

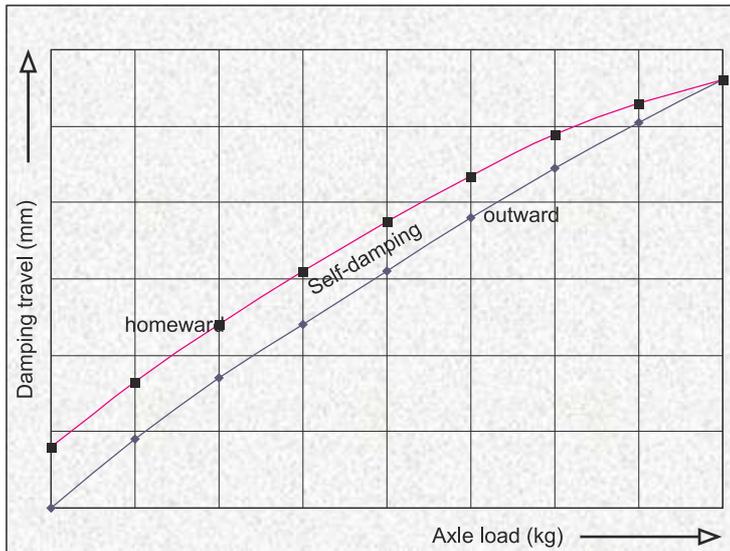
UNBRAKED AXLE



European Quality Trailer Axles

RUBBER TORSION AXLES

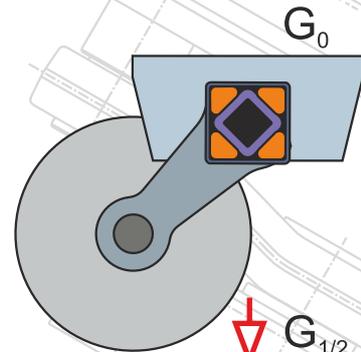
Suspension diagram



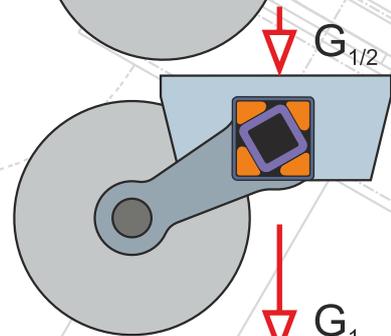
The advantages of using the 4 pieces torsionrubbers of 90degrees:

- correct guideline
- stable underpinning
- inner self-damping
- precisely adjustable spring power

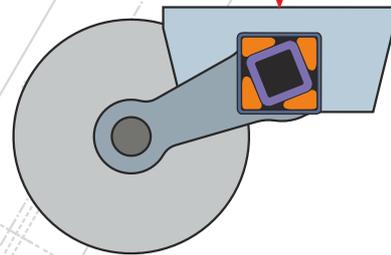
State of rest



Half-load



Full load



Comparison of suspension systems

Type:	4 Rubber torsion axle	Spiral Spring	Solid axle with Leaf Spring	Steel torsion axle	Rubber torsion axle
Advantages:	easy mounting; correct guideline; stable underpinning; inner self-damping	Maximum suspension comfort	less temperature dependent; easy mounting; big load capacity.	less temperature dependent; easy mounting; big load capacity	good suspension comfort; precise handling; maintenance free;
Contains:	square tube, inner tube, 4 rubber cords	spiral spring suspension	leaf spring	axle	axle
Axle type:	Rubber torsion axle	No axle	Rigid axle	steel torsion axle	rubber torsion axle
Need of shock absorber	possible, but not necessary	Yes	Yes	possible, but not necessary	possible, but not necessary
Usability	for all kind of trailer	for sensible goods and animals	in harsh environments	in harsh environments even for sensible goods	for sensible and valuable goods and animals

