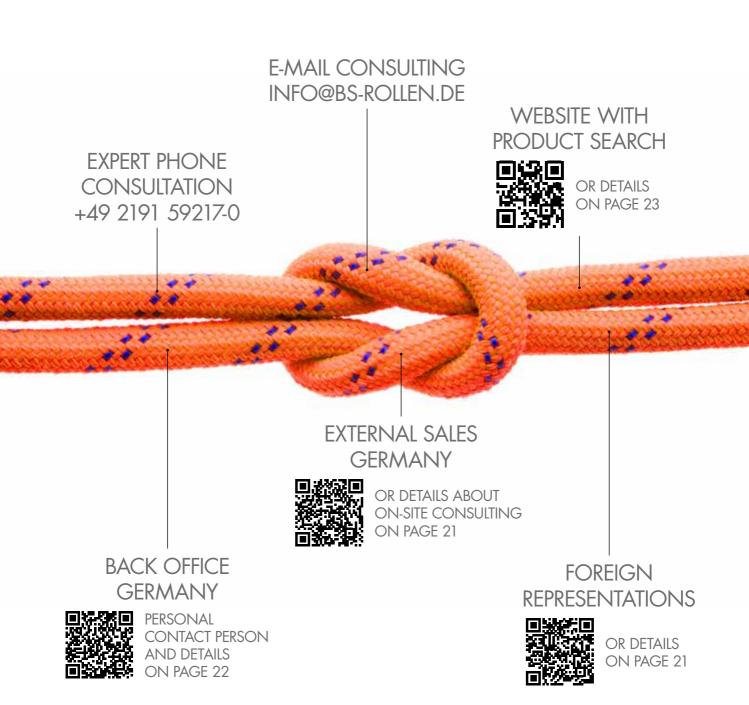


we are moving everything



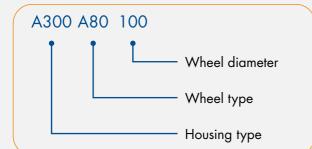
Complete catalogue

## STRENGTHEN TIES WITH OUR EXPERTS!



#### **Technical specifications**

Structure of the article number



Fasteners

Example A300, A301, A303 etc.

0 = Screw-on plate

1 = Bolt hole

2 = Pin

3 = KO pin 11 mm

4 = Stay fastening

5 = Threaded pin

Housing type with plate







A330 Swivel castor with directional lock



Symbols used in this catalogue



Screw hole removal mm



Plate size mm



Construction height



Wheel width mm



depth mm



Groove width mm



Screw hole diameter mm



Projection mm



Bolt hole diameter mm



Wheel diameter mm



Axle hole/ diameter mm



Axle



Ball-bearing



Load carrying capacity kg



Offset hub length mm



Hub diameter mm



Hub length mm



Threaded pin



Pin/tenon



Expansion sleeves



RAL colour











Overall length mm



24 h Service



New article

#### **General Terms and Conditions**



#### Shipping and payment

1. Validity of these conditions

The following conditions apply to the exclusion of all other terms and conditions for business relationships with other terms and conditions for business relationships with companies within the meaning of § 14 BGB, a legal entity under public law or a special fund under public law ("customer"). Agreements that change or add to these terms and conditions, ancillary agreements and the customer's conditions are only effective if they are confirmed by us in writing. Commercial agents and traveling salesmen are not authorised to make or receive binding declarations on our behalf.

2. Offers, documents

Our offers are non-binding. Technical information in brochures, catalogues, printed matter, advertisements, circulars and price lists correspond to the status at the time of printing and are only approximate.

The documents associated with the offer do not represent

a guarantee of the quality or durability of our services. They are only used as a guide for the customer and may not be passed on to third parties.

3. Requests (orders)
Applications are binding for the customer. We shall only be bound by our written confirmation.

4. Prices and payment

All prices apply ex works in Remscheid excluding packaging, postage, freight and insurance. We reserve the right to change the prices in the case of continuing obligations if individual costs increase, in particular due to collective bargaining agreements and changes in material or electricity costs. We shall proceed in the same manner in the event of cost reductions. In such cases the price shall change in accordance with the changed cost factors. If the price changes by more than 5 %, without a contract more than 5 %. either party may terminate the contract. Goods deliveries shall be paid into our account within 10 calendar days with a 2 % discount, within 30 calendar days strictly net while a 2 % discount, within 30 calendar days strictly her the date of crediting being decisive). Agents, commer-cial agents, consultants and travelling salesmen have no authorisation with regard to debt collection or deferral agreements. The customer is only entitled to offset or withhold payment, even if notification of defect has been made, if his counterclaims have been legally established or are undisputed.

Default in payment or circumstances which are likely to reduce the customer's creditworthiness shall result in the immediate maturity of all of our claims regardless of the bills of exchange accepted. In such cases, we are also entitled to only deliver against advance payment or a security deposit and, after a reasonable grace period, to withdraw from the contract and to demand compensation

5. Surcharges for small quantities, excess and short deliveries

Appropriate processing surcharges apply for small orders. In the case of special designs, quantity deviations of up to 10 % are permitted for each delivery.

#### 6. Retention of title

We reserve the ownership of the delivered goods ("reserved goods") until the purchase price has been paid. In the case of a long-term business relationship, ownership is only transferred to the customer when all of our claims against the customer arising from the busior our ciaims against the customer arising from the business relationship have been settled. Any processing is carried out by the customer on our behalf. If the reserved goods are processed with other items that do not belong to the customer, we shall acquire co-ownership of the to the customer, we shall acquire co-ownership of the new item in the ratio of the value of the reserved goods (invoice amount) to the other processed items at the time of processing. If the reserved goods are combined or inseparably mixed with other items that do not belong to us, we shall acquire co-ownership of the new item in the ratio of the value of the reserved goods (final invoice amount including VAT) to the other combined or mixed items at the time of combining or mixing. If the combining or mixing is carried out in such a way that one of the purchaser's items is to be regarded as the main item. purchaser's items is to be regarded as the main item, it is agreed that the purchaser hereby transfers to us joint ownership of the new item in the ratio of the value of the reserved goods (invoice amount) to the other combined or mixed items at the time of combining or mixing. We hereby accept such transfer.

The customer may sell the reserved goods in the ordinary course of business. Any other dispositions are prohibited. The customer assigns to us in advance the claims to which he is entitled from the resale of the reserved goods, regardless of whether they have been processed, combined, mixed or not, in the amount of the invoice for the reserved goods.

The customer is revocably entitled to collect the assigned claims. Our right to collect the claims remains unaffected. We shall not collect the claims ourselves and we shall not revoke the authorisation to collect as long as the customer fulfills his payment obligations and is not in default of payment. For justified reasons, the customer must notify his debtors of such assignment and provide us with the information and documents required to assert

our rights.
The purchaser must immediately notify if third parties seize the reserved goods or the assigned claims or if such seizure is imminent. If the third party is unable to reimburse us for the judicial or extrajudicial costs of a lawsuit to protect our property, the customer shall be liable for the loss incurred.

7. Delivery dates, default

7. Delivery dates, default

If we are prevented from providing the services on time
due to unforeseeable or involuntary events which are
unavoidable under exercise of reasonable care,
the service time shall be extended accordingly.

New deadlines shall then be mutually agreed.

The delivery period begins with the dispatch of our
written order confirmation, however not before receipt
of an agreed advance payment, not before all documents required for the execution of the order have been

ments required for the execution of the order have been provided and all technical details have been clarified. The customer is obliged to meet all the requirements for the timely execution of the business.

The agreed delivery dates are deemed to have been met if we have declared our readiness to provide

Compliance with the delivery dates and performance deadlines is subject to correct and timely supply by our suppliers. We shall notify the customer as soon as

possible of any imminent delays. In the event of a delivery delay, the customer may also demand compensation for any damage caused by the delay in addition to performance. A prerequisite for the assertion of damage caused by default is, however, always a prior written reminder with a reasonable deadline. This claim for damages in addition to the performance is, however, insofar as we are not guilty of wilmance is, however, insotar as we are not guilty of wilful intent or gross negligence and there is no injury to life, body or health, limited to 0.5 % of the net invoice amount for the delivery in question per complete week of delay up to a maximum of 5 % of the net invoice amount for the delivery in question. The right of the customer to withdraw from the contract after a reasonable grace period and/or to claim damages for non-performance in accordance with Section 11 remains unaffected.

8. Shipping, transfer of risk

Deliveries are made "ex works" (EXW INCOTERMS 2010) unless otherwise agreed in writing. Any risk is transferred to the customer at the latest when the goods leave our premises. This also applies if the transport is carried out with our own means of transport. If the dispatch is delayed due to circumstances for which we are not responsible, all risk is transferred to the purchaser

on the day of readiness for dispatch.

If the customer does not accept the goods on the delivery date in accordance with the contract, we shall store them for him insofar as possible, at his own risk and expense. Such storage does not release the customer from his payment obligation, which comes into effect when the goods are ready for collection.

9. Obligation to examine and notify

9. Obligation to examine and notify
The purchaser must examine the goods and our other services immediately and notify us in writing of any defects, however no later than five working days after receipt or provision. Defects that were unable to be detected during the proper incoming inspection must be reported in writing immediately, at the latest three working days after their discovery.

If complaints or notifications of defects are not communicated in good time, the delivery and service shall be

nicated in good time, the delivery and service shall be deemed approved.

10. Warranty

The warranty period is 12 months. If the delivery/service is defective, the customer has the right to have the defect remedied or a replacement delivery within a reasonable period of time. We are entitled to choose between period of time. We are entitled to choose between remedying the defect and delivering a replacement. If the defect could not be remedied by a second rectification, the customer may demand withdrawal or a reduction in the purchase price and compensation in accordance with Section 11 if the other requirements are met. Claims for defects do not exist if the condition of the

goods deteriorates due to improper use or storage, improper transport or incorrect or negligent handling by the customer. The same applies if the deterioration by the customer. The same applies it the deterioration results from a change that is typical for the nature and functionality of the goods (e.g. wear and tear typical for the product).

In the case of supplementary performance, we are

obliged to bear the expenses required for the purpose of supplementary performance, in particular transport and material costs, provided that these are not increased by the fact that the defective goods have been moved to a location other than the commercial establishment of the customer, unless the change in location corresponds to the agreed use of the goods. Supplementary perfor-mance does not include the removal of the defective item or the reinstallation if we were not originally obliged to install it. If there was no defect notwithstanding the request to remedy the defect, the purchaser is obliged to reimburse the costs incurred due to the unjustified request to remedy the defect (in particular testing and transport costs), unless the lack of defect was not apparent to the purchaser.

11. Liability
We have unlimited liability in the event of culpable injury to life, body or health. We are also liable for intent and gross negligence.

has dar as we are not guilty of intent and gross registeries.

Insofar as we are not guilty of intent and there is no culpable injury to life, body or health, liability is limited to the foreseeable damage typical for the contract.

We are also liable for the culpable breach of such

obligations the performance of which is essential in order to even be able to execute the contract and the fulfilment of which the customer may regularly trust and rely on. Insofar as we are not guilty of intent and there is no culpable injury to life, body or health, liability is limited to the foreseeable damage typical for the contract.

We are also liable in the event of fraudulent concealment of a defect or when giving a guarantee. In the latter case, the scope of liability is based on the guarantee. We are also liable in cases of statutory liability, for example under the Product Liability Act.
For all else, our liability, on whatever legal grounds, is

excluded, unless otherwise regulated in these conditions. Insofar as our liability is excluded or limited in accordance with the above regulations, this also applies to the personal liability of our executive bodies, legal representatives, employees, workers and vicarious agents.

12. Validity clause

If individual provisions of these terms and conditions are or become invalid, the remaining agreements shall remain effective

13. Place of performance, place of jurisdiction, applicable law

applicable law

The place of performance is our registered office. The exclusive place of jurisdiction is the registered office of our company. However, we are entitled to file suit against the customer at his general place of jurisdiction. The law of the Federal Republic of Germany applies to the exclusion of the United Nations Convention on the International Sale of Goods (CISG).

BS Rollen GmbH

Status 10/2020



#### **WHEELS**

- Wheelbarrows
- Sack trucks
- Pallet truck
- Handcart
- Fire extinguishers
- Welding equipment
- Industrial vacuum cleaners



#### **FURNITURE TECHNOLOGY**

- Furniture making
- Shop fitting
- Displays
- Exhibition stand construction
- Office container
- Computer desks
- Medical equipment



#### **APPARATUS CASTORS**

- Store equipment
- Medical equipment
- Catering trolley
- Sales racks
- Laundry collector
- Cleaning equipment
- Sports equipment
- Newspaper racks
- Computer desks
- Office furniture
- Freezers
- Operating facilities



#### TRANSPORT CASTORS

- Mechanical engineering
- Disposal systems
- Food industry
- Patient transfer systems
- Pharmaceutical Industry
- Road construction
- Container trolley
- Platform truck
- Baggage cart
- Order picking trolley
- Tool trolley
- Table trolley



#### **HEAVY DUTY CASTORS**

- Industrial manufacturing
- Transport from material to end product
- Equipment transport ■ Transport vehicles
- Assembly units
- Forklift trucks
- Logistics
- Shelving



## TABLE OF CONTENTS



#### 1. EDITORIAL

Moving/turbulent times	6 - 7
Industry sectors	8 – 9
Partners	10 – 11
Data and logistics	12 – 13
Quality	14 – 15
Mini or Maxi	16 – 1 <i>7</i>
Innovations	18 – 19
Reps/sales representatives	20 – 21
Back office	22
BS Rollen Online	23



#### 2. TECHNICAL GUIDE

Terms and dimensions for wheels and castors Manoeuvrability Soil quality and bearing capacity Types of wheel bearings, starting and rolling resistance Different wheel and bandage types Locking devices and fastenings Structure of the fork heads and panel dimensions Resistance to environmental influences Improper use	26 27 28 29 30 - 31 32 - 33 34 - 37 38 - 39
Product liability information	41



#### 3. WHEELS

Door/rope pulleys	44
Wheels	45 – 66
Axles	67
Wheel sets	68
Equipment	69 <i>– 7</i> 1



#### 4. FURNITURE CASTORS

Furniture castors	74 – 79
Design castors	80 – 89
Furniture technology	90 – 93



#### 5. APPARATUS CASTORS

Apparatus castors	96 – 103
Heavy apparatus castors	104 – 107
Plastic castors	108 – 111
Stainless steel castors	112 – 115
Stainless steel heavy duty castors	116 – 117
Castors for bakeries	118 – 119



#### 6. TRANSPORT CASTORS

Transport castors	122 – 137
Compact castors	138
Foot guard	139
Swivel castors with central locking device	140 – 143
Swivel castors with load-dependent directional lock	144 – 145
Swivel castors with directional locking device	146 – 147



#### 7. SPECIAL CASTORS

Scaffolding castors	150 – 152
Scaffolding spindles	153
Construction fence accessories	154 – 155
Air Cargo Castors	156 – 157
Locking feet + lifting castors	158 – 159
Special castors	160 – 161



#### 8. HEAVY DUTY CASTORS

Heavy duty castors	164 – 1 <i>77</i>
	170 170
Heavy duty spring-mounted castors with suspension	1/8 - 1/9



#### 9. CONVEYOR TECHNOLOGY

Roller stands for material feed	182 – 185
Ball transfer units	186 – 189
Roller tracks/Omnidirectional roller tracks	190 – 192
Roller rails	193
Pallet roller rails	194
Conveyor rollers	195 – 213
Roller conveyors	214 – 227



#### 10. TRANSPORT AIDS

List of item numbers

Packing blankets/Protective mats for professionals	230 – 231
Bearing aids	232
Transport roller and lifter	233
All-purpose castor	234 – 235
Transport aids	236 – 237
Clamp panel roller	238 – 239
Clamp panel roller	238 – 2

240 -244



MOVING TIMES
LIE BEHIND US
AND AHEAD
OF US. WE HAVE
PLENTY IN STORE
FOR YOU

Company Directors Bernd Schmahl and Jörg Pötschko talk about BS Rollen:

Jörg Pötschko: This is how our customers see us. Our service is always in action. No matter what you need the castors for: We are here for you.

**Bernd Schmahl:** Yes, over 12,000 products do justice to even the most monumental task. In 30 years of distinguished service, staunch customers have chosen us to be their expert and made us market leader in the German specialist trade, among other things.

Jörg Pötschko: And why? Because we are constantly updating both our product range and services in line with our customers' needs. We plan with foresight. The focus of our Agenda 2040 is to continue our growth course with a dynamic mix of price, performance and perfect service.







#### **FACTS**

30 years of experience

Number one in the German specialist trade

4 million castors and wheels sold annually

Over 12,000 article variants

62 employees

8 travelling reps in Germany

18 sales partners throughout Europe

24 hour fast delivery

**Bernd Schmahl:** Direct, fast, uncomplicated and solution-oriented. That is who we have always been as a supplier. Whether our customers come from the furniture or shopfitting sector, use apparatus or transport castors, move tonnes with heavy-duty castors or need conveyor technology solutions. We are at their side immediately.

Jörg Pötschko: In addition to our standard range, we also configure and manufacture customer-specific solutions. We proudly present our current catalogue with new product ideas, improved product performance and a highly developed service profile.

### VERSATILE AND ADAPTABLE.



EVERY SECTOR
HAS ITS
REQUIREMENTS,
WE KNOW
THEM ALL

Movement is moving, because the design of wheels and castors is always determined by where they are going to be used. Although the main uses are furniture castors, appliance castors, transport castors and heavy-duty castors, the configuration is different every time.

















We also produce for special applications, such as: scaffolding, ladders, construction fences, air cargo, luggage transport, conveyor belts, conveyor and sorting systems, lifts, cases for event technology, beach chairs, pallet furniture, etc.

### CATALOGUE ADVICE HELP

Direct line to the BS experts +49 2191 59217-0

### FOR THE LOVE OF CASTORS AND WHEELS.



WE ARE THE
PROFESSIONALS
FOR
PROFESSIONALS,
YOUR SPECIALIST
SUPPLIER

Let us pamper you as a professional. As our customer, you are the castor king. Our professional know-how is reserved exclusively for you as a B2B partner. For many years we have been the number one supplier to German specialist retailers. Top products, good pricing structures and the highest possible customer orientation and satisfaction have already been confirmed by a supplier award.

Our retail partners appreciate our intelligent shop system for specialist retailers. We guide and inform the customer in a self-explanatory presentation of the different product groups, triggering sales without tying up your staff. Request your tailor-made shop design from our experts!







Product management for professionals also means providing support data. Right from the development phase we provide you with the product data as 2D and 3D drawings on our website, So you can optimally integrate our products into your installation situation.

You can't find what you are looking for among our more than 12,000 products? Then we would be happy to specifically manufacture for you. Submit your request and we will let you know your options and quantities.

Not a B2B customer with BS Rollen yet? Then you can become one now. Simply send your B2B customer inquiry by e-mail to info@bs-rollen.de or call us on +49 2191 59217-0.



AUTOMATED, FROM ORDER PLACEMENT TO GOODS SHIPMENT What you order rolls into action. Every year, almost 50,000 shipments, from parcels to complete truckloads, leave our 3,000 square metre warehouse with integrated logistics centre on the A1. If you need castors, you need them urgently. Shipping within 24 hours of receiving an order is therefore our standard. Anything ordered and in stock on any given day leaves our company on the same day, if possible.

This also applies to our conveyor roller stock range. We are the fast supplier for intralogistic use. Our digital logistics workflow is based on the data from our ERP system. As part of data management control, we export all data as required (BMEcat format).











BS Rollen offers a variety of services that simplify the ordering process, from real-time stock queries to customer-specific delivery notes and digital shipping notifications.



### IT ALL DEPENDS ON INTRINSIC VALUES.





#### QUALITY AND ECONOMIC SENSE

Quality is the key factor for the longterm economic use of our products on site. Thus the tough requirements in practice set the high benchmark for our product development and the entire BS Rollen quality management system. We deliver convincing solutions, offer you highly attractive castors and wheels in terms of benefit, price and sustainability. In continuous use, the intrinsic values and convenience of our products pay off. Therefore, we constantly drive our development. New and composite materials, bearing types for rotation and rolling function, housing optimisation, designs, technologies and much more distinguish the BS Rollen products, time and again. The quality factor for practical applications has formed the basis of our corporate success for 30 years.









Proven Quality

Quality management at BS Rollen is certified according to DIN EN ISO 9001: 2015. We have test stands that enable us to carry out technically relevant product testing in accordance with DIN EN 12527 to DIN EN 12533, and partial testing in accordance with DIN EN 1004.

Our experts know exactly which version of our products suits your requirements and can advise you in selecting the right bearing design and tread material, all the way to housing design. Talk to us, our professionals will get your optimal configuration rolling.





THE BIGGEST AND THE SMALLEST BS CASTORS Sometimes it's the little things that make the difference, and often the big things as well – which is also true of castors and wheels. Heavy-duty castors with a diameter of up to 400 mm are used when heavy weights need shifting. The large size offers the best starting and rolling resistance and manoeuvrability and forms the basis for moving heavy loads.

No room and yet mobile? Compact castors with their extremely low overall height have conquered this terrain. The minis among castors play a huge role in situations with very little room for manoeuvre, thus solving many transport problems. Our smallest compact castor has a wheel diameter of just 35 mm, a height of 58 mm and a tremendous load capacity of 100 kg per castor. It is deployed when standard castors cannot be used due to height restrictions.









#### **FACTS**

**Ø** 80 to 400 mm up to 7.5 t/castor

up to 11 t/wheel

Not just size defines BS castors, performance does as well. We look forward to the big and small challenges you have for us.



#### **FACTS**

Ø 35 to 50 mm
up to 120 kg/castor



# INNOVATIONS MAKE THE WORLD GO ROUND

The wheel has been around since 3,500 BC. There have been plenty of ideas have on how to improve mobility since then: gone are the days when you just had to roll with it. Since our founding, we have been working on optimising the use of castors and wheels as far as possible. Today castors can run extremely quietly and comfortably. Many new materials and tread designs have now eliminated skid marks and made modern castors extremely durable.

New bearing designs have made castors fast, easy to turn and thus highly manoeuvrable. Today's special innovations include castors for special use areas. Lifting castors are used to relocate large machines and equipment. Machine feet complement castors for a secure footing, construction fence castors render construction fences mobile and the air freight industry handles goods like never before with special air cargo castors.





Do you dream of having a central braking system so that you can use your foot to operate all of the brakes at once? This is another of our innovations.

**BS ROLLEN®** 

Share your wishes with us. Our trend team will take up your suggestions for our future developments. E-mail to info@bs-rollen.de or +49 2191 59217-0



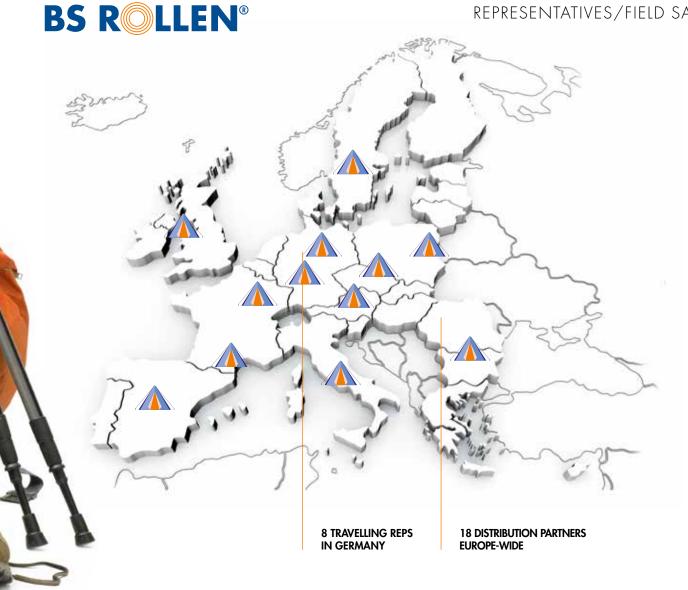
WE WILL TAKE
GREAT CARE OF
YOU, ON SITE,
AT HOME
AND ABROAD

You can expect customer proximity from us, both nationally and internationally. Our specialists offer advice not only in Germany, but just as closely in domestic and non-European sales areas. We have eight of our own sales representatives to look after you on site. Whenever you need us, we will come to you, advise you and supervise your projects together with you.

We also provide close support internationally. Not only domestic customers use this but also companies with branches in several countries. They appreciate our constant support. Our close sales network with delivery warehouses in many countries safeguards the BS Rollen 24-hour delivery service all over the world.



#### REPRESENTATIVES/FIELD SALES





Request catalogue in 8 languages



Find your local sales rep here



Website with all immediately available novelties



Find your international sales rep here



OFFICE WORK

### THINKING INSIDE AND OUTSIDE THE BOX.

#### "WHEELS ARE ALWAYS TURNING IN OUR EXPERTS' HEADS"

You will thus find the best solutions for your needs. These may sometimes be surprising but will always be ideal for you. Let us give you some advice, that's what we're here for.



Bernd Schmahl **Executive Director** +49 2191 59217-0 info@bs-rollen.de



Jörg Pötschko Executive Director +49 2191 59217-0 info@bs-rollen.de



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Carina Brandtner Export consultant +49 2191 59217-18 carina.brandtner@bs-rollen.de



Mathias Böhmer





## WITH NEW PRODUCT SEARCH.



Our new website makes it especially easy to search for a product. You can also find accessories and spare parts more easily now. You have access to all products, dimensions, information, CAD drawings. And of course all novelties. Use our website for your retail customers. You can directly access our entire range in every consultation situation from a PC, laptop, tablet or smartphone, and you can use various filter functions to obtain product proposals quickly. Extremely practical.

Not only are our products now much easier to find online, we have also prepared very varied industry and application information for you. Thus you can find out more about special topics and solutions. Our castor consultant will tell you about technical features, you will find information on environmental influences, a comparison of rolling resistance and different types of wheel and roller drum.



# CAREFULLY DESIGNED DOWN TO THE SMALLEST DETAIL.



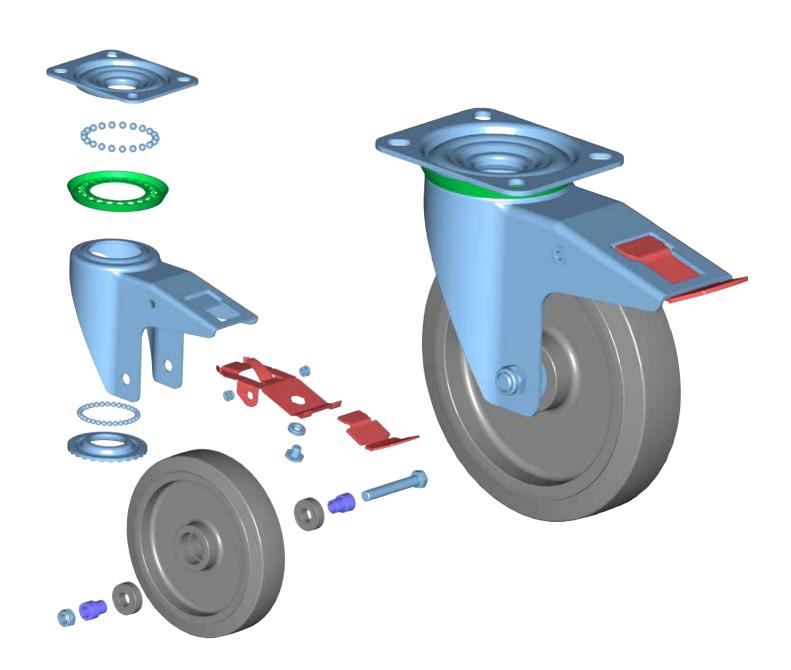
Choosing the right castors and wheels is almost a science in itself. Our technical guide enables you to decide which castor is best for your requirements. We provide you with specialist information on the various structures and designs of our pro-ducts, calculation formulas and statistics on product performance all the way to resistances, and much more.

This will give you the technical background for the use of your castors. The choice is crucial, because you will not only attain optimal durability and rolling behaviour, you will also save time and achieve high satisfaction levels among users. Would you prefer to go straight to the source and pick our brains? Then just contact our team of product consultants.

#### 0

## TECHNICAL GUIDE

TECHNICAL EXPLANATIONS
CALCULATION FORMULAS
PRODUCT USAGE

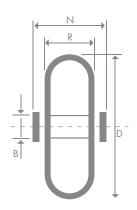


#### Technical guide



#### Terms and dimensions for wheels and castors

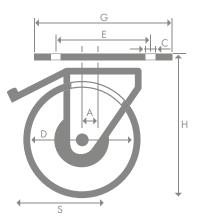




B = bore/axle diameter D = wheel diameter

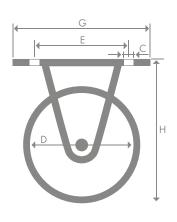
N = hub length R = wheel width





A = projection
C = screw hole diameter
D = wheel diameter
E = screw hole distance
G = plate size
H = overall height
S = displacement circle radius





C = screw hole diameter D = wheel diameter

E = screw hole distance
G = plate size
H = overall height

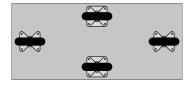


#### Manoeuvrability





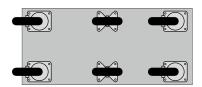
Four swivel castors, if necessary, a swivel castor with a directional lock can be used.



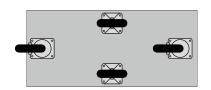
Four fixed castors, the middle fixed castors have are slightly higher overall.



Two fixed and two swivel castors



Four swivel castors and two fixed castors



Two swivel and two fixed castors



Three swivel castors

#### Technical guide



Floor condition





HARD FLOOR = SOFT TREAD



**SOFT FLOOR = HARD TREAD** 

Load carrying capacity

## LOAD CAPACITY = TARE WEIGHT + PAYLOAD

3

In accordance with DIN 8455 (ISO standard), the nominal load capacities apply at a speed of 4 km/h on level driveways and in an ambient temperature of +15 °C to +28 °C, plus an obstacle height < 5 % of the wheel diameter.





#### Wheel bearing types



#### Slide bearings

For less frequent use or use in wet conditions, most economical bearing type, corrosion-resistant



#### Double ball bearing

Meets the highest demands on load capacity and rolling resistance, especially suitable for heavy duty castors



#### Roller bearings

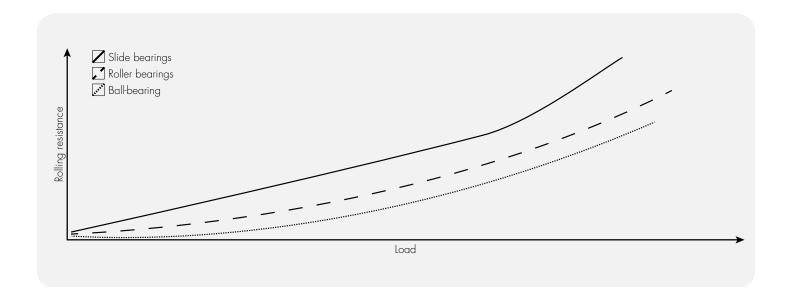
Rolling resistance relatively low, even with high loads, resistant, robust, largely maintenance-free



#### Centred ball bearing

Meets the highest demands on load capacity and rolling resistance

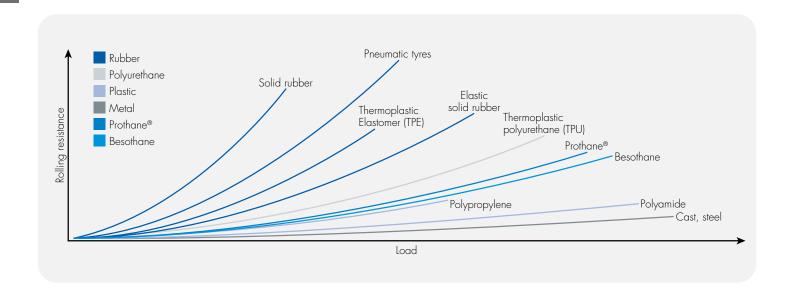
Starting and rolling resistance in different types of bearings



#### **Technical guide**



#### Starting and rolling resistance with different wheel coverings



#### Different wheel and bandage types



#### Cast

- · very high load carrying capacity
- abrasion resistant
- · insensitive to metal chips and aggressive substances



#### Solid rubber

- · runs quietly
- · floor-friendly
- · shockproof
- · vibration dampening



#### Polyamide/polypropylene

- · high bearing capacity
- · unbreakable and maintenance-free
- · largely resistant to salts, fats, acids and alkalis
- · does not leave marks
- · very abrasion resistant



#### Elastic solid rubber

- · high load capacity
- · floor-friendly · extremely abrasion resistant
- · excellent driving and operating comfort



#### TPU

#### (thermoplastic polyurethane)

- · robust and abrasion-resistant
- · non-staining
- · floor-friendly
- · runs quietly
- · largely resistant to oils, fats, petrol, chemicals
- elastic



#### (thermoplastic rubber)

- · Very comfortable to drive
- · runs quietly
- · low rolling resistance
- · Non-marking, however, this material contains oil and can lead to contact discoloration on sensitive substrates







#### **Pneumatic**

- $\cdot \ \mathsf{good} \ \mathsf{shock} \ \mathsf{absorption}$
- · low rolling resistance when used on poor ground · floor-friendly



#### **Besothane**

- · optimised starting and rolling resistance · less endurance resistance
- · easy running and manoeuvrability
- · less compression deformation and better abrasion resistance
- · resistant to oils, fats and many chemicals
- $\cdot \ \text{convex tyre profile} \\$



#### Puncture-proof wheels (Polyurethane tyres)

- · abrasion resistant
- · shock and noise absorbent
- · durable
- · maintenance free
- · high load capacity
- · not suitable for continuous load



#### **Prothane®**

- $\cdot \ \mathsf{high} \ \mathsf{load} \ \mathsf{capacity}$
- · robust and abrasion-resistant
- · elastic, low-noise run
- · largely resistant to oils, fats, petrol, chemicals
- · does not leave marks



Cross section of a puncture-proof wheel



#### **Vulkollan®**

- $\cdot$  very high load capacity
- · extremely abrasion resistant
- · floor-friendly
- · runs quietly
- · Very comfortable to drive

#### Technical guide





#### Locking device





Wheel lock Locking of the wheel



Load-dependent directional lock
For optimal tracking when using
4 swivel castors. Automatic positioning
at 360° for unloaded rollers.



**Total lock in castor**Locking of the fork head and the wheel



**Directional lock**Locking of the swivel movement to 360°



**Total lock in advance** Locking of the fork head and the wheel



**Directional lock** Locking of the swivel movement to 360°



Central locking device

Locking of the fork head and the wheel without changing the position of the wheel lock. Possibility of central locking of up to 4 rollers.









**Bolt hole** 

For inserting screws to fasten to metal or wooden structures ( $\varnothing$  8, 10, 12 mm)



#### Plate

For screwing onto metal or wooden structures



Threaded pin

For screwing to metal or wooden structures (M8, M10, M12)



Expansion sleeve fastener for tubes



Steel tenon

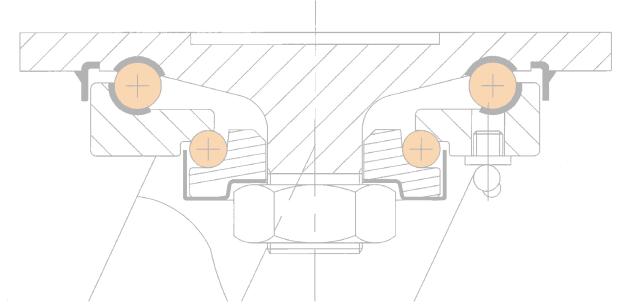
For stable attachment of tubes

#### **Technical guide**





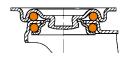
#### Structure of the fork heads











INOX



#### Series A300 ...

Wheel Ø 50, 75, 100 mm
Plate 54 x 54 mm,
60 x 60 mm
Load
capacity 50 – 70 kg

#### Series B100 ...

Wheel Ø 50, 75 mm
Plate 60 x 60 mm,
77 x 67 mm
Load
capacity 60 – 100 kg

#### Series C100 ...

Wheel Ø 80, 100, 125, 150, 200 mm Plate 77 x 67 mm, 94 x 64 mm, 95 x 70 mm Load capacity 80 – 100 kg

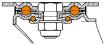
#### Series G100 ...

