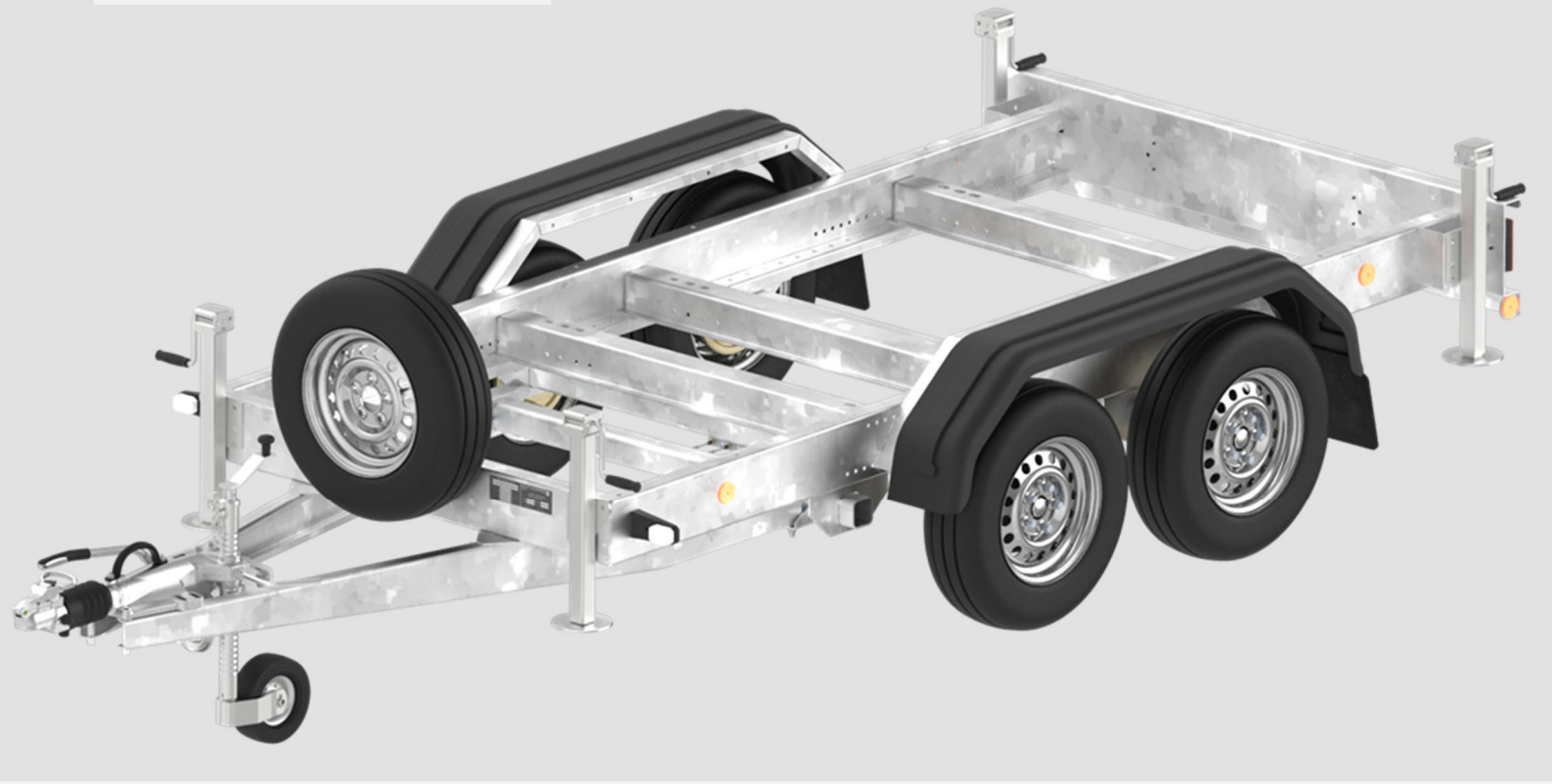
KNOTT

Type Approved

ROLLING CHASSIS



750kg to 3500kg Type Approved Chassis

O1 Unbraked Single Axle
O2 Braked Single Axle
O2 Braked Tandem Axle

The Original Rolling Chassis Solution!

