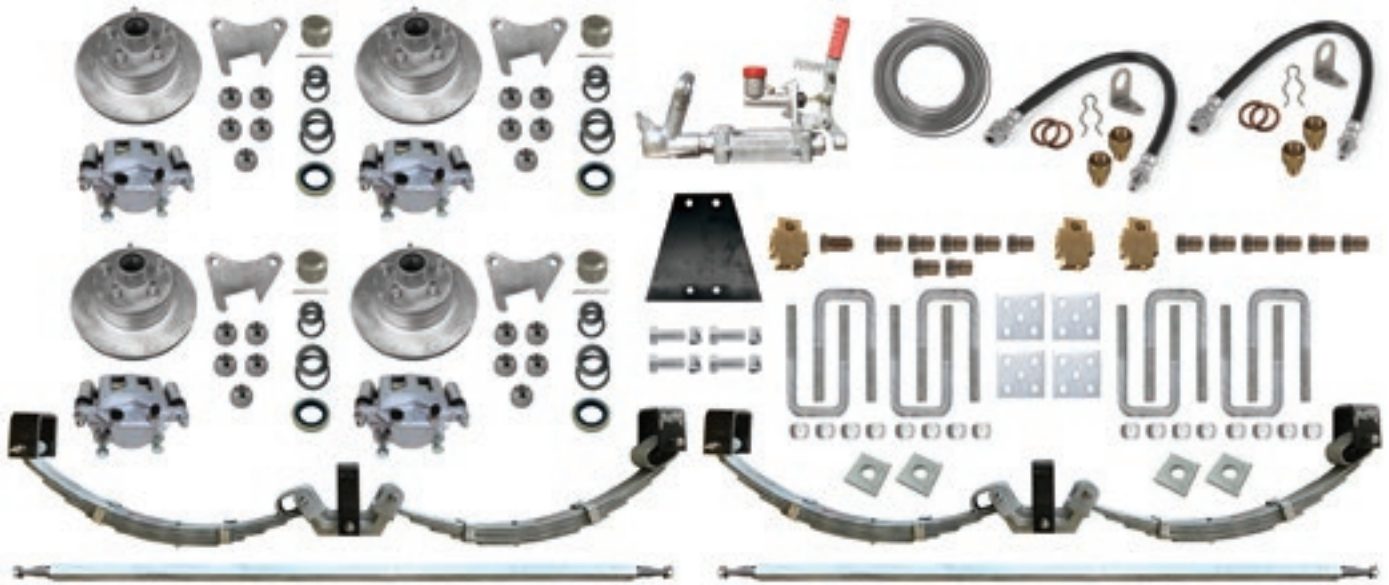
Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension. To upgrade for heavy duty applications, a hydraulic disc with braking on both axles can be provided.

Tandem Rocker Roller Kit – including Hydraulic Disc Brakes*

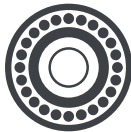


For capacities over 2000kg, an electric over hydraulic breakaway system and, either a 3500kg electric coupling or a 4500kg coupling is needed to complete this kit.

*Options include:

Bearings

Chinese / Premium



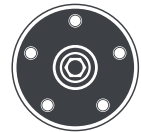
Stud pattern

Holden HT, HQ or Commodore

Ford

Landcruiser

Landcruiser and Ford are stronger.



Springs

2000kg springs (5 leaf)

2500kg springs (6 leaf)

3000kg springs (7 leaf)

3500kg springs (8 leaf)

4000kg springs (9 leaf)



Axle

45mm square axle has a maximum rating of 2900kg per pair.

50mm square axle has a maximum rating of 4000kg per pair.



Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



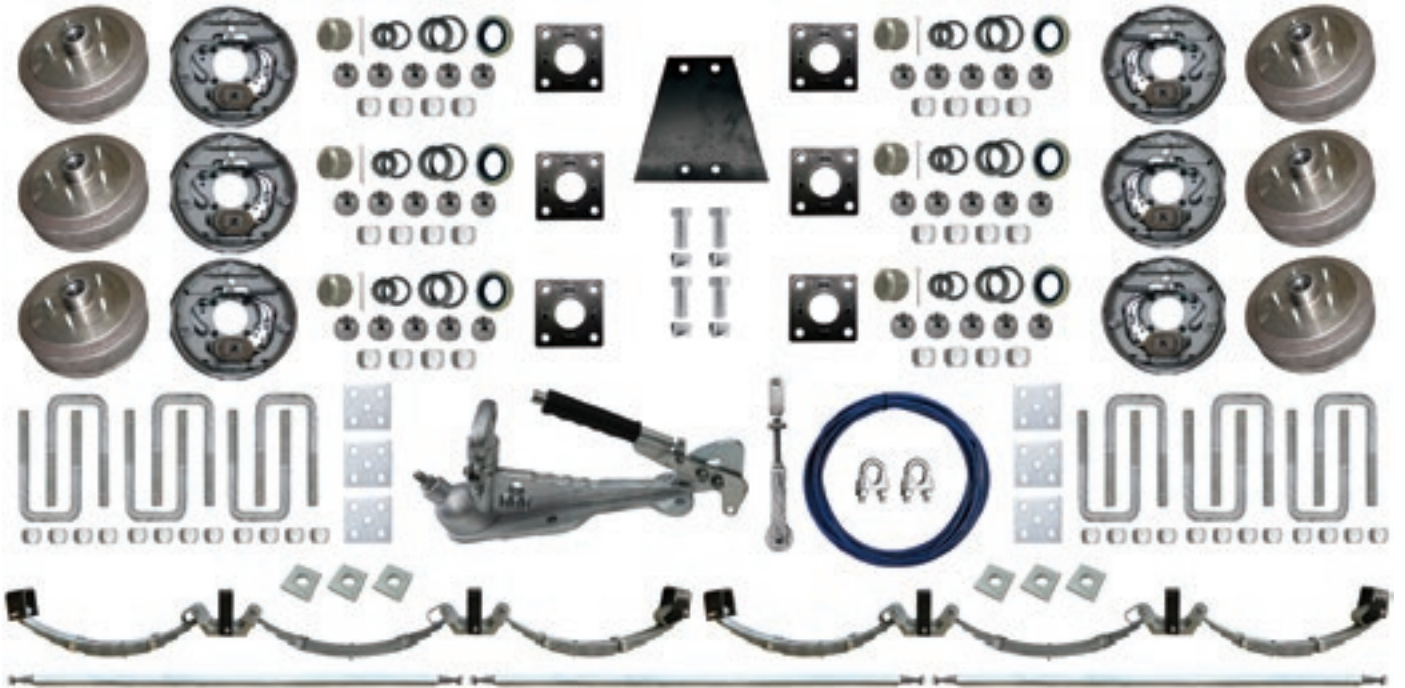
5/8-inch U-bolts are required for this kit.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension.

TRAILER KITS

Tri-axle Rocker Roller Kit – includes Electric Drum Brakes*



An electric breakaway system is a mandatory requirement and a coupling rated over 3500kg may be needed to complete this kit.

*Options include:

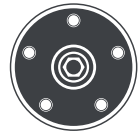
Bearings

Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser



Landcruiser and Ford are stronger.

Springs

2800kg Springs (5 leaf)
3500kg Springs (6 leaf)
4000kg Springs (7 leaf)
5000kg Springs (9 leaf)

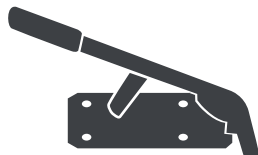


5/8-inch U-bolts are required for this kit.



Handbrake boat trailer or A-frame? For boat trailers, what width is the drawbar?