Wheel Ø 50, 75, 100, 125 mm Plate 60 x 60 mm, 76 x 70 mm Load capacity 40 – 100 kg

#### INOX

#### Series H100 ...

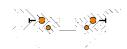
Wheel Ø 80, 100, 125, 150, 200 mm Plate 95 x 80 mm, 129 x 106 mm Load capacity 130 – 200 kg











#### INOX

#### Series HS100 ...

Wheel Ø 100, 125, 150, 200 mm Plate 100 x 84 mm, 132 x 110 mm Load capacity 300 – 700 kg

#### Series L400 ...

Wheel Ø 80, 100, 125, 140, 150, 160, 180, 200 mm Plate 104 x 80 mm, 115 x 85 mm, 135 x 110 mm Load capacity 100 – 400 kg

#### Series L400 ...

 $\begin{array}{lll} Wheel \varnothing & 250, 280 \text{ mm} \\ Plate & 186 \times 170 \text{ mm} \\ Load & \\ capacity & 300-350 \text{ kg} \end{array}$ 

#### Series L500, LB500 ...

Wheel Ø 100, 125 mm Plate 104 x 80 mm, 105 x 85 mm Load capacity 140 − 350 kg

#### Series L600 ...

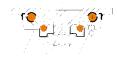
Wheel Ø 125, 150, 200, 250 mm Plate 135 x 110 mm Load capacity 700 – 1500 kg



# Structure of the fork heads











#### Series N100 ...

Wheel Ø 100, 125, 150, 160, 200, 250 mm Plate 138 x 110 mm Load capacity 500 – 600 kg

(Anti-splash fork head)

#### Series R100 ...

Wheel Ø 85 mm Plate 190 x 175 mm Load capacity 800 – 1200 kg

#### Series R100 ...

Wheel Ø 80, 100 mm Plate 138 x 110 mm Load capacity 150 – 1500 kg

#### Series R100 ...

Wheel Ø 100, 125, 160, 200, 250 mm Plate 138 x 110 mm Load capacity 150 – 1500 kg

#### Series R100 ...

Wheel Ø 150, 200, 250, 300 mm Plate 175 x 140 mm Load capacity 350 – 2000 kg











#### Series R100 ...

Wheel Ø 150, 200, 250, 300, 400 mm Plate 200 x 160 mm Load capacity 425 – 5000 kg

# Series R100 ...

Wheel Ø 200, 250, 300, 400 mm Plate 255 x 200 mm Load capacity 675 – 7500 kg

#### Series \$100 ...

Wheel Ø 100, 125, 160 mm Plate 138 x 110 mm Load capacity 420 – 1500 kg

#### Series \$100 ...

Wheel Ø 150, 200, 250, 300 mm Plate 175 x 140 mm Load capacity 1000 – 2000 kg

#### Series \$100 ...

Wheel Ø 150, 200, 250, 300, 400 mm Plate 200 x 160 mm Load capacity 850 – 5000 kg



#### Series \$100 ...

Wheel Ø 150, 200, 250, 300, 400 mm Plate 255 x 200 mm Load capacity 3000 – 7500 kg

#### Series T100 ...

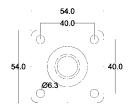
Wheel Ø 125, 150, 200 mm Plate 138 x 110 mm Load capacity 220 – 600 kg

### Technical guide



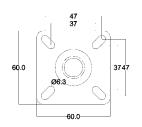
# 0

#### **Plate dimensions**



Series A300, A310, A320

Wheel Ø 50 mm



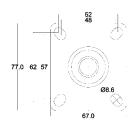
Series A300, A310, A320

•••

Wheel Ø 75, 100 mm

Series B100, B120 ...

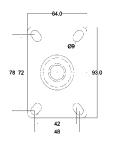
Wheel Ø 50 mm



Series B100, B120 ...

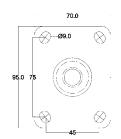
Wheel Ø 75 mm

**Series C100, C110, C120 ...** Wheel Ø 100, 125 mm



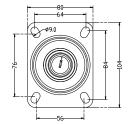
Series C100, C110, C120 ...

Wheel Ø 80, 150 mm



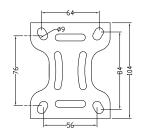
Series C100, C110, C120 ...

Wheel Ø 100, 125 mm



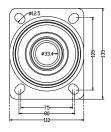
Series L400, L420 ...

Wheel Ø 80, 100, 125 mm



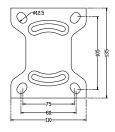
Series L410 ...

Wheel Ø 80, 100, 125 mm



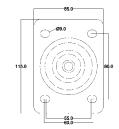
Series L400, L420 ...

Wheel Ø 125, 160, 180, 200 mm



Series L410 ...

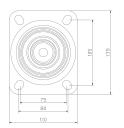
Wheel Ø 125, 160, 180, 200 mm



Series LS400, LS410, LS420

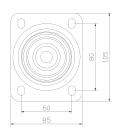
•••

Wheel Ø 125 mm



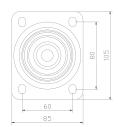
Series LSS400

Wheel Ø 125 mm



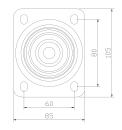
Series LB500

Wheel Ø 100, 125 mm



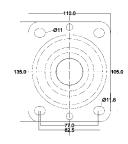
Series LS500

Wheel Ø 100 mm



Series L500

Wheel Ø 100 mm

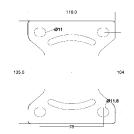


Series N100, N120 ...

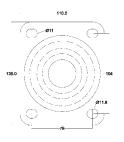
Wheel Ø 100, 125, 160, 200, 250 mm



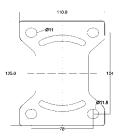
# Plate dimensions



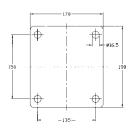
**Series N110 ...** Wheel Ø 100, 125, 160, 200, 250 mm



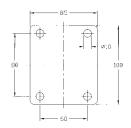
**Series L600, L620 ...** Wheel Ø 125, 160, 200, 250 mm



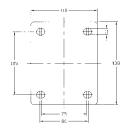
**Series L610 ...**Wheel Ø 125, 160, 200, 250 mm



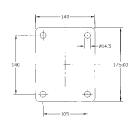
**Series R100, R110 ...** Wheel Ø 85 mm



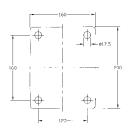
**Series R100, R110, R120 ...** Wheel Ø 80, 100 mm



**Series R100, R110, R120 ...** Wheel Ø 100, 125, 160, 200, 250 mm

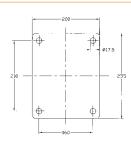


Series R100, R110, R120 ... Wheel Ø 150, 200, 250, 300 mm

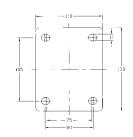


**Series R100, R110, R120 ...** Wheel Ø 150, 200, 250, 300, 400 mm

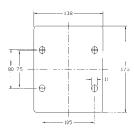
**Series \$100, \$120 ...** Wheel Ø 150, 200, 250, 300, 400 mm



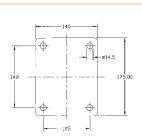
**Series R100, R110, R120 ...** Wheel Ø 200, 250, 300, 400 mm



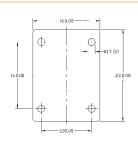
**Series \$100, \$120 ...** Wheel Ø 100, 125, 150 mm



**Series \$110 ...** Wheel Ø 100, 125, 150 mm



**Series S100, S110, S120 ...** Wheel Ø 150, 200, 250, 300 mm



**Series \$110 ...** Wheel Ø 150, 200, 250, 300, 400 mm



**Series \$100, \$110, \$120 ...** Wheel Ø 150, 200, 250, 300, 400 mm

Subject to changes! Therefore, please contact us for binding information on the exact drill hole dimensions before determining the drilling size.

# Technical guide



# 0

#### Resistance to environmental influences

Acetaldehyde	rurethane Polypropyl
Acetic acid         30 %         =         ++         =         ++         ++         ++         ++         ++         ++         Acetylene         ++         ++         Ethylene         ++         ++         Acetylene         ++         ++         Bithylene         ++         ++         Acetylene         ++         ++         Bithylene         ++         ++         Acetylene         ++         ++         Bithylene         ++         ++         ++         Bithylene         ++	
Aketic acid 30 % = ++ = ++ Ethyl acetate + ++ ++ Aketane ++ ++ ++ ++ ++ ++ Ethyl alcabal ++ ++ ++ ++ Aketane ++ ++ ++ ++ Ethyl alcabal ++ ++ ++ ++ Aketane ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++ ++	
Acetone	++
Acetylene	=
Acrylic ocid > 30 °C	++ ++
Alkyl alcohol	++
Alkytbenzenes   ++	++
Aluminium acetate	+ ++ 1)
Amine, alighetric Amine and mixtures  ++ Ammonium bicarbonate Ammonium bicarbonate  ++ Ammonium carbonate  ++ Ammonium nitrate ++ ++ ++	=
Amino acid mixtures  Ammonium bicarbonate  Ammonium hydroxide  Ammonium rorbonate  Ammonium rhodanide  ++	= =
Ammonium bicarbonate	+ ++
Ammonium carbonate	+
Ammonium hydroxide	= ++ 2)
Ammonium nitrate	=
Ammonium nitrate	++ =
Ammonium rhodanide Ammonium salts	++
Ammonium salts	= ++
Ammonium sulphate	++
Amyl acetate	++
Amyl alcohol	++ ++
Aniline	
Anthraquinone, 85 % C  Aqua regia	
Aqua regia	++
Barium solts	=
Beer         ++         ++         ++         ++         =         ++         ++         =         ++         ++         =         Bround with the part of the part	= ++
Bitumen	++
Head of the contract of the	= ++
Boric acid, aqueous 10 % ++ + + + + + +   Sopropy  ether	++
Bromine = = = = Lactic acids = = =  Butane = ++ ++ Lead acetate, aqueous 10 % + ++  Butter = ++ ++ Lead nitrate ++  Butylene dichloride = = Liquid ammonia 20 % ++ ++  Calcium salts + ++ Magnesium salts, aqueous 10 % ++  Carbolineum = ++ = Malic acid ++	=
Butane = ++ ++ Lead acetate, aqueous 10 % + ++ Butter = ++ ++ Lead nitrate ++ Butylene dichloride = Eliquid ammonia 20 % ++ ++ Calcium salts + ++ Magnesium salts, aqueous 10 % ++ Carbolineum = ++ = Malic acid ++	++
Butter = ++ ++ Lead nitrate ++ Butylene dichloride = Elquid ammonia 20 % ++ ++ Calcium salts + ++ Magnesium salts, aqueous 10 % ++ Carbolineum = ++ = Malic acid ++	= ++
Butylene dichloride = = Liquid ammonia 20 % ++ ++ Calcium solts + ++ Magnesium solts, aqueous 10 % ++ Carbolineum = ++ = Malic acid ++	++ =
Calcium salts + ++ Magnesium salts, aqueous 10 % ++ Carbolineum = ++ = Malic acid ++	++
Carbolineum = ++ = Malic acid ++	= ++
	++ ++
Carbon monoxide hot ++ = Manannese salts 10 % ±	+ ++ 2)
tungunoso suns	
Carbon tetrachloride = ++ = Mercury chloride =	++ ++
Carbonic acid ++ Methyl alcohol + +	++ ++
Casein ++ Methyl ethyl ketone = ++	= ++
Castor oil ++ Methylene chloride = =	=
Caustic potash = Methylpyrrolidone	=
Coustic soda = Milk ++ ++	++
Chlorine, chlorinated water = = = Mineral oils = ++	++
Chromic acid, aqueous 10 % = + + = Monobromobenzene =	=
Citric acid, aqueous 10 % ++ ++	
Citrus oils ++ Mustard	++
Cobalt salts, aqueous 20 % + Naphthalene = ++	= ++ 3)
Coconut oil $=$ ++ ++ Nickel chloride, aqueous $10\%$ ++ +	++
Copper chloride ++ ++ ++ Nickel calls, aqueous 10 % ++	++
	++
Cottonseed oil ++ Oil = ++  Cresol = ++  Oleic acid = ++	++
	++
Cyclohexanol + ++ + Oxalic acid, aqueous 10 % +	++
Descaler, aqueous	++
Dichlorobenzene = ++ = = Palmitic acid = ++	=
Diethylene glycol ++ ++ ++ Paraffin = ++	=
Dimethyl aniline = Phenyl benzene =	=
Dimethyl ether + ++ ++ ++ Phenylethyl ether =	++
Dimethylformamide $+$ $++$ $=$ $++$ $1)$ Phosphoric acid, aqueous $10\%$ $+$ $=$	++
Ethanolamine = Potassium chloride 10 % + ++	++ +1)

<sup>++</sup> Resistant + conditionally resistant = Non-resistant 1) max. 20 °C 2) max. 60 °C 3) Crystalline

This information is not legally binding.



# Resistance to environmental influences

Chemistry		Material				Chemistry		Material			
	Concentration	Rubber	Polyamide	Polyurethane	Polypropylene		Concentration	Rubber	Polyamide	Polyurethane	Polypropylene
Potassium cyanide				+		Sulphurous acid		+	+	=	++
Potassium hydroxide			++	=	++	Tannic acid	10 %	++			
Potassium sulphate		++		++	++	Tartaric acid, aqueous	10 %	++	++	+	
Propane		=	++	++		Toluol		=	++	=	=
Propyl alcohol				+		Trichlorethylene		=	+	=	=
Road salt (solutions)			++			Turpentine oil		=	++	+	=
Silver nitrate		+		++	++	Uranium fluoride			=		
Soda solution, aqueous	10 %	++	++			Uric acid, aqueous	10 %	++	++		
Sodium carbonate, aqueous	10 %		++	=	++	Urine		++	++		
Sodium chloride, aqueous	10 %	+	=	++	++ 1)	Vaseline			++	=	++ 2)
Sodium cyanide, aqueous	10 %		++	=		Vegetable oils		=	++	++	
Sodium hydroxide	50 %	++	+	=	++	Vinyl chloride, 80 °C			++		
Sodium hydroxide, aqueous				=	++	Washing Iye, 80 °C		++	++		
Sodium nitrate, aqueous	10 %	++	++	++	++	Wastewater			++	+	
Sodium phosphate, aqueous	10 %	++	++	++	++	Water (sea water)		++	++	+	
Sodium silicate, aqueous	10 %	++	++	+		Water, cold		++	++	++	
Sodium sulphate, aqueous	10 %	++	++	++		Water, up to 80 °C		+	++	=	
Sodium sulphide, aqueous	10 %	+	++	+		Wax, 80 °C			++		
Sodium thiosulfate	10 %	++	++	+		Xylol		=	++	=	=
Spruce needle oil		=		++		Zinc chloride, aqueous	10 %	++	+	=	++
Stearic acid		=	++	=		Zinc rhodanide	30 %		=		

++ Resistant + conditionally resistant = Non-resistant 1) max. 20  $^{\circ}$ C 2) max. 60  $^{\circ}$ C 3) Crystalline

This information is not legally binding.

# Temperature resistance

Type of tyres	Temperature resistance				
material	in °C long-term				
Besothane	-20 °C/+70 °C				
Cast	-20 °C/+120 °C				
Cast polyurethane	-20 °C/+70 °C				
Elastic rubber	-20 °C/+80 °C				
Pneumatic tyre (rubber)	-20 °C/+40 °C				
Polyamide	-20 °C/+80 °C				
Polypropylene	-20 °C/+60 °C				
Prothane®	-20 °C/+70 °C				
Solid rubber/plastic rim	-20 °C/+60 °C				
Solid rubber/steel rim	-20 °C/+80 °C				
Thermoplastic mixture	-40 °C/+280 °C				
Thermoplastic polyurethane	-20 °C/+70 °C				
Thermoplastic rubber	-20 °C/+60 °C				



#### **Technical guide**







**overloading** the load capacity



**overloading**due to lateral force



**overloading**due to impact and fall



overloading due to movement in the locked state



**overloading**due to uneven floors



**overloading**due to chemical media



**overloading**due to excessive speed



**overloading**due to thermal effects

#### Improper use of the wheels exists if:

- · the wheels and castors are used with a load capacity that exceeds the maximum load capacity as shown in the manufacturer's technical data;
- · the use takes place on an unsuitable surface;
- $\cdot$  they are exposed to too high or too low ambient temperatures;
- $\cdot$  a device with locked wheels and castors is forcibly moved;
- · fixed castors are moved lateral to the direction of travel;
- · particularly aggressive media are able to act;
- · improper impact and drop loads are able to act on wheels and castors;
- $\cdot$  foreign bodies are able to penetrate the tread;
- $\cdot$  the wheels and castors are being moved or driven at too high a speed;
- $\cdot$  modifications are made that have not been agreed with the manufacturer;
- $\cdot$  soft tread is used on soft floors, hard tread is used on hard floors.









#### **Product liability information**

All deliveries by BS Rollen GmbH are subject to our delivery and payment conditions, which can be viewed at www.bs-rollen.de/agb/. When assessing our liability and obligations as the manufacturer of our products, in particular in accordance with Section 4 of the Product Liability Act and Section 3, Paragraph 2 of the Product Safety Act, all the information and notes about BS Rollen products available on the website www.bs-rollen.de and contained in our product catalogue www.bs-rollen.de/service/downloads/ must be observed. Non-observance releases us as manufacturer from liability.

#### 1.0 Product information and intended use

Wheels and castors in the sense of this definition are components that are generally replaceable and that are attached to devices, furniture and transport systems or related products to make them drivable.

This product information relates to wheels and castors, in particular to passively steering castors (swivel castors), for vehicles and devices that are not moved by machines, hereinafter referred to as objects, which are usually not moved faster than walking speed (4 km/h) and are not in continuous operation.

Wheels and castors in the sense of this product information can be classified for the following areas of application:

#### Living area:

 $\cdot$  e.g. seating, home furniture

#### Service sector:

- · general service sector,
- e.g. shopping trolleys, office furniture
- hospital sector,
  e.g. hospital beds

#### Industrial sector:

· e.g. transport equipment for medium weight and heavy loads

# Proper assembly in particular forms part of the intended use:

- a. The product must be firmly connected to the object at all points provided for this.
- b. The object must have sufficient strength at these points.
- The function of the product must not be impaired or changed by assembly.
- d. Castors must be mounted in such a way that their swivel axes are vertical.
- e. Fixed castors must be installed in such a way that their wheel axles are aligned with one another.
- Only castors of the same construction height are to be used on an object.
- g. Wheels made of thermoplastic elastomers (TPE) contain oil and can cause contact discolouration on sensitive surfaces.

Special design products must be specified for damp rooms, direct weathering, near the sea or for use in aggressive, corrosive environments. Unless a further temperature range is specified for standard products in our catalogue, these are suitable for use in a temperature range between 5 °C and 30 °C. Special design products must be specified for use outside this temperature range; under no circumstances may standard products be operated with nominal load under such conditions. The wheel, housing, locking device and axle accessories form a functional unit. Liability exists only for original products. When selecting the castors, all possible loads must be known. Otherwise, these must be estimated with sufficient safety margins (see technical advisor).

#### 2.0 Misuse

Misuse – i. e. improper product use of wheels and castors – exists, for example, if

- a. the wheels and castors are used with a higher load capacity than the max. load capacity appearing in the catalogue.
- b. it is used on unsuitable, uneven ground.
- c. the ambient temperature is too high or too low.
- d. a device with locked castors is forcibly moved or the locking device is used as a travel brake.
- e. particularly aggressive media are able to act.
- f. there are improperly rough impacts and drop loads.
- g. foreign bodies are able to penetrate the bandages.
- h. the wheels and castors are used at too high a speed.
- i. modifications are made that have not been agreed with the manufacturer.
- j. mechanical damage occurs due to external influences or collisions.

#### 3.0 product performance

If the product services are not individually specified in our catalogues, brochures, service descriptions, etc., the requirements for our wheels and castors or their components must be agreed with us. The relevant DIN, ISO and EN standards provide an orientation. Unlike standard wheels and castors, the locking forces of castors with locking systems are designed to have optimal ratio between high locking force and, at the same time, low actuation force.

#### 4.0 Product maintenance

Recommended annual maintenance/inspection:

- Products with a grease nipple should be re-lubricated once a year until some grease seeps out of the bearings. We recommend an all-purpose calcium complex soap grease (Renolit CX-EP 2 or similar) with a usage temperature of -30 °C to +140 °C.
   For differing application conditions, we recommend an adapted lubricant.
- 2. Check screw connections for tight fit.
- Functional check of wheel, slewing ring, locking device, directional lock, brakes and other accessories.
- Check wheel bearing play and slewing ring play, ideally in accordance with DIN EN 12530 to 12533. (ISO 22881 to ISO 22884)
- Check the air pressure on pneumatic tyres according to the information in the BS Rollen general catalogue.
- Check for wear and abrasion on solid rubber tyres and treads. Guide value: max. abrasion < half the layer thickness</li>

We recommend carrying out the above measures more frequently if the operating conditions differ significantly from the standard. Only cleaning agents that do not contain any corrosive or damaging components may be used. Castors or their components must be replaced as soon as malfunctions occur.

#### 5.0 Information and instruction obligations

The following are available to fulfil the information and instruction obligations as well as the maintenance work according to the product liability law:

- · for trade
- Catalogues with product and user information
- · for the further processor:
- Catalogues with product and user information
- · for the user:
- Product and user information

Further information can be found on our website: www.bs-rollen.de

To ensure the function of wheels and rollers

- tradespersons are required to observe this product information (items 1.0 5.0) and the user information and, if necessary, request it from the manufacturer and pass it on to the processor.
- processors are required to observe this product information (points 1.0 5.0) and the user information and, if necessary, request it from the manufacturer and pass it on to the user.

Illustrations, drawings, dimensions, etc. are subject to change and are therefore not binding.

# DIVERSITY INSTEAD OF DULLNESS

The wheels and castors we can offer you are as diverse as your requirements. You can combine individual wheels for your special requests with our different fork or housing types or axle sets. Individual wheels are a highly economical choice for continued use of existing housings or axles, particularly when it comes to replacement needs. Individual wheels can replace inconvenient, inefficient wheels with modern wheel types.

There are many kinds of loose wheels. Door and rope pulleys steer opening, various types of wheel are used in model and toy construction and you will find a solution for everything, from pallet truck wheels to heatresistant wheels, wheels made of different materials to cast wheels. Of course, you can also order many wheels from our complete castor and wheel range individually. Have a look through our whole range of castors and wheels.



# WHEELS

WHEELS AXLES WHEELSETS

DOOR AND GATES
CONSTRUCTION
MODEL AND
TOY BUILDING
WHEELBARROW/
HAND CARTS
PALLET TRUCKS
MECHANICAL
ENGINEERING
APPARATUS BUILDING
BAKERIES
MEDICAL TECHNOLOGY
FURNITURE MAKING
INTRALOGISTICS



# Door castors/rope sheaves





30 – 245 kg

Rope sheave

Wheel Body Plastic

Bearing Plain bearing



0	0	3	•••	-	Ď		# <del>**</del>	
mm	mm	kg	mm	mm	mm	mm		

40/32	12	35	6	15	8	A30.040
48/40	12	42	8	15	8	A30.048
60/38	30	90	12	18	20	A30.060
65/57	12	50	8	15	8	A30.065
73/65	13	55	10	17	8	A30.073
76/66	15	75	11	17	10	A30.076
80/62	22	140	12	25	12	A30.080
90/70	18	130	10	21	10	A30.090

Rope sheave Wheel Body Plastic

**Bearing** Ball bearing



40/30 50/38 65/55 78/56 78/66 13 13 50 50 137 A35.040 10 A35.050 12 15 10 5 8 A35.060 138 10 A35.078 245 15 10 A35.079

**Door castor** 

Wheel Body Cast iron

**Bearing** Plain bearing and axle



60/50	16	30	5	8/9	M8x52	A15.060
75/61	17	40	7	10/11	M10x69	A15.075
90/74	21	50	8	11/13	M10x74	A15.090
105/89	21	70	8	11/13	M10x74	A15.105
120/100	23	100	10	12/14	M10x79	A15.120
140/116	25	150	12	14/16	M12x87	A15.140

Sliding door roller with bracket

Wheel Body Cast iron

**Bearing** Plain bearing and axle



60	30	25/6 - 35/6	25x5	246	6,5	A25.060
75	40	35/8 - 50/8	30x6	359	7	A25.075
90	50	40/10 - 55/10	35x8	419	9	A25.090
105	70	40/10 - 55/10	40x8	429	9	A25.105
120	100	45/10 - 60/10	50x8	490	11	A25.120
140	150	55/12 - 70/12	50x10	579	11	Δ25 140

 $\overline{\overline{U}}$ 

mm

mm

For guide rail width/thickness

mm

 $\bigcirc$ 



175

50

75

32

18

23

35

40

40

50

0 0 (O) (ullet)Shore A mm mm mm

15 – 70 kg

37	13	3,5	8		A50.040
60	16	3,5	15		A50.060
70	19	4,5	18		A50.070
100	22	4,5	22		A50.100
150	22	4,5	22		A50.150



Wooden wheel

Tread Rubber black

Wheel Body Wood

**Bearing** Plain bearing

اممه	disc	wheel
JIEEI	aisc	wileei

Tread Black PVC tyre

Wheel Body Steel rim

**Bearing** Plain bearing



Plastic disc wheel

Tread Black PVC tyre

Wheel Body Plastic

**Bearing** Plain bearing

Skater wheel

Tread Plastic

Wheel Body Plastic

**Bearing** Plain bearing

Skater wheel

Tread Polyurethane

Wheel Body Plastic

Bearing Ball bearing

130	20	15	12	31		A70.130
180	25	20	12	33		A70.180
210	22	50	12	47		A70.210

34

34

22

30

12

12

8





A75.146

A75.165

		A73.050	
		A73.075	



Black trea	d, black rir	n					
			0	10	OΓ	/00 anc	A7/ 0/2
63	18	35	8	18	85	608 2RS	A76.063
72	24	40	8	24	85	608 2RS	A76.072
76	24	40	8	24	85	608 2RS	A76.076
80	24	50	8	24	85	608 2RS	A76.080
Transpare	nt tread, si	lver rim					
100	24	60	8	24	85	608 2RS	A76.100
125	24	70	8	24	85	608 2RS	A76.125



NEW

NEW

NEW



**3**0 − 100 kg

#### **Rubber wheel**

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



0	0	3	•••	-	00	Shore A (+/- 3)		
mm	mm	kg	mm	mm				

25	13	30	5	15	85	A80.025
25	20	30	8	20	95	A80.027
30	14	35	5	15	95	A80.030
50	20	50	6	22	85	A80.054
75	25	60	6	28	85	A80.078
80	21	80	12	37	85	A80.081
100	24	55	8	30	85	A80.100
100	28	60	12	32	93	A80.102
100	24	70	8	28	85	A80.105
125	30	100	12	35	85	A80.125
125	28	70	12	32	93	A80.126
150	32	100	15	38	85	A80.151

#### **Rubber wheel**

#### Tread

Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



Thermoplastic rubber grey

#### Wheel Body

Plastic red

#### Bearing



#### **Rubber wheel**

#### Tread

Thermoplastic rubber green

#### Wheel Body

Plastic black

#### **Bearing**

Ball bearing

#### Rubber wheel

#### Tread

Thermoplastic rubber light blue

#### Wheel Body

Plastic nature

#### **Bearing**

Ball bearing



50	20	50	6	22	85	A85.051
75	25	60	6	28	85	A85.076
80	21	80	8	37	85	A85.081
100	30	100	8	36,5	85	A85.101
100	24	70	8	28	85	A85.105
125	31	100	8	36,5	85	A85.125
150	32	100	10	38	85	A85.151



50	20	50	6	22	85	A85.051.F003
75	25	60	6	28	85	A85.076.F003



50	20	50	6	22	85	A85.051.F004
75	25	60	6	28	85	A85.076.F004



50	20	50	6	22	85	A85.051.F005
75	25	60	6	28	85	A85.076.F005



-Shore A (+/- 3) (O) 0 0  $(\bullet \bullet)$ 

35 – 100 kg

50	18	40	6	22,5	85	A89.050
75	24	50	6	29	85	A89.075
80	30	80	8	36,5	80	A89.081
100	28	70	8	30	87	A89.100
100	30	100	8	36,5	80	A89.101
125	32	100	8	36.5	87	A89.126

Available variant: Slide bearings



Rubber wheel, electrically conductive Tread Thermoplastic rubber grey

Wheel Body Plastic **Bearing** 

Ball bearing

<b>Ø</b>	0	3	•••	<del>- []</del> -	00	Shore A (+/- 5)	
mm	mm	kg	mm	mm			

100	32	35	8	36	6000	70/45	A86.100
125	32	35	8	36	6000	70/45	A86.126
150	33	40	8	36	6000	70/45	A86.151



Rubber wheel puncture free 2-components

Tread Rubber grey

Wheel Body Plastic

**Bearing** Ball bearing

0	0	3	•••	-	00	Shore A (+/- 5)	
mm	mm	kg	mm	mm			

125	30	50	8	36	6000	85	A88.125
150	30	50	8	36	6000	85	A88.150
250	50	50	12	54	6201	85	A88.250



Polyurethane wheel

Tread Polyurethane grey

Wheel Body Plastic

Bearing Ball bearing

## Wheels for conveyor technology





 $\frac{1}{1}$  5 – 40 kg

#### **Multi-directional rollers**

Plastic, hard tread



50	39,5	10	8,2	40	A59.050
60	51,5	20	8,2	40	A59.060
80	61,5	40	8,2	44	A59.080



Double castor with eight barrel castors for transporting, turning and pushing conveyed goods in all directions, for use in roller conveyors.

#### Nylon wheels

blue with ball bearing bearing cups hardened for roller track use



48 16 5,4 8,2 24	A60.048
------------------	---------

#### Sheet steel wheels silver with ball bearing bearing cups hardened

for roller track use



48	16	7,7	6,2	24		A65.048
48	16	7,3	8,2	24		A65.049

**Available variant** Normal small castors with buffer ring made of PU

#### Solid rubber wheel

Thermoplastic rubber, yellow, non-marking, on nylon wheel body

(A80.050.SO =grey tread)



49	18	40	8	22	A80.050.S0.MG
49	18	40	8	22	A80.050.S0





50

kg

1000

20





Material

A90.206



10 – 1000 kg

A90.058 58 25 100 8 33 PP 80 30 40 PA A90.081 150 12 100 30 200 12 40 PA A90.104 100 27 90 12 32 PA A90.105 400 100 35 20 44 PA A90.107 125 37,5 300 15 44 PA A90.128 45 20 58 PA A90.131 125 750 50 150 40 350 20 PΑ A90.152 150 40 350 20 58 PA A90.153 150 45 800 20 58 PA A90.155 58 200 50 550 20 PA A90.202

58

PA



Plastic wheel

Tread Plastic white

Wheel Body Plastic white

**Bearing** Plain bearing

25	14	10	5	14	PP	A90.025
30	14	15	5	15	PA	A90.030
38	18	20	6	11	PP	A90.038
45	18,5	35	6	21	PP	A90.045
50	18	50	8	21	PP	A90.050
50	18	50	6	22	PA	A90.051
75	23	50	10	26	PP	A90.075
100	24	60	12	28	PP	A90.100

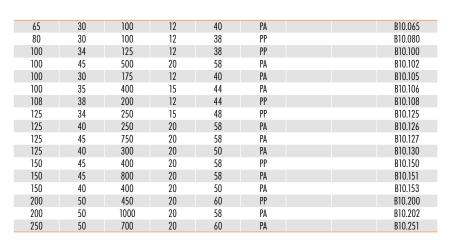


Plastic wheel

Tread Plastic black

Wheel Body Plastic black

Bearing Plain bearing





Plastic wheel

Tread Plastic white

Wheel Body Plastic white

**Bearing** Roller bearing

100	35	400	15	44	PA	B14.100
125	45	750	20	58	PA	B14.125
150	45	800	20	58	PA	B14.150
200	50	1000	20	58	PA	B14.200





Plastic wheel

Tread Plastic

Wheel Body Plastic

**Bearing** Stainless steel roller bearing





150 – 11000 kg



(ullet)

Material

Plastic wheel

Tread

Plastic

Wheel Body

Plastic

**Bearing** Ball bearing



Ī	80	30	300	8	40	PA	B15.083
	100	32	330	8	40	PA	B15.105
	100	50	300	12,5	59	PP	B15.109
	125	50	450	12,5	59	PP	B15.131
	150	50	650	12,5	59	PP	B15.156
	200	50	750	12.5	59	PP	B15.205



Crowned running surface and best rolling properties, Dirt and splash water protected, with thread protection

Plastic wheel

Tread Plastic

Wheel Body

Plastic

**Bearing** Ball bearing



80	30	150	15	40	PA	B15.080
85	85	1200	20	85	PA	00K085-85-20
100	30	175	15	40	PA	B15.100
100	35	450	15	40	PA	B15.102
125	50	700	20	60	PA	B15.129
150	48	900	20	60	PA	B15.152
175	50	500	20	60	PA	B15.175
200	50	600	20	60	PA	B15.200
200	50	1000	20	58	PA	B15.201
200	50	1200	25	60	PA	B15.203
250	60	1400	25	60	PA	B15.251
300	60	2000	25	75	PA	B15.300

Polyamide wheel

Tread

Cast polyamide

Wheel Body

Cast polyamide

**Bearing** 

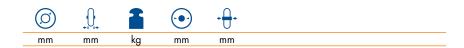
Ball bearing



100	55	1500	25	60	PA	B16.100
125	55	2000	25	60	PA	B16.125
150	55	2500	30	60	PA	B16.150
150	80	3000	35	85	PA	B16.151
200	55	3000	35	60	PA	B16.200
200	80	4500	45	85	PA	B16.205
250	80	6000	50	85	PA	B16.250
250	100	8000	70	108	PA	B16.251
300	80	7000	50	85	PA	B16.302
300	100	9000	70	108	PA	B16.303
400	80	9000	50	85	PA	B16.401
400	100	11000	70	108	PA	B16.402











100 35 170 12 40 B22.100



Heat resisting wheel from -40 °C to +280 °C, short time to +300 °C

Tread

Thermoplastic blend

Wheel Body

Thermoplastic blend

**Bearing** 

Plain bearing



Heat resisting wheel from -40 °C to +250 °C

Tread

Rubber blue

Wheel Body

Aluminium

**Bearing**Ball bearing

Heat-resistant spare wheels for use on rack trolleys,

reliable from low to high temperatures

B24.100

# -40 °C/+280 °C





NEW



70 – 750 kg

#### Polyurethane wheel

#### **Tread**

Polyurethane red 98 +/- 4 Shore A

#### Wheel Body

Plastic

#### Bearing

Plain bearing

#### Polyurethane wheel

#### Tread

Polyurethane red 98 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing

#### Polyurethane wheel

#### Tread

Polyurethane red 98 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing

#### Polyurethanrad Tread

Polyurethane red 98 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Stainless steel roller bearing

#### Polyurethane wheel

#### Tread

Polyurethane blue 85 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing

#### Polyurethane wheel

#### Tread

Polyurethane blue 85 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing







(••<u>-</u>)

Ī	80	28	100	12	40		B26.080
	100	30	140	12	40		B26.100
	125	32	180	15	44		B26.125
	150	35	240	15	44		B26.150
	200	45	380	20	58		R26 200



80	28	100	12	40		B31.080
100	30	140	12	40		B31.100
125	32	180	15	44		B31.125
150	35	240	15	44		B31.150
200	45	380	20	58		B31.200



100	40	300	15	44		B27.100
125	40	400	15	44		B27.125
125	45	500	20	58		B27.126
150	45	600	20	58		B27.150
200	50	750	20	58		B27.200



100	40	300	15	44		B28.100
125	40	400	15	44		B28.125
125	45	500	20	58		B28.126
150	45	600	20	58		B28.150
200	50	750	20	58		B28.200



80	28	70	12	40		B32.080
100	30	110	12	40		B32.100
125	32	150	15	44		B32.125
150	35	200	15	44		B32.150
200	45	300	20	58		B32.200



80	28	70	12	40		B36.080
100	30	110	12	40		B36.100
125	32	150	15	44		B36.125
150	35	200	15	44		B36.150
200	45	300	20	58		B36.200





100

125

160

200

250

200

50

205

22,5

30

30

37,5

40

50

50

50

70

100

135

205

250

12

12

15

20

20

20



kg



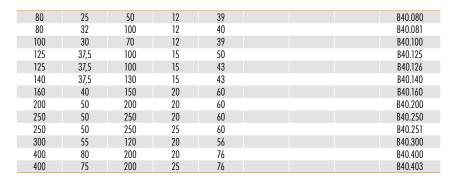








**3** 50 − 250 kg





**Rubber wheel** 

Tread Rubber black

Wheel Body Plastic black

**Bearing** Plain bearing

400	75	200	20	76	B40.402	

40

40

50

60

60

60



**Rubber wheel** 

Tread Rubber black

Wheel Body Plastic red

Bearing Plain bearing



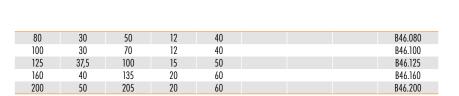
B50.200

Rubber wheel

Tread Rubber black

Wheel Body Plastic

**Bearing** Roller bearing





**Rubber wheel** 

Tread Rubber grey

Wheel Body Plastic





Wheel for refuse containers 80/100/120/240 l

Tread Rubber black

Wheel Body Plastic

**Bearing** Plain bearing





**3** 50 − 400 kg

#### **Rubber wheel**

#### Tread

Rubber black

#### Wheel Body

Zinc plated steel

**Bearing**Roller bearing



0	0	3	•••	-	
mm	mm	kg	mm	mm	

80	25	50	12	40		B55.080
100	30	70	12	40		B55.100
125	37	100	15	50		B55.125
140	38	115	15	50		B55.140
150	37,5	160	20	49		B55.150
160	40	135	20	60		B55.160
180	45	170	20	58		B55.180
200	50	205	20	60		B55.200
250	50	250	25	60		B55.250
280	70	400	25	84		B55.280
400	70	400	25	75		B55.400

Available variant: Ball-bearing

#### **Rubber wheel**

#### Tread

Rubber grey

#### Wheel Body

Zinc plated steel

#### **Bearing**

Roller bearing

#### Rubber wheel

#### Tread

Rubber black, electrically conductive

#### Wheel Body

Zinc plated steel

#### Bearing

Roller bearing



	80	26	50	12	40		B56.080
	100	30	70	12	40		B56.100
	125	37	100	15	50		B56.125
	160	40	135	20	60		B56.160
	180	45	170	20	58		B56.180
	200	50	205	20	60		B56.200
_	-1 1.1	· . n	11.1				

Available variant: Ball-bearing



80	30	65	12	39		B58.080
100	30	80	12	39		B58.100
125	37	115	15	49		B58.125
160	40	160	20	58		B58.160
200	50	225	20	58		B58.200













80	32	100	12	40	72		B43.081
100	32	110	12	40	72		B43.101
125	32	120	15	50	72		B43.126
160	45	200	15	60	72		B43.161
200	45	220	20	60	72		B43.201
250	45	300	20	60	72		B43.250
250	45	300	25	60	72		B43.251





100 – 300 kg

#### **Rubber wheel**

#### Tread

Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



#### Tread

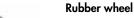
Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing



#### Tread

Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



B44.201

B44.250

B44.251

A85.084

A85.104

A85.128

A85.162

A85.202

A85.250

A85.251

A85.252





#### TPE is the new comfort material:

- · Does not leave tracks
- · Extra quiet
- · Easily manoeuvrable
- · Low rolling resistance
- · Excellent driving comfort





100 – 220 kg



0	0	•••	•••		Shore A (+/- 3)
mm	mm	ka	mm	mm	

#### **Rubber wheel**

#### Tread

Thermoplastic rubber light grey

#### Wheel Body

Plastic orange

#### Bearing

Roller bearing



#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic red

#### **Bearing**

Roller bearing

#### **Rubber wheel**

#### Tread

Thermoplastic rubber green

#### Wheel Body

Plastic black

#### **Bearing**

Roller bearing

#### **Rubber wheel**

#### Tread

Thermoplastic rubber light blue

#### Wheel Body

Plastic nature

#### **Bearing**

Roller bearing



80	32	100	12	40	72	B44.081.F002
100	32	110	12	40	72	B44.101.F002
125	32	120	15	50	72	B44.126.F002
160	45	200	15	60	72	B44.161.F002
200	45	220	20	60	72	B44.201.F002



80	32	100	12	40	72	B44.081.F003
100	32	110	12	40	72	B44.101.F003
125	32	120	15	50	72	B44.126.F003
160	45	200	15	60	72	B44.161.F003
200	45	220	20	60	72	R44 201 F003



80	32	100	12	40	72	B44.081.F004
100	32	110	12	40	72	B44.101.F004
125	32	120	15	50	72	B44.126.F004
160	45	200	15	60	72	B44.161.F004
200	45	220	20	60	72	B44.201.F004



80	32	100	12	40	72	B44.081.F005
100	32	110	12	40	72	B44.101.F005
125	32	120	15	50	72	B44.126.F005
160	45	200	15	60	72	B44.161.F005
200	45	220	20	60	72	B44.201.F005



Special production in your desired colours. See page 128 for details.