- Options from 750kg - 3500kg (GVW)
- Moveable axles and cross members available
- Built in the UK, approved for use in the UK and the EU
- 20 years proven in-service reliability
- Unbraked or braked
- Single or tandem axle
- Fully galvanised frame
- Wide range of frame sizes - one off or volume production
- Optional extras available
- Flexible mounting options
- Bespoke designs for generators, compressors, bowsers and other removable loads

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technical@knottuk.com
www.knottuk.com

From individual components through running gear assemblies to fully Type Approved chassis, which Knott-Avonride pioneered, we have solutions for all trailerised plant and equipment applications.

Since 29th October, 2014, all trailers entering service need to be approved; there are no longer any exceptions.

The UK does not currently operate a registration scheme. Entering service is generally considered to be the point of sale at which the end user first uses the trailer on the road.

Knott-Avonride offers three distinct running gear / chassis solutions:-

T-Bar Running Gear	Called so as the drawbar and axle are connected in a letter "T" format, these assemblies combine all the elements of individual components but in built up form onto which the manufacturer can build their equipment. Type Approval remains the responsibility of the builder but all documentation is available to support any Type Approval submissions.
Couplings, Drawbars & Axles	These are the most common components selected by the trailer builder who fits them to their product. For individual components see our 'Trailer Components & Accessories' catalogue (KF032). Type Approval remains the responsibility of the builder but all documentation is available to support any Type Approval submissions.
Chassis Frame	Complete rolling chassis ready for use either as a generic frame customised to suit the unit being carried or as a bespoke frame built specifically to suit a particular unit. These are fully approved and no further action is needed.

Knott-Avonride chassis frames are Type Approved as complete vehicles in their own right, exactly like standard commercial goods trailer. They satisfy all the elements of the Legislation and can be towed directly from the factory - with or without any payload.

As complete Approved vehicles Knott-Avonride chassis are ideally suited to manufacturers and end users alike.

Engineering support and application engineering is provided as part of the service.

Apart from the legal constraints on overhanging load dimensions there are no size limitations on what might be carried on the chassis.

The stability of the unit, including any load, falls in exactly the same criteria as any normal goods carrying trailer.

The method of securing any load is not specified within the legislation; whether ratchet straps, twist locks or bolting, all are equally acceptable.

Constructed from standard Knott components spare parts are readily available across the UK and Europe.

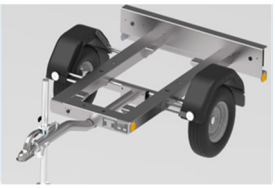
All chassis include Type Approval Certification and are recorded on our database in accordance with UK and EU Law.

To avoid misinterpretation, any final sales invoice should clearly show two separate items - the chassis and the burden.

In summary, Knott-Avonride chassis solutions:-

- **Are complete vehicles in their own right. Provided that any load is readily removable and the chassis remains road legal, they can be used without any further accreditation.**
- **Can be configured to exactly interface with the load within the approvals giving a bespoke integrated appearance.**
- **May be used as the basis for a fixed body of equipment, but will require a complete vehicle approval before being put in to service.**
- **Can be used as a basis for a design which is outside the existing type approval and which is then submitted for an individual approval.**