50mm
75mm
100mm



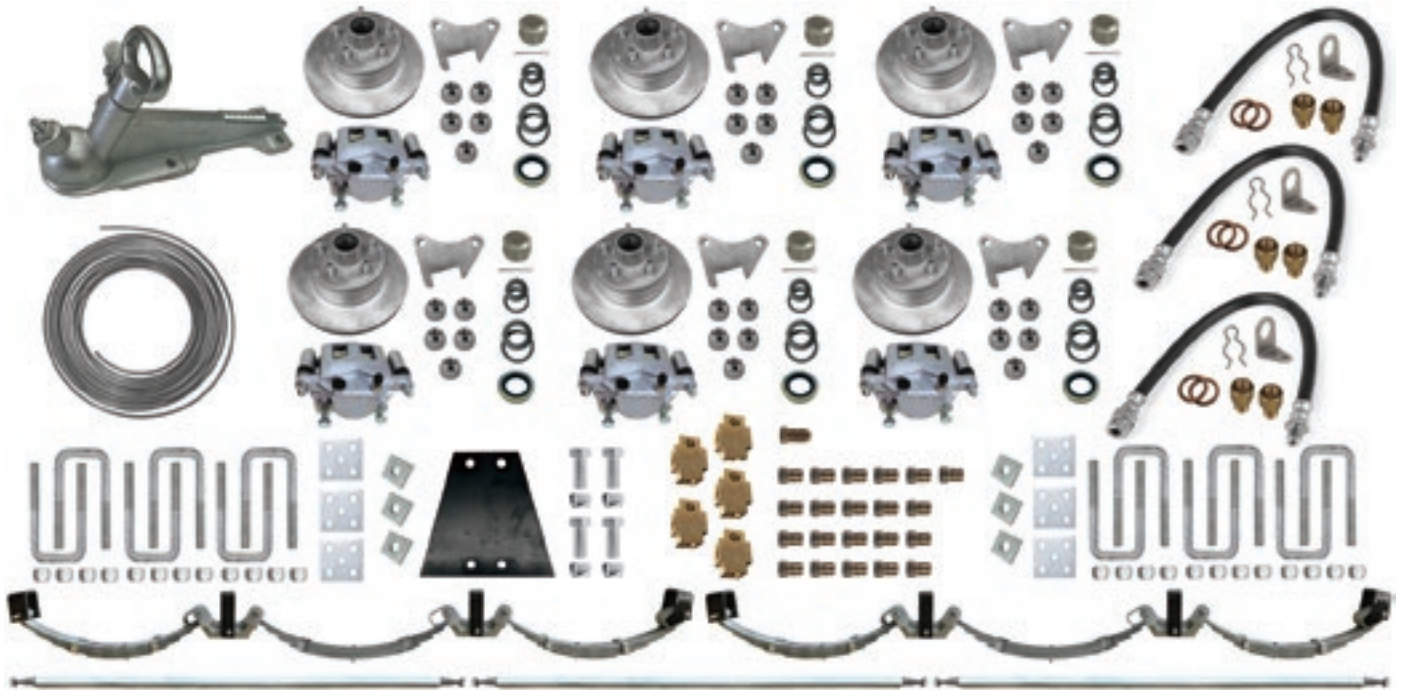
Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension. For any weights over 2000kg, 5/8-inch U-bolts are required. For weights over 4500kg, GVM is considered a light truck. Please consult the professional advice of a truck body builder or certified engineer.

Tri-axle Rocker Roller Kit – includes Hydraulic Disc Brakes*



An electric breakaway system is a mandatory requirement and a coupling rated over 3500kg may be needed to complete this kit.

*Options include:

Bearings

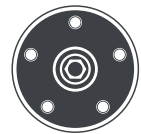
Chinese / Premium



Stud pattern

Holden HT, HQ or Commodore
Ford
Landcruiser

Landcruiser and Ford are stronger.



Springs

2800kg Springs (5 leaf)

3500kg Springs (6 leaf)

4000kg Springs (7 leaf)

5000kg Springs (9 leaf)



5/8-inch U-bolts are required for this kit.



Majority of finish?

Galvanised or Black – some items are not available in galvanised finish, such as hangers.



*** PLEASE NOTE:** If this is a new installation, you will be required to fill out an Axle Worksheet. There are extra clearances needed to fit, in some cases your customer may require wider mudguards and an axle extension. For any weights over 2000kg, 5/8-inch U-bolts are required. For weights over 4500kg, GVM is considered a light truck. Please consult the professional advice of a truck body builder or certified engineer.

MUDGUARDS

Steel Mudguards



MGP984TP4-1.6N

9-inch x 84-inch tandem mudguard plain 1.6mm

MGP991TP4-1.6N

9-inch x 91-inch tandem mudguard plain 1.6mm

MGP10P4-1.6N

10-inch Mudguard single steel plain 1.6mm

MGP1084TP4-1.6N

10-inch x 84-inch tandem mudguard plain 1.6mm



MGP1091TP4-1.6N

10-inch x 91-inch tandem mudguard plain 1.6mm

MG1196TP4-2N

11-inch x 96-inch tandem mudguard plain 2mm natural

MGP12P4-2N

12-inch Mudguard single steel plain 2mm

MG1296TP4-2N

12-inch x 96-inch tandem mudguard plain 2mm natural

Plastic Mudguards – 13-inch and 14-inch



MGP13G

13-inch grey plastic mudguard

MGP14G

14-inch grey plastic mudguard



MGP13B

13-inch black plastic mudguard

MGP14B

14-inch black plastic mudguard



MGP13W

13-inch white plastic mudguard

MGP14W

14-inch white plastic mudguard



13-inch

W13HTAG	13-inch HT galvanised c/w 155R13C tyre
W13HTAGW	13-inch HT galvanised and white powder coated c/w 155R13C tyre
W13FAG	13-inch Ford galvanised c/w 155R13C tyre
W13FAGW	13-inch Ford galvanised and white powder coated c/w 155R13C tyre
WA1350HTS165R13C	13-inch HT silver alloy c/w 165R13C tyre
WA1350HTBM165R13C	13-inch HT black alloy c/w 165R13C tyre

14-inch

W14HTAG	14-inch HT galvanised c/w 185R14C tyre
W14HTAGW	14-inch HT galvanised and white powder coated c/w 185R14C tyre
W14FAG	14-inch Ford galvanised c/w 185R14C tyre
W14FAGW	14-inch Ford galvanised and white powder coated c/w 185R14C tyre
WA1460HTS185R14C	14-inch HT silver alloy c/w 185R14C tyre
WA1460HTBM185R14C	14-inch HT black alloy c/w 185R14C tyre

7 Pin Plug and Socket Wiring Specifications



1	Left Hand Turn Signal	Yellow
2	Reversing Signal	Black
3	Earth or Ground	White
4	Right Hand Turn Signal	Green
5	Service Brakes	Blue
6	Stop Lamps	Red
7	Rear, Clearance & Side Marker Lamps	Brown



EAP7FNP
7 pin plastic flat plug with nut



EAS7FNP
7 pin plastic flat socket with nut



EAP7RLA
7 pin plug round large aluminium



EAP7RLP
7 pin plastic trailer plug, N type with screws on the body



EAS7RLA
7 pin aluminium trailer socket round style



EAS7RLFA
7 pin aluminium trailer socket side flat sides



EAS7RLFP
7 pin plastic trailer socket, N type side flat style



EAS7RLP
7 pin plastic trailer socket, N type round style



EAS7RLWP
7 pin plastic trailer socket with rubber ring for waterproof

Wiring, Cables and Pin Accessories



EA5CC10m
5 core cable 10 metre long

EA5CC6m
5 core cable 6 metre long



EA7CC10m
7 core cable 10 metre long



EA7CSC1m
7 core spring cable 1 metre long



EASEC2.5Mx2x7A
Max extendable 2.5M spiral electric cable with two 7 pin aluminium plugs