100	30	140	12	40		B60.100
125	45	140	15	50		B60.125
125	50	300	20	58		B60.126
160	50	250	20	58		B60.160
200	50	350	20	58		B60.200

80	32	150	12	40		B61.080
100	26	140	12	40		B61.101
125	45	140	15	50		B61.125
125	50	300	20	58		B61.126
160	42	300	20	60		B61.160
200	50	400	20	60		B61.200

80	32	120	8	42		B62.081
100	32	150	8	42		B62.101
125	32	180	10	46		B62.126
160	50	300	12	60		B62.161
200	50	400	12	60		B62.201

100       40       150       15       40       B80.100         125       40       180       15       40       B80.127         125       40       200       20       45       B80.126         125       50       220       20       50       B80.125         160       50       300       20       60       B80.160         180       50       350       20       60       B80.180         200       50       450       20       60       B80.200         250       50       550       20       60       B80.251         250       60       60       20       70       B80.250         300       60       700       30       75       B80.300							
125         40         200         20         45         B80.126           125         50         220         20         50         B80.125           160         50         300         20         60         B80.160           180         50         350         20         60         B80.180           200         50         450         20         60         B80.200           250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	100	40	150	15	40		B80.100
125         50         220         20         50         B80.125           160         50         300         20         60         B80.160           180         50         350         20         60         B80.180           200         50         450         20         60         B80.200           250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	125	40	180	15	40		B80.127
160         50         300         20         60         B80.160           180         50         350         20         60         B80.180           200         50         450         20         60         B80.200           250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	125	40	200	20	45		B80.126
180         50         350         20         60         B80.180           200         50         450         20         60         B80.200           250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	125	50	220	20	50		B80.125
200         50         450         20         60         B80.200           250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	160	50	300	20	60		B80.160
250         50         550         20         60         B80.251           250         60         600         20         70         B80.250           300         60         700         30         75         B80.300	180	50	350	20	60		B80.180
250         60         600         20         70         880.250           300         60         700         30         75         880.300	200	50	450	20	60		B80.200
300 60 700 30 75 B80.300	250	50	550	20	60		B80.251
	250	60	600	20	70		B80.250
100 40 150 15 40 B83.100	300	60	700	30	75		B80.300
100 40 150 15 40 B83.100							
100 40 150 15 40 B83.100							
	100	40	150	15	40		B83.100

50

60

60

125

125

160

200

40

50

50

200

220

300

450

20

20 20

20



NEW

B83.126

B83.125

B83.160

B83.200







120 – 700 kg

#### **Rubber wheel**

Tread Elastic rubber black

Wheel Body Plastic

**Bearing** Roller bearing

**Rubber wheel** Tread Elastic rubber blue Wheel Body

Plastic

Bearing Roller bearing (80 mm Ø with plain bearing, 100 mm Ø with threadguards)

#### **Rubber wheel**

Tread Elastic rubber blue

Wheel Body Plastic

Bearing Ball bearing

#### **Rubber wheel**

Tread Elastic rubber black

Wheel Body Aluminium

**Bearing** Ball bearing

#### **Rubber wheel**

Tread Elastic rubber grey

Wheel Body Aluminium

Bearing Ball bearing





150 – 3500 kg

#### **Rubber wheel**

#### Tread

Elastic rubber black

Wheel Body

Cast iron

**Bearing** 

Ball bearing



0	0	3	•••	-	
mm	mm	kg	mm	mm	

100	38	150	20	41		B81.100
100	50	210	20	60		B81.101
125	50	275	20	60		B81.127
150	50	350	25	60		B81.151
200	50	450	25	60		B81.202
200	75	550	30	82		B81.203
200	100	675	40	108		B81.204
250	50	500	25	60		B81.252
250	75	750	30	82		B81.253
300	75	850	30	82		B81.303
400	75	1200	30	82		B81.400
400	100	1500	40	108		B81.401

# Polyurethane wheel

#### Tread

 $\text{Prothane}^{\text{\tiny{\it l\! B}}}$ cast polyurethane 95 +/- 3 Shore A

#### Wheel Body

Cast iron

#### Bearing

Ball bearing



80       36       250       15       36       C10.081         100       30       250       15       39       C10.102         100       38       295       20       41       C10.105         100       50       400       20       60       C10.106         125       30       300       15       39       C10.125         125       40       400       20       50       C10.126         125       50       550       20       60       C10.128         150       40       500       20       50       C10.150         150       50       700       20       50       C10.152         150       50       800       25       60       C10.153         150       75       1200       25       82       C10.153         150       75       1200       25       82       C10.157         160       50       850       20       60       C10.150         200       50       1000       25       60       C10.201         200       80       1400       30       80       C10.250         25
100         38         295         20         41         C10.105           100         50         400         20         60         C10.106           125         30         300         15         39         C10.125           125         40         400         20         50         C10.126           125         50         550         20         60         C10.128           150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250 </td
100         50         400         20         60         C10.106           125         30         300         15         39         C10.125           125         40         400         20         50         C10.126           125         50         550         20         60         C10.128           150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
125         30         300         15         39         C10.125           125         40         400         20         50         C10.126           125         50         550         20         60         C10.128           150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
125         40         400         20         50         C10.126           125         50         550         20         60         C10.128           150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
125         50         550         20         60         C10.128           150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
150         40         500         20         50         C10.150           150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
150         50         700         20         50         C10.152           150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
150         50         800         25         60         C10.153           150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
150         75         1200         25         82         C10.157           160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
160         50         850         20         60         C10.160           200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
200         50         1000         25         60         C10.201           200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
200         80         1400         30         80         C10.202           250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
250         50         1200         25         60         C10.250           250         75         1600         30         82         C10.257
250 75 1600 30 82 C10.257
250 100 2200 40 108 (10.259
250 100 2200 10 100 (10.237
300 50 1500 25 60 C10.305
300 75 2000 30 82 C10.306
300 100 2800 40 100 C10.307
400 75 2500 30 82 C10.405
400 100 3500 40 108 C10.406

#### Polyurethane wheel

#### Tread

Cast polyurethane 78 Shore A

Wheel Body

Cast iron

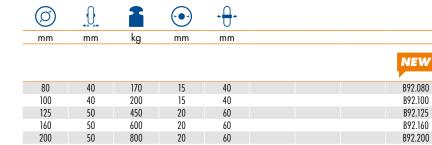
#### Bearing

Ball bearing



100	40	270	20	50		C11.100
125	50	400	20	60		C11.100
150	50	500	20	60		C11.150
200	50	650	25	60		C11.201
250	50	800	30	60		C11.251
250	80	950	30	85		C11.253
300	70	1250	30	70		C11.300







B92.250

B90.080

B90.081

B90.100

B90.101

B90.102

B90.125

B90.127

B90.126

B90.150

B90.152

B90.160

B90.200

B90.251



120 – 1000 kg

Polyurethane wheel Tread Besothane cast polyurethane 83 +/- 3 Shore A

Wheel Body Aluminium

Bearing Ball bearing



#### Polyurethane wheel Tread Prothane®

cast polyurethane 95 +/- 3 Shore A

Wheel Body Aluminium

**Bearing** Ball bearing

100	30	150	12	40		B91.100
125	40	225	15	40		B91.125
160	50	500	20	60		B91.160
200	50	700	20	60		B91.200



#### Polyurethane wheel Tread

Cast polyurethane 78 Shore A

Wheel Body Aluminium

**Bearing** Ball bearing

# Wheels/pallet truck wheels



NEW



100 – 1000 kg

#### Polyurethane wheel

#### Tread

Polyurethane 90 +/- 3 Shore A

#### Wheel Body

Steel

#### **Bearing**

Ball bearing



0	0	3	•••	-
mm	mm	ka	mm	mm

35	25	100	8	25		C10.035	
50	25	120	10	25		C10.050	



$\bigcirc$	0
mm	mm









Polyurethane wheel

#### Tread

Cast polyurethane 95 +/- 3 Shore A

#### Wheel Body

Steel

#### **Bearing**

Ball bearing



75	62	470	61,6	20x47x14	6204-Z	C40.75.20
75	75	570	75	20x47x14	6204-Z	C40.75.20A
80	50	460	50	20x47x14	6204-Z	C40.80.20
80	54	500	54	20x47x14	6204-Z	C40.80.20A
80	70	700	70	20x47x14	6204-Z	C40.80.20B
80	80	800	80	20x47x14	6204-Z	C40.80.20C
80	90	900	90	20x47x14	6204-Z	C40.80.20D
82	60	600	56	20x47x14	6204-Z	C40.82.20A
82	70	500	70	20x47x14	6204-Z	C40/82/70/73/20
82	70	700	66	20x47x14	6204-Z	C40.82.20B
82	75	750	75	20x47x14	6204-Z	C40.82.20D
82	90	900	90	20x47x14	6204-Z	C40.82.20H
82	100	1000	100	20x47x14	6204-Z	C40.82.20K
85	40	400	40	20x47x14	6204-Z	C40.85.20
85	95	1000	100	20x47x14	6204-Z	C40.85.200
85	100	1000	93	17x47x14	6303-7	C40 85 17C

Polyurethane wheel

#### Tread

Cast polyurethane 87 +/- 3 Shore A

#### Wheel Body

Polyamide

#### **Bearing**

Ball bearing

80	70	650	70	20x47x14	6204-Z		C42.80.20A
80	90	750	90	20x47x14	6204-Z		C42.80.20B
82	70	650	70	20x47x14	6204-Z		C42.82.20A
82	90	750	90	20x47x14	6204-Z		C42.82.20B
82	100	850	100	20x47x14	6204-Z		C42.82.20C
85	100	850	96	20x47x16	6204-Z		C42.85.20A

#### Polyamide wheel

#### Tread

Polyamide

#### Wheel Body

Polyamide

#### **Bearing**

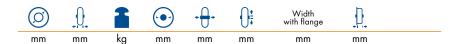
Ball bearing



39	46	200	46	17		C45.39
75	65	600	64,2	20x47x14	6204-Z	B15.075
82	60	600	56	20x47x14	6204-Z	C45.82
82	70	700	70	25x47x14	6005-Z	C45.82.25
82	70	700	66	20x47x12	6204-Z	C45.82.20
82	98	1000	98	20x47x14	6204-Z	C45.82.20B
82	70	700	73	20x47x12	6204-Z	C45/82/70/73/20
85	60	600	59	25x47x12	6205-Z	C45.85.25
85	90	900	90	20x47x14	6204-Z	C45.85.20A
85	100	1000	100	20x47x14	6204-Z	C45.85.20B









100	50	450	20	60	C81.102
125	50	550	20	60	C81.125
150	45	600	25	60	C81.153
150	50	800	20	60	C81.154
200	50	1500	25	52	C81.200
200	45	1100	25	60	C81.201
250	54	1400	20	60	C81.250



Cast	iron	whee	ı

**Tread**Cast iron

**Wheel Body**Cast iron

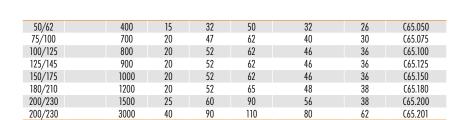
**Bearing**Ball bearing

#### Cast iron wheel

**Tread**Cast iron

**Wheel Body**Cast iron

**Bearing**Ball bearing





## Cast wheels for guided transport



Mostly for rail or profile guided transport for a wide variety of goods. The extremely robust cast metal wheels are used in various industrial contexts where guided transport is required, such as in factory transport for kiln cars, crane systems or production lines – in various rail standards, but also as gate castors. They have high load capacities, also for heavy-duty use and are very heat resistant.







# 1001 SPECIAL REQUESTS

No two drive or guide wheels are alike. Our customers' requirements are all that matters in this regard. Special wheels are used in a wide variety of in-house transport systems. They are used indirectly for transport and drive a wide variety of plants and systems. Depending on the constructive use, they are also used as guide wheels.



#### No high drive power required

Drive and guide wheels are designed to be particularly robust, non-slip and abrasion-resistant in order to ensure the desired transmission of power and control. Drive wheels are designed for smooth continuous use and a long service life. They have ball bearings to ensure quick transport.



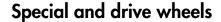
#### Durable material with grip

Continuous running or frequent changes in direction with stop-and-go, at high speeds and with corresponding loads and ever shorter downtimes. Added to that are the high demands placed on drive and guide wheels. Due to these requirements, the running surface of drive wheels must be made of high-quality, high-performance materials, usually extremely durable polyurethane (PU). The material scores highly due to its high dynamic resilience, its robustness and resistance to abrasion (meaning it does not leave marks) and because it is extremely tear resistant. It also stands out for its elasticity and low noise when running, offers perfect rolling and starting properties and is for the most part resistant to oils, greases, petrol and many chemicals.













Examples of our special production

Form: Wheel to roller

Covering: Polyurethane (PU) in various Shore hardnesses

Colours: as desired

Bandage: flat or convex Wheel centre: Polyamide (PA) or aluminum alloy



#### The use determines the wheel

Drive wheels perform their indirect transport tasks in a wide variety of areas with requirements that differ as widely as the wheels themselves. For example, they are used in:

intralogistics systems conveyor belts conveyor and sorting systems storage and transport systems pallet trucks and forklifts for luggage transport rides, e.g. roller coasters



#### Each wheel is an individual custom-made product

Drive and guide wheels are always manufactured according to your wishes for use in your systems. We produce according to your requirements. Get in touch with our experts. We will advise you on your options and purchase quantities.













**6**0 − 820 kg

#### Pneumatic wheel

#### Tread

Rubber black

#### Wheel Body

Steel plated/coated

#### **Bearing**

Roller bearing



0	0	1	•••	+	Profile	Number of layers	Max. tyre pressure	
mm	mm	kg	mm	mm		Ply	bar	

200	50	80	20	60	R	2	2,5	C90.201
220	65	100	20	75	S	4	2,5	C90.230
260	85	170	20	50	R	4	2,5	C90.260
260	85	130	20	50	S	2	2,0	C90.261
260	85	130	20	75	R	2	2,0	C90.262
260	85	130	20	75	S	2	2,0	C90.263
260	85	170	25	75	R	4	2,5	C90.264
260	85	170	25	75	S	4	2,5	C90.265
260	85	130	20	88	S	2	2,0	C90.267
310	50	75	20	60	R	2	2,5	C90.310
400	100	200	20	75	R	2	2,0	C90.400
400	100	300	20	75	R	4	3,5	C90.401
400	100	200	25	75	R	2	2,0	C90.402
400	100	300	25	75	R	4	3,5	C90.403
400	100	200	25	90	R	2	2,0	C90.404
400	100	300	25	90	R	4	3,5	C90.405

Available variant: 200 mm diameter blue-grey

#### Pneumatic wheel

#### Tread

Rubber black

#### Wheel Body

Steel plated/coated

#### Bearing

Ball bearing



#### 20 25 25 50 75 90 2,5 3,5 3,5 260 C95.261 400 100 300 C95.400 C95.402 400 100 300

#### Pneumatic wheel

#### **Tread**

Rubber black

#### Wheel Body

Steel plated/coated

#### Bearing

Ball bearing/roller bearing



#### Roller bearing

	9							
300	100	280	20	75	S	6	5	C96.300
Ball beari	ng							
410	120	600	30	100	S	6	6	C97.410
460	130	820	30	100	S	6	6,5	C97.460



#### Tread

Rubber grey

#### Wheel Body

Plastic

#### Bearing

Ball bearing



150	30	60	8	36	R	2	2.5	D20.150



260

400

400

85

85

100

100

100

170

250

250

20

20

20

25

75

88

75

75

S

Ø	0	1	•••	-	Profile	Number of layers	Max. tyre pressure	
mm	mm	kg	mm	mm		Ply	bar	

60 – 250 kg

150	30	60	8	36	R	2	2,5	D20.151

2,5 2,5

2,5

2,0

2,0

D10.200

D10.261

D10.263

D10.400

D10.401

Pneumatic wheel

Tread Rubber black

Wheel Body Plastic

**Bearing** Ball bearing

Pneumatic wheel

Tread Rubber black

Wheel Body Plastic

**Bearing** 

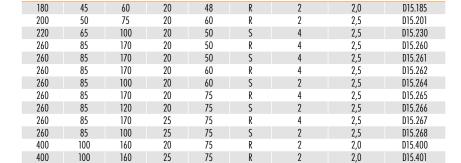
Plain bearing

Pneumatic wheel Tread Rubber black

Wheel Body Plastic

Bearing Roller bearing







Tyre

200		R	2	D50.200
260		R	4	D50.260
260		S	2	D50.261
400		R	2	D50.400
400		S	4	D50.401
400		R	4	D50.403

$\bigcirc$	Valve
mm	

150	AV 70/30°			D55.150
200	TR87 (90°)			D55.200
230	AV 90/30°			D55.230
260	TR87 (90°)			D55.260
400	TR13			D55.400



Tyre tube



C91.262

C91.400



 $\frac{1}{2}$  75 – 300 kg

Wheel barrow wheel with axle

Tread

Rubber black

Wheel Body

Steel rim

Bearing

Roller bearing/ plain bearing

Polyurethane wheel (puncture-free)

Tread

Polyurethane blue

Wheel Body

Steel rim alusilver powder coated

**Bearing** 

Roller bearing

Polyurethane wheel (puncture-free)

Tread

Polyurethane black

Wheel Body

Steel rim alusilver powder coated

**Bearing** 

Roller bearing

Polyurethane wheel (puncture-free)

**Tread** 

Polyurethane blue

Wheel Body

Plastic

**Bearing** 

Roller bearing

Polyurethane wheel (puncture-free)

Tread

Polyurethane black

Wheel Body

Plastic

**Bearing** 

Roller bearing

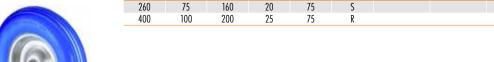






Type Capito (plain bearing)

.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,						
400	100	250	M12x150	R	4	3,5	D30.403



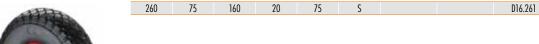




200	50	75	20	60	R		C91.200
210	65	100	20	75	R		C91.210
260	75	160	20	75	S		C91.265
400	100	200	25	75	R		C91.405

260 75 160 20 D16.260 100 400 200 20 D16.400











•••

0

Width mm #---

Thread Suit

Suitable for wheel-type

20x127	Internal thread	D16.400	Achsmat.F.BO20
25x127	Internal thread	C91.400	Achsmat.F.B025



Axle material for puncture-free barrow wheels Type Fort

20x150	External thread	D16.400	Achsmat.C.BO20
25x150	External thread	C91 400	Achsmat C BO25



Axle material for puncture-free barrow wheels Type Capito

20x150	External thread	D16.400	Achsmat.H.B020
25,150	External throad	(91.400	Achemat H RO25



Axle material for puncture-free barrow wheels



Type Haemmerlin

21	30	26			P4171
25,5	40	26			P4173
21	30	18			P4175
21	30	19			P4177
21	40	18			P4178
25,5	40	19			P4179



**Distance ring** Plastic black



# Axles/wheelsets



# <del>************************************</del>	##	
mm	mm	

Axles for d.i.y. wheel set assembly





#### Collars



12				D66.012
20				D66.020
25				D66.025

#### Starlock axle caps



12				D67.012
20				D67.020
25				D67.025



Centre bore diameter	Contact area	Mid-axle to contact area	<u> </u>	<u> </u>	ΙŢ	
mm	mm	mm	mm	mm	mm	 
12	80x34	14	52	12	50	D75.012
20	80x34	14	52	12	50	D75.020

#### Axle bearer







Length	Outer Ø	Inner Ø	Dimensions	
mm	mm	mm	mm	

# Axle tubes, nuts and bolts

#### Axle tubes

21,8	8,0	6,2	AR.21,8x8x6,2
29,0	10,0	6,8	AR.10,0x29x6,8
30,0	11,9	8,3	AR.11,9x30,0x8,3
41,5	12,0	9,0	P32
50,2	15,0	10,0	AR.15/50,2/10
40,2	12,0	8,0	AR.12/40,2/8
60,2	20,0	12,0	AR.20/60,2/12
62.0	20.0	12.0	AR 20/62 0/12



#### Screws

M6x33	Schraube.M6x33
M6x40	Schraube.M6x40
M8x50	Schraube.M8x50
M8x52	Schraube.M8x52
M10x65	Schraube.M10x65
M12x80	Schraube.M12x80
M12x85	Schraube.M12x85

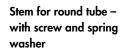


#### Nuts

1 1015			
		M6	Mutter.M6
		M8	M8
		M10	Mutter.M10
		M12	Mutter.M12



45	18	ZAPFEN.18x45
45	19	ZAPFEN.19x45
45	20	ZAPFEN.20x45
45	22	ZAPFEN.22x45
45	23	ZAPFEN.23x45







9.229.020



# **Equipment**



#### **Expander-Fittings**



# Round tube M10 19,0-21,5 ZR100 21,5-24,0 ZR101 24,0-27,0 ZR102 27,0-30,0 ZR103 Round tube M12 19,0-21,5 ZR110 21,5-24,0 ZR110 21,5-24,0 ZR111 24,0-27,0 ZR112 27,0-30,0 ZR113



# Square tube M10 19,0-21,5 ZR104 21,5-24,0 ZR105 24,0-27,0 ZR106 27,0-30,0 ZR107 Square tube M12 19,0-21,5 ZR114 21,5-24,0 ZR115 24,0-27,0 ZR116 27,0-30,0 ZR117









12,5 12,5



60	15	12,5	24		7038	A78.060
75	15	15,5	20	27x3	7038	A78.075
100	15	12,5	24		7038	A78.100
125	15	12,5	24		7038	A78.125



#### Deflecting wheel

Tread Soft plastic

Wheel Body Hard plastic

**Bearing** Plain bearing

Adaptor sleeve
for deflecting wheels
for deflecting wheels

Material Plastic



A79.080 A79.106





Reduces damage to walls and transport device or castor from impact or friction



8,4 10,6



# CASTORS TO SUIT ALL TASTES





# FURNITURE CASTORS

FURNITURE CASTORS
DESIGN CASTORS
FURNITURE TECHNOLOGY



FURNITURE MAKING
SHOPFITTING
DISPLAYS
EXHIBITION STAND
CONSTRUCTION
OFFICE CONTAINERS
COMPUTER DESKS
MEDICAL EQUIPMENT



### **Furniture castors**





15 – 60 kg

#### Bed frame castor

- · Sheet steel housing
- · Plastic wheel



0	0	3		$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{C}}$		<u> </u>	
mm	mm	kg	mm	mm	mm	mm	mm	

30	14	40	32	52x24	5,2	E45

#### **Box castor**

- · Zinc plated sheet steel housing
- · Plastic wheel
- · Plain bearing
- · suitable for soft floors



15	11	20	17,0	30x16	21,0	4,2	E50.015
16	16	30	20,5	42x23	28,0	4,4	E50.016
25	14	35	29,0	41x18	31,0	4,0	E50.025
30	14	40	33,0	46x20	35,0	5,2	E50.030
40	18	50	47,0	68x25	54,0	6,2	E50.040
45	18	55	49,0	68x25	54,0	6,2	E50.045
50	19	60	51,0	68x25	54,0	6,2	E50.050

#### **Box castor**

- · Zinc plated sheet steel housing
- $\cdot$  thermoplastic rubber
- · Plain bearing
- · suitable for hard floors



25	13	30	29,0	41x18	31,0	4,2	E51.025
30	14	35	33,0	46x20	35,0	5,2	E51.030
50	18	50	51,0	68x25	54,0	6,2	E51.050

#### Swivel castor

- · Zinc plated sheet steel housing
- · Plastic wheel
- · suitable for soft floors



25	14	15	34	34x48	22x36	5,0	16	F25.025
25	14	15	34	40x40	29x29	5,0	16	F25.026
30	15	20	36	34x48	22x36	5,0	16	F25.030
30	15	20	36	40x40	29x29	5,0	16	F25.031
38	18	25	52	42x42	30x30	5,0	16	F25.038
40	18	30	56	42x42	30x30	5,0	16	F25.040
50	19	40	68	47x47	35x35	6,5	17	F25.051

#### Swivel castor

- · Zinc plated sheet steel housing
- · thermoplastic rubber
- · suitable for hard floors



25	13	15	34	34x48	22x36	5,0	16	F26.025
25	13	15	34	40x40	29x29	5,0	16	F26.026
30	14	20	36	34x48	22x36	5,0	16	F26.030
30	14	20	36	40x40	29x29	5,0	16	F26.031
50	18	40	68	42x42	30x30	5,0	17	F26.050
50	18	40	68	47x47	35x35	6,5	17	F26.051





50

80

50

80

21

21

50

35

50

0	0	3		$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{\mathcal{O}}}$	<u> </u>		
mm	mm	kg	mm	mm	mm	mm	mm	



30 – 50 kg

50	17	35	67,5	47x47	33x33	5,3	20	A200.A80.050
80	21	50	99	47x47	33x33	5,3	22	A200.A80.080



#### **Swivel castor**

Sheet steel housingdual row ball collar in fork head

Tread

thermoplastic rubber grey

Wheel Body Plastic

**Bearing** Plain bearing

**Fixed castor** 

· Sheet steel housing

Tread

thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** 

Plain bearing

Swivel castor with total brake • housing of sheet steel • dual row ball collar in fork head

Tread

thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** Plain bearing



A210.A80.050

A210.A80.080

A220.A80.050

A220.A80.080



47x47

47x47

47x47

47x47

33x33

33x33

33x33

33x33

5,3

5,3

5,3

5,3

67,5 99

67,5



Ø	0	3	$\overline{U}$	$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{C}}$	<u> </u>		
mm	mm	kg	mm	mm	mm	mm	mm	

40	40	30	61	42x42	32x32	4	F60.040
50	50	30	71	48x48	35x35	5	F60 050



#### Swivel castor

- · Sheet steel housing chromed
- · Rubber wheel
- · for hard floors

40	40	30	59	M10x15	F50.040
50	50	30	69	M10x15	F50.050



#### Swivel castor

- · Sheet steel housing chromed
- · Rubber wheel
- · for hard floors

### **Furniture castors**





**3**0 − 90 kg



#### **Barrel** castors

· Colour black



25	75	47	38x38	27x27	5	25	F73.025
25	90	47	38x38	27x27	5	25	F73.026

#### Plastic dual castor

· fitting = plate · colour black RAL 9005



#### Hard tread for soft flooring

mara mout		g				
40	30	58	42x42	32x32	5	F75.040.PL
50	40	64	42x42	32x32	5	F75.050.PL

#### Plastic dual castor with brake

· fitting = plate · colour black RAL 9005



#### Hard tread for soft flooring

40	30	58	42x42	32x32	5	F85.040.PL
50	40	64	42x42	32x32	5	F85.050.PL

#### Plastic dual castor with brake

· fitting = plate · colour black RAL 9005



#### Soft tread for hard floor

40	30	55	42x42	32x32	4,5	F76.040.PL
50	50	65	42x42	32x32	4,5	F76.050.PL

# Plastic dual castor with brake • fitting = plate • colour black RAL 9005



#### Soft tread for hard floor

40	30	55	42x42	32x32	4,5	F86.040.PL
50	50	65	42x42	32x32	4,5	F86.050.PL







 $\frac{1}{30}$  30 – 50 kg

Hard tread for soft flooring

40	30	49	M8x15	F75.040.G08
50	40	60	M8x15	F75.050.G08
50	40	60	M10x15	F75.050.G10



#### Plastic dual castor

· fitting = threaded stem · colour black RAL 9005

Hard tread for soft flooring

40	30	49		M8x15	F85.040.G08
50	40	60		M8x15	F85.050.G08
50	40	60		M10x15	F85.050.G10



#### Plastic dual castor with brake

 $\cdot$  fitting = threaded stem · colour black RAL 9005

#### Soft tread for hard floor

40	30	52		M8x16	F76.040.G08
50	50	62		M8x16	F76.050.G08
50	50	62		M10x20	F76.050.G10



#### Plastic dual castor

 $\cdot$  fitting = threaded stem · colour black RAL 9005

#### Soft tread for hard floor

		•••			
40	30	52		M8x16	F86.040.G08
50	50	62		M8x16	F86.050.G08
50	50	62		M10x20	F86.050.G10



#### Plastic dual castor with brake

· fitting = threaded stem · colour black RAL 9005

0	1	<u>U</u>	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\mathbb{Z}}}$		<u> </u>			
mm	ka	mm	mm	mm	mm	mm	mm	mm	

#### Hard tread for soft flooring

				•									
	50	50	60		20	10x22	G10.050/G45.010						
	50	50	60		20	11x22	G10.050/G45.011						
5	Soft tread for hard floor												
	50	50	60		20	10x22	G15.050/G45.010						
	50	50	60		20	11x22	G15.050/G45.011						



#### Office chair castor plastic housing

· DIN 68131 load dependant braking · plug-in stem

## **Furniture castors**







0	1		$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{\mathcal{O}}}$	<u></u>		
mm	kg	mm	mm	mm	mm	mm	

#### Plastic dual castor

- · silver grey · soft tread



Plate												
75	50	105	48x48	35x35	6		F340.075					
Threaded stem												
75	50	96				10x15	F340.076					

# Plastic dual castor with brake

- · silver grey · soft tread



#### Plate

75	50	105	48x48	35x35	6		F341.075
Threaded	stem						
75	50	96				10x15	F341.076

#### Plastic dual castor

- $\cdot$  black
- $\cdot$  soft tread



#### Plate

75	50	105	48x48	35x35	6		F342.075
Threaded :	stem						
75	50	96				10x15	F342.076

# Plastic dual castor with brake

- · black
- $\cdot$  soft tread



#### Plate

/5	50	105	48x48	35x35	6			F343.0/5			
Threaded stem											
75	50	96				10x15		F343.076			







 $\frac{20-50 \text{ kg}}{}$ 

Plate							
40	20	60	42x42	32x32	4,2		F328.040
60	35	85	48x48	35x35	6		F328.060
75	50	103	48x48	35x35	6		F328.075
Threaded	stem						
40	20	46				8x15	F328.041
60	35	75				10x15	F328.061
75	50	96				10x15	F328.076



#### Plastic dual castor

· silver-grey · soft tread

0.5					
85	48x48	35x35	6		F329.060
103	48x48	35x35	6		F329.075
75				10x15	F329.061
96				10x15	F329.076
	103 75	103 48x48 75	103 48x48 35x35	103 48x48 35x35 6	103 48x48 35x35 6 75 10x15



# Plastic dual castor with brake

· silver-grey · soft tread

- 10	٥٢	0.5	40.40	05.05		5000.010
60	35	85	48x48	35x35	6	F330.060
75	50	103	48x48	35x35	6	F330.075

Available variant: with threaded pin M8/M10



#### Plastic dual castor

 $\cdot\, \mathsf{black}$ 

 $\cdot$  soft tread

60	35	85	48x48	35x35	6	F331.060
75	50	103	48x48	35x35	6	F331.075

Available variant: with threaded pin M10



#### Plastic dual castor with brake

· black

 $\cdot$  soft tread

## **Design castors**





**6**0 kg

#### $\overline{\overline{\overline{\mathcal{O}}}}$ $\overline{\overline{\mathcal{O}}}$ $\overline{\overline{U}}$ mm

#### Plastic dual castor

- black plastic housingblack plastic wheels, hard



Plate	ridie											
38	60	52	47x47	32x32	6		F390.038					

#### Plastic dual castor with brake

- black plastic housingblack plastic wheels, hard



Plate									
38	60	52	47x47	32x32	6			F391 038	

#### Plastic dual castor

- black plastic housinggrey plastic wheels, hard



Plate						
38	60	52	47x47	32x32	6	F392.038

#### Plastic dual castor with brake

- black plastic housing
  grey plastic wheels, hard



Plate						
38	60	52	47x47	32x32	6	F393.038







40 – 50 kg

60	40	80	47x47	37x37/30x30	6	F360.060

Available variant: with threaded pin M8/M12



#### Plastic dual castor

· black housing · black wheels

60	40	80	47x47	37x37/30x30	6	F361 060
00	10	00	17 / 17	07 107 00100	U	1001.000

Available variant: with threaded pin M8/M12



#### Plastic dual castor with brake

· black housing

· black wheels

60	40	80	47x47	37x37/30x30	6	F362.060
75	50	100	47x47	37x37/30x30	6	F362.075

Available variant: with threaded pin M8/M12



#### Plastic dual castor

· black housing

 $\cdot \, \text{grey wheels} \\$ 

60	40	80	47x47	37x37/30x30	6	F363.060
75	50	100	47x47	37x37/30x30	6	F363.075

Available variant: with threaded pin M8/M12



#### Plastic dual castor with brake

- · black housing
- $\cdot \, \text{grey wheels} \\$



### **Design castors**

# **SOFT AESTHETICS**

With their soft lines, the castors in the new range are real eye-catchers and give any item of furniture a new, modern yet airy character thanks to their special circular arc shape.