AXLE ORDER FORM

Company name/Contact person: _____

Address: _____

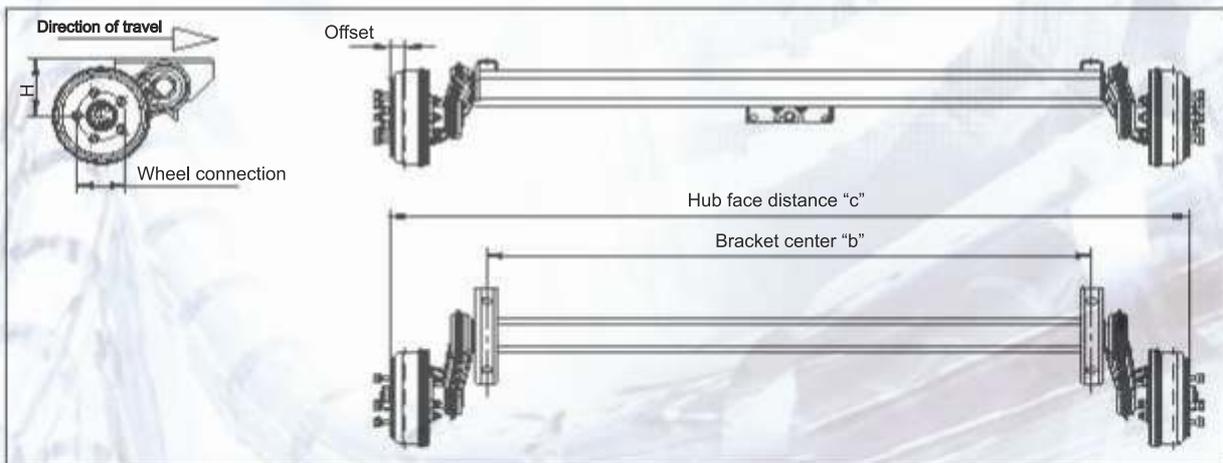
VAT number (in case it is the first contact with Autóflex-Knott Kft.): _____

E-mail or Phone number: _____

Axle type:

- | | |
|--------------------------------------------|---------------------------------------------------------------------------|
| <input type="checkbox"/> unbraked | <input type="checkbox"/> braked |
| <input type="checkbox"/> rubber suspension | <input type="checkbox"/> normal <input type="checkbox"/> cranked (bended) |
| <input type="checkbox"/> rigid (solid) | <input type="checkbox"/> spiral spring |

Shock absorber: yes no



Please give the next details

Load capacity (kg): _____ "H" mounting size (mm): _____

"c" size (mm): _____ "b" size (mm): _____

Offset: _____ Wheel connection: _____

If you need a special bracket please give us the measurements.
If you have a chassis or axle drawing, please send it for us to give you the best axle variant.

**Please give the parameters above to our sales personnel
to enable us to choose the best variant for you suited to your needs.**

VARIETY OF DROP ARMS

Rolled steel swingarm
with square tube axle stub



Axle load max. 500 kg

Bended steel swingarm
with square tube axle stub



Axle load max. 1000 kg



Axle load max. 1800 kg



Pressed steel swingarm
with square tube axle stub

Pressed steel swingarm
with square bar axle stub



Axle load max. 2500 kg



Forged steel swingarm
with square tube axle stub

Forged steel swingarm
with square bar axle stub

VARIETY OF MOUNTING BRACKET STYLES



These brackets are just one part of our complete portfolio.



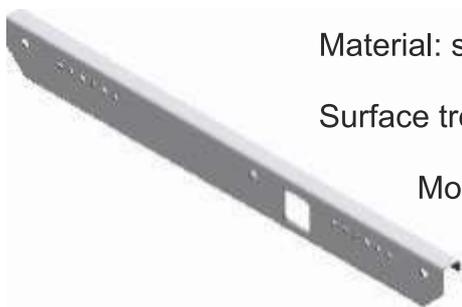
Long mounting brackets

Material: steel plate

Surface treatment: hot dip galvanized

Mounting possibility to chassis with bolt

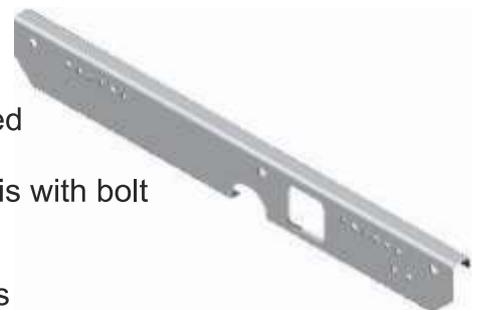
Use for: fixing axle to chassis



Material: steel plate

Surface treatment: hot dip galvanized

Mounting possibility to chassis with bolt



For boat trailers



For tandem axle trailers



For more types please contact our sales person!

HUBS

All of our wheel hubs are also available in water-resistant version.