EAA7FP7RLSP
Adapter 7 pin flat plug with 7 pin round large socket



EAA7RLP7FSP
Adapter 7 pin round large plug with 7 pin flat socket



EALT7RP
7 pin trailer light tester



EA7PJB
7 pole trailer electrical junction box



EACL
Clearance light

ACCESSORIES

Safety Chains



CPL8LN

8mm 1600kg trailer safety chain tested and stamped per metre – natural

CPL8LG

8mm 1600kg trailer safety chain tested and stamped per metre – galvanized

CPL8-23LGAL

8mm 1600kg trailer safety chain tested and stamped 23 long links – galvanized

CPL10LN

10mm 2500kg trailer safety chain tested and stamped per metre – natural

CPL10LG

10mm 2500kg trailer safety chain tested and stamped per metre – galvanized

CPL13LN

13mm 3500kg trailer safety chain tested and stamped per metre – natural

CPL13LG

13mm 3500kg trailer safety chain tested and stamped per metre – galvanized

Bow and Dee Shackles



BS8x10YPG

8mm bow shackle 10mm yellow pin rated – galvanized

BS10x11YPG

10mm bow shackle 11mm yellow pin rated – galvanized

BS11x13YPG

11mm bow shackle 13mm yellow pin rated – galvanized

BS13x16YPG

13mm bow shackle 16mm yellow pin rated – galvanized

DS8x10YPG

8mm dee shackle 10mm yellow pin rated – galvanized

DS10x11YPG

10mm dee shackle 11mm yellow pin rated – galvanized

DS11x13YPG

11mm dee shackle 13mm yellow pin rated – galvanized

DS13x16YPG

13mm dee shackle 16mm yellow pin rated – galvanized

Locks, Latches and Compliance Plates



BOXARCWZ

Ani-rattle lock weld on



BOXARCTZ

Anti-rattle lock bolt on



BOXSLCZ

Spring bolt



BOXHTLN

Tail gate latch – left hand



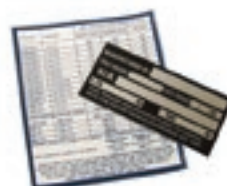
BOXHTRN

Tail gate latch – right hand



LATCHEZ

Latch



CPLATE-S

Compliance plate – small



CPLATE-L

Compliance plate – large

Gas Bottle, Jerry Can and Spare Wheel Carriers, Caravan Stay Handle and Drawer Slides



CVAGB9G
Gas bottle holder 9kg
– galvanised



JERRYCHG
Jerry can holder suits boat
trailers – galvanised



BBAC4
Breakaway coiled cable
with stainless hook



SPWCFG
Spare wheel carrier – suits Ford



SPWCHTG
Spare wheel carrier steel, suits HT – galvanised

SPWCHTSG
Spare wheel carrier small, suits HT – galvanised

SPWCHTRG
Rolled spare wheel carrier

SPWCHTLG
Spare wheel carrier large, suits HT – galvanised



CPTWHLG
Caravan stay handle



3306-60000PKCOSA
Drawer slide 45 x 12.7 x 600mm

BOAT ROLLERS AND SKIDS

Rubber Rollers to suit Fibreglass and Plastic Boats



BRB1475
3-inch bow roller assembly
– black rubber



BRB14100
4-inch bow roller assembly
– black rubber



PRR16100C
4-inch bow roller, 16mm hole
– black rubber



PRR16115C
4.5-inch bow roller, 16mm
hole – black rubber



PRR20150C
6-inch keel roller, 20mm hole
– black rubber



PRR16150S
6-inch Sydney roller, 16mm
hole – black rubber



PRR20200C
8-inch keel roller, 20mm hole
– black rubber



PRR25300D
12-inch dog bone roller,
25mm hole – black rubber

Soft Polly Rollers to suit Fibreglass and Plastic Boats



BRG1475
3-inch bow roller
assembly – golden



BRG14100
4-inch bow roller
assembly – golden



VBG16100
4-inch bow wedge,
16mm hole – golden



VBG20120
120mm bow wedge,
20mm hole – golden



PRG20150C
6-inch keel roller,
20mm hole – golden



PRG16150S
6-inch Sydney roller,
17mm hole – golden



PRG20200C
8-inch keel roller,
20mm hole – golden



PRG25300D
12-inch dog bone roller,
25mm hole – golden

BOAT ROLLERS AND SKIDS

Hard Polly Rollers to suit Aluminium Boats



PRH16115C

4.5-inch cotton roller,
16mm hole – blue hard plastic



PRH16150S

6-inch Sydney roller,
16mm hole – blue hard plastic



PRH20150C

6-inch cotton roller,
20mm hole – blue hard plastic



PRH20200C

8-inch cotton roller,
20mm hole – blue hard plastic



PRH20200S

8-inch Sydney roller,
20mm hole – blue hard plastic



PRH300

Blue skid 300mm long



WRB

Blue wobble roller,
22mm hole



WRG

Grey wobble roller,
22mm hole



BLUESKID15

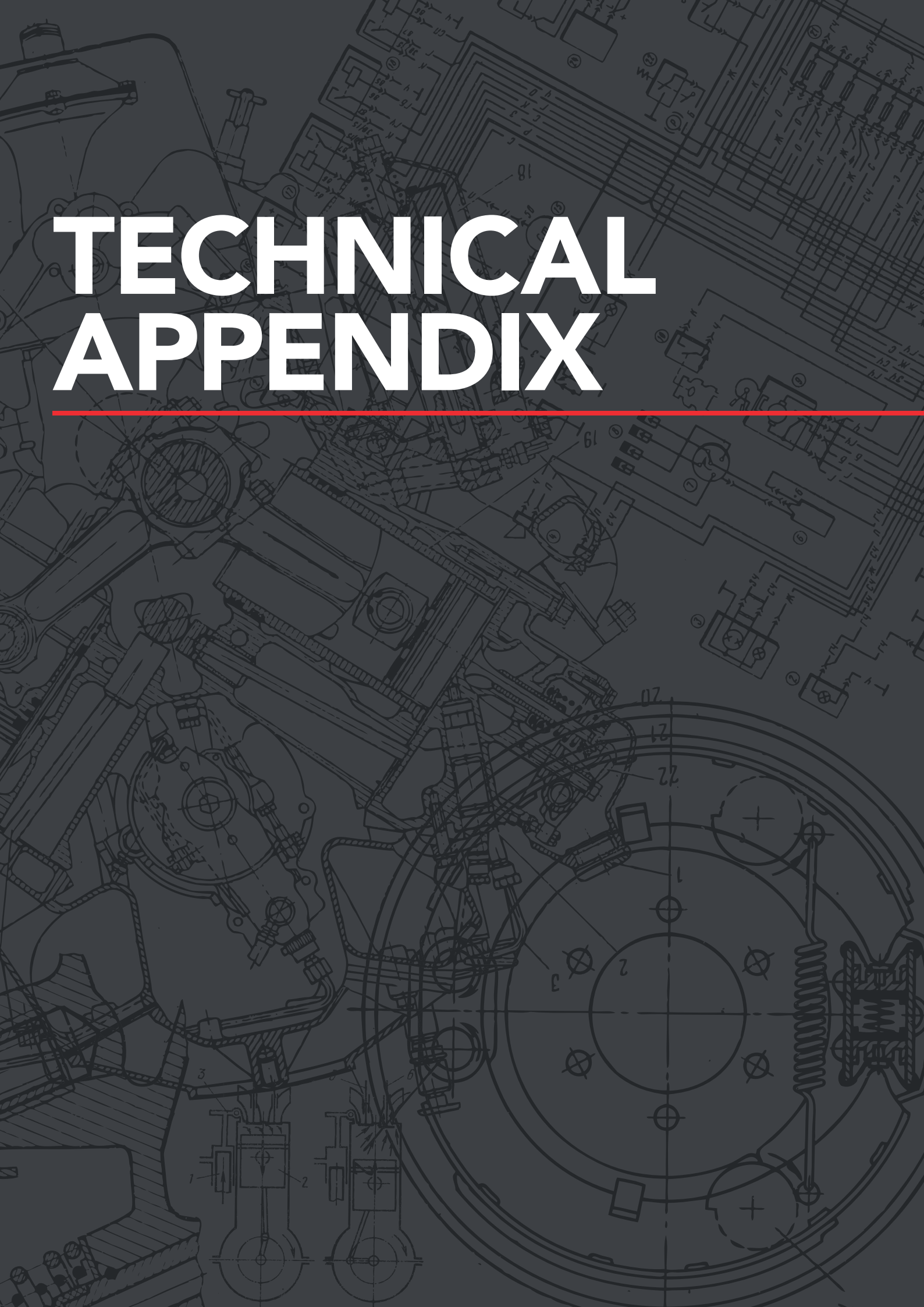
Blue Plastic Skid
Bunk 1.5m



BLUESKID18

Blue Plastic Skid
Bunk 1.8m

TECHNICAL APPENDIX



BEARING IDENTIFICATION

750kg to 1000kg Bearing Identification



LM/Holden

Typically fits: 750kg 39mm round and 1000kg 40mm square axles.