All features of the new line:

- · Curved, robust plastic housing in black and grey
- · Concealed wheel body
- · With plate or threaded pin
- · With and without locking device · Transparent skater wheel for soft floors
- · Grey or black rubber wheel for hard floors





**50** kg



















#### Plastic swivel castor

- · plastic wheel transparent
- · hard tread
- · plain bearing





75	50	122	48x48	35x35	6			F310.075		
Threaded stem										
75	50	116				10x15		F310.076		

#### Plastic swivel castor with brake

- ·grey
- · plastic wheel transparent
- · hard tread
- · plain bearing



#### Plate

75	50	122	48x48	35x35	6		F311.075
Threaded :	stem						
75	50	116				10x15	F311.076

#### Plastic swivel castor

- $\cdot \, t \tilde{h} e r mop lastic \,\, rubber$ wheel grey
- · soft tread
- · plain bearing



#### Plate

75	50	122	48x48	35x35	6		F312.075
Threaded :	stem						
75	50	116				10x15	F312.076





Plate

75

75

Threaded stem

122

116

48x48





Plate							
75	50	122	48x48	35x35	6		F313.075
Threaded :	stem						
75	50	116				10x15	F313.076



#### Plastic swivel castor with brake

- · grey · thermoplastic rubber wheel grey · soft tread
- · plain bearing

Plate							
75	50	122	48x48	35x35	6		F314.075
Threaded s	tem						
75	50	116				10x15	F314.076

35x35

10x15



#### Plastic swivel castor

- grey
  thermoplastic rubber
  wheel black
- · soft tread
- · plain bearing



#### Plastic swivel castor with brake

- · grey · thermoplastic rubber wheel black
- $\cdot$  soft tread
- · plain bearing



## **Design castors**





**5**0 kg



0	1	$\overline{\mathcal{Q}}$	$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{C}}$	$\overline{\overline{C}}$		
mm	kg	mm	mm	mm	mm	mm	

#### Plastic swivel castor

- · black
- blackplastic wheel transparenthard treadplain bearing



#### Plate

i idic							
75	50	122	48x48	35x35	6		F320.075
Threaded	stem						
75	50	116				10x15	F320.076

#### Plastic swivel castor with brake

- · black
- plastic wheel transparenthard tread
- · plain bearing



#### Plate

75	50	122	48x48	35x35	6			F321.075		
Threaded stem										
75	50	116				10x15		F321.076		



- $\cdot \, \mathsf{black}$
- thermoplastic rubber wheel grey
  soft tread
- $\cdot \, \text{plain bearing}$



#### Plate

75	50	122	48x48	35x35	6			F322.075			
Threaded stem											
75	50	116				10x15		F322.076			













Plate													
75	50	122	48x48	35x35	6		F323.075						
Threaded stem													
75	50	116				10x15	F323.076						



# Plastic swivel castor with brake

- $\cdot \, \mathsf{black}$
- thermoplastic rubber wheel grey
  soft tread
- $\cdot \, \text{plain bearing}$

Plate												
75	50	122	48x48	35x35	6			F324.075				
Threaded stem												
75	50	116				10x15		F324.076				



#### Plastic swivel castor

- $\cdot \, \mathsf{black}$
- · thermoplastic rubber wheel black
- soft treadplain bearing

Plate												
75	50	122	48x48	35x35	6			F325.075				
Threaded stem												
75	50	116				10x15		F325.076				



#### Plastic swivel castor with brake

- $\cdot \, \mathsf{black}$
- thermoplastic rubber wheel black
- $\cdot \, \text{soft tread}$
- · plain bearing

## **Design castors**





**50** kg

#### Design swivel castor

- · housing of zinc diecasting
- · black polyurethane tyre



0	1		$\overline{\overline{\overline{U}}}$	<u> </u>	$\overline{\overline{U}}$		
mm	kg	mm	mm	mm	mm	mm	

50	95	47x47	37x37/30x30	6		F38	0.060
50	108	47x47	37x37/30x30	6		F38	0.075
tem							
50	89				10x15	F38	0.061
50	100				10x15	F38	0.076
	50 stem 50	50 108  stem 50 89	50 108 47x47 Stem 50 89	50 108 47x47 37x37/30x30 tem 50 89	50 108 47x47 37x37/30x30 6  ttem 50 89	50 108 47x47 37x37/30x30 6  stem 50 89 10x15	50 108 47x47 37x37/30x30 6 F38  them  50 89 10x15 F38

#### Design swivel castor with brake

- · zink die-cast body
- · black polyurethane tyres



50	95	47x47	37x37/30x30	6		F381.060				
50	108	47x47	37x37/30x30	6		F381.075				
Threaded stem										
50	89				10x15	F381.061				
50	100				10x15	F381.076				
	50 <b>stem</b> 50	50 108 stem 50 89	50 108 47x47 stem 50 89	50 108 47x47 37x37/30x30 stem 50 89	50 108 47x47 37x37/30x30 6  stem 50 89	50 108 47x47 37x37/30x30 6  stem 50 89 10x15				



Wheels with spherical crown technology



#### Design swivel castor

- · housing of zinc diecasting
- $\cdot \, \text{grey polyurethane tyre}$



50	95	47x47	37x37/30x30	6			F382.060
50	108	47x47	37x37/30x30	6			F382.075
stem							
50	89				10x15		F382.061
50	100				10x15		F382.076
	50 <b>stem</b> 50	50 108 stem 50 89	50 108 47x47 stem 50 89	50 108 47x47 37x37/30x30 stem 50 89	50 108 47x47 37x37/30x30 6  stem  50 89	50 108 47x47 37x37/30x30 6  stem  50 89 10x15	50 108 47x47 37x37/30x30 6  stem 50 89 10x15

#### Design swivel castor with brake

- housing of zinc diecastinggrey polyurethane tyre



Plate											
60	50	95	47x47	37x37/30x30	6		F383.060				
75	50	108	47x47	37x37/30x30	6		F383.075				
Threaded	Threaded stem										
60	50	89				10x15	F383.061				
75	50	100				10x15	F383.076				
	30	100		<del></del>		IUXIJ	1 303.070				







# **5**0 kg

#### Plate

75	50	103	47x47	37x37/30x30	6			F370.075		
Threaded stem										
75	50	98				10x15		F370.076		



# **Design-dual castor** · zinc die-cast body

- · black polyurethane tyres

#### Plate

75	50	103	47x47	37x37/30x30	6			F371.075	
Threaded stem									
75	50	98				10x15		F371.076	



# Design-dual castor with brake

- · zinc die-cast body
- · black polyurethane tyres

#### Plate

	75	50	103	47x47	37x37/30x30	6		F372.075
Threaded stem								
	75	50	98				10x15	F372.076



#### Design-dual castor

- · zinc die-cast body
- · grey polyurethane tyres

#### Diato

riale									
75	50	103	47x47	37x37/30x30	6			F373.075	
Threaded stem									
75	50	98				10x15		F373 076	



# Design-dual castor with brake

- · zinc die-cast body
- · grey polyurethane tyres

## **Design castors**









# **Design-dual castor** · zinc die-cast body

- · black polyurethane tyres



Plate											
75	70	98	47x47	37x37/30x30	6		F350.075				
Threaded stem											
75	70	94				10x15	F350.076				

# Design-dual castor with brake

- · zinc die-cast body
- · black polyurethane tyres



Plate							
75	70	98	47x47	37x37/30x30	6		F351.075
Threaded:	stem						
75	70	94				10x15	F351.076



New, elegant design

#### Design-dual castor

- · zinc die-cast body
- · grey polyurethane tyres



Plate											
75	70	98	47x47	37x37/30x3	6			F352.075			
Threaded stem											
75	70	94				10x15		F352.076			

# Design-dual castor with brake

- · zinc die-cast body
- · grey polyurethane tyres



Plate											
75	70	98	47x47	37x37/30x3	6			F353.075			
Threaded stem											
75	70	94				10x15		F353.076			











40 – 50 kg

50	18	40	73	54x54	40x40/34x34	6,3	26	A300.A73.050
75	23	50	103	60x60	48x48/38x38	6,3	38	A300.A73.075

54x54

60x60

40x40/34x34

48x48/38x38



A320.A73.050

A320.A73.075

Swivel castor Fork of sheet steel,

zinc plated, dual-row ball bearings collar in fork head

Tread

Plastic transparent

Wheel Body Plastic transparent

**Bearing** Plain bearing

Swivel castor

with total brake Fork of sheet steel, zinc plated, dual-row ball bearings collar in fork head

Tread

Plastic transparent

Wheel Body Plastic transparent

**Bearing** Plain bearing

50	18	40	73	54x54	40x40/34x34	6,3	26	A800.A73.050
75	23	50	103	AnvAn	18/18/38/38	63	38	1800 173 075



Swivel castor Fork of sheet steel,

black, dual-row ball bearings collar in fork head

Tread

Plastic transparent

**Wheel Body** Plastic transparent

**Bearing** Plain bearing



Swivel castor with total brake Fork of sheet steel,

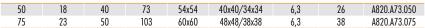
black, dual-row ball bearings collar in fork head

Tread

Plastic transparent

Wheel Body Plastic transparent

**Bearing** Plain bearing





75

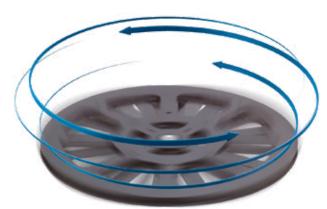
New housing design with transparent skater wheel

## Furniture technology



# **ROTATION**

Slewing rings and ball thrust bearings are the right solution where something has to rotate on its own axis, whether furniture, a machine, or anything in between. In the retail sector, turntables allow rotary presentation of jewellery, clothing or accessories such as glasses. The customer always has an optimal view of the goods. In shopfitting and stage construction, they are used for storage spaces, small stages or as dressing aids. The catering industry always presents cakes and baked goods optimally. In restaurants, specialities are served in front of the guest. Rotatable elements are also increasingly being used in industry.





50 – 600 kg



0	
mm	



Strength

mm

#### **Rotating collars**

· with ball bearing



#### Electrogalvanized sheet steel

306	300	8			D81.306





#### Plastic black

230	200	13						D82.230
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#### **Rotating collars**



#### Aluminium (with gearing)

330	300	13	D84.330
450	350	15	D84.450

#### **Rotating collars**



#### Plastic black

162	80	9			D85.162
302	150	10			D85.302









57x57	50	43x43	6,5	10,5		D80.057
81x81	80	67x67	4,0	9,0		D80.081
95x70	280	75x45	6,5	19,5		D80.095
155x155	150	128x128/116x116	5,8/5,0	10,5		D80.155
165x165	250	134x134	7	21,0		D80.175

Thrust bearing

Thrust ball bearings offer optimal support in industrial assembly, allowing workstations to be flexible where several individual parts have to be kept at hand or individual components have to be rotated. With ball bearings they also rotate heavy weights by 360°, in demanding, full-time operation. The robust component carriers are also ideally suited for stage building and shopfitting.



138x109 600 105x75/80 11,0 29,0 D80.138	115x85	600	105x75/80	11,0	29,0	D80.115
	138x109	600		11,0	29,0	D80.138

Thrust bearing



Suitable for the stage and shopfitting



## Furniture technology



CONTAINERPL..6 CONTAINERPL..7



 $\frac{1}{35}$  35 – 70 kg

**Container plate** Container plate without castors



5,5 5,5

405x70x2,0 425x70x2,0

54x44 50x38





Quickly retrofitted – office containers are rendered mobile



Plastic dual castors for container plates



Hard tread for soft flooring										
35	70	40						F77.035		
50	50	59						F77.050		

Plastic dual castors with brake for container plates



Hara treac	tor som m	ooring			
35	70	40			F87.035
50	50	59			F87.050

#### Plastic jacket

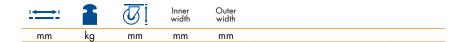


#### Hard tread for soft flooring

	35	21	85x85	120x105	G85.120		
Soft tread for hard floor							
	35	21	85x85	120x105	G86.120		







40 – 50 kg

With brake

With brake

78 Without brake

78

78	40	75	22	25		G92.22.1
Without br	rake					
78	40	75	22	25		G93.22.1



Door/box castor, universal, stopper left

Housing

Zinc die cast

Tread

thermoplastic rubber grey

Wheel Body

Plastic

Door/box castor, universal, stopper right Housing

Zinc die cast

Tread

thermoplastic rubber grey

Wheel Body

Plastic

78	40	75	22	25		G92.22.1	
nout bi	ake						4000
78	40	75	22	25		G93.22.1	
							8
							4 9

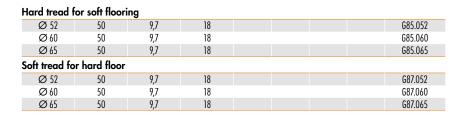


G92.22.2

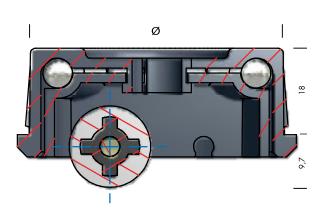
G93.22.2

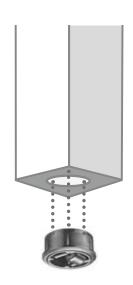
Size	1	<u> </u>	Offset		
mm	kg	mm	mm		

Plastic bell









# FOR LIGHT TO MEDIUM WEIGHT LOADS



Apparatus castors are the individual castors for a wide range of used from industrial to intralogistics. They are used to move light to medium-weight devices or apparatus. The robust castors, mostly with rubber treads or made of plastic, can be perfectly adapted for any use with a wide variety of housings and fixings. Decide for yourself which type of castor you need.

The individual wheels can be configured as fixed castors, swivel castors, castors with a locking device, with double row ball ring or ball bearing in fork head, or as a double castor. All swivel castors for apparatus are designed with the optimum projection so that they can be swivelled quickly and at the same time offer smooth straight-line stability. So you have a perfect range of choices.

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# APPARATUS CASTORS

APPARATUS DOUBLE CASTORS
HEAVY APPARATUS CASTORS
PLASTIC CASTORS
STAINLESS STEEL CASTORS
BAKERY CASTORS



INDUSTRY
WORKSTATIONS
INTRALOGISTICS
FURNITURE MAKING
DISPLAYS
SHOPPING TROLLEYS
MEDICAL EQUIPMENT
CATERING TROLLEYS
ON BOARD
AEROPLANES
SYSTEM CATERING
FOOD INDUSTRY
TRANSPORT EQUIPMENT









- · Fork of sheet steel, black
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake





50 – 60 kg



















#### **Tread**

Thermoplastic rubber grey

#### Wheel Body

Plastic red





Thermoplastic rubber green

#### Wheel Body

Plastic black

#### **Bearing**

Ball bearing

#### Tread

Thermoplastic rubber light blue

#### Wheel Body

Plastic nature

#### **Bearing**

Ball bearing



50	20	50	73	54x54	40x40/34x34	6,3	26	A800.A85.050.03	A810.A85.050.03	A820.A85.050.03
75	25	60	103	60x60	48x48/38x38	6,3	38	A800.A85.075.03	A810.A85.075.03	A820.A85.075.03



50	20	50	73	54x54	40x40/34x34	6,3	26	A800.A85.050.04	A810.A85.050.04	A820.A85.050.04
75	25	60	103	60x60	48x48/38x38	6.3	38	A800.A85.075.04	A810.A85.075.04	A820.A85.075.04



50	20	50	73	54x54	40x40/34x34	6,3	26	A800.A85.050.05	A810.A85.050.05	A820.A85.050.05
75	25	60	103	60x60	48x48/38x38	6,3	38	A800.A85.075.05	A810.A85.075.05	A820.A85.075.05



Special production in your desired colours. See page 128 for details.







- **Description**Fork of sheet steel, black
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- $\cdot$  Swivel castor with total brake

























**3** 50 − 60 kg

50	20	50	73	10,2	26	A801.A85.050.03 A821.A85.050.03
75	25	60	103	10,2	38	A801.A85.075.03 A821.A85.075.03





grey

Wheel Body Plastic red

**Bearing** Ball bearing

50	20	50	73	10,2	26	A801.A85.050.04 A821.A85.050.04
75	25	60	103	10,2	38	A801.A85.075.04 A821.A85.075.04





Thermoplastic rubber green

Wheel Body Plastic black

Bearing Ball bearing

50	20	50	73	10,2	26	A801.A85.050.05 A821.A85.050.05
75	25	60	103	10,2	38	A801.A85.075.05 A821.A85.075.05





#### Tread

Thermoplastic rubber light blue

Wheel Body Plastic nature

**Bearing** Ball bearing



#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



 $\frac{1}{1}$  50 – 70 kg

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing

#### Tread

Plastic black

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing







0		1	<u>U</u>	$\overline{\overline{\mathbb{Q}}}$	$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{U}}$	W
mm	mm	kg	mm	mm	mm	mm	mm

50	20	50	73	54x54	40x40/34x34	6,3	26	A300.A85.050	A310.A85.050	A320.A85.050
75	25	60	103	60x60	48x48/38x38	6,3	38	A300.A85.075	A310.A85.075	A320.A85.075
100	24	70	124	60x60	47x47/37x37	6,3	39	A300.A85.100	A310.A85.100	A320.A85.100



50	20	50	73	54x54	40x40/34x34	6,3	26	A300.A80.050	A310.A80.050	A320.A80.050
75	25	60	103	60x60	48x48/38x38	6,3	38	A300.A80.075	A310.A80.075	A320.A80.075
100	24	70	124	60x60	47x47/37x37	6,3	39	A300.A80.100	A310.A80.100	A320.A80.100



50	18	50	73	54x54	40x40/34x34	6,3	26	A300.A89.050	A310.A89.050	A320.A89.050
75	24	60	103	60x60	48x48/38x38	6,3	38	A300.A89.075	A310.A89.075	A320.A89.075
100	28	70	124	0Ay0A	47v47/37v37	6.3	39	A300 A89 100	A310 A89 100	A320 A89 100



50	18	50	73	54x54	40x40/34x34	6,3	26	A300.A90.050	A310.A90.050	A320.A90.050
75	23	50	103	60x60	48x48/38x38	6,3	38	A300.A90.075	A310.A90.075	A320.A90.075
100	23	65	124	60x60	47x47/37x37	6,3	39	A300.A90.100	A310.A90.100	A320.A90.100





50 75

100

50

75

100

23

23

50

65

103

121

25

24

60

70

103

121



0	0	1	<u> </u>	<u> </u>		$\overline{\mathcal{Q}}$	<u> </u>
mm	mm	kg	mm	mm	mm		

#### Description

- · Fork of sheet steel
- $\cdot \, {\sf zinc\text{-}chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake



50 – 70 kg

50	20	50	73	10,2	26	A301.A85.050 A321.A85.050
75	25	60	103	10,2	38	A301.A85.075 A321.A85.075
100	24	70	121	10,2	39	A301.A85.100 A321.A85.100

38

39

10,2 10,2

10,2

10,2

10,2

26

38

39



#### Tread

Thermoplastic rubber grey

### Wheel Body

Plastic

## **Bearing**

Ball bearing

		3.0	Ì
V	6	2)"	ı
•	6		

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing

50	18	50	73	10,2	26		A301.A89.050	A321.A89.050
75	24	60	103	10,2	38		A301.A89.075	A321.A89.075
100	28	70	121	10,2	39		A301.A89.100	A321.A89.100

A301.A80.050

A301.A80.075 A301.A80.100

A301.A90.050

A301.A90.075

A301.A90.100

A321.A80.050

A321.A80.100

A321.A90.050

A321.A90.100

A321.A90.075

A321.A80.075



#### Tread

Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



#### Tread Plastic black

Wheel Body Plastic

## **Bearing**

Plain bearing



#### Description

- · Sheet steel fork
- $\cdot \, \text{zinc-chromatised}$
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake





Ø	0	3	<u>U</u>		1	
mm	mm	ka	mm	mm	mm	





# $\frac{1}{1}$ 50 – 70 kg

#### **Tread**

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### Bearing

Ball bearing



50	18	50	73	26	*	A304.A85.050	A324.A85.050
75	25	60	103	38	*	A304.A85.075	A324.A85.075
100	24	70	121	39	*	A304.A85.100	A324.A85.100

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



50	18	50	73	26	*	A304.A80.050	A324.A80.050
75	25	60	103	38	*	A304.A80.075	A324.A80.075
100	24	70	121	39	*	A304.A80.100	A324.A80.100

#### Tread

Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



50	18	50	73	26	*	A304.A89.050	A324.A89.050
75	24	60	103	38	*	A304.A89.075	A324.A89.075
100	28	70	121	39	*	A304.A89.100	A324.A89.100

#### Tread

Plastic black

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



50	18	50	73	26	*	A304.A90.050 A324.A90.050
75	23	50	103	38	*	A304.A90.075 A324.A90.075
100	23	65	121	39	*	A304.A90.100 A324.A90.100

<sup>\*</sup> Round and square tubes 19 – 37.5 mm. Please state the exact inside diameter of the pipe. For technical data on expander mounting, see page 70.



# FOR INDOOR AND OUTDOOR USE

Configure for any usage. Configure apparatus castors according to your requirements. The universal castors are not only suitable for classic uses in industry and logistics, but are also ideal for beach chairs, lounge and pallet furniture, under grills or raised beds, in shop and display construction, all the way to sales counters. In other words, absolutely anywhere. Choose from a wide variety of castors, including particularly stable double castors for greater load capacity and optimal manoeuvrability.





## Apparatus double castors



#### Description

- · Fork of sheet steel
- · zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake



**3** 60 − 100 kg

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing

#### Tread

Plastic black

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing





(0)	.V.		<b>⊘</b> İ	$\bigcirc$	$oldsymbol{\emptyset}$	$\bigcirc$	lacksquare	$oldsymbol{\omega}$	$\mathcal{G}$
mm	mm	kg	mm	mm	mm	mm	mm		

50	2x18	60	75	60x60	46x46/38x38	6,2	36	B100.A85.050	B120.A85.050
75	2x24	80	102	77x67	70x60/45x35	6,2	33	B100.A85.075	B120.A85.075



50	ZXIO	60	/5	6UX6U	46x46/38x38	6,2	36	B100.A80.050	B120.A80.050
75	2x24	80	102	77x67	70x60/45x35	6,2	33	B100.A80.075	B120.A80.075



50	2x18	60	75	60x60	46x46/38x38	6,2	36	B100.A89.050	B120.A89.050
75	2x24	80	102	77x67	70x60/45x35	6,2	33	B100.A89.075	B120.A89.075



50	2x19	80	75	60x60	46x46/38x38	6,2	36	B100.A90.051	B120.A90.051
75	2x23	100	102	77x67	70x60/45x35	6,2	33	B100.A90.076	B120.A90.076



## Apparatus double castors



2x24

2x18

2x24

2x19

2x23

60

80

80

100

73

99

73

99



Ø	0	1	<u> </u>			
mm	mm	kg	mm	mm	mm	



B101.A80.050

B101.A80.075

B101.A89.050

B101.A89.075

B101.A90.051

B101.A90.076



B121.A80.050

B121.A89.050

B121.A89.075

B121.A90.051

B121.A90.076

B121.A80.075



· dual-row ball bearings collar in fork head

· Swivel castor with total brake

60 – 100 kg

50	2x18	60	73	10,2	36	B101.A85.050 B12	1.A85.050
75	2x24	80	99	10,2	33	B101.A85.075 B12	1.A85.075

33

36

33

36

33

10,2

10,2

10,2

10,2

10,2



Description · Fork of sheet steel  $\cdot \, \text{zinc-chromated}$ 

Model · Swivel castor

> Tread Thermoplastic rubber

Wheel Body Plastic

**Bearing** Ball bearing

U	0	
-		

Tread Thermoplastic rubber grey

Wheel Body Plastic

**Bearing** Plain bearing



Tread Thermoplastic rubber grey, electrically conductive

Wheel Body Plastic

**Bearing** Ball bearing



Tread Plastic black

Wheel Body Plastic

**Bearing** Plain bearing

50

75

50

75

## Heavy apparatus castors



#### Description

- · Sheet steel fork
- $\cdot \, \text{zinc-chromatised}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



mm







# Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### Bearing

Ball bearing (80, 150 mm Ø with metal threadguards)



80	21	80	115	94x64	74x44	8,4	27	C100.A85.081	C110.A85.081	C120.A85.081
100	30	80	137	95x70	75x45	9	42	C100.A85.100	C110.A85.100	C120.A85.100
125	31	100	162,5	95x70	75x45	9	44	C100.A85.125	C110.A85.125	C120.A85.125
150	32	100	192	94v64	74×44	8.4	45	C100 A85 151	C110 A85 151	C120 A85 151

mm

mm

 $\overline{U}$ 

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



60	20	40	91	60x60	45x45	6,3	25	C200.A80.060	C210.A80.060	C220.A80.060
80	21	80	115	94x64	74x44	8,4	27	C100.A80.081	C110.A80.081	C120.A80.081
100	30	80	137	95x70	75x45	9	45	C100.A80.100	C110.A80.100	C120.A80.100
125	31	100	162,5	95x70	75x45	9	44	C100.A80.125	C110.A80.125	C120.A80.125
150	32	100	192	94x64	74x44	8,4	45	C100.A80.151	C110.A80.151	C120.A80.151

#### Tread

Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



80	30	80	115	94x64	74x44	8,4	27	C100.A89.080	C110.A89.080	C120.A89.080
100	32	80	137	95x70	75x45	9	42	C100.A89.100	C110.A89.100	C120.A89.100
125	32	100	162,5	95x70	75x45	9	44	C100.A89.125	C110.A89.125	C120.A89.125
150	32	100	192	94x64	74x44	8,4	45	C100.A89.150	C110.A89.150	C120.A89.150

#### Tread

Rubber grey, malfunction free

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



125	32	35	162,5	95x70	75x45	8,3	35	C100.A86.125	C110.A86.125	C120.A86.125







mm

32

100

mm

150



(	0					
0		1	<u> </u>	<u></u>	<del></del>	

mm

188

12,2

80	21	80	112	12,2	27		C101.A85.081	C121.A85.081
100	30	80	134	12,2	42		C101.A85.100	C121.A85.100
125	31	100	158	12,2	44		C101.A85.125	C121.A85.125

45

mm

 $\overline{U}$ 

C101.A85.151

<u>W</u>

C121.A85.151

60	20	40	88	12,2	28	C201.A80.060 C221.A80.060
80	21	80	112	12,2	27	C101.A80.081 C121.A80.081
100	30	80	134	12,2	42	C101.A80.100 C121.A80.100
125	31	100	158	12,2	44	C101.A80.125 C121.A80.125
150	32	100	188	12,2	45	C101.A80.151 C121.A80.151

80	30	80	112	12,2	27	C101.A89.080 C121.A89.080
100	32	80	134	12,2	42	C101.A89.100 C121.A89.100
125	32	100	158	12,2	44	C101.A89.125 C121.A89.125
150	32	100	188	12,2	45	C101.A89.150 C121.A89.150

#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake





# Thermoplastic rubber

40 – 100 kg

## Wheel Body

Plastic

Bearing Ball bearing (80, 150 mm Ø with metal threadguards)



Tread	
Thermoplastic	rubbe
grey	

#### Wheel Body Plastic

**Bearing** Plain bearing



#### Tread

Thermoplastic rubber grey, electrically conductive

#### Wheel Body Plastic

**Bearing** Ball bearing

## Heavy apparatus castors



#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake





0
mm









**3** 80 − 100 kg

#### Tread

Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing (80, 150 mm Ø with metal threadguards)



80	21	80	112	27	*	C102.A85.081	C122.A85.081
100	30	80	129	42	*	C102.A85.100	C122.A85.100
125	31	100	158	44	*	C102.A85.125	C122.A85.125
150	32	100	188	45	*	C102.A85.151	C122.A85.151

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



100	30	80	129	42	*	C102.A80.100	C122.A80.100
125	31	100	158	44	*	C102.A80.125	C122.A80.125
150	32	100	188	45	*	C102.A80.151	C122.A80.151

#### Tread

Thermoplastic rubber grey, electrically conductive

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



80	30	80	112	27	*	C	102.A89.080	C122.A89.080
100	32	80	129	42	*	C	102.A89.100	C122.A89.100
125	32	100	158	44	*	C	102.A89.125	C122.A89.125
150	32	100	188	45	*	(	102 489 150	C122 A89 150

<sup>\*</sup> Please state the exact tenon dimension. For technical data, see page 69.



#### Heavy apparatus castors





-			M	
	(3		(	
			,	

$\bigcirc$	0	
mm	mm	k

100 125

150

31

32

80

100

158

188

44

45











C104.A80.100

C104.A80.125

C104.A80.151



C124.A80.125

#### Description

- · Sheet steel fork
- $\cdot \, \text{zinc-chromatised}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake



**8**0 – 100 kg

100     30     80     129     42     *     C104.A85.100     C124.A85.100       125     31     100     158     44     *     C104.A85.125     C124.A85.125       150     32     100     188     45     *     C104.A85.151     C124.A85.151	80	21	80	112	27	*		C104.A85.081	C124.A85.081
	100	30	80	129	42	*		C104.A85.100	C124.A85.100
150 32 100 188 45 * C104.A85.151 C124.A85.151	125	31	100	158	44	*		C104.A85.125	C124.A85.125
	150	32	100	188	45	*		C104.A85.151	C124.A85.151





Thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** 

Ball bearing (80, 150 mm Ø with metal threadguards)



#### Tread

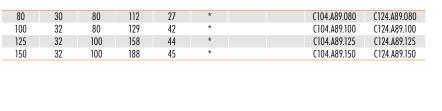
Thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** 

Plain bearing





#### Tread

Thermoplastic rubber grey, electrically conductive

Wheel Body Plastic

**Bearing** Ball bearing

<sup>\*</sup> Round and square tubes 19 – 37.5 mm. Please state the exact inside diameter of the pipe. For technical data on expander mounting, see page 70.



## HOUSING MADE OF **PLASTIC**

Apparatus castor series with forks made of robust plastic. The plastic castors can be cleaned hygienically and easily, also for use in healthcare. In the alternative ESD version, they reduce electrostatic charge.



Two-stage directional and total locking device



#### Description

- · Fork of plastic
- · ball bearing in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake
- · Swivel castor with directional lock/total brake





3	0	3	<u>\( \bar{\bar{\bar{\bar{\bar{\bar{\bar{</u>	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{U}}$	(
nm	mm	kg	mm	mm	mm	mm	1

$\bigcirc$ $\bigcirc$			$\overline{\overline{\overline{\mathcal{G}}}}$	$\overline{\overline{U}}$	<u> </u>	$\overline{\mathcal{Q}}$	$\overline{\overline{\mathbb{Q}}}$
mm mm	kg mm	mm	mm	mm	mm		

#### 61x51/56x46 C100.A82.100 C120.A82.100 C130.A82.100 32 100 77x67 61x51/56x46 C100.A82.125 C120.A82.125 C130.A82.125 161

Available alternative:

Antistatic version, All metal parts made of stainless steel



#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing

Thermoplastic rubber

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing





100	32	100	137	77x67	61x51/56x46	8,1	38	C100.A81.100	C120.A81.100	C130.A81.100
125	32	100	161	77x67	61x51/56x46	8,1	43	C100.A81.125	C120.A81.125	C130.A81.125

Available alternative:

Antistatic version, All metal parts made of stainless steel











#### Description

- Fork of plasticball bearing in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake

0	-
mm	m







mm

137

161





12,5

12,5



38

43





C101.A82.100

C101.A82.125



C121.A82.100

C121.A82.125



125	32	100
Availab	le alte	rnative:

Antistatic version, All metal parts made of stainless steel

100	32	100	137	12,5	38		C101.A81.10	00 (	121.A81.100
125	32	100	161	12,5	43		C101.A81.12	25 (	121.A81.125

Available alternative:

Antistatic version, All metal parts made of stainless steel





Thermoplastic rubber grey

#### Wheel Body Plastic

Bearing

Ball bearing



#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing** Plain bearing

#### **Plastic castors**









#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing







0	0	1	<u>[</u>	<u> </u>	1	<u>(</u>	3	· <b>W</b>
mm	mm	kg	mm	mm	mm			

100	32	100	137	38	*	C104.A82.100 C124.A82.100	
125	32	100	161	43	*	C104.A82.125 C124.A82.125	

C104.A81.100 C104.A81.125 100 32 100 38 C124.A81.100 125 100 C124.A81.125 32 161 43

<sup>\*</sup> Please state the exact tenon dimension. For technical data, see page 69.

#### **Plastic castors**













100	32	100	137	38	*	C102.A82.100	C122.A82.100
125	32	100	161	43	*	C102.A82.125	C122.A82.125





Wheel Body Plastic

Bearing Ball bearing

100	32	100	137	38	*			C102.A81.100	C122.A81.100
125	32	100	161	43	*			C102.A81.125	C122.A81.125



Tread	
Thermoplastic	rubbe
grey	

Wheel Body Plastic

**Bearing** Plain bearing

<sup>\*</sup> Round and square tubes 19 – 37.5 mm. Please state the exact inside diameter of the pipe. For technical data on expander mounting, see page 70.

#### **Stainless steel castors**









- $\cdot$  Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head







Rust-free and corrosion-resistant, for wet areas and high hygiene requirements



40 – 100 kg

#### Tread

Thermoplastic rubber grey

#### Wheel Body Plastic

#### **Bearing**

Plain bearing

#### Tread

Plastic

#### Wheel Body

Plastic

#### Bearing

Plain bearing



0	0	3	<u>U</u>	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\overline{\mathcal{O}}}}$	$\overline{\overline{U}}$		$\overline{U}$	$\overline{\bigcup}$	
mm	mm	kg	mm	mm	mm	mm	mm			

50	18	40	70	60x60	45x45	6,5	26	G100.A80.051	G110.A80.051	G120.A80.051
75	24	60	101	60x60	45x45	6,5	25	G100.A80.076	G110.A80.076	G120.A80.076
100	28	60	136	76x70	60x50	8,3	35	G100.A80.100	G110.A80.100	G120.A80.100
125	28	70	158	76x70	60x50	8,3	35	G100.A80.126	G110.A80.126	G120.A80.126



50	18	55	70	60x60	45x45	6,5	26	G100.A90.051	G110.A90.051	G120.A90.051
75	23	60	101	60x60	45x45	6,5	25	G100.A90.076	G110.A90.076	G120.A90.076
100	27	90	136	76x70	60x50	8,3	35	G100.A90.100	G110.A90.100	G120.A90.100
120	27	100	156	76x70	60x50	8,3	35	G100.A90.120	G110.A90.120	G120.A90.120









#### Description

- · Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head







Easy to clean and disinfect

0	0	1	<u>[]</u>	<u> </u>		$\overline{U}$	· <b>W</b>
mm	mm	kg	mm	mm	mm		

50	18	55	70	12	26	G101.A90.051 G121.A90.051
75	23	60	101	12	25	G101.A90.076 G121.A90.076
100	27	90	134	12	35	G101.A90.100 G121.A90.100
120	27	100	156	12	35	G101.A90.120 G121.A90.120

50	18	40	70	12	26	G101.A80.051 G121.A80.051
75	24	60	101	12	25	G101.A80.076 G121.A80.076
100	28	60	134	12	35	G101.A80.100 G121.A80.100
125	28	70	156	12	35	G101.A80.126 G121.A80.126





Wheel Body Plastic

**Tread** Plastic

Bearing

Plain bearing



### **Tread**Thermoplastic rubber grey

**Wheel Body** Plastic

**Bearing**Plain bearing

#### Stainless steel castors



#### Description

- $\cdot$  Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake









**300** 60 − 300 kg



















#### Tread

Plastic

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing

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K		۱	)
		1.0	1

80	30	100	108	95x80	80x60	9	32	H100.A90.080	H110.A90.080	H120.A90.080
100	30	130	127	95x80	80x60	9	32	H100.A90.100	H110.A90.100	H120.A90.100
125	37,5	130	155	95x80	80x60	9	32	H100.A90.125	H110.A90.125	H120.A90.125
125	37,5	250	163	129x106	105x80	11	52	H100.A90.126	H110.A90.126	H120.A90.126
150	40	300	192	129x106	105x80	11	52	H100.A90.150	H110.A90.150	H120.A90.150
200	50	300	240	129x106	105x80	11	48	H100.A90.200	H110.A90.200	H120.A90.200

#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



80	30	60	108	95x80	80x60	9	32	H100.B43.080	H110.B43.080	H120.B43.080
100	30	80	127	95x80	80x60	9	32	H100.B43.100	H110.B43.100	H120.B43.100
125	35	100	155	95x80	80x60	9	32	H100.B43.125	H110.B43.125	H120.B43.125
125	35	125	163	129x106	105x80	11	52	H100.B43.126	H110.B43.126	H120.B43.126
150	40	140	192	129x106	105x80	- 11	52	H100.B43.150	H110.B43.150	H120.B43.150
200	50	200	240	129x106	105x80	11	48	H100.B43.200	H110.B43.200	H120.B43.200

#### Tread

Polyurethane red 98'+/-4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



80	28	100	108	95x80	80x60	9	32	H100.B26.080	H110.B26.080	H120.B26.080
100	30	130	127	95x80	80x60	9	32	H100.B26.100	H110.B26.100	H120.B26.100
125	32	130	155	95x80	80x60	9	32	H100.B26.125	H110.B26.125	H120.B26.125
125	32	180	163	129x106	105x80	11	52	H100.B26.126	H110.B26.126	H120.B26.126
150	35	200	192	129x106	105x80	11	52	H100.B26.150	H110.B26.150	H120.B26.150
200	45	200	240	129x106	105x80	11	48	H100.B26.200	H110.B26.200	H120.B26.200

#### Tread

Polyurethane blue 85 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Plain bearing



80	28	70	108	95x80	80x60	9	32	H100.B32.080	H110.B32.080	H120.B32.080
100	32	110	127	95x80	80x60	9	32	H100.B32.100	H110.B32.100	H120.B32.100
125	39	130	155	95x80	80x60	9	32	H100.B32.125	H110.B32.125	H120.B32.125
150	40	200	192	129x106	105x80	11	52	H100.B32.150	H110.B32.150	H120.B32.150
200	50	200	240	129x106	105x80	11	48	H100.B32.200	H110.B32.200	H120.B32.200









#### Description

- $\cdot$  Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head

- · Swivel castor
- · Swivel castor with total brake

0	0	1	<u> </u>			$\overline{\mathbb{Q}}$	· <u>W</u>	INOX
mm	mm	kg	mm	mm	mm			





**6**0 − 200 kg

80	30	100	108	12,2	32	H101	I.A90.080 H121.A90.0	080
100	30	130	127	12,2	32	H101	1.A90.100 H121.A90.1	00
125	34	130	160	12,2	47	H101	1.A90.125 H121.A90.1	25
150	44	200	192	12,2	52	H101	1.A90.150 H121.A90.1	50
200	50	200	240	12,2	48	H101	.A90.200 H121.A90.2	200



Tread

Plastic

Wheel Body Plastic

Bearing Plain bearing

80	30	60	108	12,2	32	H101.B43.080	H121.B43.080
100	30	80	127	12,2	32	H101.B43.100	H121.B43.100
125	35	100	160	12,2	47	H101.B43.125	H121.B43.125
150	40	140	192	12,2	52	H101.B43.150	H121.B43.150
200	50	200	240	12,2	48	H101.B43.200	H121.B43.200



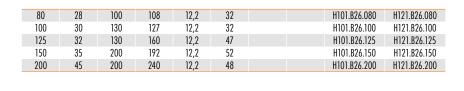
#### Tread

Thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** Plain bearing





#### Tread

Polyurethane red 98'+/- 4 Shore A

Wheel Body Plastic

**Bearing** Plain bearing

80	28	70	108	12,2	32	H101.B32.080 H121.B32.080
100	32	110	127	12,2	32	H101.B32.100 H121.B32.100
125	39	130	160	12,2	47	H101.B32.125 H121.B32.125
150	40	200	192	12,2	52	H101.B32.150 H121.B32.150
200	50	200	240	12,2	48	H101.B32.200 H121.B32.200



#### Tread

Polyurethane blue 85 +/- 4 Shore A

Wheel Body Plastic

**Bearing** Plain bearing

#### Stainless steel heavy duty castors



#### Description

- $\cdot$  Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake









300 – 700 kg













mm





Tread Plastic

#### Wheel Body

Plastic

#### **Bearing**

Stainless steel roller bearing



100	35	300	128	100x84	80x60	9	42	HS100.B14.100	HS110.B14.100	HS120.B14.100
125	45	700	164	132x110	105x80	12	61	HS100.B14.125	HS110.B14.125	HS120.B14.125
150	45	700	195	132x110	105x80	12	62	HS100.B14.150	HS110.B14.150	HS120.B14.150
150	45	450	195	132x110	105x80	12	62	HS100.B14.151	HS110.B14.151	HS120.B14.151
200	50	700	242	132x110	105x80	12	61	HS100.B14.200	HS110.B14.200	HS120.B14.200
200	50	450	241	132x110	105x80	12	61	HS100.B14.201	HS110.B14.201	HS120.B14.201



Polyurethane red 98'+/-4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Stainless steel roller bearing



100	40	300	128	100x84	80x60	9	42	HS100.B28.100	HS110.B28.100	HS120.B28.100
125	40	300	157	100x84	80x60	9	53	HS100.B28.125	HS110.B28.125	HS120.B28.125
125	45	500	164	132x110	105x80	12	61	HS100.B28.126	HS110.B28.126	HS120.B28.126
150	45	600	195	132x110	105x80	12	62	HS100.B28.150	HS110.B28.150	HS120.B28.150
150	45	450	195	132x110	105x80	12	61	HS100.B28.151	HS110.B28.151	HS120.B28.151
200	50	700	242	132x110	105x80	12	61	HS100.B28.200	HS110.B28.200	HS120.B28.200
200	50	450	241	132x110	105x80	12	61	HS100.B28.201	HS110.B28.201	HS120.B28.201





#### Stainless steel heavy duty castors







#### Description

- $\cdot$  Fork of stainless steel
- $\cdot$  dual-row ball bearings collar in fork head

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

	+P1+
mm	mm

























300 – 700 kg

100	35	300	128	100x84	80x60	9	42	HS100.A90.100	HS110.A90.100	HS120.A90.100
125	45	700	164	132x110	105x80	9	53	HS100.A90.125	HS110.A90.125	HS120.A90.125
150	45	700	195	132x110	105x80	12	62	HS100.A90.150	HS110.A90.150	HS120.A90.150
150	45	450	195	132x110	105x80	12	62	HS100.A90.151	HS110.A90.151	HS120.A90.151
200	50	700	242	132x110	105x80	12	61	HS100.A90.200	HS110.A90.200	HS120.A90.200
200	50	450	241	132x110	105x80	12	61	HS100.A90.201	HS110.A90.201	HS120.A90.201





Wheel Body Plastic

**Bearing** Plain bearing

100	40	300	128	100x84	80x60	9	42	HS100.B27.100	HS110.B27.100	HS120.B27.100
125	40	300	157	100x84	80x60	9	53	HS100.B27.125	HS110.B27.125	HS120.B27.125
125	45	500	164	132x110	132x110	12	61	HS100.B27.126	HS110.B27.126	HS120.B27.126
150	45	600	195	132x110	132x110	12	62	HS100.B27.150	HS110.B27.150	HS120.B27.150
150	45	450	195	132x110	132x110	12	62	HS100.B27.151	HS110.B27.151	HS120.B27.151
200	50	600	242	132x110	132x110	12	61	HS100.B27.200	HS110.B27.200	HS120.B27.200
200	50	450	241	132x110	132x110	12	61	HS100.B27.201	HS110.B27.201	HS120.B27.201



#### Tread Polyurethane red 98 +/- 4 Shore A

Wheel Body Plastic

**Bearing** Plain bearing





WE GET BAKERY **PRODUCTS ROLLING** 

Bakeries require castors that can be used in extreme and fluctuating temperature ranges. The dough pieces usually remain on transport or rack trolleys on their journey from the freezer to the oven. There our bakery castors offer good running properties from -40 °C to the tempering and baking ovens at +280 °C, at the same time meeting the high hygiene requirements of frequent cleaning intervals in the food sector with housings made of stainless steel.