1 O1 Unbraked Single Axle - Internal Mounting

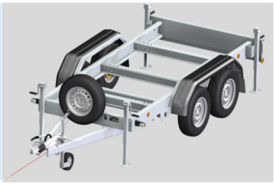


2 O1 Unbraked Single Axle - Top Mounting

3 O2 Braked Single Axle - Internal Mounting

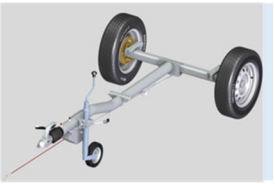
4 O2 Braked Single Axle - Top Mounting

5 O2 Braked Tandem Axle - Internal Mounting



6 O2 Braked Tandem Axle - Top Mounting

7 T-Bar Running Gear



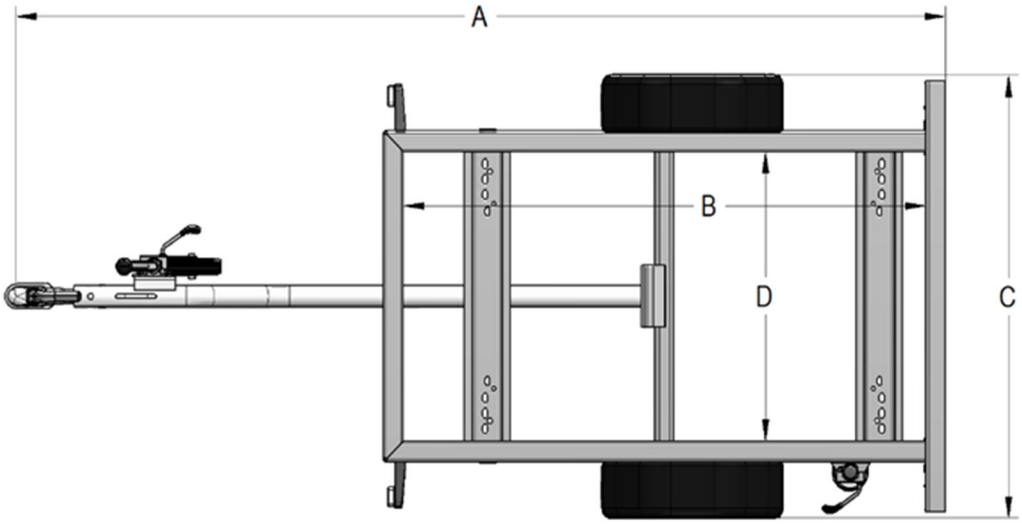
8 Bespoke

ALWAYS USE KNOTT SPARES

O1 Unbraked Single Axle - Internal Mounting

Max. Gross Vehicle Weight (G.V.W.) 750kg

A Max. Overall Length	B Max. Load Area Length	C Max. Total Width	D Max. Load Area Width
6000mm	3930mm	2100mm	1400mm



Axles and load bearing cross member positions can be configured to meet specific requirements.

The above quoted dimensions are for approval purposes - contact us to discuss your individual requirements.

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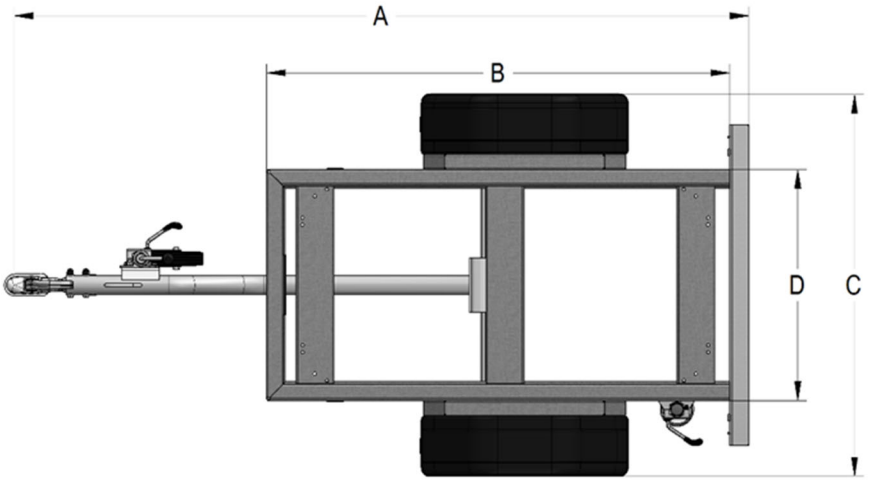

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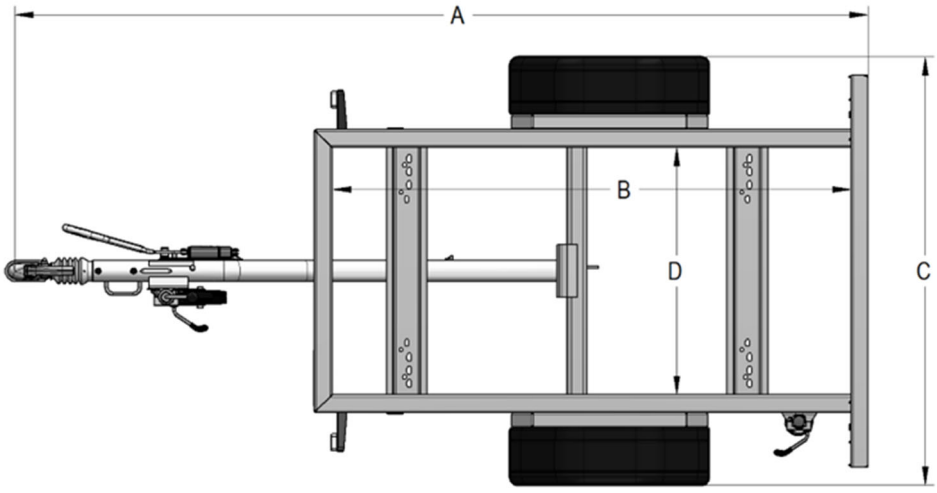
O2 Braked Single Axle - Internal Mounting