Outer smaller: LM11949 and LM11910 / Set 2 / Set A

Inner larger: LM67048 and LM67010 / Set 6 / Set B

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC	N/A	44.4mm
Split pin	SASPZ	N/A	4 x 32mm
Axle nut	SANUT3/4	¾-inch UNF	N/A
Washer	SAFWZ	19mm	37mm
Outer bearing	LM11949/10	19mm	44.4mm
Inner bearing	LM67048/10	31.8mm	58.7mm
Seal standard	28550	35.1mm	58.7mm
Seal non-standard	28560	37.5mm	58.7mm
Seal non-standard	28570	38.1mm	58.7mm
Seal non-standard	C6521/PR6521	38.1mm	58.7mm
Seal marine	82100	35.1mm	58.7mm
Seal marine non-standard	C6641/PR6641	37.3mm	58.7mm
Seal marine non-standard*	C6642/PR6642	38.1mm	58.7mm



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1300kg to 1450kg Bearing Identification



Ford / Slimline

Typically fits: 1300kg 45mm round axles, 1450kg 45mm or 50mm square axles

Outer smaller: L12749 and L12710 / Set 12 / Set E

Inner larger: L68149 and L68110 / Set 13 / Set F

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC	N/A	44.4mm
Split pin	SASPZ	N/A	4 x 32mm
Axle nut	SANUT3/4	¾-inch UNF	N/A
Washer	SAFWZ	19mm	44.4mm
Outer bearing	L12749/10	22.2mm	44.4mm
Inner bearing	L68149/10	35.1mm	58.7mm
Seal standard	28550	42.9mm	58.7mm
Seal marine*	82100	42.9mm	58.7mm



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1200kg to 1300kg Bearing Identification



Composite Ford outer and Holden inner – mainly found in caravans

Typically fits: 1200kg 40mm square and 1300kg 45mm square axles

Outer smaller: L12749 and L12710 / Set 12 / Set E

Inner larger: LM67048 and LM67010 / Set 6 / Set B

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC	N/A	44.4mm
Split pin	SASPZ	N/A	4 x 32mm
Axle nut	SANUT3/4	¾-inch UNF	N/A
Washer	SAFWZ	19mm	44.4mm
Outer bearing	L12749/10	22.2mm	44.4mm
Inner bearing	LM67048/10	31.8mm	58.7mm
Seal standard	28550	35.1mm	58.7mm
Seal non-standard	28560	37.5mm	58.7mm
Seal marine*	82100	35.1mm	58.7mm



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

H30 Bearing Identification



Typically fits: 45 Square Axle
Outer smaller: 30205
Inner larger: 30207

	Meher Part Number	Inside Diameter(mm)	Outside Diameter (mm)
Dust cap	HADC52	N/A	52mm
Split pin	SP4x40	N/A	4 x 32mm
Axle nut	–	7/8-inch UNF	N/A
Washer	–	–	–
Outer bearing	30205	25mm	52mm
Inner bearing	30207	35mm	72mm
Seal standard	–	–	–
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

900kg Parallel Bearing Identification



USA Parallel can be hub 8-91A - BT8 Spindle

Outer smaller: L44643 and L44610

Inner larger: L44643 and L44610

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	-	N/A	-
Split pin	-	N/A	-
Axle nut	-	-	N/A
Washer	-	-	-
Outer bearing	L44643/10	25.4mm	50.29mm
Inner bearing	L44643/10	25.4mm	50.29mm
Seal standard	34823	31.7mm	50.4mm
Seal non-standard	-	-	-
Seal marine*	-	-	-

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1500kg Parallel Bearing Identification



ESS / Parallel

Typically fits: 1500kg 45mm square and 1600kg 50mm square axles

Outer smaller: L68149 and L68110

Inner larger: L68149 and L68110

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC-63	N/A	–
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	L68149/10	35.1mm	58.7mm
Inner bearing	L68149/10	35.1mm	58.7mm
Seal standard	28600	42.9mm	58.7mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1550kg Parallel Bearing Identification



USA Parallel – BT8 Spindle

Outer smaller: L44643 and L44610

Inner larger: L44643 and L44610

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	–	N/A	–
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	L44649/10	26.99mm	50.29mm
Inner bearing	L44649/10	26.99mm	50.29mm
Seal standard	10-60/15192TB	31.7mm	50.4mm
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1500kg Bearing Identification



Typically fits: 1500kg axles
 Outer smaller: LM67048 and LM67010
 Inner larger: LM29749 and LM29710

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC-63	N/A	63mm
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	LM67048/10	31.75mm	59mm
Inner bearing	LM29749/10	38.1mm	65.06mm
Seal standard	10-60/15192TB	50.9mm	68.96mm
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

1800kg Bearing Identification



Typically fits: USA 1800kg – D35
 Outer smaller: L44610 and L44649
 Inner larger: L68149 and L68111

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	–	N/A	–
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	L44649/10	26.99mm	50.29mm
Inner bearing	L68149/11	34.98mm	59.97mm
Seal standard	–	–	–
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

USA D44 Bearing Identification



Typically fits: USA D44
 Outer smaller: LM67048 and LM67010
 Inner larger: L68149 and L68111

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	–	N/A	–
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	LM67048/10	31.75mm	59mm
Inner bearing	LM68149/11	34.98mm	59.97mm
Seal standard	–	–	–
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

TB500 2000kg Bearing Identification



Typically fits: TB500 2000kg 50mm Round Axles
 Outer smaller: 30308
 Inner larger: 15123 and 15245

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	-	N/A	-
Split pin	-	N/A	-
Axle nut	-	-	N/A
Washer	-	-	-
Outer bearing	15123/245	31.75mm	62mm
Inner bearing	30308	40mm	90mm
Seal standard	-	-	-
Seal marine*	-	-	-

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

H40 Bearing Identification



Typically fits: 50mm square axle
 Outer smaller: 30206
 Inner larger: 30208

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC63	N/A	63mm
Split pin	SP5x50	N/A	5 x 50mm
Axle nut	–	1-inch UNF	N/A
Washer	–	–	–
Outer bearing	30206	30mm	62mm
Inner bearing	30208	40mm	80mm
Seal standard	–	–	–
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

HD50 Bearing Identification – 2000kg @ 25km/h



Typically fits: 63mm square axle
 Outer smaller: 30308
 Inner larger: 15123 and 15245

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	033.767.060	N/A	N/A
Split pin	SP5x50	N/A	5 x 50mm
Axle nut	–	M27 x 2	N/A
Washer	–	–	–
Outer bearing	32206	30mm	62mm
Inner bearing	32209	45mm	85mm
Seal standard	–	–	–
Seal marine*	–	–	–

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

FAD50 Bearing Identification



Typically fits: 50mm square axle
 Outer smaller: 30206
 Inner larger: 30209

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC62	N/A	62mm
Split pin	SP4x40	N/A	4 x 40mm
Axle nut	–	24mm x 1.5mm	N/A
Washer	–	–	–
Outer bearing	30206	30mm	62mm
Inner bearing	30209	45mm	85mm
Seal standard	–	54mm	85mm
Seal ring	033.505.010	45.5mm	54mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