Surface treatment: e-coating

Bearing : Compact roller bearing or tapered roller bearing



The advantages of compact roller bearings over tapered roller bearings and ball bearings:

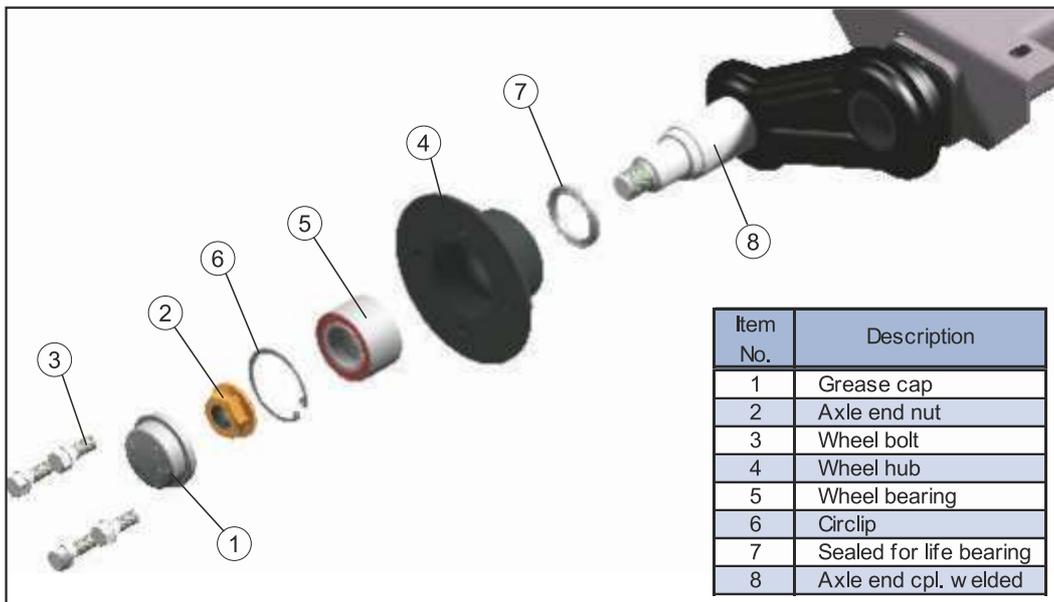
- These bearings can accommodate axial loads in both directions, as well as radial loads,
- Available in stainless & waterproof version, or in waterproof version only,
- Sealed unit which is highly dirt resistant,
- Maintenance free,
- equipped with sealed -for -life bearing to ensure extended usage time.

Oil lubricated hub

Advantages: water resistant
transparent dustcap
easy to refill



SPARE PARTS FOR NON BRAKED RUBBER SUSPENSION AXLES



VARIETY OF UNBRAKED WHEEL HUBS

Axle load capacity up to 750 kg



FNK22



Type	Offset (mm)	Drawing number
FNK22	0 - 45	6A7741
FNK23	0 - 45	6A7861

All wheel hub are available in water-resistant version too.

Wheel connection	Hub
98×4	FNK22, FNK12
100×4	FNK22, FNK12, FNK13
100×5	FNK23, FNK12
108×4	FNK22, FNK12, FNK13
110×4	FNK23, FNK12, FNK6
110×5	FNK12, FNK6
112×5	FNK12, FNK13, FNK6
112×3	FNK12, FNK13, FNK6
114,3×5	FNK12, FNK13, FNK6
115×4	FNK23, FNK13, FNK6
120×5	FNK13, FNK8
120×6	FNK13, FNK8
130×4	FNK23, FNK13, FNK14, FNK8
130×5x	FNK13, FNK14, FNK8
130×6	FNK13, FNK14, FNK8
139,7×4x	FNK23, FNK13, FNK14, FNK8
139,7×5	FNK13, FNK14, FNK8
139,7×6	FNK13, FNK14, FNK8
140×5	FNK13, FNK14, FNK8
140×6	FNK13, FNK14, FNK8
150×3	FNK14, FNK8
150×5	FNK14, FNK8
152,4×5	FNK14, FNK8
160×5	FNK14, FNK8
165,1×5	FNK14, FNK8
170×5	FNK14, FNK8



FNK23



VARIETY OF UNBRAKED WHEEL HUBS

Axle load capacity up to 1350 kg



FNK12



FNK13



Type	Offset (mm)	Drawing number
FNK12	25 - 35	6B1302
FNK13	25 - 35	6B1303
FNK14	25 - 35	6B1383



FNK14



Axle load capacity up to 1800 kg

FNK6



Type	Offset	Drawing number
FNK6	up to 1500 kg 0-35 over 1500 kg 25-35	6B0724
FNK6W	up to 1500 kg 0-35 over 1500 kg 25-35	
FNK8	up to 1500 kg 0-35 over 1500 kg 25-35	6B0800
FNK8W	up to 1500 kg 0-35 over 1500 kg 25-35	



FNK8



UNBRAKED RUBBER SUSPENSION AXLE

Load capacity up to 1350 kg

The product can be used for:

- jet skis
- snow-mobiles
- dog trailers
- utility trailers such as generators
- boats
- utility vehicles
- horse trailers.