Max. Gross Vehicle Weight (G.V.W.) 750kg to 3000kg

A Max. Overall Length	B Max. Load Area Length	C Max. Load Area Width	D Max. Total Width
6000mm	3930mm	1400mm	2100mm



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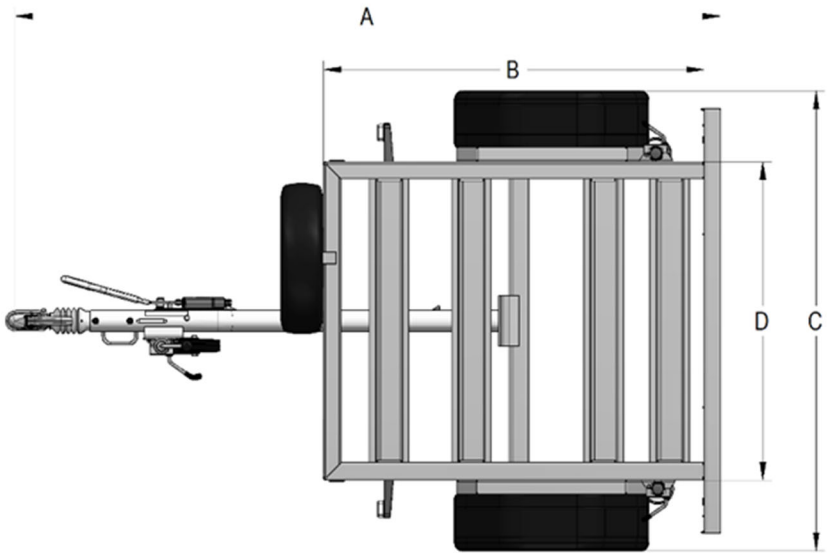

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O2 Braked Tandem Axle - Internal Mounting

Max. Gross Vehicle Weight (G.V.W.) 750kg to 3500kg

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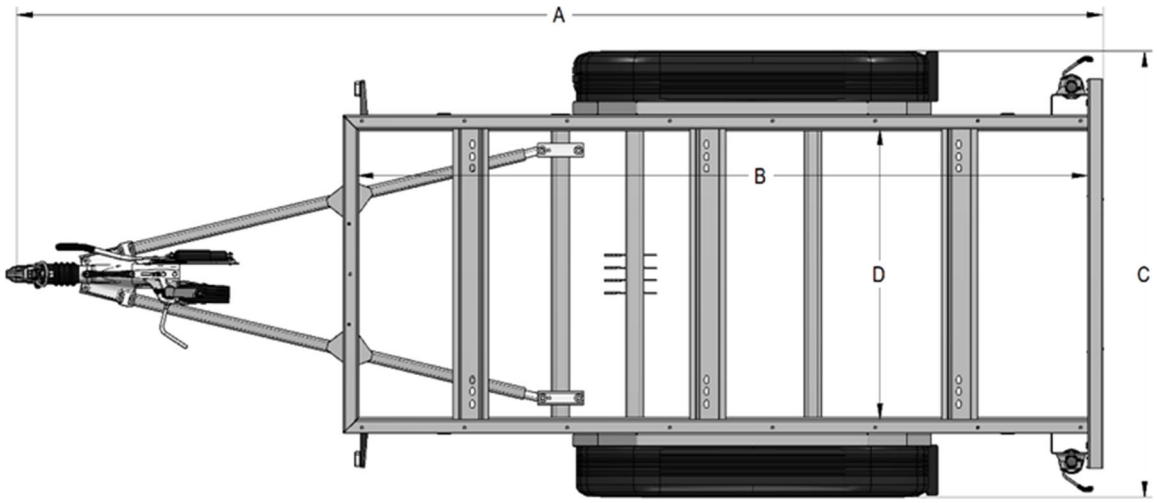
6000mm	3900mm	2100mm	1500mm