2000kg Bearing Identification



Typically fits: 2000kg Landcruiser HDLCNCG disc and HLLCNCG lazy hub

Outer smaller: LM67048 / LM67010

Inner larger: 25580 / 25520 or A511

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC-63	N/A	63mm
Split pin	SASP3.5X50Z	N/A	4 x 50mm
Axle nut standard	SANUT1x14	N/A	1-inch UNS – 14TPI
Axle nut	SANUT1x12	N/A	1-inch UNF – 12TPI
Washer	SAFW25X44Z	25mm	44mm
Outer bearing	LM67048/10	31.75mm	59.10mm
Inner bearing	25580/20	44.45mm	82.87mm
Seal standard	33940	–	–
Seal standard	64190	–	–
Seal marine	82130	45mm (stretches tight)	85.5mm
Seal marine*	NAK9262	45mm (stretches tight)	85.5mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

2000kg Bearing Identification



Typically fits: USA 2000kg Landcruiser suits 12-inch drum 2T – D60 drum
 Outer smaller: 15123 / 15245
 Inner larger: 25580 / 25520

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	–	N/A	–
Split pin	–	N/A	–
Axle nut	–	–	N/A
Washer	–	–	–
Outer bearing	15123/45	31.75mm	61.99mm
Inner bearing	25580/20	44.45mm	82.93mm
Seal standard	33940	48.5mm	85.5mm
Seal marine*	82130	48.5mm	85.5mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

TB500 3000kg Bearing Identification



Typically fits: Mackay TB500 3000kg
 HDLC2000G 2000kg Landcruiser 6 stud disc

Outer smaller: 15123 / 15245

Inner larger: HR30210

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC-63	N/A	63mm
Split pin	–	N/A	–
Axle nut	–	–	–
Washer	–	–	–
Outer bearing	15123/15245	31.75mm	61.95mm
Inner bearing	HR30210	50mm	89.96mm
Seal standard	64607	60.3mm	89.96mm
Seal marine*	12636	60.3mm	89.96mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

BEARING IDENTIFICATION

3000kg Bearing Identification



Typically fits: 3000kg axles
 Outer smaller: LM29749 and LM29710
 Inner larger: HR30210

	Meher Part Number	Inside Diameter (mm)	Outside Diameter (mm)
Dust cap	HADC-76	N/A	76mm
Split pin	-	-	-
Axle nut	-	1-¼-inch UNF	-
Washer	-	-	-
Outer bearing	LM29749/10	38.1mm	65.1mm
Inner bearing	HR30210	50mm	89.96mm
Seal standard	64607	60.3mm	89.96mm
Seal marine*	-	60.3mm	89.96mm

Specifications available on request



*** PLEASE NOTE:** All marine seals to be greased prior to fitment – if not greased, it will not turn properly and can cause the seal to spin on the axle.

How to Calculate Trailer Weight and Brakes*



TRAILER WEIGHT + CARRYING WEIGHT = OVERALL TRAILER WEIGHT

Weight Range

0kg – 750kg

750kg – 1000kg

1000kg – 1200kg

1200kg – 1450kg

1450kg – 1665kg

1665kg – 2000kg

2000kg – 4500kg

Brake Requirement

Does not require brakes.

Requires brakes on 1 axle – single axle.

Requires brakes on 1 axle – single axle or tandem.

Requires brakes on 1 axle – single axle or tandem.

Requires brakes on 1 axle – single axle or tandem, (*may require brakes on both*).

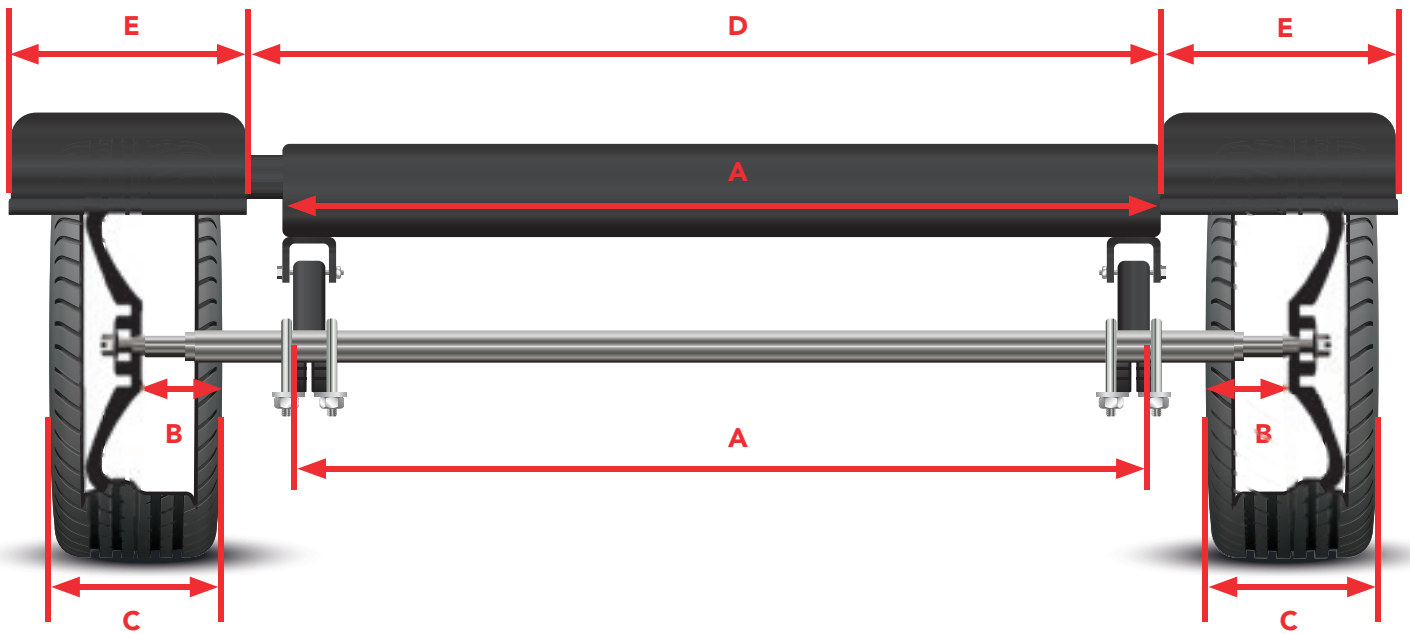
Requires brakes on 1 axle – tandem, (*may require brakes on both*).

Requires brakes on all axles and an additional breakaway system and an in-car controller. The breakaway must also be wired so it can be charged and the voltage of the breakaway battery to be displayed in the car.



*** PLEASE NOTE:** Please refer to Vehicle Standards Bulletin VSB01 for the most up to date information on regulations.

AXLE AND BRAKE WORKSHEET



Measurements Required*

Write your measurements in the space below.

A
Spring to spring –
outside to outside
(whichever is widest).

B
Hub face to tyre offset.
* Check both are
the same.

C
Overall width of
the tyre.
* Check both are
the same.