100 – 130 kg

#### Description

- · Fork of stainless steel
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



#### Tread

Thermoplastic blend, -40 °C/+280 °C, short term to +300 °C

#### Wheel Body

Thermoplastic blend

#### **Bearing**

Plain bearing

#### Tread

Rubber blue, -40 °C/+250 °C

#### Wheel Body

Aluminium

#### **Bearing**

Ball bearing









0	
mm	r







mm









100	35	130	127	95x80	80x60	9	32	H100.B22.100	H110.B22.100	H120.B22.100





100	40	100	127	95x80	80x60	9	32	H100.B24.100	H110.B24.100	









# -40 °C/+280 °C







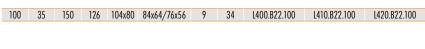
#### Description

- · Fork of sheet steel
- · zinc-chromatised
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake









Thermoplastic blend, -40 °C/+280 °C, short term to +300 °C

#### Wheel Body

Thermoplastic blend

#### Bearing

Plain bearing

#### Tread

Rubber blue, -40 °C/+250 °C

#### Wheel Body

Aluminium

**Bearing**Ball bearing





# ROBUST AND RESISTANT



Wherever transport castors are needed things have to be done quickly, because time is money. Therefore, these castors have to endure and perform in extreme conditions. They are used in various industries and branches for moving transport racks, transport boxes, containers or similar workpiece carriers, mostly in production and assembly. There they have to meet a wide range of requirements, such as being heat resistant, resistant to chemicals or they have to protect sensitive transport goods such as glass or circuit boards from vibrations.



The events and music industry relies on blue wheels, which can be found under almost all cases. Our specialist castors are deployed in scaffolding, ladder or site fence construction. Due to the great depth and breadth of the range, our castors can be used in a wide variety of applications with vastly differing requirements.



#### 0

# TRANSPORT CASTORS

TPE CASTORS
BLUE WHEELS
COMPACT CASTORS









#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromatised}$
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



**3** 80 − 600 kg

#### Tread

Plastic

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing  $(\emptyset 58 \text{ mm plain bearing})$ 









NEW

0	0	3	<u> </u>	$\overline{\overline{\overline{U}}}$	<u> </u>	$\overline{\overline{\overline{\mathcal{O}}}}$		$\overline{U}$	$\overline{\bigcirc}$
mm	mm	kg	mm	mm	mm	mm	mm		

58	29	80	83	93x70	78x46	8	15	L400.A90.058		
58	29	80	83	112x54	88x27	8	15		L410.A90.058	
80	30	125	105	104x80	84x64/76x56	9	34	L400.B10.080	L410.B10.080	L420.B10.080
100	30	175	132	105x85	80x60	11	36	LB500.B10.100	LB510.B10.100	LB520.B10.100
100	35	125	128	104x80	84x64/76x56	9	34	L400.B10.100	L410.B10.100	L420.B10.100
100	35	350	132	105x85	80x60	11	36	LB500.B10.101	LB510.B10.101	LB520.B10.101
108	37	125	128	104x80	84x64/76x56	9	37	L400.B10.108	L410.B10.108	
125	34	250	157	105x85	80x60	11	36	LB500.B10.125	LB510.B10.125	LB520.B10.125
125	35	175	155	105x80	84x64/76x56	9	34	L400.B10.125	L410.B10.125	L420.B10.125
125	35	200	155	115x85	80x55/60	9	34	LS400.B10.125	LS410.B10.125	LS420.B10.125
125	40	300	157	105x85	80x60	11	36	LB500.B10.126	LB510.B10.126	LB520.B10.126
125	45	300	166	138x109	105x75/80	11	48	LSS400.B10.125	LSS410.B10.125	LSS420.B10.125
150	50	300	190	135x110	105x75/80	11	48	L400.B10.150	L410.B10.150	L420.B10.150
175	45	300	215	135x110	105x75/80	11	57	L400.B10.175	L410.B10.175	L420.B10.175
200	50	300	235	135x110	105x75/80	11	58	L400.B10.200	L410.B10.200	L420.B10.200
250	50	600	303	138x110	105x75	11	55	L400.B10.250	L410.B10.250	L420.B10.250

Available alternative: Plain bearing

#### **Tread**

Plastic

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



									*	
80	30	155	105	104x80	84x64/76x56	9	34	L400.B15.081	L410.B15.081	L420.B15.081
100	32	160	128	104x80	84x64/76x56	9	34	L400.B15.101	L410.B15.101	L420.B15.101
125	50	300	166	138x109	105x75/80	11	48	LSS400.B15.126	LSS410.B15.126	LSS420.B15.126
150	50	300	190	135x110	105x75/80	11	48	L400.B15.151	L410.B15.151	L420.B15.151
200	50	300	235	135x110	105x75/80	11	58	L400.B15.201	L410.B15.201	L420.B15.201

#### **Tread**

Polyurethane red 98 +/- 4 Shore A

#### Wheel Body

Plastic





Polyurethane blue 85 +/- 4 Shore A

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing



80	28	125	105	104x80	84x64/76x56	9	34	L400.B31.080	L410.B31.080	L420.B31.080
100	30	125	128	104x80	84x64/76x56	9	34	L400.B31.100	L410.B31.100	L420.B31.100
100	30	140	132	105x85	80x60	- 11	36	LB500.B31.100	LB510.B31.100	LB520.B31.100
125	32	150	155	105x80	84x64/76x56	9	34	L400.B31.125	L410.B31.125	L420.B31.125
125	32	180	157	105x85	80x60	- 11	36	LB500.B31.125	LB510.B31.125	LB520.B31.125
150	35	240	190	135x110	105x75/80	11	48	L400.B31.150	L410.B31.150	L420.B31.150
200	45	300	235	135x110	105x75/80	11	58	L400.B31.200	L410.B31.200	L420.B31.200



80	28	125	105	104x80	84x64/76x56	9	34	L400.B36.080	L410.B36.080	L420.B36.080
100	30	125	128	104x80	84x64/76x56	9	34	L400.B36.100	L410.B36.100	L420.B36.100
125	32	150	155	105x80	84x64/76x56	9	34	L400.B36.125	L410.B36.125	L420.B36.125
150	35	200	190	135x110	105x75/80	11	48	L400.B36.150	L410.B36.150	L420.B36.150
200	45	300	235	135x110	105x75/80	11	58	L400.B36.200	L410.B36.200	L420.B36.200







0	0	1	<u> </u>			
mm	mm	kg	mm	mm	mm	

#### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromatised
- · dual-row ball bearings collar in fork head

#### Model

**W** 

L121.B36.080 L121.B36.100

L121.B36.125

L121.B36.150

L121.B36.200

 $\overline{U}$ 

- · Swivel castor
- · Swivel castor with total brake



125 – 250 kg

80	30	125	107	12,2	32	L101.B10.080	L121.B10.080
100	30	125	128	12,2	33	L101.B10.100	L121.B10.100
125	37,5	150	157	12,2	46	L101.B10.125	L121.B10.125
150	40	150	185	12,2	47	L101.B10.150	L121.B10.150
200	50	250	240	12,2	56	L101.B10.200	L121.B10.200

Available alternative: Stem fitting



Tread

Plastic

Wheel Body Plastic

Bearing Roller bearing

80	28	125	107	12,2	32	L101.B31.080	L121.B31.080
100	30	125	128	12,2	33	L101.B31.100	L121.B31.100
125	32	150	157	12,2	46	L101.B31.125	L121.B31.125
150	35	150	185	12,2	47	L101.B31.150	L121.B31.150
200	45	250	240	12,2	56	L101.B31.200	L121.B31.200

Available alternative: Stem fitting



Tread Polyurethane red 98<sup>+</sup>/-4 Shore A

Wheel Body Plastic

Bearing Roller bearing



Tread Polyurethane blue 85'+/-4 Shore A

Wheel Body Plastic

**Bearing** Roller bearing

80	28	125	107	12,2	32	L101.B36.080
100	30	125	128	12,2	33	L101.B36.100
125	32	150	157	12,2	46	L101.B36.125
150	35	150	185	12,2	47	L101.B36.150
200	45	250	240	12,2	56	L101.B36.200

Available alternative: Stem fitting



#### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake





**Tread**Rubber black

Wheel Body Steel rim, Ø 80 up to 200 mm with thread guard

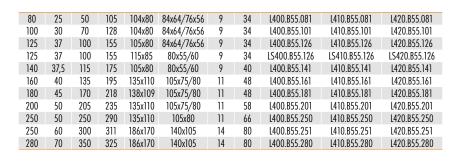
**Bearing**Roller bearing







0		3	<u> </u>	$\overline{\overline{\overline{U}}}$	$\overline{\overline{\mathbb{Q}}}$	$\overline{\overline{U}}$	<u> </u>	$\overline{U}$	$\overline{\bigcup}$	· <b>W</b>
mm	mm	kg	mm	mm	mm	mm	mm			





**Tread**Rubber grey

Wheel Body Steel rim

**Bearing**Roller bearing

Rubber black, electrically conductive

Wheel Body Steel rim

Tread

**Bearing**Roller bearing



80	26	50	105	104x80	84x64/76x56	9	34	L400.B56.080	L410.B56.080	L420.B56.080
100	30	70	128	104x80	84x64/76x56	9	34	L400.B56.100	L410.B56.100	L420.B56.100
125	37	100	155	105x80	84x64/76x56	9	34	L400.B56.125	L410.B56.125	L420.B56.125
160	40	135	195	135x110	105x75/80	11	48	L400.B56.160	L410.B56.160	L420.B56.160
200	50	205	235	135x110	105x75/80	11	58	L400.B56.200	L410.B56.200	L420.B56.200



80	30	65	105	104x80	84x64/76x56	9	34	L400.B58.080	L410.B58.080	L420.B58.080
100	30	100	128	104x80	84x64/76x56	9	34	L400.B58.100	L410.B58.100	L420.B58.100
125	37	120	155	105x80	84x64/76x56	9	34	L400.B58.125	L410.B58.125	L420.B58.125
125	37	115	155	115x85	80x55/60	9	34	LS400.B58.125	LS410.B58.125	LS420.B58.125
160	40	135	195	135x110	105x75/80	11	48	L400.B58.160	L410.B58.160	L420.B58.160
200	50	205	235	135x110	105x75/80	11	58	L400.B58.200	L410.B58.200	L420.B58.200









<b>(</b> )	0	1	<u>U</u>	<u></u>	<del></del>	
mm	mm	ka	mm	mm	mm	







**3** 50 − 200 kg

80	30	50	108	12,2	32	L101.B55.080	L121.B55.080
100	30	70	128	12,2	33	L101.B55.100	L121.B55.100
125	37	100	157	12,2	39	L101.B55.125	L121.B55.125
160	40	160	190	12,2	47	L101.B55.160	L121.B55.160
200	50	200	240	12,2	56	L101.B55.200	L121.B55.200

Available alternative: Stem fitting



Description · Fork of sheet steel  $\cdot \, \text{zinc-chromated}$ 

Model · Swivel castor

 $\cdot$  dual-row ball bearings collar in fork head

· Swivel castor with total brake

Tread Rubber black

Wheel Body Steel rim

Bearing Roller bearing

80	26	50	108	12,2	32	L101.B56.080	L121.B56.080
100	30	70	128	12,2	33	L101.B56.100	L121.B56.100
125	37	100	157	12,2	39	L101.B56.125	L121.B56.125
160	40	160	190	12,2	47	L101.B56.160	L121.B56.160
200	50	200	240	12,2	56	L101.B56.200	L121.B56.200

Available alternative: Stem fitting



Tread Rubber grey

Wheel Body Steel rim

**Bearing** Roller bearing

58.080	
58.100	
58.125	
58.160	- 1
58.200	- 1
	1

Tread Rubber black, electrically conductive

Wheel Body Steel rim

Bearing Roller bearing

80	30	65	108	12,2	32		L101.B58.080	L121.B58.080
100	30	70	128	12,2	33		L101.B58.100	L121.B58.100
125	37	100	157	12,2	39		L101.B58.125	L121.B58.125
160	40	160	190	12,2	47		L101.B58.160	L121.B58.160
200	50	200	239	12,2	56		L101.B58.200	L121.B58.200
A -1 1 1	I.		fr					

Available alternative: Stem fitting





#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



**3** 50 − 205 kg

Tread Rubber black

Wheel Body Plastic

**Bearing** Plain bearing

Tread Rubber black

Wheel Body Plastic

**Bearing** Plain bearing

Tread Rubber black

Wheel Body Plastic

**Bearing** Roller bearing

Tread Rubber grey

Wheel Body Plastic

**Bearing** Roller bearing







<b>(3)</b>	0	1	<u>[</u>	$\overline{\overline{U}}$	<u> </u>			$\overline{U}$	$\overline{\bigcirc}$	· <b>W</b>
mm	mm	kg	mm	mm	mm	mm	mm			

80	25	50	105	104x80	84x64/76x56	9	34	L400.B40.080	L410.B40.080	L420.B40.080
100	30	70	128	104x80	84x64/76x56	9	34	L400.B40.100	L410.B40.100	L420.B40.100
125	37,5	100	155	105x80	84x64/76x56	9	34	L400.B40.125	L410.B40.125	L420.B40.125
125	37,5	100	155	115x85	80x55/60	9	34	LS400.B40.125	LS410.B40.125	LS420.B40.125
140	38	115	175	105x80	80x55/60	9	40	L400.B40.140	L410.B40.140	L420.B40.140
160	40	135	195	135x110	105x75/80	11	48	L400.B40.160	L410.B40.160	L420.B40.160
200	50	205	237	135x110	105x75/80	11	58	L400.B40.200	L410.B40.200	L420.B40.200



80	35	100	106	104x80	84x64/76x56	9	34	L400.B40.081	L410.B40.081	L420.B40.081



80	30	50	105	104x80	84x64/76x56	9	34	L400.B45.080	L410.B45.080	L420.B45.080
100	30	70	128	104x80	84x64/76x56	9	34	L400.B45.100	L410.B45.100	L420.B45.100
125	37,5	100	155	105x80	84x64/76x56	9	34	L400.B45.125	L410.B45.125	L420.B45.125
160	40	135	195	135x110	105x75/80	11	48	L400.B45.160	L410.B45.160	L420.B45.160
200	50	205	237	135x110	105x75/80	- 11	58	L400.B45.200	L410.B45.200	L420.B45.200



80	35	50	105	104x80	84x64/76x56	9	34	L400.B46.080	L410.B46.080	L420.B46.080
100	30	70	128	104x80	84x64/76x56	9	34	L400.B46.100	L410.B46.100	L420.B46.100
125	37,5	100	155	105x80	84x64/76x56	9	34	L400.B46.125	L410.B46.125	L420.B46.125
160	40	135	195	135x110	105x75/80	11	48	L400.B46.160	L410.B46.160	L420.B46.160
200	50	205	237	135x110	105x75/80	11	58	L400.B46.200	L410.B46.200	L420.B46.200







 $\overline{U}$ 

0	0	1	<u>U</u>	<u> </u>	<del></del>	
mm	mm	ka	mm	mm	mm	

#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake



**3** 50 − 200 kg

80	25	50	108	12,2	32	L101.B40.080 L121.B40.080
100	30	70	128	12,2	33	L101.B40.100 L121.B40.100
125	38	100	157	12,2	39	L101.B40.125 L121.B40.125
140	38	130	177	12,2	48	L101.B40.140 L121.B40.140
160	40	150	190	12,2	47	L101.B40.160 L121.B40.160
200	50	200	240	12,2	56	L101.B40.200 L121.B40.200

Available alternative: Stem fitting



Tread Rubber black

Wheel Body Plastic

Bearing Plain bearing

80	30	50	108	12,2	32	L101.B45.080 L121.B45.080
100	30	70	128	12,2	33	L101.B45.100 L121.B45.100
125	37,5	100	157	12,2	39	L101.B45.125 L121.B45.125
160	40	150	190	12,2	47	L101.B45.160 L121.B45.160
200	50	200	240	12,2	56	L101.B45.200 L121.B45.200

Available alternative: Stem fitting



Tread Rubber black

Wheel Body Plastic

**Bearing** Roller bearing

80	35	50	107	12,2	32			L101.B46.080	L121.B46.080
100	30	70	128	12,2	33			L101.B46.100	L121.B46.100
125	37,5	100	152	12,2	40			L101.B46.125	L121.B46.125
160	40	150	190	12,2	47			L101.B46.160	L121.B46.160
200	50	200	240	12,2	56			L101.B46.200	L121.B46.200
Available alternative: Stem fittina									



Tread Rubber grey

Wheel Body Plastic

Bearing Roller bearing





# NOW TPE IS AVAILABLE IN COLOUR

When top properties get colourful, it's the new coloured thermoplastic castors. Coloured castors make any transport item more personable and special. We have put together the standard colours black/green, orange/light grey, red/dark grey and natural/light blue. Regardless of whether they are coloured or grey, all TPE castors have the same ingenious properties: They can be manoeuvred like a dream, are extremely quiet, do not mark and have low rolling resistance.





Special production in your desired colours



You don't want to compromise your individuality? Then we'll produce coloured TPE castors for your furniture or your workpiece series in the colour of your choice (according to RAL, etc.). Decide how you want to combine the colours of the wheel centre and tread.

Get in touch with our experts. We'll advise you on your options and purchase quantities.









# Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



























100 – 220 kg

80	32	100	105	104x80	84x64/76x56	9	34	L400.B44.081.02	L410.B44.081.02	L420.B44.081.02
100	32	110	128	104x80	84x64/76x56	9	34	L400.B44.101.02	L410.B44.101.02	L420.B44.101.02
125	32	120	155	104x80	84x64/76x56	9	34	L400.B44.126.02	L410.B44.126.02	L420.B44.126.02
160	45	200	195	135x110	105x75/80	11	48	L400.B44.161.02	L410.B44.161.02	L420.B44.161.02
200	45	220	235	135x110	105x75/80	- 11	58	L400.B44.201.02	L410.B44.201.02	L420.B44.201.02





Wheel Body Plastic orange

**Bearing** Roller bearing

80 32 100 105 104x80 84x64/76x56 9 34 L400.B44.081.03 L410.B44.081.03 L420.B44.01 100 32 110 128 104x80 84x64/76x56 9 34 L400.B44.101.03 L410.B44.101.03 L420.B44.101.03	
100 32 110 128 10.0×80 80×60/76×54 9 30 1000 800 101 03 1010 03 1020 800 1	081.03
100 32 110 120 104800 04804/70830 / 34 1400.044.101.03 1410.044.101.03 1420.044.10	01.03
125 32 120 155 104x80 84x64/76x56 9 34 L400.B44.126.03 L410.B44.126.03 L420.B44.12	26.03
160 45 200 195 135x110 105x75/80 11 48 L400.B44.161.03 L410.B44.161.03 L420.B44.16	61.03
200 45 220 235 135x110 105x75/80 11 58 L400.B44.201.03 L410.B44.201.03 L420.B44.2	201.03



Tread Thermoplastic rubber grey

Wheel Body Plastic red

**Bearing** Roller bearing

80	32	100	105	104x80	84x64/76x56	9	34	L400.B44.081.04	L410.B44.081.04	L420.B44.081.04
100	32	110	128	104x80	84x64/76x56	9	34	L400.B44.101.04	L410.B44.101.04	L420.B44.101.04
125	32	120	155	104x80	84x64/76x56	9	34	L400.B44.126.04	L410.B44.126.04	L420.B44.126.04
160	45	200	195	135x110	105x75/80	11	48	L400.B44.161.04	L410.B44.161.04	L420.B44.161.04
200	45	220	235	135x110	105x75/80	- 11	58	L400.B44.201.04	L410.B44.201.04	L420.B44.201.04



Tread Thermoplastic rubber green

Wheel Body Plastic black

**Bearing** Roller bearing

80	32	100	105	104x80	84x64/76x56	9	34	L400.B44.081.05	L410.B44.081.05	L420.B44.081.05
100	32	110	128	104x80	84x64/76x56	9	34	L400.B44.101.05	L410.B44.101.05	L420.B44.101.05
125	32	120	155	104x80	84x64/76x56	9	34	L400.B44.126.05	L410.B44.126.05	L420.B44.126.05
160	45	200	195	135x110	105x75/80	11	48	L400.B44.161.05	L410.B44.161.05	L420.B44.161.05
200	45	220	235	135x110	105x75/80	-11	58	L400.B44.201.05	L410.B44.201.05	L420.B44.201.05



Tread Thermoplastic rubber light blue

Wheel Body Plastic nature

**Bearing** Roller bearing



#### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake









100 – 300 kg

















#### **Tread**

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing** Plain bearing



80	32	100	105	104x80	84x64/76x56	9	34	L400.B43.081	L410.B43.081	L420.B43.081
100	32	110	128	104x80	84x64/76x56	9	34	L400.B43.101	L410.B43.101	L420.B43.101
125	32	120	155	104x80	84x64/76x56	9	34	L400.B43.126	L410.B43.126	L420.B43.126
125	32	120	155	115x85	80x55/60	9	34	LS400.B43.126	LS410.B43.126	LS420.B43.126
160	45	200	195	135x110	105x75/80	11	48	L400.B43.161	L410.B43.161	L420.B43.161
200	45	220	235	135x110	105x75/80	11	58	L400.B43.201	L410.B43.201	L420.B43.201
250	45	300	292	135x110	105x75/80	12	60	1400 B43 250	1410 B43 250	1420 B43 250



Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing



80	32	100	105	104x80	84x64/76x56	9	34	L400.B44.081	L410.B44.081	L420.B44.081
100	32	110	128	104x80	84x64/76x56	9	34	L400.B44.101	L410.B44.101	L420.B44.101
125	32	120	155	104x80	84x64/76x56	9	34	L400.B44.126	L410.B44.126	L420.B44.126
125	32	120	155	115x85	80x55/60	9	34	LS400.B44.126	LS410.B44.126	LS420.B44.126
160	45	200	195	135x110	105x75/80	11	48	L400.B44.161	L410.B44.161	L420.B44.161
200	45	220	235	135x110	105x75/80	11	58	L400.B44.201	L410.B44.201	L420.B44.201
250	45	300	292	135x110	105x75/80	12	60	L400.B44.250	L410.B44.250	L420.B44.250

#### **Tread**

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Ball bearing



80	32	100	105	104x80	84x64/76x56	9	34	L400.A85.082	L410.A85.082	L420.A85.082
100	32	110	128	104x80	84x64/76x56	9	34	L400.A85.102	L410.A85.102	L420.A85.102
125	32	120	155	104x80	84x64/76x56	9	34	L400.A85.127	L410.A85.127	L420.A85.127
125	32	120	155	115x85	80x55/60	9	34	LS400.A85.127	LS410.A85.127	LS420.A85.127
160	45	200	195	135x110	105x75/80	11	48	L400.A85.162	L410.A85.162	L420.A85.162
200	45	220	235	135x110	105x75/80	11	58	L400.A85.202	L410.A85.202	L420.A85.202
250	45	300	292	135x110	105x75/80	12	60	L400.A85.250	L410.A85.250	L420.A85.250



Top rim design, modern look

TPE is the abbreviation for the innovative thermoplastic tyres on our transport castors. This material, with its excellent properties, has become indispensable in logistics across all industries. It more than fulfills the contact requirements for any flooring and is impressively quiet. The significantly reduced noise level improves the working atmosphere for employees.





125

160

200

32

45

120

200

220



<b>(3)</b>	0	1	<u>[</u>	<del></del>	

157

208

12,2

12,2

12,2

mm	mm	kg	mm	mm	mm			
80	32	100	108	12,2	32		L101.B43.081	L121.B43.081
100	32	110	128	12.2	33		L101.B43.101	L121.B43.101

46

56

56

 $\overline{U}$ 

L101.B43.126

L101.B43.161

L101.B43.201

(t)

L121.B43.126

L121.B43.161

L121.B43.201

Ī	80	32	100	108	12,2	32	L101.B44.081	L121.B44.081
	100	32	110	128	12,2	33	L101.B44.101	L121.B44.101
	125	32	120	157	12,2	46	L101.B44.126	L121.B44.126
	160	45	200	208	12,2	56	L101.B44.161	L121.B44.161
	200	45	220	240	12.2	56	1101 R44 201	1121 R44 201

80	32	100	108	12,2	32	L101.A85.082 L121.A85.082
100	32	110	128	12,2	33	L101.A85.102 L121.A85.102
125	32	120	157	12,2	46	L101.A85.127 L121.A85.127
160	45	200	208	12,2	56	L101.A85.162 L121.A85.162
200	45	220	240	12.2	56	L101.A85.202 L121.A85.202

#### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Swivel castor with total brake





#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing** Plain bearing



#### Tread

Thermoplastic rubber grey

#### Wheel Body

Plastic

#### **Bearing**

Roller bearing



#### Tread

Thermoplastic rubber grey

#### Wheel Body Plastic

**Bearing** Ball bearing

#### All features of TPE castors:

- · No more tracking: these tyres don't leave marks
- · Extremely quiet, protects hearing, pleasant acoustics throughout halls
- · Easily manoeuvrable, even with large and heavy loads
- · Low rolling resistance, saves effort when pushing and pulling
- · Excellent operator comfort, buffers vibrations
- · Durably robust in use



#### Description

- · Fork of sheet steel
- · zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake







NEW



120 – 350 kg

Tread

Elastic rubber black

Wheel Body

Plastic

**Bearing** 

Roller bearing



100	30	140	127	104x80	84x64/76x56	9	34	L400.B60.100	L410.B60.100	L420.B60.100
125	45	150	155	115x85	80x55/60	9	34	LS400.B60.125	LS410.B60.125	LS420.B60.125
125	50	300	166	138x109	105x75/80	- 11	48	LSS400.B60.125	LSS410.B60.125	LSS420.B60.125
160	50	250	195	135x110	105x75/80	11	48	L400.B60.160	L410.B60.160	L420.B60.160
200	50	300	235	135x110	105x75/80	11	58	L400.B60.200	L410.B60.200	L420.B60.200

mm mm

mm

 $\overline{\mathcal{U}}$ 



Tread Elastic rubber blue

Wheel Body

Plastic (100 mm  $\emptyset$  with threadguards)

**Bearing** 

Roller bearing

Tread

Elastic rubber blue

Wheel Body

Plastic

Bearing

Ball bearing





100	26	140	128	104x80	84x64/76x56	9	34	L500.B61.101	L410.B61.101	L520.B61.101
100	32	200	132	106x85	80x60	9	34	LS500.B61.101	LS510.B61.101	LS520.B61.101
125	45	140	155	115x85	80x55/60	9	34	LS400.B61.125	LS410.B61.125	LS420.B61.125
125	50	300	166	138x109	105x75/80	11	45	LSS400.B61.125	LSS410.B61.125	LSS420.B61.125
160	42	300	195	135x110	105x75/80	11	48	L400.B61.160	L410.B61.160	L420.B61.160
200	50	350	235	135x110	105x75/80	11	58	L400.B61.200	L410.B61.200	L420.B61.200

80	32	120	105	104x80	84x64/76x56	9	34	L400.B62.081	L410.B62.081	L420.B62.081
100	32	150	128	104x80	84x64/76x56	9	34	L400.B62.101	L410.B62.101	L420.B62.101
125	32	175	155	104x80	84x64/76x56	9	34	L400.B62.126	L410.B62.126	L420.B62.126
160	50	300	195	135x110	105x75/80	11	48	L400.B62.161	L410.B62.161	L420.B62.161
200	50	300	235	135x110	105x75/80	11	58	L400.B62.201	L410.B62.201	L420.B62.201
										•









#### Description

- $\cdot$  Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

$\bigcirc$	•
mm	mm















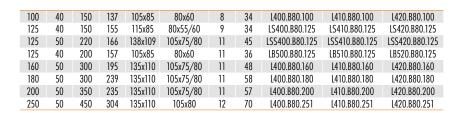








150 – 450 kg







**Bearing** Ball bearing

100	40	150	137	105x85	80x60	9	34	L400.B83.100	L410.B83.100	L420.B83.100
125	40	150	155	115x85	80x55/60	9	34	LS400.B83.125	LS410.B83.125	LS420.B83.125
125	50	220	166	138x109	105x75/80	11	45	LSS400.B83.125	LSS410.B83.125	LSS420.B83.125
125	40	300	157	105x85	80x60	11	36	LB500.B83.125	LB510.B83.125	LB520.B83.125
160	50	300	195	135x110	105x75/80	12	51	L400.B83.160	L410.B83.160	L420.B83.160
200	50	350	235	135x110	105x75/80	11	58	L400.B83.200	L410.B83.200	L420.B83.200



Tread Elastic rubber grey

Wheel Body Aluminium

**Bearing** Ball bearing







### CASTORS MADE OF BESOTHANE, THE POLYURE-THANE-ELASTOMER 2.0

Cast polyurethane castors have been used for many years in tough use continuous as a wide variety of transport castors. We are expanding this performance with the new Besothane material mix. Besothane improves performance even more in important areas and makes everyday use easier:

#### Optimised starting and rolling resistance

Wherever castors are used in stop-and-go operation, the necessary energy is reduced. Frequent starts are now pleasantly easier on castors with a Besothane tread.

#### Less compression set and better abrasion resistance

Besothane also shows its strengths with outstanding compression set resistance when standing under load. The material with a hardness of 83 +/- 3 Shore A behaves just as well in terms of abrasion resistance and the castors run without leaving marks. Both factors indicate durability in use.

#### Less endurance resistance

Even over longer distances, e.g. transport from hall to hall, Besothane scores highly, because the reduced running resistance saves energy in continuous operation and energy loss is minimised.

#### Resistant to oils, fats and many chemicals

Wherever castors come into contact with oils and fats, Besothane shows its strength due to its excellent resistance. Besothane is also the PU of choice for many chemicals.

#### Easy running and manoeuvrability

Even with heavy loads on loaded transport units, Besothane has impressively smooth and improved running properties, is quiet and gentle on the floor. The pleasant procedure makes handling a lot easier than before, even when cornering and in turning.

#### Crowned tyre profile

The optimised contact force of the convex running surface offers manoeuvrability and optimised contact force. The surface in contact with the ground was precisely matched to the bandage material. This combination between the Besothane material mixture, hardness and tread profile offers consistent ease of use.