Standard surface treatment:

- hot dip galvanization

Load capacity:

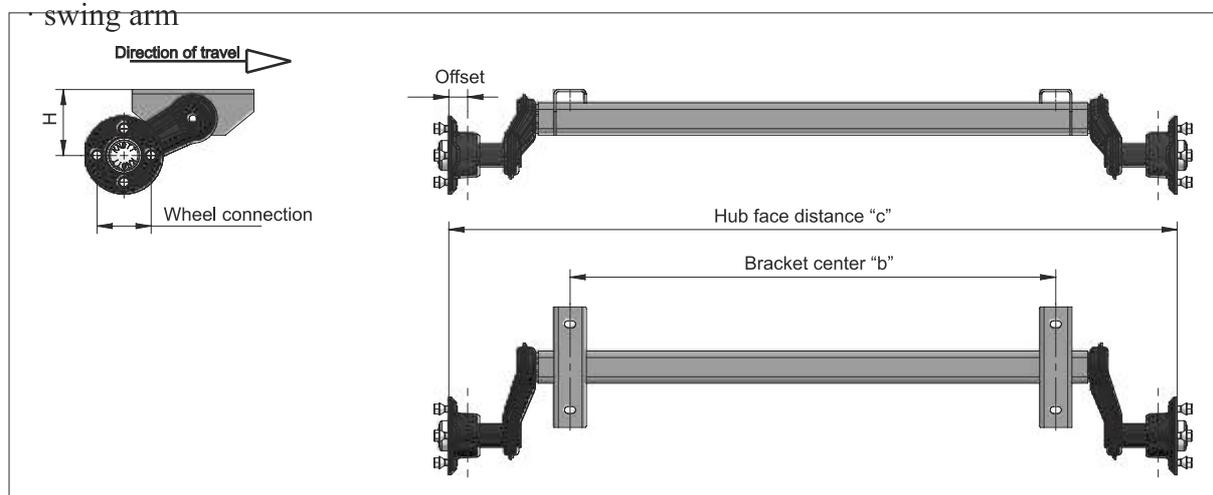
350 kg - 1350 kg

Bearing type:

- life time compact ball bearing,
- taper roller bearing

The product package includes:

- rubber torsion axle and type table
- hub
- swing arm



If you are interested in our product, please give the following parameters to our sales personnel to enable us to choose the best variant for you suited to your needs:

- H, c, b size, load capacity, wheel connection and offset

UNBRAKED RUBBER SUSPENSION CRANKED AXLE

Load capacity up to 800 kg

The product can be used for :

- boat trailers

Surface treatment:

- hot dip galvanization

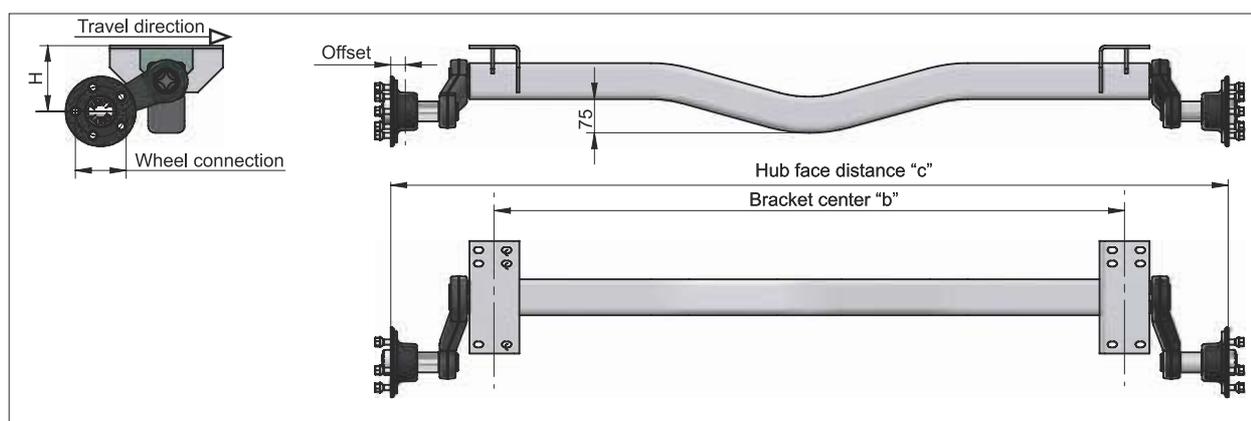
Load capacity: 350 - 800 kg

Bearing type: life time compact ball bearing,
conical bearing



Advantages:

- The new design makes the transportation of boats and other vehicles easier
- The lower centre of gravity makes it more stable.