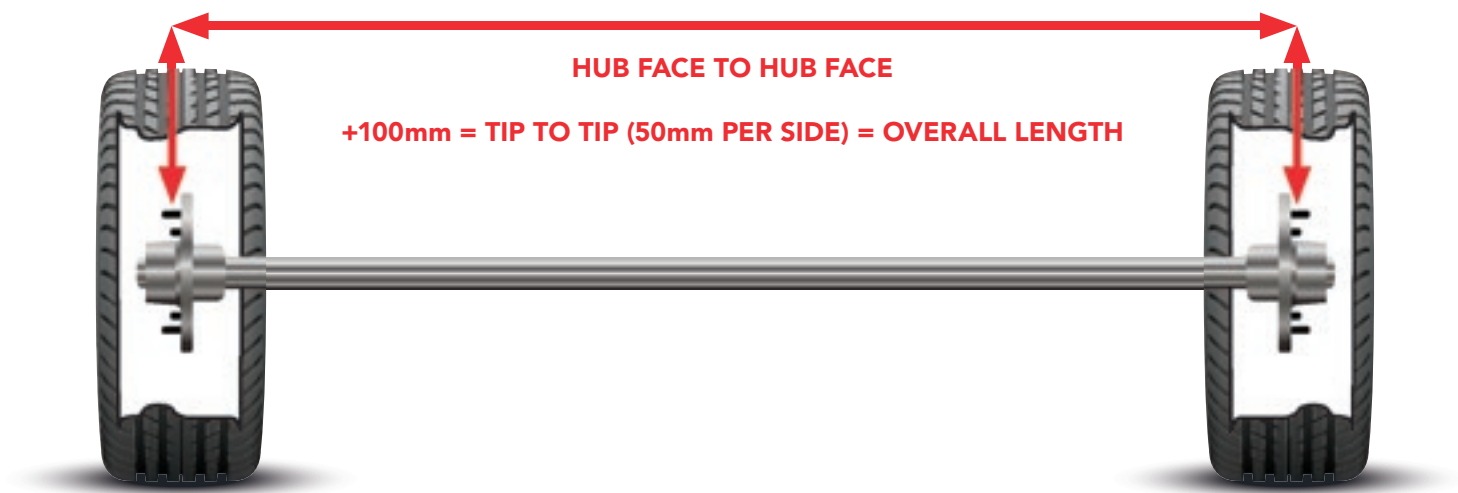
D
Inside of right hand
mudguard to inside of
left hand mudguard.

E
Inside of mudguard to
inside of mudguard.
* Check both are
the same.



*** PLEASE NOTE:** For unbuilt trailers, purchase the wheels and tyres first. We require measurements B and C. Then tell us the preferred overall width of the chassis.

Axle Length – Holden LM / Ford SL Measurement Guide*



*** PLEASE NOTE:** When changing rims and tyres, always fill out an axle worksheet.

Axle Terminology

- Overall Length:** The distance from tip of axle to tip of axle, bare.
- Hub Face:** The face where the hub touches the rim.
- Main Chassis:** The main frame or skeleton that holds everything together.
- Sub-frame:** A secondary chassis that bolts to the main chassis. It normally runs length-ways across the width of the main chassis. Most trailers do not have a sub-frame.

BRAKE SELECTION

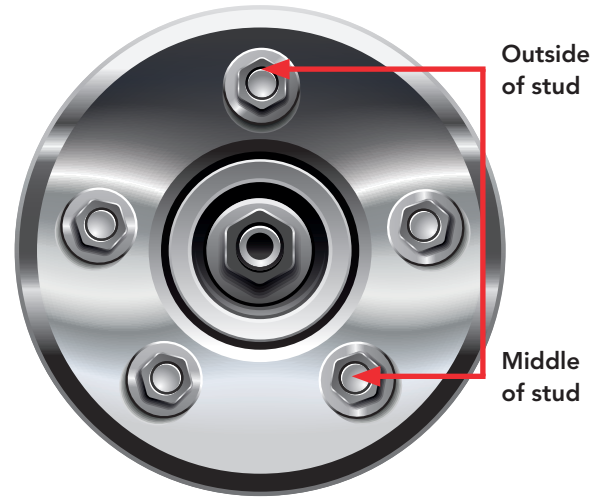
Brake Selection by Trailer Weight*

Weight	Brakes required and how many axles	Breakaway	Brake Choices
0kg to 750kg	No	No	–
750kg to 2000kg	Brakes on 1 axle, possibly required on both.	Breakaway system – optional.	Electrical Drum Mechanical Disc / Drum Hydraulic Disc / Drum
2000kg to 4500kg	Brakes on all axles.	Breakaway system – required.	Electrical Drum Hydraulic Disc



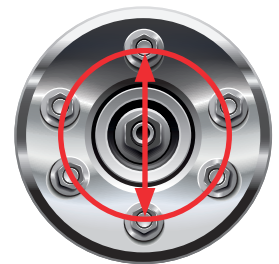
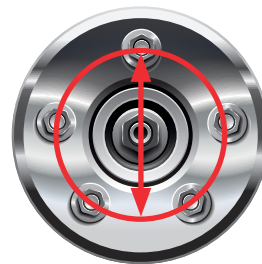
*** PLEASE NOTE:** This is a quick reference only and does not show everything required for your trailer. Please consult the VSB01 for more and most recent up to date information.

How to measure a Pitch Circle Diameter – PCD



PCD – Pitch Circle Diameter

An easier way to measure a 5 Stud Hub



3 Stud

4 Stud

5 Stud

6 Stud

Common Car Rim Stud Patterns*

Stud Pattern	Thread	Studs	PCD (mm)
Gemini	7/16-inch UNF	4	100
Mini	7/16-inch UNF	4	101.6
Toyota	7/16-inch UNF	4	114.3
HT Holden	7/16-inch UNF	5	107.95
HQ Holden	7/16-inch UNF	5	120.65
Commodore	7/16-inch UNF	5	120
Ford	1/2-inch UNF	5	114.3
Landcruiser	1/2-inch UNF	6	139.7
Landcruiser 5 Stud	9/16-inch UNF	5	150
Land Rover	5/8-inch UNF	5	165.1



*** PLEASE NOTE:** Even though original equipment for cars are metric threads, hubs in the Australian trailer industry have been standardised to use UNF threads. Alloy wheel nuts to suit with UNF threads should be readily available from a local automotive retailer.

RIM TO TYRE OFFSET

The Importance of Rim Offset

Figure 1.

There is a small gap between the inside of the tyre and the spring compared with **Figure 2**. This shows the difference between a deep rim offset and shallow rim offset.

Figure A and Figure B.

Figure A and Figure B demonstrate how the rim offset can affect where the tyre sits within a mudguard and how mudguard, brake and tyre combinations need to be perfect so customers don't run out of space.

Figure B.

Figure B's solutions could be a combination of:

1. Change to wider mudguards
2. Space the mudguards off the chassis
3. Change rim offsets



Figure 1.

Figure A.

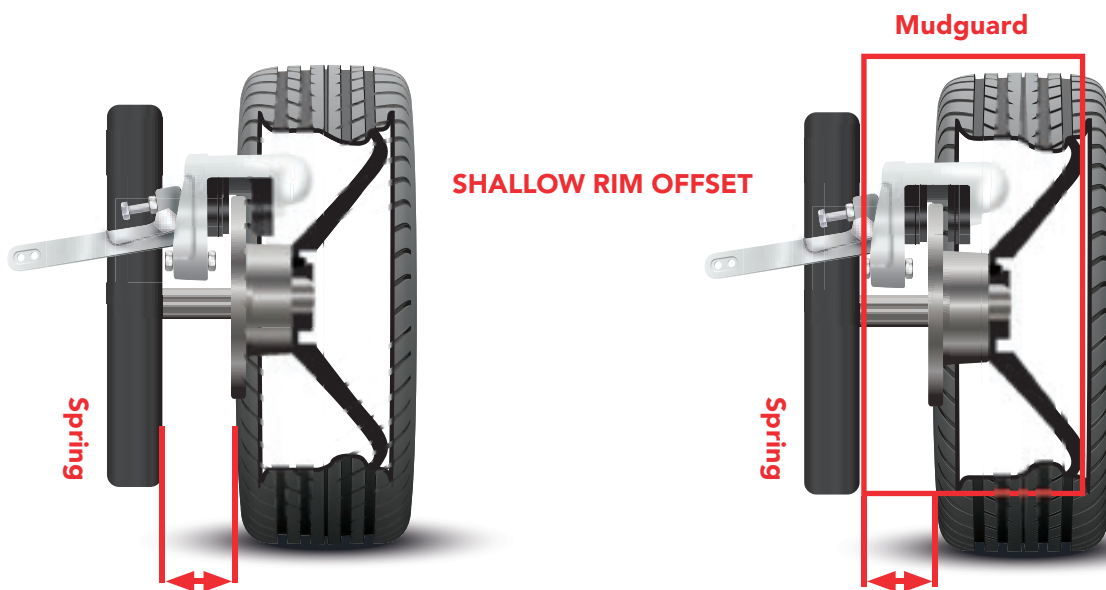


Figure 2.