#### Besothane transport castors







#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

Ø	0
mm	mm



























155 – 350 kg

80	40	155	105	104x80	84x64/76x56	9	34	L400.B92.080	L410.B92.080	L420.B92.080
100	40	160	128	104x80	84x64/76x56	9	34	L400.B92.100	L410.B92.100	L420.B92.100
125	50	300	166	138x109	105x75/80	11	48	LSS400.B92.125	LSS410.B92.125	LSS420.B92.125
160	50	300	195	138x109	105x75/80	11	58	L400.B92.160	L410.B92.160	L420.B92.160
200	50	300	235	138x109	105x75/80	11	58	L400.B92.200	L410.B92.200	L420.B92.200
250	50	350	292	135x110	105x80	12	60	L400.B92.250	L410.B92.250	L420.B92.250

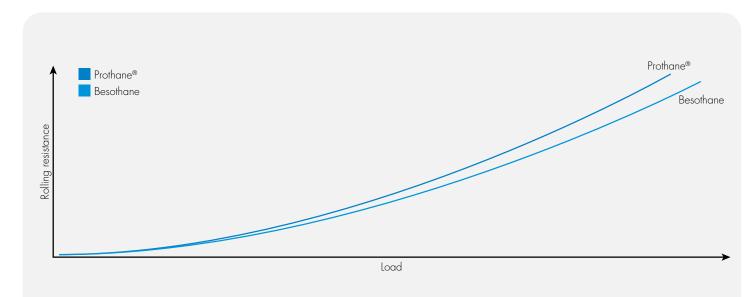


#### Tread Besothane cast polyurethane 83 +/- 3 Shore A

Wheel Body Aluminium

Bearing Ball bearing

#### Properties in comparison



	Besothane	Prothane®
Shore hardness	83 Shore A	93 Shore A
Rebound resilience	45 - 55 %	20 - 25 %
Tensile strength	30 — 35 Mpa	30 — 35 Mpa
Elongation at break	500 - 700 %	400 - 600 %
Tear resistance	85 — 95 N/mm	75 - 85 N/mm

	Besothane	Prothane®
Compression set resistance	++	=
Hydrolysis resistance	+	+
Oil resistance	++	=
Anti-UV	+	=
Dynamic load capacity	+	=
Cut and tear resistance	+	+
Abrasion resistance	++	+

++ Excellent + Good = Normal



T

#### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



120 – 450 kg

#### Tread

Prothane® cast polyurethane 95 +/- 3 Shore A

#### Wheel Body

Aluminium

#### Bearing

Ball bearing

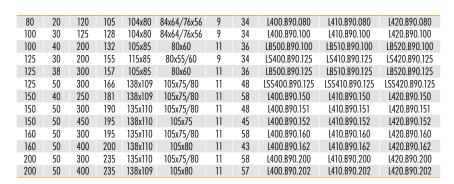




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mm	mm	kg	mm	mm	mm	mm	mr





#### Tread Cast polyurethane 78 Shore A

#### Wheel Body

Aluminium

#### **Bearing**

Ball bearing



100	40	150	137	105x85	80x60	8	34	L400.B91.100	L410.B91.100	L420.B91.100
125	40	200	155	115x85	80x55/60	9	34	LS400.B91.125	LS410.B91.125	LS420.B91.125
160	50	300	195	135x110	105x75/80	11	58	L400.B91.160	L410.B91.160	L420.B91.160
200	50	300	235	135x110	105x75/80	11	58	L400.B91.200	L410.B91.200	L420.B91.200

#### Tread

Prothane® cast polyurethane 95 +/- 3 Shore A

#### Wheel Body

Cast iron

#### **Bearing**

Ball bearing

#### Tread

Cast polyurethane 78 Shore A

#### Wheel Body

Cast iron

#### Bearing

Ball bearing



80	20	120	105	104x80	84x64/76x56	9	34	L400.C10.080	L410.C10.080	L420.C10.080
100	30	125	128	104x80	84x64/76x56	9	34	L400.C10.100	L410.C10.100	L420.C10.100
100	38	295	132	105x85	80x60	11	36	LB500.C10.100	LB510.C10.100	LB520.C10.100
125	30	200	155	115x85	80x55/60	11	48	LS400.C10.125	LS410.C10.125	LS420.C10.125
125	40	300	166	138x109	105x75/80	11	48	LSS400.C10.125	LSS410.C10.125	LSS420.C10.125
125	40	350	157	105x85	80x60	11	36	LB500.C10.125	LB510.C10.125	LB520.C10.125
150	50	450	195	135x110	105x80	11	43	L400.C10.152	L410.C10.152	L420.C10.152
200	50	300	235	135x110	105x75/80	11	58	L400.C10.200	L410.C10.200	L420.C10.200
200	50	450	235	135x110	105x80	11	57	L400.C10.202	L410.C10.202	L420.C10.202



125	50	300	166	138x109	105x75/80	11	48	LSS400.C11.125	LSS410.C11.125	LSS420.C11.125
150	50	300	181	135x110	105x75/80	11	58	L400.C11.150	L410.C11.150	L420.C11.150
200	50	300	235	135x110	105x75/80	- 11	58	L400.C11.200	L410.C11.200	L420.C11.200









#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- $\cdot$  dual-row ball bearings collar in fork head

#### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

0	0	1	<u> </u>	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\overline{\mathcal{O}}}}$	$\overline{\overline{C}}$		$\overline{U}$	$\overline{\bigcirc}$	· <b>W</b>
mm	mm	kg	mm	mm	mm	mm	mm			



200	50	75	235	135x105	105x75	11	55	L400.C90.200	L410.C90.200	L420.C90.200
230	65	130	255	135x105	105x75	11	61	L400.C90.230	L410.C90.230	L420.C90.230
260	85	130	295	175x175	140x140	15	70	L400.C90.260		L420.C90.260
260	85	130	295	230x125	190x75	15	70		L410.C90.260	
260	85	130	295	175x175	140x140	15	70	L400.C90.261		L420.C90.261
260	85	130	295	230x125	190x75	15	70		L410.C90.261	

Available alternative: studded profile



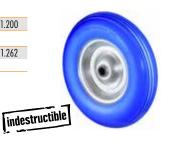
Tread

Pneumatic tyre, black rubber

Wheel Body Steel rim

**Bearing** Roller bearing

Tyre black													
200	50	75	235	138x109	105x75/80	11	58	L400.C91.200	L410.C91.200	L420.C91.200			
Tyre blue													
260	85	160	295	175x175	140x140	15	70	L400.C91.262		L420.C91.262			
260	85	160	295	230x125	190x75	15	70		L410.C91.262				



Tread Polyurethane

Wheel Body Steel rim alusilver powder coated

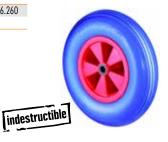
Bearing Roller bearing

Tread	
Polyurethane	blue

Wheel Body Plastic red

Bearing Roller bearing

260	85	160	295	175x175	140x140	15	70	L400.D16.260		L420.D16.260
260	85	160	295	230x125	190x75	15	70		L410.D16.260	





#### **Compact castors**





#### 100 – 120 kg

#### Swivel castor

- · Fork of sheet steel
- · dual-row ball collar in fork head

#### Tread

Polyurethane 90 +/- 3 Shore A

#### Wheel Body

Steel

#### Bearing

Ball bearing

#### **Fixed castor**

 $\cdot$  Fork of sheet steel

Polyurethane 90 +/- 3 Shore A

#### Wheel Body

Steel

#### Bearing

Ball bearing

#### Swivel castor with brake

- · Fork of sheet steel
- · dual-row ball collar in fork head

#### Tread

Polyurethane 90 +/- 3 Shore A

#### Wheel Body

Steel

#### **Bearing**

Ball bearing



0		1	<u>\bar{\bar{\bar{\bar{\bar{\bar{\bar{</u>	$\overline{\overline{\mathbb{Z}}}$	<u> </u>		<u> </u>	
mm	mm	kg	mm	mm	mm	mm	mm	

35	25	100	58	60x60	48x48/38x38	7	20	A600.C10.035
50	25	120	74	60x60	48x48/38x38	6,3	24	A600.C10.050





35	25	100	58	60x60	48x48/38x38	7	20	A620.C10.035
50	25	120	74	60x60	48x48/38x38	6.3	24	A620.C10.050



#### High load capacity with extremely low overall height

0	0		$\overline{U}$			
mm	mm	kg	mm	mm	mm	
		_				



(0)	Ų.		<b>⊘</b> į	$oldsymbol{arVert}$	lacksquare	
mm	mm	kg	mm	mm	mm	

35	25	100	58	11	20	A601.C10.035
50	25	120	74	11	24	A601.C10.050



#### **Bearing** Ball bearing

Polyurethane 90 +/- 3 Shore A Wheel Body Steel

Swivel castor · Fork of sheet steel · dual-row ball collar in fork head Tread

Fork of sheet steeldual-row ball collar in fork head

Swivel castor with brake

#### Tread

Polyurethane 90 +/- 3 Shore A

#### Wheel Body

Steel

#### Bearing

Ball bearing



35	25	100	58	11	20	A621.C10.035
50	25	120	74	11	24	A621.C10.050



### SURE THING -FOOT GUARD



An additional foot guard is a castor safety upgrade to prevent accidents. It fulfills its function regardless of footwear, from barefoot to safety shoes. The ideal safety protection for industry, logistics, manufacturing and catering.

The safety plank is located 15 mm above the floor. Its purpose is to prevent the foot or toes from being rolled over by heavy goods.



#### Order castors with foot guard directly

The safety foot guard is then installed directly at the factory. The foot guard is available for the housing series L400, LSS400, N100 and L600 for wheel diameters 125 – 200 mm.







# A FOOT MOVEMENT STOPS EVERYTHING

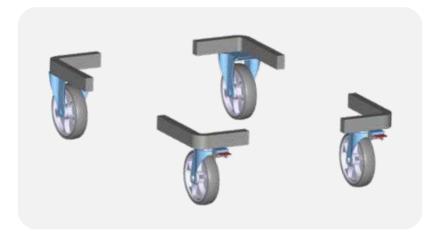
Central locking devices simplify the locking of transported goods when production, warehouse and logistics processes require frequent stop-and-go. The central locking device can be locked and released according to various principles by stepping on it.





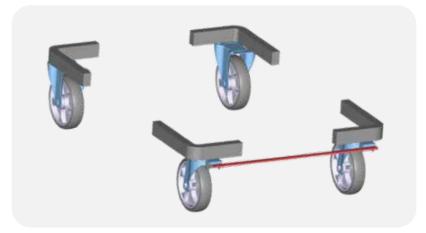


#### Swivel castors with central locking device



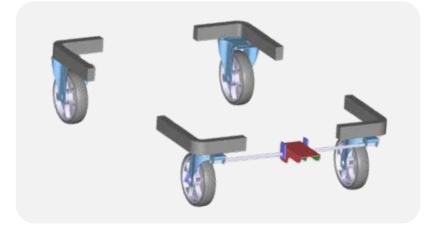
#### Individual fixing in position

The brakes are no longer mounted on the fork but integrated into the fork head. As a result, the locking device always remains positioned on the user-friendly side.



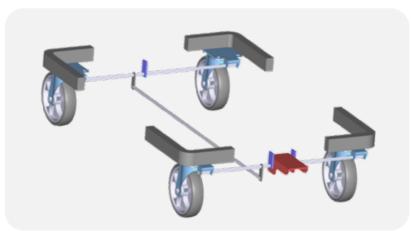
#### Central locking device with central step tab

Two swivel castors with brakes are synchronised by means of a connecting strap. Both castors are fixed or released again together by stepping on the tab in the middle.



#### Central brake with foot pedal

Two swivel castors are connected by a hexagonal rod. With one step on the lock release, both castors are locked or released again.



#### Central lock for 4 swivel castors

When 4 swivel castors are used, all the castors are connected to one another via carrier or control rods. When you step on the hold-open release, all four castors are locked or released at the same time.

#### Swivel castors with central locking device



#### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

· Swivel castor with central brake





135 – 300 kg





0	0	1	<u>U</u> !	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{U}}$	
mm	mm	kg	mm	mm	mm	mm	mm

Tread

Plastic

Wheel Body

Plastic

**Bearing** 

Roller bearing



150	50	300	192	135x110	105x75/80	11	48	L440.B10.150
200	50	300	237	135x110	105x75/80	11	58	L440.B10.200

Tread

Plastic

Wheel Body

Plastic

**Bearing** 

Ball bearing



200	50	300	237	135x110	105x75/80	11	58	L440.B15.201
150	50	300	192	135x110	105x75/80	11	48	L440.B15.151

Tread

Polyurethane blue 85 +/- 4 Shore A

Wheel Body

Plastic

**Bearing** 

Roller bearing



150	35	200	192	135x110	105x75/80	11	48	L440.B36.150
200	45	300	237	135x110	105x75/80	11	58	L440.B36.200

Tread

Rubber black

Wheel Body

Steel rim

**Bearing** 

Roller bearing



160	40	135	197	135x110	105x75/80	11	48		L440.B55.161
200	50	205	237	135x110	105x75/80	11	58		L440.B55.201

Thermoplastic rubber grey

Wheel Body

Plastic

**Bearing** 

Roller bearing



160	45	200	197	135x110	105x75/80	11	48		L440.B44.161
200	45	220	237	135x110	105x75/80	11	58		L440.B44.201



### Swivel castors with central locking device





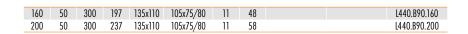
160	50	250	197	135x110	105x75/80	11	48	L440.B60.160
200	50	300	237	135x110	105x75/80	11	58	L440.B60.200

mm

160	50	300	197	135x110	105x75/80	11	48	L440.B62.160
200	50	300	237	135x110	105x75/80	11	58	L440.B62.200



160	50	300	197	135x110	105x75/80	11	48	L440.B92.160
200	50	300	237	135x110	105x75/80	11	58	L440.B92.200





· Fork of sheet steel

 $\cdot \, \text{zinc-chromated}$ 

· dual-row ball bearings collar in fork head

### Model

· Swivel castor with central brake





**Tread** Elastic rubber black

**Wheel Body** Plastic

**Bearing**Roller bearing



**Tread**Elastic rubber blue

**Wheel Body** Plastic

**Bearing**Ball bearing



**Tread**Elastic rubber black

Wheel Body Aluminium

**Bearing**Ball bearing



**Tread**Besothane
cast polyurethane
83 +/- 3 Shore A

Wheel Body Aluminium

**Bearing**Ball bearing

**Tread**Prothane®
cast polyurethane
95 +/- 3 Shore A

Wheel Body Aluminium



## RAISE, LOWER TRANSPORT GOODS: WHEEL ROTATION STOPPED



Load-dependent direction locking devices stop the castors turning uncontrollably. The castor stopper is briefly relieved of load/lifted and the directional lock jumps into the specified starting position. This prevents uncontrolled panning by the castor or housing.



No more uncontrolled turning when stacking and easy to guide in a straight line



Remark: Patent pending CN 110406318A



### Swivel castors with load-dependent directional locking device (360°)

Description · Fork of sheet steel  $\cdot \, \text{zinc-chromated}$ 

Model · Swivel castor





Ø		3	<u>\bar{1}</u>	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\overline{U}}}$	$\overline{\overline{\overline{C}}}$		
mm	mm	ka	mm	mm	mm	mm	mm	

105x80 84x64/76x56 105x80 84x64/76x56

200 128 105x80 84x64/76x56 8,5 38 105x80 84x64/76x56 8,5

128





L320.B61.100

L320.B15.100

L300.B61.100



· dual-row ball bearings collar in fork head

· Swivel castor with total brake





Elastic rubber blue Wheel Body Plastic **Bearing** Roller bearing

1	n	
	0	5)
4	1	

Tread Plastic Wheel Body Plastic **Bearing** Ball bearing



Tread Thermoplastic rubber Wheel Body Plastic

**Bearing** Ball bearing



Tread Elastic rubber black Wheel Body

**Bearing** Ball bearing

Aluminium



Tread  $\text{Prothane}^{\text{\tiny{\it l\! R}}}$ cast polyurethane 95 +/- 3 Shore A

Wheel Body Aluminium

100	32	110	128	105x80	84x64/76x56	8,5	38	L300.A85.100	
100	32	110	128	105x80	84x64/76x56	8,5	41		L320.A85.100

100 40	150	128	105x80	84x64/76x56	8,5	38	L300.B80.100
100 40	150	128	105x80	84x64/76x56	8,5	41	L320.B80.100

100	30	200	128	105x80	84x64/76x56	8,5	38	L300.B90.10	0	
100	30	200	128	105x80	84x64/76x56	8,5	41			L320.B90.100



## STRAIGHT AHEAD **AS DESIRED**



Directional locks or steering locks are the ideal addition to castor boxes, lattice boxes or other storage boxes, e.g. when changing from forklift to manual process. Ideal for use in the furniture or tyre industry from storage to delivery.









Steering blocker can be screwed on and is unattached on delivery.

Can only be combined with steering boxes L400 series without locking device, plate size 135 x 110 mm.

Additional spacers are required in conjunction with N-series castors.

Steering blocker can be screwed on and is unattached on delivery.

Can only be combined with steering housings L400 series without locking device, plate size 104 x 80 mm.



### Swivel castors with directional locking device





### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromatised
- · dual-row ball bearings collar in fork head

### Model

· Swivel castor























**200** kg

Swivel	casto

100	32	200	125	105x80	84x64/76x56	9	34		L400.B10.100S0
Swivel	casto	r with	ramp	plate					
100	32	200	125	105v80	80v60	9	41		1400 R10 100501



Tread

Plastic

Wheel Body Plastic

Bearing Roller bearing



Directional locking device, plastic, screw-on, suitable for castor L400.B10.100S01

RFST







The steering locks are mounted on the transport device and, when actuated, the castor is fixed in the direction of travel by activating a pin with a bayonet lock. With this locking, swivel castors with run-on plates become fixed castors with good tracking and the transported goods glide smoothly.



Special applications require well thought-out solutions. We therefore offer ingenious castor solutions for special areas of application. Where moving scaffolding is time consuming, we deliver castors that both mobilise and are safe and stable. The same applies to construction fences that have to be openable for property driveways. We temporarily mobilise objects that require a secure base by means of lifting castors and locking feet for machines and assembly units, thus achieving enormous flexibility when relocating and changing production processes.

Air freight service providers also use special castors. The aluminum containers fitted with our air cargo castors, which are installed in roller floors, can be directed precisely and extremely quickly in all desired directions. Economical special solutions for special tasks: that's the way BS Rollen reacts to specifics in a wide variety of industries.

# SPECIAL CASTORS

SCAFFOLDING CASTORS
DOOR CASTORS
CONSTRUCTION FENCE ACCESSORIES
AIR CARGO CASTORS
LIFTING CASTORS
LOCKING FEET

INDUSTRY
SCAFFOLDING
CONSTRUCTION
OF SITE FENCES
CONSTRUCTION
SITE MANAGEMENT
AIR FREIGHT LOGISTICS
MECHANICAL
ENGINEERING
INTRALOGISTICS



### **Scaffolding castors**



Make standard scaffolding mobile, thus turning fixed scaffolding into mobile scaffolding







Scaffolding castors tested according to DIN EN 1004



Our scaffolding castors are tested according to DIN EN 1004.





5 locking systems to choose from, wheels in many colours and different design models of castors possible



Swivel castor with brake series V122 ...



Swivel castor with brake series V522 ...



Swivel castor with brake series V222 ...



Swivel castor with brake series V322 ...



Swivel castor with brake series V422 ...



Swivel castor with brake series V722 ...

### **OEM Consulting**

Our experts advise you as a scaffolding manufacturer of your options. We supply individual scaffolding castors to match your scaffolding system. Castors and brake pedals are also available in different colours. Challenge our competence.



High stability of the locking device: When locked, the projection is shifted over the axial point of the castor as in a fixed castor and offers a higher load capacity of up to 1,000 kg for static loads.

### **Scaffolding castors**





### Five fastening solutions for scaffolding castors



### Adjustable spindle

For easy level adjustment, available with 33.7 mm or 38 mm spindle diameter and spindle lengths of 300, 400, 500 and 600 mm. Can be supplemented with spindle nuts, plastic plugs and spindle sleeves made of PA.



### Screw-on plate

For fastening with four screws/nuts, with plate size  $135 \times 110$  mm, hole size  $105 \times 80$  mm and screw hole size  $13.5 \times 11$  mm, plate fits all models in the V122 – V522 series with wheel diameters of between 150 mm and 200 mm.



### Steel tenon

This is inserted into the scaffold tube, possible pin diameters are 34.5 mm, 38.35 mm and, on request, 27 mm, 34 mm and 38 mm. The possible tenon length is 55.5 mm or 58 mm and, on request, 100 mm or 112 mm.



### Round tube

The scaffold tube is pushed into the tube attachment and secured, available in diameters of 46 mm or 60 mm and tube lengths of 100 mm and 150 mm.



### **Expansion sleeves/expanders**

An internal screw spreads or anchors the high-quality polyamide sleeve securely in the round or square tube.









TR38x6,35	600	150x150	105x80	GSP.38-600
TR38x6,35	800	150x150	105x80	GSP.38-800
TR38x6,35	1000	150x150	105x80	GSP.38-1000

Scaffolding spindle Threaded spindle with screw-on plate and spindle nut, galvanised





## MOBILE PROTECTION FOR CONSTRUCTION SITES

Any site fence can easily be retrofitted with the castors. They transform static elements into building gates or access points for building sites. A construction site remains open and accessible as required, or access on castors is closed in a matter of moments. It is mounted either with the help of a stable base or a pipe clamp.

The advantage of the castors for a site fence: They obviate the need for laborious lifting or moving of fence feet made of plastic or even heavy concrete and ensure that foot or vehicle traffic can access the construction site.





Construction fence castors with a galvanised metal base can be easily attached to all common construction fences with 4 screws/nuts and provide additional stability. They have a brake and optionally a plastic or rubber wheel.



100 – 175 kg

### Construction fence castor

Swivel castor with total brake

### Tread

Plastic

### Foot

Galvanised steel sheet

### **Bearing**

Roller bearing

### Construction fence castor

Swivel castor with total brake

### Tread

Rubber black

### **Foot**

Galvanised steel sheet

### **Bearing**

Plain bearing





0	0	1	<u> </u>	$\overline{\overline{\overline{\mathcal{O}}}}$	<u> </u>			$\overline{\mathcal{O}}$
mm	mm	kg	mm	mm	mm	mm	mm	

125	35	175	155	105x80	84x64/76x56	9	34	L420.B10.FUSS
-----	----	-----	-----	--------	-------------	---	----	---------------

125	37,5	100	155	105x80	84x64/76x56	9	34	L420.B40.FUSS



### Wheels with clamp for construction fences made of round tubing

Construction fence wheels with galvanised fastening clamps can be attached directly to construction fences with pipe diameters of 40 - 45 mm, the wheels offer immediate mobility.



- · Galvanised sheet steel clamp

### B40.150.S01

**KLEMME** 

### Construction fence clamps connect the two fence elements

The galvanised steel clamps connect fence elements with nuts and bolts that have a variable clamping area for all common construction fences.



KLEMME = MATERIAL THICKNESS 2.5 MM KLEMME.2 = MATERIAL THICKNESS 3.0 MM





## AIR FREIGHT CASTORS FOR FAST TRANSPORT

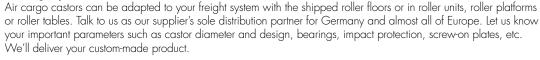






Every second counts in air freight, so castors for aerial goods transport are subject to particularly heavy wear. Express logisticians or postal couriers rely on the dynamic transport options of air cargo castors. These make all material handling extremely quick, easy and therefore highly economical. The special castors for air cargo transport are often installed by manufacturers of conveyor systems for air cargo, with around 11 to 16 castors per square metre. Air freight companies, air freight handlers, parcel service providers and airports regularly use the special castors to manoeuvre a wide variety of freight items extremely quickly and easily on roller floors, air cargo dollies or lifts.

### Air cargo special models















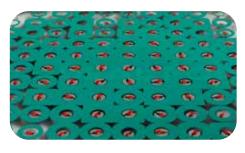
58	275	96	110x70	88,7	12,3	X100.B15.058.MF



**Tread**Plastic

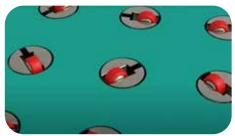
**Wheel Body** Plastic

**Bearing**Ball bearing



### 360 degree guided rotation

Air cargo castors are fully-functioning castors embedded in the castor base or table that rotate freely through 360 degrees and offer immediate goods guidance in the desired direction at a speed that only castors with ball bearings can offer.



### Optional bumper protection

The air freight castors were developed out of practical experience: with impact protection for the wheels, impact-resistant, abrasion-resistant treads, ball bearings protected with rubber seals and galvanised dust shielding to prevent wheel locking. They have proven their performance in multiple static and dynamic stress tests.





### Patent pending

for the entire wheel mechanism – the basis of the quick-change function without screws



### Wheel change during operation

Wheels can be mounted/removed even during operation with almost no system downtime. The wheel can be changed in moments using a patented lever movement. No screws required. To remove the old wheel, you need the lever tool with a special hammer and precisely shaped plastic block. This is used to attach the new wheel (purchasable as a tool set).









### Locking feet + lifting castors



adjustable height

 $\mathsf{m}\mathsf{m}$ 

mm



350 – 400 kg

### **Machine foot**



105 110	105 75 (00	10	100	141 / 0	11714/	T000 100
135x110	105x75/80	10	100	141 +/- 2	117-146	T220.100
135x110	105x75/80	10	125	163 +/- 2	137-168	T220.125
135x110	105x75/80	10	150	190 +/- 2	155-195	T220.150
135x110	105x75/80	10	200	240 +/- 2	205-245	T220.200

Can be used in conjunction with castor diameter

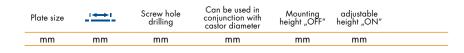
mm

Screw hole drilling

mm

### Machine foot





120x120	100/85x100/85	11	147	112	152	T240.100
120x120	100/85x100/85	11	202	167	207	T240.150



Plate size

mm

mm

- · Ideal addition to the use of castors
- $\cdot$  One-step locking and unlocking of the locking mechanism with separate pedals
- · Integrated spring shock absorbers with rubber feet













### Lifting castor

- Sheet steel fork
   zinc-chromated
   dual-row ball bearing
   collar in fork head

### Tread

Plastic

### Wheel Body

Plastic

### Bearing

Ball bearing

### Lifting castor

- Sheet steel fork
   zinc-chromated
   dual-row ball bearing
   collar in fork head

### Tread

Polyurethane

### Wheel Body

### **Bearing**

Ball bearing



75	40	350	112-125	105x85	80x60	W120.B15.075
80	40	400	115-128	105x85	80x60	W120.B15.080



75	40	350	112-125	105x85	80x60	W120.C10.075
80	40	400	115-128	105x85	80x60	W120.C10.080



### Lifting castors with brakes

- · Fixation with locking mechanism
- · Locking foot made of steel, completely lockable with locking nut
- · Load capacity of up to 400 kg per castor
- · Fork made of galvanised sheet steel





0	0	1			$\overline{\overline{C}}$	<u> </u>	possible levelling height	
mm	mm	kg	mm	mm	mm			

50 – 750 kg

Lifting castor with levelling wheel

Lifting castor with levelling wheel

19,2

24

30,7

32

250

500

750

85

110

120

40

50

62

75

40	19,2	50	75	55x55	42x42	8	W220.A90.040
50	24	250	85	73x73	58x58	10	W220.A90.050
62	30,7	500	110	90x90	70x70	12	W220.A90.062
75	32	750	120	95x95	70x70	12	W220.A90.075



Lifting castor

· cast aluminium

· with integrated levelling foot · dual-row ball bearing

collar in fork head

Tread

Plastic

Wheel Body

Plastic

**Bearing** 

Plain bearing

Lifting castor

cast aluminium
with integrated levelling foot
dual-row ball bearing
collar in fork head

Tread

Plastic

Wheel Body

Plastic

**Bearing** Plain bearing

Lifting cast	tor with rat	tchet adjus	tment				
50	24	250	85	73x73	58x58	10	W320.A90.050
62	30,7	500	110	90x90	70x70	12	W320.A90.062
75	32	750	120	95x95	70x70	12	W320.A90.075



Lifting castor

cast aluminium
 with integrated levelling foot and ratchet adjustment
 dual-row ball bearing collar in fork head

Tread

Polyamide

Wheel Body

Polyamide

Bearing

Plain bearing

Lifting castor

cast aluminium
with integrated levelling foot and ratchet adjustment
dual-row ball bearing collar in fork head

Tread

Polyamide

Wheel Body

Polyamide

Bearing Plain bearing



W221.A90.040

W221.A90.050

W221.A90.062

W221.A90.075

NEW

M12

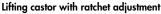
M14

M14

10

12

12



50	24	250	85	M12	10	W321.A90.050
62	30,7	500	110	M14	12	W321.A90.062
75	32	750	120	M14	12	W321.A90.075





Lifting castors simplify the transfer and relocation of machines, equipment and production units, devices and larger workpieces that are normally fixed in place. They lighten the load for intralogistics specialists and make additional transport devices unnecessary

### Cast lifting castors with levelling feet

- · Fixation with levelling foot
- · Load capacity of up to 750 kg per castor
- · Extremely robust cast housing

### **Special castors**





40 – 70 kg

Castor with corner plate fitting Swivel castor Sheet steel housing

**Tread**Thermoplastic rubber

grey **Wheel Body** Plastic

**Bearing** Plain bearing

Castor with corner plate fitting Swivel castor with brake Sheet steel housing Tread

Thermoplastic rubber

grey
Wheel Body
Plastic

**Bearing** Plain bearing



凸

Corner fitting castors for shelves make shelves mobile



NEW 40 72 57x35 15/15 F26.050.S0

50	18	40	72	57x35	15/15	7	21	F27.050.S0



0	0	1	Overall height	Screw-on plate	<u> </u>	<u> </u>	<u></u>	
mm	mm	kg	mm	mm	mm	mm	mm	

Gate castor spring distance 60 mm



Rubber	Rubber wheel										
100	30	70	400	255x30			8	E30.100			
Plastic	wheel										
100	30	70	400	255x30			8	E30.101			

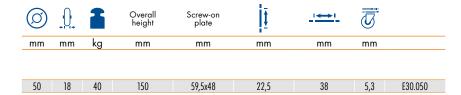
### Fixed gate castor



Rubber	Rubber wheel										
80	25	50	91	115x45			8	E31.080			
Plastic	wheel										
80	25	50	91	115x45			8	E31.081			









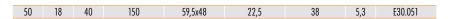
### Ladder fixed castor

- · Spring mounted version
- · Thermoplastic rubber wheel
- · Braked from 5 kg load



Move ladders simply and safely







### Ladder swivel castor

- $\cdot$  Spring mounted version
- · Thermoplastic rubber wheel
- · Braked from 5 kg load





The ladder castors are connected to the side of the ladder rails and render the ladder mobile. If the ladder is shifted and the ladder is stepped on, the spring-loaded castors are pressed in so that the ladder uprights stand firmly and securely on the floor.

## **UP TO 7,500 KG**



Our heavy duty castors live up to their name as heavyweights. They are used to transport heavy goods sometimes weighing many tonnes. In industry, heavy duty castors are often used on transport vehicles and under assembly units. They are also used under floor conveyors or for shelving in logistics, for example. Depending on the weight to be transported, heavy duty castors can be used as single or double castors (two wheels per castor).

The housings are made either of strong sheet steel or of a special welded steel construction for particularly demanding situations, and some are also designed with suspension for vibration-free transport. Thus, load capacities of up to 7,500 kg per castor can be achieved. Wheel types can be selected depending on the application.



## HEAVY DUTY CASTORS

HEAVY DUTY DOUBLE CASTORS WELDED STEEL CONSTRUCTIONS SUSPENDED HEAVY DUTY CASTORS

INDUSTRIAL
PRODUCTION
TRANSPORT OF
MATERIAL TO
END PRODUCT
TRANSPORT OF
EQUIPMENT
TRANSPORT VEHICLES
ASSEMBLY UNITS
FLOOR CONVEYORS
LOGISTICS
SHELVING





### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head
- $\cdot \, \text{closed fork head}$

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake



150 – 600 kg

### Tread

Plastic

### Wheel Body

Plastic

### **Bearing**

Roller bearing



### Wheel Body

Plastic

### **Bearing**

Ball bearing







<b>(2)</b>	0	1		$\overline{\overline{\mathcal{Q}}}$	<u> </u>		<u> </u>	$\overline{U}$	$\overline{\bigcirc}$	· <del>\text{\tin}\exitt{\text{\tin}\text{\teil}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}}\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}}}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}</del>
mm	mm	kg	mm	mm	mm	mm	mm			

80	30	150	112	105x85	80x60	9	38	N100.B10.081	N110.B10.081	N120.B10.081
100	45	500	148	138x109	105x75	11	48	N100.B10.102	N110.B10.102	
125	45	400	161	135x110	105x80	11	45	N100.B10.125	N110.B10.125	N120.B10.125
125	45	600	178	138x110	105x75	11	46	N100.B10.127	N110.B10.127	N120.B10.127
150	45	400	195	135x110	105x80	11	45	N100.B10.150	N110.B10.150	N120.B10.150
150	45	600	209	138x110	105x75	11	48	N100.B10.151	N110.B10.151	N120.B10.151
200	50	400	235	135x110	105x80	11	57	N100.B10.200	N110.B10.200	N120.B10.200
200	50	600	255	138x110	105x75	11	52	N100.B10.201	N110.B10.201	N120.B10.201
250	50	600	303	138x110	105x75	11	55	N100.B10.251	N110.B10.251	N120.B10.251

100	50	300	148	138x110	105x75	11	48	N100.B15.103	N110.B15.103	
125	50	450	178	138x110	105x75	11	46	N100.B15.128	N110.B15.128	N120.B15.128
150	50	600	209	138x110	105x75	11	48	N100.B15.153	N110.B15.153	N120.B15.153
200	50	600	255	138x110	105x75	11	52	N100.B15.203	N110.B15.203	N120.B15.203





- $\cdot \, \text{Crowned}$  running surface and best rolling properties
- · Dirt- and splash-proof
- · With thread protection

### Tread Plastic

### Wheel Body Plastic



80	30	150	112	105x85	80x60	9	38	N100.B15.080	N110.B15.080	N120.B15.080
100	35	500	148	138x109	105x75	11	48	N100.B15.102	N110.B15.102	
125	50	300	163	135x110	105x80	11	45	N100.B15.125	N110.B15.125	N120.B15.125
125	45	600	178	138x110	105x75	11	46	N100.B15.126	N110.B15.126	N120.B15.126
150	40	400	195	135x110	105x80	11	45	N100.B15.151	N110.B15.151	N120.B15.151
150	40	600	209	138x110	105x75	11	48	N100.B15.152	N110.B15.152	N120.B15.152
200	50	450	235	135x110	105x80	11	57	N100.B15.201	N110.B15.201	N120.B15.201
200	50	600	255	138x110	105x75	11	52	N100.B15.202	N110.B15.202	N120.B15.202
250	60	600	303	135x110	105x75	11	55	N100.B15.250	N110.B15.250	N120.B15.250









### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head
- $\cdot \, \text{closed fork head}$

### Model

- · Swivel castor
- · Fixed castor
- $\cdot$  Swivel castor with total brake





140 – 550 kg

125	45	140	178	138x110	105x75	11	46	N100.B60.125	N110.B60.125	N120.B60.125
160	50	250	214	138x110	105x75	11	48	N100.B60.160	N110.B60.160	N120.B60.160
200	50	350	255	138x110	105x75	11	52	N100.B60.200	N110.B60.200	N120.B60.200



Tread

Elastic rubber black

Wheel Body Plastic

Bearing Roller bearing

125	45	140	178	138x110	105x75	11	46	N100.B61.125	N110.B61.125	N120.B61.125
160	42	300	214	138x110	105x75	11	48	N100.B61.160	N110.B61.160	N120.B61.160
200	50	400	255	138x110	105x75	- 11	52	N100.B61.200	N110.B61.200	N120.B61.200



Tread Elastic rubber blue

Wheel Body Plastic

**Bearing** Roller bearing

100	40	150	153	138x110	105x75	11	44	N100.B80.101	N110.B80.101	
125	50	220	178	138x110	105x75	11	46	N100.B80.125	N110.B80.125	N120.B80.125
160	50	300	214	138x110	105x75	11	48	N100.B80.160	N110.B80.160	N120.B80.160
200	50	450	255	138x110	105x75	11	52	N100.B80.200	N110.B80.200	N120.B80.200
250	50	550	303	138x110	105x75	11	55	N100.B80.251	N110.B80.251	N120.B80.251



Tread Elastic rubber black

Wheel Body Aluminium

**Bearing** Ball bearing

100	40	150	153	138x110	105x75	11	44	N100.B83.100	N110.B83.100	
125	50	220	178	138x110	105x75	11	46	N100.B83.125	N110.B83.125	N120.B83.125
160	50	300	214	138x110	105x75	11	48	N100.B83.160	N110.B83.160	N120.B83.160
200	50	450	255	138x110	105x75	11	52	N100.B83.200	N110.B83.200	N120.B83.200



Tread Elastic rubber grey

Wheel Body Aluminium

**Bearing** Ball bearing

100	50	210	153	138x110	105x75	11	44	N100.B81.100	N110.B81.100	
125	50	275	178	138x110	105x75	11	46	N100.B81.125	N110.B81.125	N120.B81.125
150	50	350	209	138x110	105x75	11	48	N100.B81.151	N110.B81.151	N120.B81.151
200	50	450	255	138x110	105x75	11	52	N100.B81.202	N110.B81.202	N120.B81.202
250	50	500	303	138x110	105x75	11	55	N100.B81.253	N110.B81.253	N120.B81.253



Tread Elastic rubber black

Wheel Body Cast iron



### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- $\cdot$  dual-row ball bearings collar in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with brake



225 – 650 kg

### Tread

Besothane cast polyurethane 83 +/- 3 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Prothane® cast polyurethane 95 +/- 3 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Cast polyurethane 78 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Prothane® cast polyurethane 95 +/- 3 Shore A

### Wheel Body

Cast iron

### **Bearing**

Ball bearing

Cast polyurethane 78 Shore A

### Wheel Body

Cast iron

### **Bearing**

Ball bearing

























■ V.	