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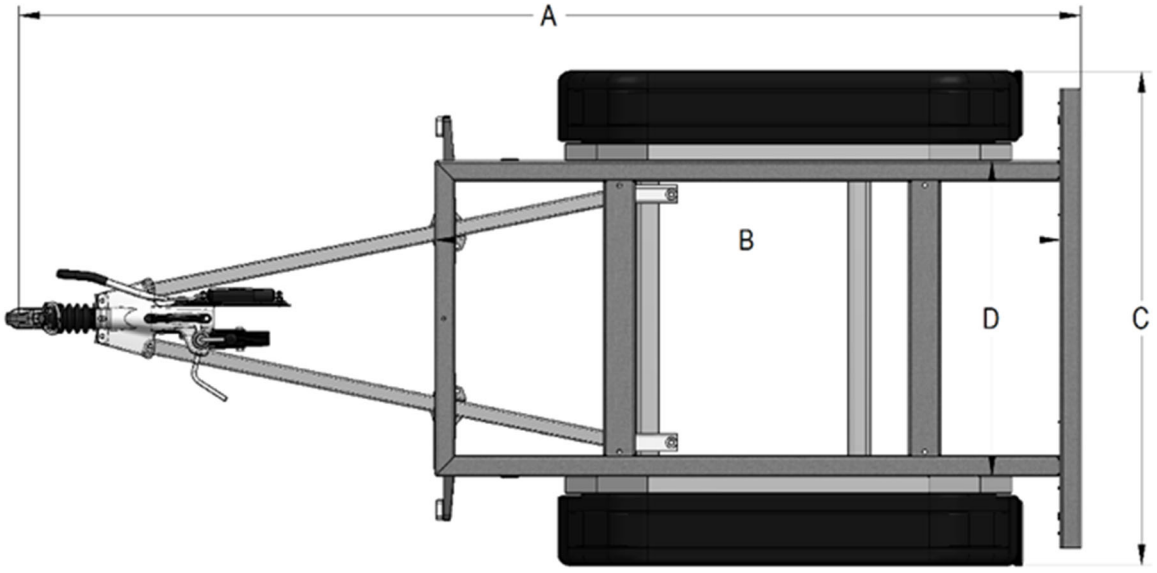

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T-Bar Running Gear

Options from 750kg - 3000kg (GVW)

Single Axle - Braked or Unbraked

Fully Galvanised

Bespoke

ALWAYS USE KNOTT SPARES

Useful Contacts

Knott-Avonride Ltd, Burton-Upon-Trent, Staffordshire	www.knottuk.com
Knott-Avonride Ltd, Maesteg, South Wales	www.knottuk.com
Vehicle Certification Agency	https://www.vehicle-certification-agency.gov.uk
VCA Europe S.r.l.	enquiries@vca-europe.com
The European Union on-line	www.europa.eu
Department for Transport	https://www.gov.uk
Driver & Vehicle Agency Northern Ireland	www.nidirect.gov.uk
Driver & Vehicle Standards Agency	https://www.gov.uk/contact-dvsa
European Tyre & Rim Technical Organisation	www.etrto.org
Freight Transport Association	www.fta.co.uk
Highways Agency	https://nationalhighways.co.uk
Motor Industry Research Association	www.horiba-mira.com
The Society of Motor Manufacturers and Traders Ltd	www.smmt.co.uk
National Trailer & Towing Association	www.ntta.co.uk
Road Haulage Association	www.rha.uk.net
The Institute of Road Transport Engineers	www.soe.org.uk
United Nations Economic Commission for Europe	www.unece.org
British Standards Institution	www.bsigroup.com

Knott Publications

Knott Approved Chassis Catalogue	KF020
Auto-Reverse Override	KF024
Complete Package Catalogue	KF032
Brake System Adjustment	KF048
Brake System Maintenance	KF049
Oil Damped Energy Store	KF056
Maintenance & Servicing for Overrun Couplings	KF088
Maintenance & Servicing for Brakes, Hubs & Bearings	KF089
Maintenance, Servicing & Operation of Heads & Towing Eyes	KF097
Guide Bearing Replacement	KF098
British Standard Eye Wear	KF101
Brake Shoe & Drum Wear	KF1085

KNOTT

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