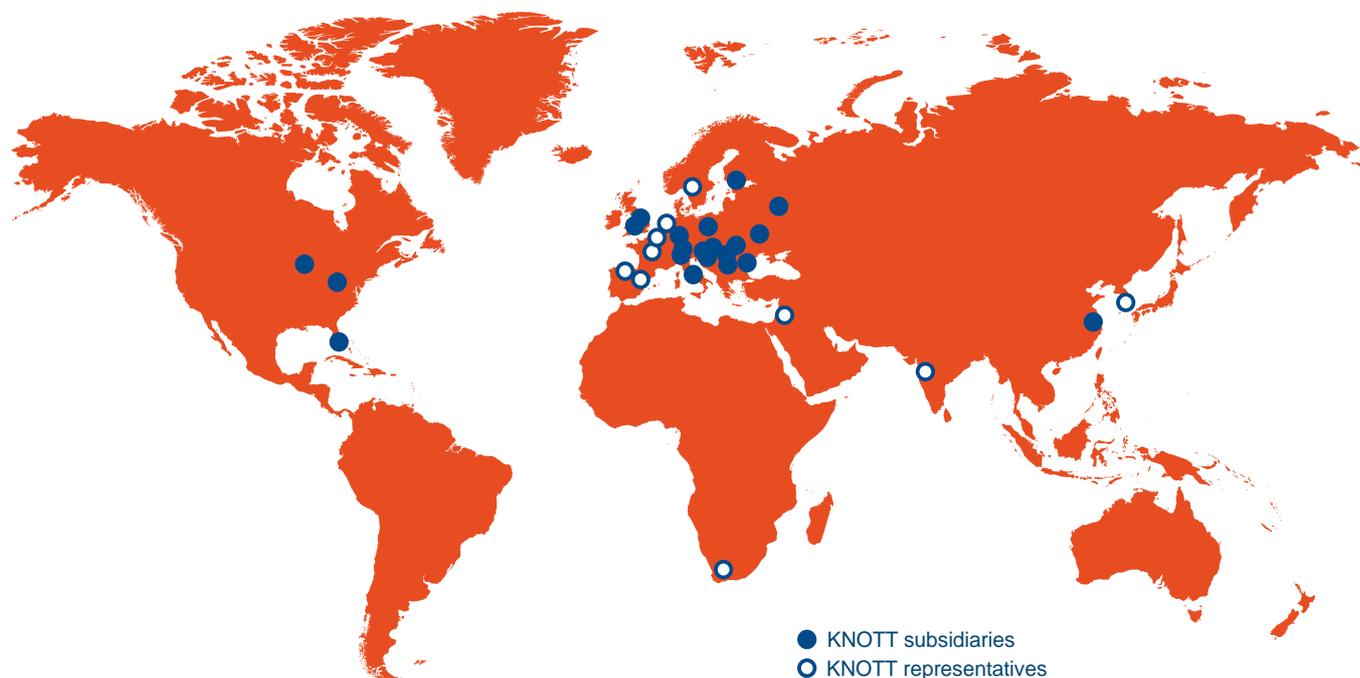


If you are interested in our product, please give the following parameters to our sales personnel to enable us to choose the best variant for you suited to your needs:

- H, c, b size,
- Load capacity,
- Wheel connection,
- Offset

Surface treatment method	Symbol	Salt spray testing result (h)	Outlay
Powder Coating	P	300 h	medium
Galvanization	G	> 500 h	low
Galvanization & powder coating	G&P	700 h	high
E-coating	E	> 800 h	medium
Hot dip galvanization	HG	> 1000 h	low
E-coating & powder coating	E&P	> 1000 h	high

There is no trailer without us



The Knott Group - global competency

The member companies of the Knott Group design, develop, produce and market braking systems for commercial and off-highway vehicles together with running gear components for trailers.

Competent, one-to-one consulting and outstanding product quality are characteristic of all the companies within the Group.

KNOTT's own production plants and branch offices are supported by a world-wide dealership network.



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KNOTT GROUP
BRAKE AND TRAILER TECHNOLOGY

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