125	50	450	178	138x110	105x75	11	46	N100.B92.125	N110.B92.125	N120.B92.125
160	50	600	214	138x110	105x75	11	48	N100.B92.160	N110.B92.160	N120.B92.160
200	50	600	255	138x110	105x75	11	52	N100.B92.200	N110.B92.200	N120.B92.200
250	50	600	295	138x110	105x75	11	55	N100.B92.250	N110.B92.250	N120.B92.250



80	40	250	127	105x85	80x60	8	42	N100.B90.081	N110.B90.081	N120.B90.081
100	40	280	137	105x85	80x60	8	42	N100.B90.102	N110.B90.102	N120.B90.102
125	50	450	178	138x110	105x75	11	46	N100.B90.129	N110.B90.129	N120.B90.129
150	50	550	209	138x110	105x75	11	48	N100.B90.154	N110.B90.154	N120.B90.154
160	50	600	214	138x110	105x75	11	48	N100.B90.163	N110.B90.163	N120.B90.163
200	50	600	255	138x110	105x75	11	52	N100.B90.203	N110.B90.203	N120.B90.203
250	50	600	303	138x110	105x75	- 11	55	N100.B90.252	N110.B90.252	N120.B90.252



125	40	225	178	138x110	105x75	11	46	N100.B91.126	N110.B91.126	N120.B91.126
160	50	500	214	138x110	105x75	11	48	N100.B91.162	N110.B91.162	N120.B91.162
200	50	600	255	138x110	105x75	11	52	N100.B91.203	N110.B91.203	N120.B91.203



82	70	650	137	175x140	140x105	15	45	N100.C10.083	N110.C10.083	
100	30	300	137	105x85	80x60	8	42	N100.C10.101	N110.C10.101	N120.C10.101
100	50	400	148	138x110	105x75	11	44	N100.C10.103	N110.C10.103	
125	50	550	178	138x110	105x75	11	46	N100.C10.129	N110.C10.129	N120.C10.129
150	40	450	195	138x110	105x75	11	45	N100.C10.152	N110.C10.152	N120.C10.152
150	50	600	209	138x110	105x75	11	48	N100.C10.154	N110.C10.154	N120.C10.154
200	40	450	235	138x110	105x80	11	57	N100.C10.201	N110.C10.201	N120.C10.201
200	50	600	255	138x110	105x75	11	52	N100.C10.203	N110.C10.203	N120.C10.203
250	50	600	303	138x110	105x75	11	55	N100 C10 251	N110 C10 251	N120 C10 251



100	40	270	153	138x110	105x75	11	44	N100.C11.101	N110.C11.101	
125	50	400	178	138x110	105x75	11	46	N100.C11.126	N110.C11.126	N120.C11.126
150	50	500	209	138x110	105x75	- 11	48	N100.C11.151	N110.C11.151	N120.C11.151
200	50	600	255	138x110	105x75	11	52	N100.C11.201	N110.C11.201	N120.C11.201
250	50	600	303	135x110	105x80	12	70	N100.C11.251	N110.C11.251	N120.C11.251











### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

0	0	1	<u>V</u>		$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{\mathbb{Z}}}$		$\overline{U}$	$\overline{\bigcirc}$	<u> </u>
mm	mm	kg	mm	mm	mm	mm	mm			



125	50	700	178	135x110	104x78	11	47	L600.B15.125	L610.B15.125	L620.B15.125
150	50	700	200	135x110	104x78	11	50	L600.B15.150	L610.B15.150	L620.B15.150
150	48	900	200	135x110	104x78	11	50	L600.B15.151	L610.B15.151	L620.B15.151
200	50	1000	245	135x110	104x78	11	50	L600.B15.200	L610.B15.200	L620.B15.200
200	50	1200	245	135x110	104x78	11	50	L600.B15.201	L610.B15.201	L620.B15.201
250	60	1400	290	135x110	104x78	11	58	L600.B15.250	L610.B15.250	L620.B15.250





**Wheel Body** Plastic

**Bearing**Ball bearing

									NEW	
125	50	450	178	135x110	104x78	11	47	L600.B15.126	L610.B15.126	L620.B15.126
150	50	650	200	135x110	104x78	11	50	L600.B15.152	L610.B15.152	L620.B15.152
200	50	750	245	135x110	104x78	11	50	L600.B15.202	L610.B15.202	L620.B15.202



**Tread** Plastic

**Wheel Body** Plastic

**Bearing**Ball bearing

125	55	1000	178	135x110	104x78	11	47	L600.B16.125	L610.B16.125	L620.B16.125
150	55	1000	200	135x110	104x78	11	50	L600.B16.150	L610.B16.150	L620.B16.150
200	55	1250	245	135x110	104x78	11	50	L600.B16.200	L610.B16.200	L620.B16.200



**Tread**Cast polyamide

**Wheel Body** Cast polyamide



### Description

- · Fork of sheet steel
- $\cdot \, \text{zinc-chromated}$
- · dual-row ball bearings collar in fork head

### Model

- · Swivel castor
- · Fixed castor
- $\cdot$  Swivel castor with total brake









140 – 550 kg

Tread

Elastic rubber black

Wheel Body

Plastic

**Bearing** 

Roller bearing

	·	V	M
V	1	0	W
	A		7

125	45	140	178	135x110	104x78	11	47	L600.B60.125	L610.B60.125	L620.B60.125
160	50	250	205	135x110	104x78	11	50	L600.B60.160	L610.B60.160	L620.B60.160
200	50	350	245	135v110	104v78	11	50	1400 R40 200	1410 RAO 200	1420 RAD 200

mm

mm

 $\overline{U}$ 

### Tread

Elastic rubber blue

Wheel Body

Plastic

### **Bearing**

Roller bearing



125	45	140	178	135x110	104x78	11	47	L600.B61.125	L610.B61.125	L620.B61.125
160	42	300	205	135x110	104x78	11	50	L600.B61.160	L610.B61.160	L620.B61.160
200	50	400	245	135x110	104x78	11	50	L600.B61.200	L610.B61.200	L620.B61.200

### **Tread**

Elastic rubber black

### Wheel Body

Aluminium

### Bearing

Ball bearing



125	50	220	178	135x110	104x78	11	47	L600.B80.125	L610.B80.125	L620.B80.125
160	50	300	205	135x110	104x78	11	50	L600.B80.160	L610.B80.160	L620.B80.160
200	50	450	245	135x110	104x78	11	50	L600.B80.200	L610.B80.200	L620.B80.200
250	50	550	290	135x110	104x78	11	58	L600.B80.250	L610.B80.250	L620.B80.250

### Tread

Elastic rubber grey

### Wheel Body

Aluminium

### **Bearing**

Ball bearing



125	50	220	178	135x110	104x78	11	47	L600.B83.125	L610.B83.125	L620.B83.125
160	50	300	205	135x110	104x78	11	53	L600.B83.160	L610.B83.160	L620.B83.160
200	50	450	245	135x110	104x78	11	50	L600.B83.200	L610.B83.200	L620.B83.200

### Tread

Elastic rubber black

### Wheel Body

Cast iron

### **Bearing**

Ball bearing



125	50	275	178	135x110	104x78	11	47	L600.B81.125	L610.B81.125	L620.B81.125
150	50	350	200	135x110	104x78	11	50	L600.B81.150	L610.B81.150	L620.B81.150
200	50	450	245	135x110	104x78	11	50	L600.B81.200	L610.B81.200	L620.B81.200
250	50	500	290	135x110	104x78	11	58	L600.B81.250	L610.B81.250	L620.B81.250





150

200

250

125

200

160

125 150

200 250 50

50

40

50

50

550

800

1000

225

500

700

200

245

178

205





### Description

- · Fork of sheet steel
- $\cdot$  zinc-chromated
- · dual-row ball bearings collar in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with total brake

0		1	$\overline{U}$	$\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{\overline{$	$\overline{\overline{\mathbb{Z}}}$	$\overline{\overline{\mathbb{Z}}}$	<u> </u>	$\overline{U}$	$\overline{igotimes}$	<u> </u>
mm	mm	kg	mm	mm	mm	mm	mm			



L610.B90.125

L610.B90.150

L610.B90.200

L610.B90.250

L610.B91.125

L610.B91.160

L610.B91.200

L620.B90.125

L620.B90.150

L620.B90.200

L620.B91.125

L620.B91.200

L620.B91.160

L620.B90.250

125	50	450	178	135x110	104x78	11	47	L600.B92.125	L610.B92.125	L620.B92.125
160	50	600	200	135x110	104x78	11	50	L600.B92.160	L610.B92.160	L620.B92.160
200	50	800	245	135x110	104x78	11	50	L600.B92.200	L610.B92.200	L620.B92.200
250	50	1000	290	135x110	104x78	11	58	L600.B92.250	L610.B92.250	L620.B92.250

50

50

58

47

50

50

11

11

11

L600.B90.125

L600.B90.150

L600.B90.200

L600.B90.250

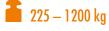
L600.B91.125

L600.B91.160

L600.B91.200

135x110 104x78





## **Tread**Besothane cast polyurethane 83 +/- 3 Shore A

### **Wheel Body** Aluminium

### **Bearing**Ball bearing



**Tread**Prothane®
cast polyurethane
95 +/- 3 Shore A

### **Wheel Body** Aluminium

### **Bearing**Ball bearing

2.5
١

**Tread**Cast polyurethane 78 Shore A

### Wheel Body Aluminium

### **Bearing**Ball bearing

50	550	178	135x110	104x78	11	47	L600.C10.125	L610.C10.125	L620.C10.125
50	800	200	135x110	104x78	11	50	L600.C10.150	L610.C10.150	L620.C10.150
50	1000	245	135x110	104x78	11	50	L600.C10.200	L610.C10.200	L620.C10.200
50	1200	290	135x110	104x78	11	58	L600.C10.250	L610.C10.250	L620.C10.250
30	1200	270	IOUXIIO	1048/0	- 11	30	1000.010.230	1010.010.230	1020.010.230



**Tread**Prothane®
cast polyurethane
95 +/- 3 Shore A

### Wheel Body Cast iron

**Bearing**Ball bearing

Tread
Cast polyurethane
78 Shore A

**Wheel Body**Cast iron

125	50	400	178	135x110	104x78	11	47	L600.C11.125	L610.C11.125	L620.C11.125
150	50	500	200	135x110	104x78	11	50	L600.C11.150	L610.C11.150	L620.C11.150
200	50	650	245	135x110	104x78	11	50	L600.C11.200	L610.C11.200	L620.C11.200
250	50	800	290	135x110	104x78	11	58	L600.C11.250	L610.C11.250	L620.C11.250

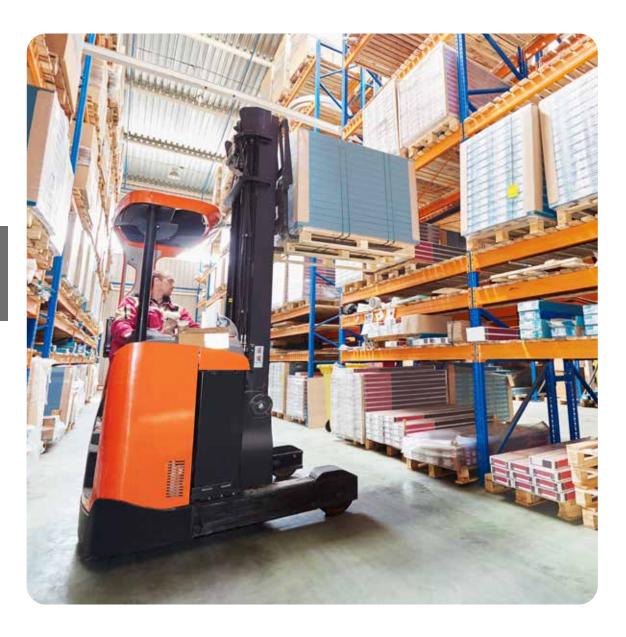




# XTRA HEAVY – THE HOUSING IN WELDED STEEL CONSTRUCTION

Extra heavy transports need an extra heavy structure if they are to be moved safely and reliably. We not only uphold this principle with a wide variety of heavy-duty castors that are suitable for every task, but also with housings in a welded steel construction. The individual housing components are pressed from thick-walled steel and permanently connected to one another in a complex welding process.

Heavy-duty castors are also used under large floor conveyors, manipulators or in assembly or conveyor units. Not only the dynamic transport weight is decisive but also the speed at which large weights have to be moved. The very high demands placed on castors are countered by minimal wear and extreme robustness.









- · Solid steel construction
- · Thick-walled steel
- · Welded to be extremely stable
- · Ball bearing slewing ring/fork head
- · Slewing ring secured with a welded-in central bolt
- · Stable fork
- · Grease nipple on the fork head
- · Permanently galvanised
- · As individual castors or even stronger
- · as a double castor
- Also as a heavy duty spring roller.
   See page for details 178.





Load capacity up to 7.5 tons per castor



### Description

- · Welded steel housing
- zinc-platedball bearing in fork head

### Model

- · Swivel castor · Fixed castor
- · Swivel castor with wheel-/total brake



150 – 7500 kg

Tread Plastic

Wheel Body Plastic

Bearing Ball bearing





mm mm





<u>\vartage 1</u>	$\overline{\overline{U}}$	$\overline{\overline{\mathcal{O}}}$			$\overline{\mathbb{Q}}$	$\overline{\bigcirc}$	· <b>W</b>
mm	mm	mm	mm	mm			

80	30	150	125	105x80	80x60	10	35	RR100.B15.080	RR110.B15.080	RR120.B15.080
85	85	1200	125	190x175	150x135	16	57	RR100.B15.085	RR110.B15.085	
100	30	175	150	100x85	80x60	10	35	RR100.B15.100	RR110.B15.100	RR120.B15.100
100	37	400	145	138x110	105x80	11	35	RR100.B15.101	RR110.B15.101	RR120.B15.101
125	50	550	170	138x110	105x80	- 11	50	RR100.B15.125	RR110.B15.125	RR120.B15.125
150	48	800	200	138x110	105x80	11	60	RR100.B15.150	RR110.B15.150	RR120.B15.150
175	50	500	235	138x110	105x80	11	60	RR100.B15.175	RR110.B15.175	RR120.B15.175
200	50	1200	245	138x110	105x80	11	60	RR100.B15.200	RR110.B15.200	RR120.B15.200
250	60	1400	295	138x110	105x80	11	70	RR100.B15.250	RR110.B15.250	RR120.B15.250
250	60	1400	315	175x140	140x105	14	75	RR100.B15.251	RR110.B15.251	RR120.B15.251
300	60	2000	365	175x140	140x105	14	75	RR100.B15.300	RR110.B15.300	RR120.B15.300

Tread

Cast polyamide

Wheel Body Cast polyamide



100	55	900	145	138x110	105x75/80	11	35	RR100.B16.100	RR110.B16.100	RR120.B16.100
125	55	900	170	138x110	105x75/80	11	50	RR100.B16.125	RR110.B16.125	RR120.B16.125
150	55	900	200	138x110	105x75/80	11	60	RR100.B16.150	RR110.B16.150	RR120.B16.150
150	55	2000	212	175x140	140x105	12	55	RR100.B16.151	RR110.B16.151	RR120.B16.151
150	80	3000	212	200x160	160x120	16	61	RR100.B16.152	RR110.B16.152	RR120.B16.152
200	55	1500	245	138x110	105x75/80	11	60	RR100.B16.200	RR110.B16.200	RR120.B16.200
200	80	2000	264	175x140	140x105	12	67	RR100.B16.201	RR110.B16.201	RR120.B16.201
200	80	4500	264	200x160	160x120	16	65	RR100.B16.202	RR110.B16.202	RR120.B16.202
250	80	5000	314	200x160	160x120	16	80	RR100.B16.250	RR110.B16.250	RR120.B16.250
250	100	7500	330	255x200	210x160	16	65	RR100.B16.251	RR110.B16.251	RR120.B16.251
300	80	5000	375	200x160	160x120	16	75	RR100.B16.300	RR110.B16.300	RR120.B16.300
300	100	7500	395	255x200	210x160	16	85	RR100.B16.301	RR110.B16.301	RR120.B16.301
400	80	5000	475	200x160	160x120	16	70	RR100.B16.400	RR110.B16.400	RR120.B16.400
400	100	7500	495	255x200	210x160	16	85	RR100.B16.401	RR110.B16.401	RR120.B16.401









### Description

- · Welded steel housing
- · zinc-plated
- · ball bearing in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with wheel-/total brake





150 – 1500 kg

100	40	150	150	100x85	80x60	10	35	RR100.B80.100	RR110.B80.100	RR120.B80.100
100	40	150	150	138x110	105x75/80	11	35	RR100.B80.101	RR110.B80.101	RR120.B80.101
125	50	200	170	138x110	105x75/80	- 11	50	RR100.B80.125	RR110.B80.125	RR120.B80.125
160	50	350	200	138x110	105x75/80	11	60	RR100.B80.160	RR110.B80.160	RR120.B80.160
200	50	450	245	138x110	105x75/80	- 11	60	RR100.B80.200	RR110.B80.200	RR120.B80.200
250	50	550	295	138x110	105x75/80	11	70	RR100.B80.250	RR110.B80.250	RR120.B80.250
250	63	580	315	175x140	140x105	14	75	RR100.B80.251	RR110.B80.251	RR120.B80.251
300	60	700	365	175x140	140x105	14	75	RR100.B80.300	RR110.B80.300	RR120.B80.300





Wheel Body Aluminium

Bearing Ball bearing

100	38	150	145	100x85	80x60	10	35	RR100.B81.100	RR110.B81.100	RR120.B81.100
100	50	210	150	138x110	105x75/80	11	35	RR100.B81.101	RR110.B81.101	RR120.B81.101
125	50	275	170	138x110	105x75/80	11	50	RR100.B81.125	RR110.B81.125	RR120.B81.125
150	50	350	195	138x110	105x75/80	11	60	RR100.B81.150	RR110.B81.150	RR120.B81.150
150	50	350	212	175x140	140x105	12	55	RR100.B81.151	RR110.B81.151	RR120.B81.151
150	75	425	212	200x160	160x120	16	61	RR100.B81.152	RR110.B81.152	RR120.B81.152
200	50	450	245	138x110	105x75/80	11	60	RR100.B81.200	RR110.B81.200	RR120.B81.200
200	50	450	264	175x140	140x105	12	67	RR100.B81.201	RR110.B81.201	RR120.B81.201
200	75	550	264	200x160	160x120	16	65	RR100.B81.202	RR110.B81.202	RR120.B81.202
200	100	675	280	255x200	210x160	16	65	RR100.B81.203	RR110.B81.203	RR120.B81.203
250	50	500	295	138x110	105x75/80	11	70	RR100.B81.250	RR110.B81.250	RR120.B81.250
250	75	750	315	175x140	140x105	14	75	RR100.B81.251	RR110.B81.251	RR120.B81.251
250	75	750	314	200x160	160x120	16	80	RR100.B81.252	RR110.B81.252	RR120.B81.252
300	75	850	365	175x140	140x105	14	75	RR100.B81.300	RR110.B81.300	RR120.B81.300
300	75	850	375	200x160	160x120	16	75	RR100.B81.301	RR110.B81.301	RR120.B81.301
400	75	1200	475	200x160	160x120	16	70	RR100.B81.400	RR110.B81.400	RR120.B81.400
400	100	1500	495	255x200	210x160	16	85	RR100.B81.401	RR110.B81.401	RR120.B81.401



Tread Elastic rubber black

Wheel Body Cast iron





### Description

- · Welded steel housing
- $\cdot$  zinc-plated
- $\cdot$  ball bearing in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with wheel-/total brake









150 – 1500 kg

### Tread

Besothane cast polyurethane 83 +/- 3 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Prothane® cast polyurethane 95 +/- 3 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Cast polyurethane 78 Shore A

### Wheel Body

Aluminium

### **Bearing**

Ball bearing

### Tread

Cast iron

### Wheel Body

Cast iron

### **Bearing**

Ball bearing



Cast iron

### Wheel Body

Cast iron

### **Bearing**

Ball bearing







$\bigcirc \bigcirc$		1 7	$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{U}}$		$\overline{U}$	$\overline{igotimes}$	<u> </u>
mm mm	kg mm	n mm	mm	mm	mm			

N	E	W

80	40	170	125	105x80	80x60	10	35	RR100.B92.080	RR110.B92.080	RR120.B92.080
100	40	200	150	100x85	80x60	11	35	RR100.B92.100	RR110.B92.100	RR120.B92.100
125	50	450	145	138x110	105x75/80	- 11	50	RR100.B92.125	RR110.B92.125	RR120.B92.125
160	50	600	200	138x110	105x75/80	11	60	RR100.B92.160	RR110.B92.160	RR120.B92.160
200	50	800	245	138x110	105x75/80	- 11	60	RR100.B92.200	RR110.B92.200	RR120.B92.200
250	50	1000	295	138x110	105x75/80	11	70	RR100.B92.250	RR110.B92.250	RR120.B92.250



100	40	200	150	100x85	80x60	10	35	RR100.B90.100	RR110.B90.100	RR120.B90.100
100	30	200	145	135x110	105x80	11	35	RR100.B90.101	RR110.B90.101	RR120.B90.101
125	50	450	170	138x110	105x75/80	11	50	RR100.B90.125	RR110.B90.125	RR120.B90.125
150	50	550	195	138x110	105x75/80	11	60	RR100.B90.150	RR110.B90.150	RR120.B90.150
160	50	600	200	138x110	105x75/80	11	60	RR100.B90.160	RR110.B90.160	RR120.B90.160
200	50	800	245	138x110	105x75/80	11	60	RR100.B90.200	RR110.B90.200	RR120.B90.200
250	50	1000	295	138x110	105x75/80	11	70	RR100.B90.250	RR110.B90.250	RR120.B90.250



100	40	150	150	100x85	80x60	10	35	RR100.B91.100	RR110.B91.100	RR120.B91.100
125	40	225	170	138x110	105x75/80	11	50	RR100.B91.125	RR110.B91.125	RR120.B91.125
160	50	500	200	138x110	105x75/80	11	60	RR100.B91.160	RR110.B91.160	RR120.B91.160
200	50	700	245	138x110	105x75/80	11	60	RR100.B91.200	RR110.B91.200	RR120.B91.200



100	38	300	150	100x85	80x60	10	35	RR100.C81.100	RR110.C81.100	RR120.C81.100
100	50	450	145	138x110	105x75/80	11	35	RR100.C81.101	RR110.C81.101	RR120.C81.101
125	50	550	170	138x110	105x75/80	- 11	50	RR100.C81.125	RR110.C81.125	RR120.C81.125
150	45	600	195	138x110	105x75/80	11	60	RR100.C81.150	RR110.C81.150	RR120.C81.150
150	45	600	212	175x140	140x105	12	55	RR100.C81.151	RR110.C81.151	RR120.C81.151
200	45	1100	245	138x110	105x75/80	11	60	RR100.C81.200	RR110.C81.200	RR120.C81.200
200	45	1100	264	175x140	140x105	12	67	RR100.C81.201	RR110.C81.201	RR120.C81.201
250	54	1400	295	138x110	105x75/80	11	70	RR100.C81.250	RR110.C81.250	RR120.C81.250



0	1	1		$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{\mathcal{Q}}}$	$\overline{\overline{U}}$	$\overline{\mathbb{Q}}$	$\overline{igotimes}$	<u></u>
mm	mm	kg	mm	mm	mm	mm			
100/125	36	800	145	138x110	105x75/80	11		RR110.C65.100	
125/145	36	900	170	138x110	105x75/80	11		RR110.C65.125	
150/175	36	900	200	138x110	105x75/80	11		RR110.C65.150	
200/230	38	1500	245	138x110	105x75/80	11		RR110.C65.200	









### Description

- · Welded steel housing
- · zinc-plated
- $\cdot$  ball bearing in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with wheel-/total brake

















mm









250 – 3500 kg

80	36	250	125	105x80	80x60	10	35	RR100.C10.080	RR110.C10.080	RR120.C10.080
85	80	800	125	190x175	150x135	16	57	RR100.C10.085	RR110.C10.085	
100	38	295	150	100x85	80x60	11	35	RR100.C10.100	RR110.C10.100	RR120.C10.100
100	50	400	145	138x110	105x75/80	11	35	RR100.C10.101	RR110.C10.101	RR120.C10.101
125	50	550	170	138x110	105x75/80	- 11	50	RR100.C10.125	RR110.C10.125	RR120.C10.125
150	50	800	195	138x110	105x75/80	11	60	RR100.C10.150	RR110.C10.150	RR120.C10.150
160	50	850	200	138x110	105x75/80	11	60	RR100.C10.160	RR110.C10.160	RR120.C10.160
200	50	1000	245	138x110	105x75/80	11	60	RR100.C10.200	RR110.C10.200	RR120.C10.200
200	50	1000	264	175x140	140x105	12	67	RR100.C10.201	RR110.C10.201	RR120.C10.201
200	80	1400	264	200x160	160x120	16	65	RR100.C10.202	RR110.C10.202	RR120.C10.202
250	50	1300	295	138x110	105x75/80	- 11	70	RR100.C10.250	RR110.C10.250	RR120.C10.250
250	75	1600	315	175x140	140x105	14	75	RR100.C10.251	RR110.C10.251	RR120.C10.251
250	75	1600	314	200x160	160x120	16	80	RR100.C10.252	RR110.C10.252	RR120.C10.252
250	100	2200	330	255x200	210x160	16	70	RR100.C10.253	RR110.C10.253	RR120.C10.253
300	75	2000	365	175x140	140x105	14	75	RR100.C10.300	RR110.C10.300	RR120.C10.300
300	75	2000	375	200x160	160x120	16	75	RR100.C10.301	RR110.C10.301	RR120.C10.301
300	100	2800	395	255x200	210x160	16	85	RR100.C10.302	RR110.C10.302	RR120.C10.302
400	75	2500	475	200x160	160x120	16	75	RR100.C10.400	RR110.C10.400	RR120.C10.400
400	100	3500	495	255x200	210x160	16	85	RR100.C10.401	RR110.C10.401	RR120.C10.401





Wheel Body Cast iron

Bearing Ball bearing

100	40	270	150	100x85	80x60	10	35	RR100.C11.100	RR110.C11.100	RR120.C11.100
100	40	270	145	138x110	105x75/80	11	35	RR100.C11.101	RR110.C11.101	RR120.C11.101
125	50	400	170	138x110	105x75/80	11	50	RR100.C11.125	RR110.C11.125	RR120.C11.125
150	50	500	195	138x110	105x75/80	11	60	RR100.C11.150	RR110.C11.150	RR120.C11.150
200	50	650	245	138x110	105x75/80	11	60	RR100.C11.200	RR110.C11.200	RR120.C11.200
250	50	800	295	138x110	105x75/80	11	70	RR100.C11.250	RR110.C11.250	RR120.C11.250
250	80	950	315	175x140	140x105	14	70	RR100.C11.251	RR110.C11.251	RR120.C11.251
300	80	1250	365	175x140	140x105	14	75	RR100.C11.300	RR110.C11.300	RR120.C11.300



Tread Cast polyurethane 78 Shore A

Wheel Body Cast iron

### Heavy duty double castors



### Description

- · Welded steel housing
- · zinc-plated
- · ball bearing in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with wheel-/total brake (Ø 100 + 125 mm brake at the head end of castor)





Wheel Body

Wheel Body Plastic

**Bearing**Ball bearing









0	0	3	<u>V</u>	$\overline{\overline{\overline{\mathcal{G}}}}$	<u> </u>		<del></del>	$\overline{\mathbb{Q}}$	$\overline{\bigcirc}$	· <b>W</b>
mm	mm	kg	mm	mm	mm	mm	mm			

100	2x37	800	145	138x110	105x75/80	11	35	S100.B15.100	S110.B15.100	S120.B15.100
125	2x50	1400	170	138x110	105x75/80	11	50	S100.B15.126	S110.B15.126	S120.B15.126
150	2x48	1800	212	175x140	140x105	14	55	S100.B15.151	S110.B15.151	S120.B15.151
200	2x50	2000	264	175x140	140x105	14	67	S100.B15.201	S110.B15.201	S120.B15.201
250	2x60	2000	314	175x140	140x105	14	80	S100.B15.251	S110.B15.251	S120.B15.251

### Tread

Cast polyamide

### Wheel Body

Cast polyamide

### Bearing

Ball bearing



150	2x55	2000	212	175x140	140x105	14	55	S100.B16.150	S110.B16.150	S120.B16.150
150	2x80	5000	212	200x160	160x120	16	87	S100.B16.151	S110.B16.151	S120.B16.151
200	2x55	2000	264	175x140	140x105	14	67	S100.B16.200	S110.B16.200	S120.B16.200
200	2x80	5000	264	200x160	160x120	16	95	S100.B16.201	S110.B16.201	S120.B16.201
250	2x80	5000	314	200x160	160x120	16	92	S100.B16.250	S110.B16.250	S120.B16.250
250	2x100	7500	330	255x200	210x160	16	70	S100.B16.251	S110.B16.251	S120.B16.251
300	2x80	5000	375	200x160	160x120	16	88	S100.B16.300	S110.B16.300	S120.B16.300
300	2x100	7500	395	255x200	210x160	16	111	S100.B16.301	S110.B16.301	S120.B16.301
400	2x80	5000	475	200x160	160x120	16	80	S100.B16.400	S110.B16.400	S120.B16.400
400	2x100	7500	495	255x200	210x160	16	107	S100 R16 401	S110 R16 401	S120 R16 401

Tread		
Elastic	rubber	black

**Wheel Body**Cast iron



100	2x50	420	145	138x110	105x75/80	11	35	S100.B81.100	S110.B81.100	S120.B81.100
					,					
125	2x50	550	170	138x110	105x75/80	11	50	S100.B81.125	S110.B81.125	S120.B81.125
150	2x75	850	212	200x160	160x120	16	87	S100.B81.150	S110.B81.150	S120.B81.150
200	2x75	1100	264	200x160	160x120	16	95	S100.B81.200	S110.B81.200	S120.B81.200
250	2x75	1500	314	200x160	160x120	16	92	S100.B81.250	S110.B81.250	S120.B81.250
300	2x75	1700	375	200x160	160x120	16	88	S100.B81.300	S110.B81.300	S120.B81.300
400	2x100	3000	495	255x200	210x160	16	107	S100.B81.400	S110.B81.400	S120.B81.400







2x40 540

2x50 1000 212

2x50 1360 264

2x50

2x80 2500 375

1600 314

1900 314

125 2x50 800

150

200

250

250 2x80

300

138x110

138x110

175x140

175x140

175x140

200x160

200x160

170

105x75/80

105x75/80

140x105

140x105

140x105

160x120

160x120





### Description

- · Welded steel housing
- · zinc-plated
- · ball bearing in fork head

### Model

- · Swivel castor
- · Fixed castor
- · Swivel castor with wheel-/total brake  $(\emptyset 100 + 125 \text{ mm brake} \text{ at the head end of castor})$

0	0	1		$\overline{\overline{\overline{C}}}$	$\overline{\overline{\mathcal{O}}}$	$\overline{\overline{\mathbb{Z}}}$		$\overline{U}$	$\overline{\bigcup}$	<u> </u>
mm	mm	kg	mm	mm	mm	mm	mm			



540 – 7000 kg

100	2x38	590	145	138x110	105x75/80	11	35	S100.C10.100	S110.C10.100	S120.C10.100
125	2x50	1100	170	138x110	105x75/80	11	50	S100.C10.125	S110.C10.125	S120.C10.125
150	2x50	1600	212	175x140	140x105	14	55	S100.C10.150	S110.C10.150	S120.C10.150
200	2x50	2000	264	175x140	140x105	14	67	S100.C10.200	S110.C10.200	S120.C10.200
250	2x50	2000	314	175x140	140x105	14	80	S100.C10.250	S110.C10.250	S120.C10.250
250	2x75	3200	314	200x160	160x120	16	80	S100.C10.252	S110.C10.252	S120.C10.252
300	2x50	2000	365	175x140	140x105	14	82	S100.C10.300	S110.C10.300	S120.C10.300
300	2x100	5600	395	255x200	210x160	16	111	S100.C10.301	S110.C10.301	S120.C10.301
400	2x100	7000	495	255x200	210x160	16	107	S100.C10.401	S110.C10.401	S120.C10.401

11

14

14 67

14

16

50

55

80

92





### Wheel Body Cast iron

**Bearing** 

Ball bearing



### Tread Cast polyurethane 78 Shore A

Wheel Body Cast iron

**Bearing** Ball bearing



S100.C11.100

S100.C11.125

S100.C11.150

S100.C11.200

S100.C11.250

S100.C11.251

S100.C11.300

S110.C11.100

S110.C11.125

S110.C11.150

S110.C11.200

S110.C11.250

S110.C11.251

S110.C11.300

S120.C11.100

S120.C11.150

S120.C11.250

S120.C11.300

S120.C11.200

S120.C11.251

S120.C11.125

### Heavy duty spring-mounted castors with suspension



### Description

- · Welded steel housing
- $\cdot \, \text{zinc-plated}$
- · strong elastomer spring
- · Suspension travel, see page 178

- · Spring mounted swivel castor
- · Fixed castor spring mounted
- · Spring mounted swivel castor with brake



220 – 450 kg

### **Tread**

Elastic rubber black

### Wheel Body

Aluminium

### **Bearing**

Ball bearing









0	) []	1	Overall height without load	Overall height with full load	$\overline{\overline{U}}$	$\overline{\overline{\mathcal{O}}}$		$\overline{U}$	$\overline{igotimes}$	
mm	mm	kg	mm	mm	mm	mm	mm mm			

125	50	220	178	158	138x110	105x75/80	10	79,5	T100.B80.125	T110.B80.125	T120.B80.125
160	50	300	208	188	138x110	105x75/80	10	80	T100.B80.160	T110.B80.160	T120.B80.160
200	50	450	257	237	138x110	105x75/80	10	80	T100.B80.200	T110.B80.200	T120.B80.200



Iread		
Elastic	rubber	black

Wheel Body Cast iron

### **Bearing**

Ball bearing



125	50	275	178	158	138x110	105x75/80	10	79,5	T100.B81.125	T110.B81.125	T120.B81.125
150	50	350	203	183	138x110	105x75/80	10	80	T100.B81.150	T110.B81.150	T120.B81.150
200	50	450	257	237	138x110	105x75/80	10	80	T100.B81.200	T110.B81.200	T120.B81.200



Heavy loads can be delicate. In such cases, spring-loaded heavy-duty castors are used. The strong elastomer springs with good damping properties not only absorb loads, they transport them as free from vibrations as possible, so that the transported goods can be moved undamaged even on uneven ground. This maintains rolling comfort in floor conveyors.

Housing mm	Ultimate spring stress kg	Preload force kg	Spring deflection mm
125	350	50	20
150/160	400	50	20
200	600	50	20



All features of the heavy duty spring castors:

- $\cdot \, \text{Strong elastomer springs} \\$
- · Low-vibration transport
- · Comfortable to roll



### Heavy duty spring-mounted castors with suspension



125

150

200





### Description

- · Welded steel housing
- · zinc-plated
- · strong elastomer spring
- · Suspension travel, see page 178

- $\cdot$  Spring mounted swivel castor
- · Fixed castor spring mounted
- · Spring mounted swivel castor with brake

0	) []	1	Overall height without load	Overall height with full load	$\overline{\overline{\overline{U}}}$	<u> </u>		$\overline{U}$	$\overline{\bigcirc}$	<u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>
mm	mm	kg	mm	mm	mm	mm	mm mm			



**250** – 600 kg

125	50	450	178	158	138x110	105x75/80	10	79,5	T100.B90.125	T110.B90.125	T120.B90.125
150	50	550	203	183	138x110	105x75/80	10	80	T100.B90.150	T110.B90.150	T120.B90.150
200	50	600	257	237	138x110	105x75/80	10	80	T100.B90.200	T110.B90.200	T120.B90.200





Wheel Body Aluminium

**Bearing** Ball bearing



Tread Cast polyurethane 78 Shore A

Wheel Body Aluminium

**Bearing** Ball bearing

T120.C10.125 T120.C10.150 T120.C10.200	

Tread Prothane® cast polyurethane 95 +/- 3 Shore A

Wheel Body Cast iron

**Bearing** Ball bearing



Tread Cast polyurethane 78 Shore A

Wheel Body Cast iron

**Bearing** Ball bearing

125	40	250	178	158	138x110	105x75/80	10	79,5	T100.B91.125	T110.B91.125	T120.B91.125
160	50	500	203	183	138x110	105x75/80	10	80	T100.B91.160	T110.B91.160	T120.B91.160
200	50	600	257	237	138x110	105x75/80	10	80	T100.B91.200	T110.B91.200	T120.B91.200

; ) )	50 50 50	550 600 600	178 203 257	158 183 237	138x110	105x75/80 105x75/80 105x75/80	10	79,5 80 80	T100.C10.125 T100.C10.150 T100.C10.200	T110.C10.125 T110.C10.150 T110.C10.200	T120.C10.125 T120.C10.150 T120.C10.200

125	50	400	178	158	138x110	105x75/80	10	79,5	T100.C11.125	T110.C11.125	T120.C11.125
150	50	500	203	183	138x110	105x75/80	10	80	T100.C11.150	T110.C11.150	T120.C11.150
200	50	600	257	237	138x110	105x75/80	10	80	T100.C11.200	T110.C11.200	T120.C11.200

# EVERYTHING IN PERFECT MOTION

In-house transport systems form the central basis of efficient material flow control. They are there to ensure that the goods to be conveyed arrive safely at their destination, ready for the next processing step. To this end, various conveying elements can be networked in order to transport the conveyed goods from delivery point to delivery point as efficiently as possible. Production lines optimise internal costs and ensure fast throughput. In many industries, 365 days a year.

We are your reliable partner in this respect, because our stock range of conveyor rollers ready for immediate delivery will reach you within 24 hours. Everything that needs to run smoothly will thus do so. As an original equipment manufacturer, the specialists at BS Rollen will design your individual conveyor solution for you. We will find the most economical conveyor variant for your transport, order picking, storage or assembly requirements. We can assist you with compact single-station requirements, or in creating complex conveyor systems, also at your location. You can reach our team on +49 2191 59217-0.