Figure B.

RULES AND REGULATIONS

Regulations VSB01, ADR and State Rules

This is a guide for trailers up to a gross weight of 4.5 tonne. It is up to the trailer manufacturer to build their trailer to current regulations and manufacture it in a way that is safe for all of the community.

Basic things you need to know:

VSB01 – Vehicle Standards Bulletin

For the most up to date information, this is generally available through an internet search.

ADR – Australian Design Rules

These are the rules manufacturers must adhere to. You need to make sure that you are not receiving a product that does not comply, in particular, when considering imported trailers. Lighting and couplings are the main offenders – make sure the trailer complies before purchasing.

The axle and springs can be hard to get as a spare for imported trailers. In the case of a breakdown, we can make a package to change over the trailer to the most common complying Australian axle, springs, coupling and tail light configurations.

Every state carries their own rules and regulations. Please contact the road authority in the appropriate state directly to obtain the most up to date information.

Below are some examples:

VIC Vic Roads – Trailers under a certain size and weight do not have to be registered. Vic Roads recommends a trailer be registered in Victoria with them before travelling interstate, but it needs to be registered to travel interstate to comply to their state rules.

ACT Department of Infrastructure and Regional Development

NSW Roads and Maritime Services

QLD Department of Transport and Main Roads

SA Department of Planning Transport and Infrastructure

NT Department of Transport Northern Territory

WA Department of Transport Western Australia

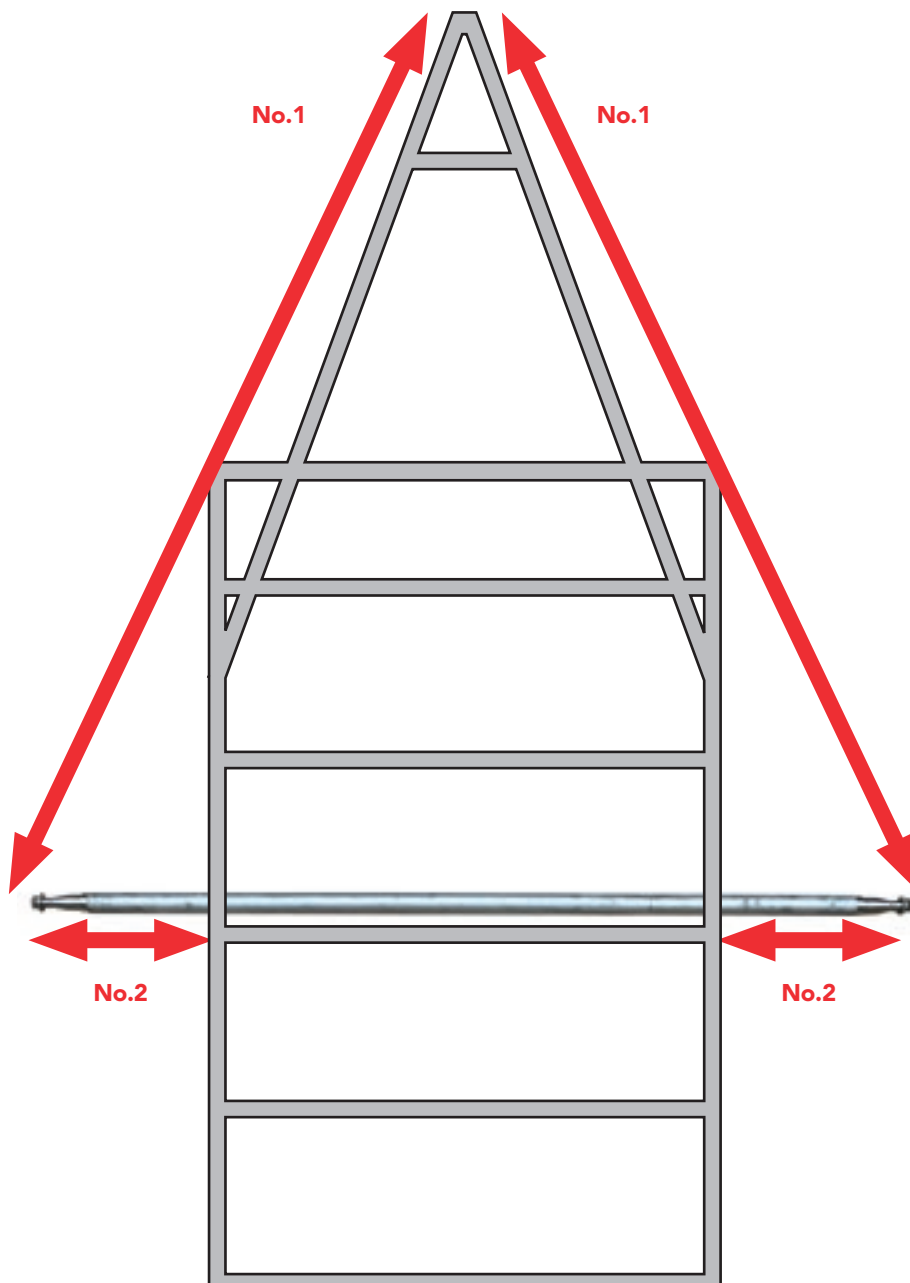
STRAIGHT TOWING TRAILERS

Making a Trailer Tow Straight and Causes of Pendulum Swing

When fitting the axle, please ensure that both **No.1** arrows are the same distance and both **No.2** arrows equal the same distance. Having a slightly out of square chassis isn't the end of the world as long as these dimensions are correct. These two dimensions are critical to a straight towing trailer.

If this has been done and the trailer continues to sway, the next thing to check is if there is too much rear weight i.e. pendulum swing. This is a common problem on boat trailers, usually caused by a heavy rear mounted outboard motor with too much weight at the rear.

To correct this, shift the whole axle and spring setup further towards the rear until it stops swaying. If this then causes too much downward force on the tow ball, the next solution is to convert the trailer to a tandem or a tri-axle setup. This will give the trailer a broader axle area and more stability.



Top 11 Things to Watch for When Building a Trailer:

1. Brakes

The type of brake fittings need to comply with VSB01 Standard as well as practical uses. For example, an override coupling would not be recommended for 4WD use as the braking cannot be controlled when travelling up and down steep roads causing it to shunt off and on. Trailer weight will also affect the type of brakes needed.

2. Mudguards

These need to be selected based on the diameter of the outside of the tyre as well as the width. The wrong mudguard and tyre width combination can cause the tyres to fit outside of the mudguards. Please allow room between the hubface and chassis to fit brakes.

3. Overall Width

Leave enough room for accessories. 15mm wide clearance lights can make a trailer exceed the maximum legal width of 2500mm. Also caravan accessories, such as awnings, can push this dimension past its legal limit.

4. Height

Consider height limitations such as bridges and the height of garage roller doors to fit the trailer. Be careful that the trailer isn't too top heavy or is made unstable from wind.

5. Stability

Avoid, at all costs, putting heavy items too far to the back of the trailer – behind the rear axle. Too much rear weight can unexpectedly make the trailer sway violently out of control. The heaviest items going into the trailer should be placed in the centre and slightly toward the front of the trailer, without compromising the weight down-force on the tow ball. Leave enough weight allowance to account for additional items such as tool boxes already on the drawbar, and other items and accessories.

6. Axle Centre Position and Tow Ball Down-force

Position the axles as far back as possible. The further back the axles are, the more stable the trailer will be. However, be aware that moving the axle too far back can cause the load in the trailer to overload the tow ball down-force limit as well. A combination of both of these is required to ensure everything is aligned.

7. Length and Overhang

Avoid making the trailer too long. When choosing to make a trailer longer, rather than wider, be mindful of rear overhang. There is a limit to how long a standard trailer can be made, so please be mindful of your trailer length. Consider choosing a tri-axle setup as it decreases the overhang past the rear axle and increases stability and spreads the centre weight, creating less down-force on the tow ball.

8. Weight

Make sure the towing vehicle can handle the tow ball down-force as well as the pulling weight. For details related to trailer weight and engineering requirements, please consult VSB01 or an engineer.

9. Corrosive Environment

Do you need to use galvanised or Zinc Tech parts?

10. Width and Driver Fatigue

Avoid making the trailer too wide, where possible. Towing wider trailers requires a higher level of concentration than usual, this can cause fatigue.

11. Chassis Clearance for Wheels

Leave enough room for chassis clearance inside the mudguards. Often customers end up having to alter the chassis width or compromise on their favourite alloy wheels because they have purchased the wrong combination of wheels, mudguards and brakes.

Give yourself some extra space when building, or enquire first. A 10-inch wide mudguard (260mm) will not fit a 250mm wide tyre – this leaves only 10mm between the tyre and the chassis, which is not enough. This could lead to the tyre rubbing out on the chassis.

Below is the **minimum** formula that should be used for standard rims for the tyres to be flush with the outside of the mudguard.

260mm	Wide tyre
+ 25mm	Inner mudguard to tyre clearance (40 – 50mm for 4WD).
+ 5mm	Outside mudguard to outside of tyre clearance.
<hr/>	
290 mm	Minimum mudguard width.

Allow another 10 – 20mm on the outside, if possible. A wider gap can also be used toward the front.

Not working it out on paper or not consulting an expert is the difference between an easy, professional job and one which is troublesome.

FREQUENTLY ASKED QUESTIONS

Q: I don't have my rims yet, but I want to buy my axle, can you help me select the correct axle?

A: Sorry we are unable to help supply the correct axle until we have all the information on the Axle Worksheet. It is very critical that we capture the correct details from the outset otherwise, in most cases, you will end up with the wrong size rim. It is important to step through this process in the correct sequence as there are too many rim offset, tyre and mudguard width variations.

Q: What is the best stud pattern to use and why?

A: Studs are the weakest point of a trailer. Knowing this, we always suggest using the Landcruiser stud pattern if possible. The second suggestion is to use the Ford stud pattern followed by Holden.

The summary below explains stud sizing and how stud correspond with each pattern:

Landcruiser stud patterns

6 studs ½-inch studs (12.7mm) – Strongest

Ford stud patterns

5 studs ½-inch studs (12.7mm) – Strong

Holden stud patterns

5 studs 7/16-inch studs (11mm) – Lighter

We would suggest using 4-stud for very light duty work only. Please be aware that we do not sell brakes to suit.

Q: I want to put the best bolt in my spring hanger should I use a quality high tensile bolt?

A: No. A high tensile bolt will not flex under shock loads, they are brittle and snap rather than providing the slight flex that is required. If you really want to use a thicker bolt, drill your hanger hole and your nylon bush (if not too worn) to 9/16-inch or 5/8-inch and use a thicker, non-high tensile bolt – these are also available in greaseable for 45mm and 60mm springs.

Make sure you can get the right size bolt first – please enquire for further assistance.

Q: My trailer and load combination is just over 2-tonne, will that be okay to use with override brakes?

A: No. The maximum limit for override brakes is 2-tonne. Using these brakes over this limit will void any warranty on your trailer parts.

Q: What can I do, the hub seal has worn a groove where it rubs on the axle?

A: There are two easy ways you can overcome this problem.

1. Buy a speedy sleeve from your local bearing shop, or,
2. Use a marine seal as the marine seal turns on itself – one half is connected to the axle; the other half is connected to the hub (this is often more cost effective too).

Q: My marine seal pops away from the sealing area on a 39mm round axle, how do I stop this happening?

A: With a 39mm round axle there is only a 1-2mm lip to stop the seal from popping off. If you want to stop it permanently, change it over to a 40mm square axle – the larger tabs of the square parts of the axle will stop movement, or switch to a standard seal.

Q: When fitting disc brakes do you need to have extra room between the tyre and the spring?

A: In most cases, yes. Disc brakes and some drums can protrude outside of the rim and if the mudguards or axle is not long or wide enough the brakes can hit your spring making them impossible to fit. Additionally, if your tyres extend past the width of the mudguard, your trailer will be considered unroadworthy and un-registerable.

Q: I have 9-inch mudguards which are mounted directly to the chassis and I want to put disc brakes onto the trailer. Can this combination work?

A: In most cases no, as the minimum mudguard width for using brakes is normally 10-inches. There is a lot that you need to have perfectly aligned to be able to fit discs under 10-inch mudguards.

If the 9-inch mudguards were spaced off the chassis by at least an inch, the tyre was no wider than the mudguard and the rim to tyre offset was the right sizing, this may provide a solution.

Q: What happens if I overload my trailer?

A: Common ramifications will be that couplings, hubs and brakes start to show signs of damage. Further to this, wheel studs can begin to abnormally fatigue and possibly fail.

A combination of overloading and or corrugated roads are a sure sign of a disaster waiting to happen.

The override coupling can also begin to wear excessively. The override coupling is designed to be used up to a total of 2000kg. Use over this weight rating can see the body sliding mechanism begin to act like a slide hammer – this is common on overloaded trailers.

It is important to note that this coupling should not be used on an off-road trailer as the brakes will be continuously shunted off and on. This significantly increases the likelihood of premature brake and coupling failure.

We would highly recommend using 10-inch or 12-inch electric drums with an in-car controller for off-road use.

Q: Can I use rocker roller springs for off-road use?

A: No. Rocker roller springs are not suitable for off-road use.

Q: What springs should I use for off-road?

A: For light duty, single axle camper trailers and standard single axle trailers our anti-rebound off-road springs are perfect.

For more serious off-road work, we suggest going to a system with independent suspension and no axle.

For heavy duty tandem configurations, we would recommend seeking advice from a suspension specialist.

Q: Should I use grease to stop corrosion inside my boat trailer wheel nuts?

A: No, this is not recommended.



PLEASE NOTE: We can recommend using wheel nuts that are closed on one end and Loctite low strength thread locker. Do not use medium or high strength, you may not get them off again without using heat and this may compromise the stud strength.

HOW TO ORDER

Shop

If you need help choosing the correct product, please call us and one of our friendly customer service representatives will help you.

Once you have chosen your items, please fill out the form on the next sheet, and email, fax or phone it through.

Ordering

Phone: + 61 3 8795 7088

Fax: + 61 3 8774 2034

Email: sales@themehergroup.com

We will advise any shortages and costs of freight (*if applicable*).

Backorders will not be charged for until they arrive, and will be sent out free into store.

Custom or non-stocked items will need to be pre-paid (*unless otherwise agreed*).

Payment Methods and Faster Processing

Cash

Account

Cheque

Bank Deposit

In all instances, we will attempt to ship your order the same business day as the receipt of your funds. Some banks can transfer instantly, others can take up to 3 days depending on your financial institution.

If you are urgently requiring parts, deposit directly at a Westpac branch and the funds should go in straight away. The same applies if you bank with them and complete a phone or internet transfer.

The quote will have our banking details at the bottom of the page. Please use the invoice number as a banking reference and call us once this is done. This is so we can start packing your shipment, ready for the next despatch.

Delivery

Using your freight

Please advise your account number.

Using our freight

We have done the best to get the cheapest freight available and will charge this to the bottom of your invoice. For stock shipments, we will supply free into store based on a minimum order spend, where you are located and the details that have been negotiated.



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