# CONVEYING TECHNOLOGY

ROLLER STANDS
BALL TRANSFER UNITS
ROLLER TRACKS
CONVEYOR ROLLERS
ROLLER CONVEYORS
CONVEYOR ELEMENTS
SCISSORS TRACKS



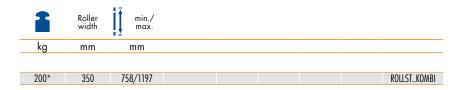
### Roller stands for material feed







# Optimal tools for the production of long and heavy workpieces, universally applicable





### Kombi roller stand

- Material stand with dual foot construction
- · galvanised steel conveyor stand, Ø 60 mm, 1.5 mm plate
- · ball track with 8 balls
- · sliding height adjustment
- · foldable







Note: \* Area load across the entire width of the shelf

### Ball roller stand

- Material stand with dual foot construction
- · welded steel construction
- · 3 tracks, each with 8 balls
- $\cdot$  space saving foldability
- · level regulation for uneven floors





### For energy-saving and ergonomic work





1	Roller width	min./ max.			
kg	mm	mm			
100*	430	630/1100			ROLLSTK

### Ball track roller stand

- · 430 mm ball track, with 8 galvanised steel balls, 15 mm Ø
- · Material stand with tripod construction
- Plug-in system for feetsliding height adjustment







### **Multi-directional** roller stand

- · 350 mm multi-directional roller track, with 17 plastic 50 mm Ø m-d rollers

  tripod stand construction

- Plug-in system for feetsliding height adjustment



Note: \* Area load across the entire width of the shelf

### Roller stands for material feed







1	Roller width	min./ max.			
kg	mm	mm			
100*	350	630 / 1100			ROLLST350
100*	500	630 / 1100			ROLLST500
100*	600	630 / 1100			ROLLST600



### Conveyor roller stand

- · Material stand with tripod construction
- · Plug-in system for feet
- $\cdot$  galvanised steel conveyor roller, 50 mm Ø,

- 1.5 mm steel plate
  sliding height adjustment
  adjustable with or
  without stopper



1	Ø Ball	min./	Width		
kg	mm	mm	mm		
100*	25	715-1060	260		RollstV.KU



Note: \* Area load across the entire width of the shelf

### V-form roller stand with ball transfer units

- · Material stand with 2-leg construction
- · with 4 ball transfer units Ø 25 mm
- $\cdot\,\text{For tubes}$  and rods from 3/4" to 16"
- Profile gead width: 60 x 30 mm
- · sliding height adjustment











1	Roller width	min./			
kg	mm	mm			
100*	200	670 / 1100			ROLLSTV

### V-form roller stand

- · Material stand with tripod construction
- tripod construction

   Plug-in system for feet
   galvanised steel
  conveyor roller,
  50 mm Ø, 1.5 mm plate,
  200 mm long
   sliding height adjustment





Note: \* Area load across the entire width of the shelf



# FLEXIBLE CONVEYING SOLUTIONS FOR INDUSTRY

As components in conveyor systems and assembly systems, ball transfer units not only convey heavy loads, but also sensitive goods such as glass or fine sheet metal. Different materials are used for the rollers, depending on the goods to be transported and the area of application.

The ball transfer unit has become established because it is omnidirectional and the goods to be conveyed can be positioned almost effortlessly. Manufacturing companies, airports and shipping service providers through to furniture manufacturers use ball transfer units.



Housing versions:

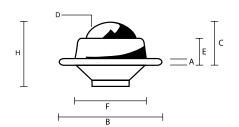
- · Galvanised steel
- · Stainless steel

Balls depending on use:

- Steel
- $\cdot \, \mathsf{Galvanised} \,\, \mathsf{steel} \,\,$
- Plastic
- Nylon









D	F	В	С	Н	Α	Е	Mounting hole Ø	Circle hole Ø		
mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	

13	17	26	10	15	2	6	2,5	22	15	E31.013
14	20,5	31	11,5	17	2	8,5	3,0	26	15	E31.014
19	25	36	14,5	21	2	10	3,0	30	20	E31.019
24	31	45	18	26	2.5	11	3.2	38.5	25	E31.024

### **Ball transfer units**

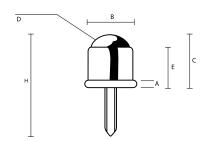
### Balls

Galvanised steel

### Housing

Galvanised steel





D	F	В	С	Н	Α	Е	Thread-Ø	
mm	mm	mm	mm	mm	mm	mm	mm	kg

16	23	20	38	3,0	15	4,0	12	E35.016
19	25	25	52	3,5	20	6,5	15	E35.019
24	28	30	57	4,0	23	6,5	18	E35.024

### **Ball transfer units**

### Balls

Galvanised steel

**Housing**Galvanised steel

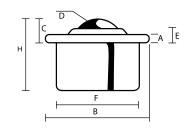


### **Ball transfer units**





7 – 600 kg



D	F	В	С	Н	Α	Е	
mm	mm	mm	mm	mm	mm	mm	kg



Surface	zinc plo	ıted							
15	24	31	9,5	21,0	2,8	6,2		50	E32.015
22	36	45	9,8	30,0	2,8	5,5		130	E32.022
30	45	55	13,8	37,0	4,0	8,3		250	E32.030
45	62	75	19,0	53,5	4,0	10,0		600	E32.045
All part	s zinc pl	ated, ru	stproof	steel bal	ls				
15	24	31	9,5	21,0	2,8	6,3		37	E33.015
22	36	45	9,8	30,0	2,8	5,5		97	E33.022
30	45	55	13,8	37,0	4,0	8,3		190	E33.030
45	62	75	19,0	53,5	4,0	10,0		450	E33.045
All part	s rustpr	oof steel							
15	24	31	9,5	21,0	2,8	6,3		37	E34.015
22	36	45	9,8	30,0	2,8	5,5		97	E34.022
30	45	55	13,8	37,0	4,0	8,3		190	E34.030

### Ball transfer units

### Balls

Steel

## **Housing** Steel



15	24	31	9,5	21,0	2,8	6,3		7	E36.015
22	36	45	9,8	30,0	2,8	5,5		10	E36.022
30	45	55	13,8	37,0	4,0	8,3		15	E36.030

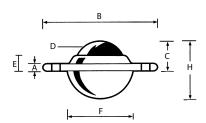
### **Ball transfer units**

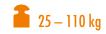
### Balls

Plastic

**Housing**Galvanised steel







D	F	В	С	Н	Α	Е	Mounting hole Ø	Circle hole Ø	1	
mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	

Steel bo	ıll									
19	29,5	61,0	10,0	22,0	3,2	6,8	5,5	45	25	E37.019
25	38,1	73,0	14,2	30,0	3,0	7,9	5,0	56	55	E37.025
32	46,0	73,8	16,2	36,0	4,2	8,3	5,0	59	110	E37.032
40	63,3	94,6	21,2	48,5	6,3	12,7	7,0	70	110	E37.040
Nylon b	all									
19	29,5	61,0	10,0	22,0	3,2	6,8	5,5	45	25	E38.019
25	38,1	73,0	14,2	30,0	3,0	7,9	5,0	56	55	E38.025

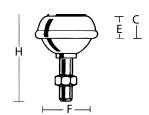


### **Ball transfer units**

### Balls

Steel/Nylon

## **Housing** Steel



D	F	В	С	Н	Α	Е	Thread-Ø	Thread length	1	
mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	

19	32,1	33,6	30,2	65	25	M8	30	25	E39.019
25	39,7	41,2	32,5	75	34	M8	28	55	E39.025
40	55,5	57,0	37,0	99	45	M10	40	110	E39.040

### **Ball transfer units**

### Balls

Steel

**Housing** Galvanised steel





# ROLLER TRACKS: OPTIMAL RUN FOR CARDBOARD BOXES AND CONTAINERS

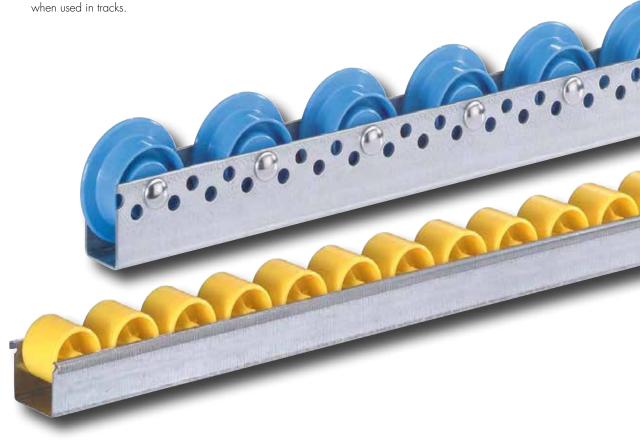
Roller tracks allow cardboard boxes, picking and storage containers to slide perfectly. They are used in lanes or flow racks to feed the goods to the next processing step. In practice, roller tracks are often the cheap alternative to roller conveyors.



Normal rollers: The cylindrical roller can be used in tracks when packages or boxes have different formats.



Flanged rollers: Flanged rollers guide similarformat containers in flow racks or delimit the sides





### Maximum carrier spacing (mm)

Box weight kg	Box leng	ith mm					
9	200	250	300	350	400	500	600
5	1220	1310	1390	1480	1530	1650	1750
10	960	1040	1100	1160	1220	1310	1390
15	840	910	960	1020	1060	1140	1220
20	760	820	880	920	960	1040	1110
25	710	760	810	860	900	960	1020
30					840	910	960
35					800	860	920
40						820	870
45							840
50							810

### **Roller tracks**

Roller tracks are used mainly for the safe movement of transport boxes and cartons in flow racking. The rollers are made of premium quality, robust, impact resistant thermoplastic. It absorbs no damp and is resistant to acids and leaches. These rollers, on steel axles, are available as standard or as flanged rollers.

The roller track frame is cold formed zinc plated steel, 0.75 mm thick.

The roller separation distances (33, 50  $\dots$ ) stated in the catalogue are approximated. The exact hole pitch is 16.667 mm +/- 0.1 mm.

	Separation distance	
	mm	
A 13 mm diameter roller has a load capacity of 6 kg.	16	405.000
Whereas a bundle or package combination should	33	405.001
not exceed 15 kg in total weight.	50	405.002
	End stop	405.003
Available alternative:		

and the state of t

Mini roller tracks with standard rollers Diameter 13 mm

33 50
50
11
66 40



Mini roller tracks with flanged rollers Diameter 18/28 mm

A 28 mm diameter roller has a load capacity of 6 kg.	33	415.000
Whereas a bundle or package combination should	50	415.001
not exceed 25 kg in total weight.	66	415.002
	100	415.003
	End stop	415.004



Roller tracks with standard rollers Diameter 28 mm

Available alternative: Roller colour black Highly conductive roller (colour black)

Highly conductive roller (colour black)

416.000
416.001
416.002
416.003
416.004

Roller tracks with flanged rollers Diameter 28/41 mm

Available alternative: Roller colour black Highly conductive roller (colour black)



### Roller tracks/Omnidirectional roller tracks



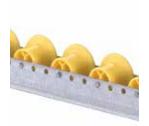
 Separation distance
 mm

Roller tracks with standard rollers Diameter 30 mm



A 30 mm diameter roller has a load capacity of 12 kg.	50	417.000
Whereas a bundle or package combination should	66	417.001
not exceed 35 kg in total weight.	83	417.002
0	100	417.003
	End stop	417.004

Roller tracks with flanged rollers Diameter 30/44 mm



50 418	66 418	66 418	66 418 100 418
// 410	66 418.0	66 418.0	66 418.0 100 418.0
			100 418.0

### Multi-directional roller tracks

Omnidirectional rollers are used wherever flat containers, packs, boxes or workpieces are to be rotated, sorted, diverted, fed in or picked. The dimensions and weight of the goods to be conveyed determine the distance between rollers and bars. The conveyed goods should not exceed the following individual weights:

·∅ 50 mm: 100 daN (kg) ·∅ 60 mm: 200 daN (kg) ·∅ 80 mm: 400 daN (kg)

The rollers can be used within a temperature range of -1.5  $^{\circ}$ C to +80  $^{\circ}$ C.

mm

The specified divisions (66, 100  $\ldots$  ) are only approximate. The exact hole pattern is 33.33  $\,\mathrm{mm}$ 

|--|

mm

Multi-directional roller tracks



66	410.000	411.000	
100	410.001	411.001	412.001
133	410.002	411.002	412.002
166	410.003	411.003	412.003
End stop	410.004	411.004	412.004
Single roller	360.001	360.002	360.003

Available alternative:

Also available as a rail with single rollers with a roll diameter of  $50\ \mathrm{mm}$ 



### **Roller rails**

For example roller tracks are used for:

- · flow racks
- · guide tracks
- · rollerways connecting two work places
- packing machines
- · drive belt guides

We normally supply your desired fixed length. The frame is zinc plated,  $Wy = 2.2 \text{ cm}^3$ . When not otherwise ordered, standard rollers are mounted in the lower row of holes whereas flanged rollers are always mounted in the upper row of holes.

Separation distance
mm

Plastic rollers (48 mm) without a flange have a load capacity	50	421.000
of 10 daN (kg).	75	421.001
( 9)	100	421.002
	125	421.003
	End stop	421.004

Available alternative:

Roller with slide bearing

Slide and ball bearing rollers with buffer ring made of PU

Plastic rollers (48 mm) with a flange have a load capacity	75	422.000
of 10 daN (kg).	100	422.001
	125	422.002
	150	422.003
	End cton	122 001

Plastic rollers (48 mm) with a flange have a load capacity	/5	422.000
of 10 daN (kg).	100	422.001
, 0,	125	422.002
	150	422.003
	End stop	422.004

Steel rollers (48 mm) without a flange have a load capacity	50	423.000
of 20 daN (kg).	75	423.001
, 0,	100	423.002
	125	423.003
	End ston	423 004

Available alternative:

Roller with slide bearing
Slide and ball bearing rollers with buffer ring made of PU

Steel rollers (48 mm) with a flange have a load capacity	75	424.000
of 20 daN (kg).	100	424.001
( 9/	125	424.002
	150	424.003
	Fnd ston	424 004



**Roller tracks** with standard plastic rollers . Diameter 48 mm



**Roller tracks** with flanged plastic rollers Diameter 48/66 mm



**Roller tracks** with standard galvanised steel rollers Diameter 48 mm



**Roller tracks** with flanged galvanised steel rollers Diameter 50/66 mm

### Pallet roller rails



### Pallet roller bar

The pallet roller bar consists of a sendzimir galvanised U-form, 55 mm high and 80 mm wide. The total height is 67 mm. These forms are fitted with rollers with  $\varnothing$  50 mm, at distances of 52, 78, 104, 130, 156 mm etc. Two further rows of holes in the base are for attaching the bar to substructures. The pallet roller bar is available in sizes up to max. 6006 mm

	Separation distance mm	
Pallet roller bar Steel roller, load capacity 150 kg	52 78 104 130 156 End stop	PRS.001 PRS.002 PRS.003 PRS.004 PRS.005 PRS.006
Pallet roller bar Flanged steel roller, load capacity 150 kg	78 104 130 156 End stop	PRS.007 PRS.008 PRS.009 PRS.010 PRS.011
Pallet roller bar Plastic roller, load capacity 65 kg	52 78 104 130 156 End stop	PRK.001 PRK.002 PRK.003 PRK.004 PRK.005 PRK.006
Pallet roller bar Plastic roller with flange, load capacity 65 kg	78 104 130 156 End stop	PRK.007 PRK.008 PRK.009 PRK.010 PRK.011

Note: Please indicate the desired length when ordering. This should be divisible by 26 mm.

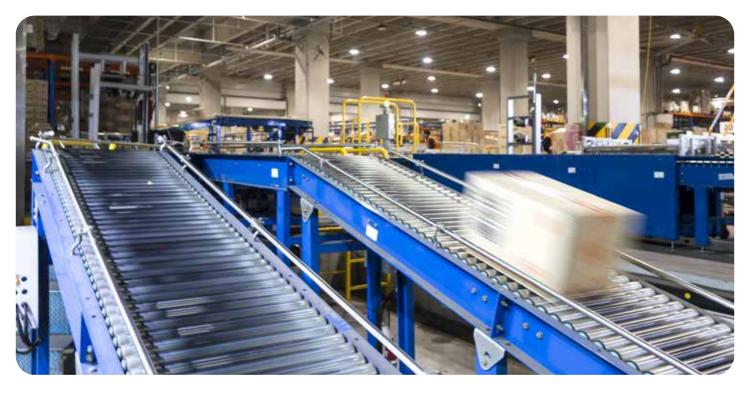


# THE ROLLING CONTACT BETWEEN THE CONVEYOR FRAME AND THE CONVEYOR BELT

Conveyor rollers support every transport process in warehouses, production and logistics/shipping. As elements of roller conveyors, they convey a wide variety of goods, containers, workpiece carriers, boxes, cardboard boxes, but also lattice boxes and pallets.

### Choice of conveyor roller depending on the material to be conveyed:

- · Plastic tube gentle on the transported goods and smooth running
- · Blank steel tube higher load capacity, for sharp-edged conveyed goods, containers with steel runners or when using a crane or forklift
- · Galvanised steel tube additional corrosion protection
- $\cdot$  Aluminium tube for use where light rollers with high load capacity are required
- · Stainless steel tube for special hygiene and cleaning requirements, e.g. in food processing or in the health sector





Conveyor rollers in six different axis variants can be used to equip a most diverse range of roller conveyors.

### **Driven conveyor rollers**

Conveyor rollers with single or double chain wheel drive actively convey piece goods. Driven roller conveyors can be used to transport cardboard boxes/packages as well as containers or barrels.

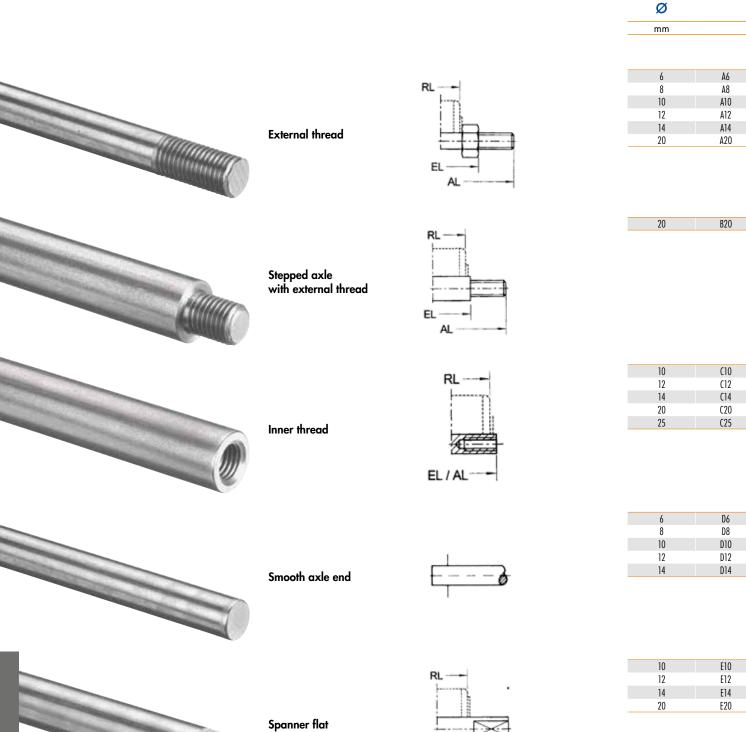


### Range in stock for immediate delivery: 24-hour emergency service

We deliver many common dimensions in blue plastic tube and blank and galvanised steel tube from stock, immediately within 24 hours. This minimises downtimes and gives you the fastest possible response time without you having to keep your own stock.

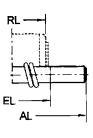
### Axle variants for conveyor rollers





|--|--|

Spring axle



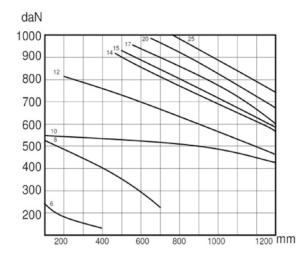
10	LIU
12	E12
14	E14
20	E20

6	F6
8	F8
10	F10
12	F12



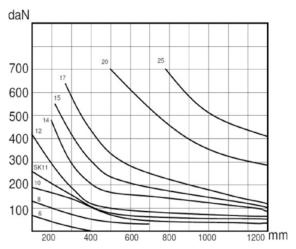
### Static load on the axles

with tight clamping



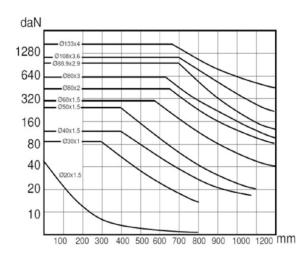
### Static load on the axles

with loose clamping



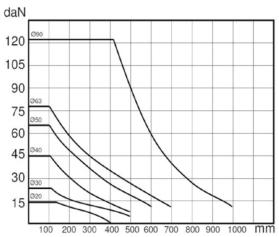
### Static areal load on the tubes

Steel tube



### Static areal load on the tubes

Plastic tube



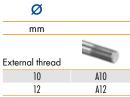
The information on the load capacity given on the following pages is to be understood as surface loading for installation in non-powered roller conveyors. The load capacity depends, for example, on the roller length, the diameter and the type of fastening. Please contact us.

### RANGE IN STOCK FOR IMMEDIATE DELIVERY

### Blue plastic cylinder conveyor rollers

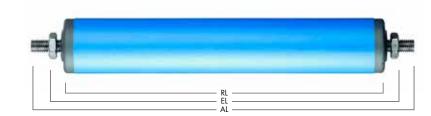








RL = Roller length EL = Fitting length AL = Axle length



Spring axle	-
6	F6
8	F8
10	F10



External cylinder Ø	Roller length	Fitting length	Axle length	Axle type	1	
mm	mm	mm	mm		kg	

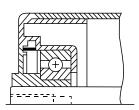
### Plastic bearing with one row of steel balls

Plastic bearin	g wiin one rov	or steet balls				
20x1,5	200	205	221	F6	10	S20-F6-205-221
20x1,5	300	305	321	F6	7	S20-F6-305-321
20x1,5	400	405	421	F6	2	S20-F6-405-421
30x1,8	200	205	225	F8	10	S30-F8-205-225
30x1,8	300	305	325	F8	8	S30-F8-305-325
30x1,8	400	405	425	F8	6	S30-F8-405-425
40x2,3	200	205	225	F10	10	S40-F10-205-225
40x2,3	300	305	325	F10	9	S40-F10-305-325
40x2,3	400	405	425	F10	8	S40-F10-405-425
40x2,3	500	505	525	F10	7	S40-F10-505-525



Plastic bearing with two rows of steel balls

50x2,8	200	207	227	F10	20	S50-F10-207-227
50x2,8	300	307	327	F10	20	S50-F10-307-327
50x2,8	400	407	427	F10	20	S50-F10-407-427
50x2,8	500	507	527	F10	20	S50-F10-507-527
50x2,8	600	607	627	F10	20	S50-F10-607-627



Plastic bearing with grooved ball bearing and heat seal

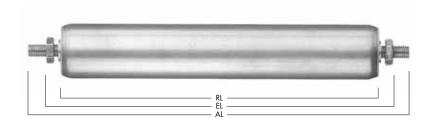
	, ,					
50x2,8	200	206	226	F10	100	S51-F10-206-226
50x2,8	300	306	326	F10	50	S51-F10-306-326
50x2,8	400	406	426	F10	30	S51-F10-406-426
50x2,8	500	506	526	F10	20	S51-F10-506-526
50x2,8	600	606	626	F10	10	S51-F10-606-626
50x2,8	200	217	247	A10	100	S51-A10-217-247
50x2,8	300	317	347	A10	50	S51-A10-317-347
50x2,8	400	417	447	A10	30	S51-A10-417-447
50x2,8	500	517	547	A10	20	S51-A10-517-547
50x2,8	600	617	647	A10	10	S51-A10-617-647
63x3	200	219	249	A12	140	S63-A12-219-249
63x3	300	319	349	A12	80	S63-A12-319-349
63x3	400	419	449	A12	50	S63-A12-419-449
63x3	500	519	549	A12	30	S63-A12-519-549
63x3	600	619	649	A12	20	S63-A12-619-649

<sup>\*</sup> The stated load capacities are meant to be the surface load for assembling into not powered conveyors.

### RANGE IN STOCK FOR IMMEDIATE DELIVERY



### Roller steel tube blank/galvanised





RL = Roller length EL = Fitting length AL = Axle length

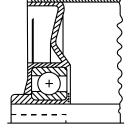
Axle variants	
mm	
External thread	
10	A10
12	A12

0	
Spring axle	
10	F10

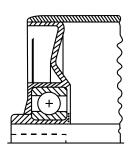
External cylinder Ø	Roller length	Fitting length	Axle length	Axle type		
mm	mm	mm	mm		kg	

Blank steel cylinder conveyor rollers

Sheet steel bea	cylinaer con Iring liner, galvo	veyor rollers anised with groo	ved ball bear	ing		
50x1,5	200	210	230	F10	150	S55-F10-210-230
50x1,5	300	310	330	F10	130	S55-F10-310-330
50x1,5	400	410	430	F10	80	S55-F10-410-430
50x1,5	500	510	530	F10	70	S55-F10-510-530
50x1,5	600	610	630	F10	40	S55-F10-610-630
50x1,5	200	220	250	A10	240	S55-A10-220-250
50x1,5	300	320	350	A10	240	S55-A10-320-350
50x1,5	400	420	450	A10	240	S55-A10-420-450
50x1,5	500	520	550	A10	200	S55-A10-520-550
50x1,5	600	620	650	A10	130	S55-A10-620-650
60x1,5	200	222	252	A12	240	S60-A12-222-252
60x1,5	300	322	352	A12	240	S60-A12-322-352
60x1,5	400	422	452	A12	240	S60-A12-422-452
60x1,5	500	522	552	A12	240	S60-A12-522-552
60x1,5	600	622	652	A12	240	S60-A12-622-652
80x2	200	222	252	A12	240	S80-A12-222-252
80x2	300	322	352	A12	240	S80-A12-322-352
80x2	400	422	452	A12	240	S80-A12-422-452
80x2	500	522	552	A12	240	S80-A12-522-552
80x2	600	622	652	A12	240	S80-A12-622-652



Galvanised Conveyor rolle	steel tube s r bearings mad	upport rolle e of galvanised	rs I sheet steel wit	h deep groove	ball bearings	NEW
50x1,5	200	210	230	F10	150	S56-F10-210-230
50x1,5	300	310	330	F10	130	S56-F10-310-330
50x1,5	400	410	430	F10	80	S56-F10-410-430
50x1,5	200	220	250	A10	240	S56-A10-220-250
50x1,5	300	320	350	A10	240	S56-A10-320-350
50x1,5	400	420	450	A10	240	S56-A10-420-450
50x1,5	500	520	550	A10	200	S56-A10-520-550
60x1,5	300	322	352	A12	240	S61-A12-322-352
60x1,5	400	422	452	A12	240	S61-A12-422-452
60x1,5	500	522	552	A12	240	S61-A12-522-552
60x1,5	600	622	652	A12	240	S61-A12-622-652



<sup>\*</sup> The stated load capacities are meant to be the surface load for assembling into not powered conveyors.

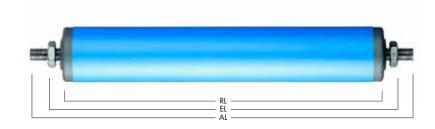
### Blue plastic cylinder conveyor rollers



### Axle variants

Ø	
mm	
External thread	
6	A6
8	A8
10	A10
12	A12
14	A14

RL = Roller length EL = Fitting length AL = Axle length



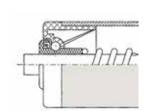
### Internal thread 10 12 C12 C14 14

## Conveyor roller bearings

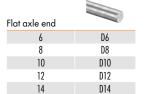
Bearing insert made of plastic, grey with single row ball bearing Load capacity

max. 5 kg/bearing at  $\varnothing$  20 mm

Load capacity max. 7 kg/bearing for Ø 30 and 40 mm



External cylinder Ø	
mm	
20x1,5	100
30x1,8	110
40x2,3	120

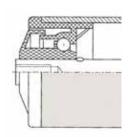


### Conveyor roller bearings

Bearing insert made of plastic, blue with double row ball bearings

Load capacity

max. 10 kg/bearing



50x2,8	130

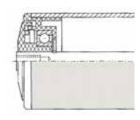


### Conveyor roller bearings

Plastic bearing insert, blue with labyrinth seal and ball bearing

Load capacity

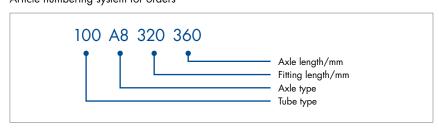
80 kg/bearing



50x2,8	140
63v3 U	150

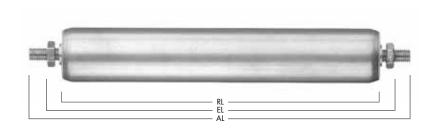
### Spring axle F6 6 8 F8 10 F10 12 F12

### Article numbering system for orders





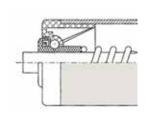
### Blank steel cylinder conveyor rollers



RL = Roller length EL = Fitting length AL = Axle length

Axle variants	
mm	
External thread	
6	A6
8	A8
10	A10
10 12	A10 A12

External cylinder Ø	
mm	
20x1,5	101
30x1,0	111
40x1,5	121



### Conveyor roller bearings

Bearing insert made of plastic, grey with single row ball bearing

### Load capacity

max. 5 kg/bearing at Ø 20 mm

### Load capacity

max. 7 kg/bearing for  $\emptyset$  30 and 40 mm



Internal thread

10

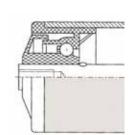
12

12

C12

D12

## 50x1,5

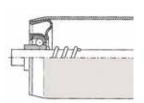


Bearing insert made of
olastic, blue with double
ow hall bearings

### Load capacity max. 10 kg/bearing

Spanner flat	
10	E10

40x1,5	141
50x1,5	151
50x2,0	161
60x2 0	171



### Conveyor roller bearings

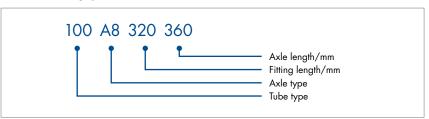
Bearing insert made of sheet steel, galvanised with single row ball bearings

### Load capacity

80 kg/bearing

Spring axle	
6	F6
8	F8
10	F10

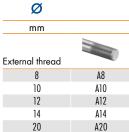
### Article numbering system for orders



### Blank steel cylinder conveyor rollers







RL = Roller length EL = Fitting lengthAL = Axle length



Stepped axle with external thread

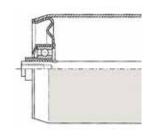


Conveyor roller bearings

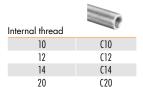
Bearing insert made of sheet steel, galvanised with single row ball bearing, with plastic hub

Load capacity

max. 120 kg/bearing



External cylinder Ø	
mm	
50x1,5	181
50x2,0	191
60x2,0	201
80x2,0	211

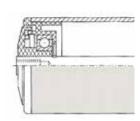


### Conveyor roller bearings

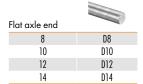
Plastic bearing insert, blue with labyrinth seal and ball bearing

Load capacity

80 kg/bearing



50x1,5	221
50x2,0	231
60x2,0	241
80x2.0	251

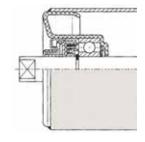


### Conveyor roller bearings

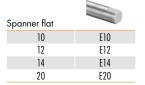
Bearing insert made of sheet steel, double labyrinth seal and deep groove ball bearing, 6204 with axis Ø 20 mm. 6305 with axis Ø 25 mm

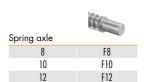
Load capacity

max. 250 kg/bearing

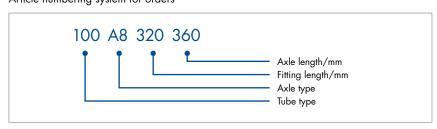


80x2,0	261
80x3,0	271
89x3,25	281





Article numbering system for orders





### Zinc plated steel cylinder conveyor rollers



RL = Roller length EL = Fitting length AL = Axle length

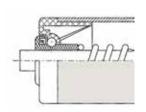
Axle variants	
mm	
External thread	
6	A6
8	A8
10	A10
12	A12

Internal thread

10

12

External cylinder Ø	
mm	
20x1,5	102
30x1,0	112
40x1,5	122



### Conveyor roller bearings

Bearing insert made of plastic, grey with single row ball bearing

### Load capacity

max. 5 kg/bearing at Ø 20 mm

### Load capacity

max. 7 kg/bearing for  $\varnothing$  30 and 40 mm

### Conveyor roller bearings

Bearing insert made of plastic, blue with double row ball bearings

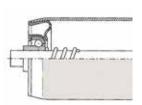
### Load capacity max. 10 kg/bearing

Flat axle end	
6	D6
8	D8
10	D10
12	D12

C12

		S
	107	 -
	41	
	V	

40x1,5	142
50x1,5	152
50x2,0	162
60v2 0	179



### Conveyor roller bearings

Bearing insert made of sheet steel, galvanised with single row ball bearings

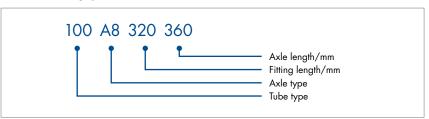
### Load capacity

80 kg/bearing

Spanner flat	
10	E10

Spring axle	
6	F6
8	F8
10	F10

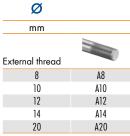
### Article numbering system for orders



### Zinc plated steel cylinder conveyor rollers



### Axle variants



RL = Roller length EL = Fitting lengthAL = Axle length



# Stepped axle with external thread

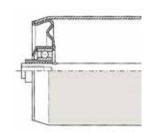


Conveyor roller bearings

Bearing insert made of sheet steel, galvanised with single row ball bearing, with plastic hub

Load capacity

max. 120 kg/bearing



External cylinder Ø	
mm	
50x1,5	182
50x2,0	192
60x2,0	202
80x2,0	212

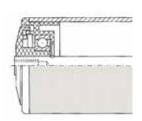
# Internal thread 10 C10 12 C12 14 C14 20 C20

### Conveyor roller bearings

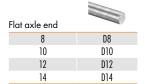
Plastic bearing insert, blue with labyrinth seal and ball bearing

Load capacity

80 kg/bearing



50x1,5	222
50x2,0	232
60x2,0	242
80x2,0	252

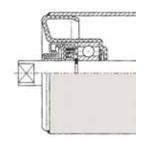


### Conveyor roller bearings

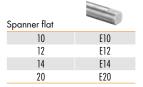
Bearing insert made of sheet steel, double labyrinth seal and deep groove ball bearing, 6204 with axis Ø 20 mm. 6305 with axis Ø 25 mm

Load capacity

max. 250 kg/bearing

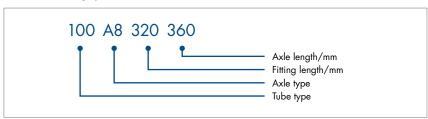


80x2,0	262
80x3,0	272
88,9x2,9	282



Spring axle	
8	F8
10	F10
12	F12

Article numbering system for orders





### Aluminium cylinder conveyor rollers



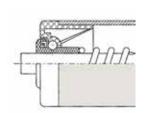
RL = Roller length EL = Fitting length AL = Axle length

Axle variants	
mm	
External thread	
6	A6
8	A8
10	A10
12	A12
14	A14

Stepped axle with external thread

20

External cylinder Ø	
mm	
20x1,5	103
30x2,0	113
40x1,5	123



### Conveyor roller bearings

Bearing insert made of plastic, grey with single row ball bearing

### Load capacity

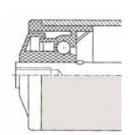
max. 5 kg/bearing at Ø 20 mm

### Load capacity

max. 7 kg/bearing for  $\emptyset$  30 and 40 mm

Internal thread	
10	C10
12	C12
14	C14
20	C20

### 50x1,5



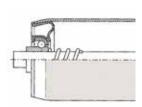
### Conveyor roller bearings

Bearing insert made of plastic, blue with double row ball bearings

### Load capacity max. 10 kg/bearing

Flat axle end	
6	D6
8	D8
10	D10
12	D12
14	D14

40x1,5	143
50x2,0	153



### Conveyor roller bearings

Bearing insert made of sheet steel, galvanised with single row ball bearings

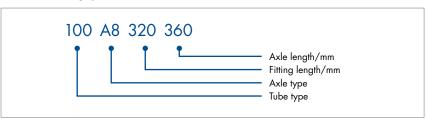
### Load capacity

80 kg/bearing

E10

Spring axle	
6	F6
8	F8
10	E10

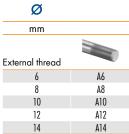
### Article numbering system for orders



### Aluminium cylinder conveyor rollers



### Axle variants



RL = Roller lengthEL = Fitting length AL = Axle length



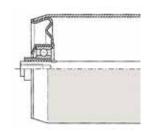
### Stepped axle with external thread20



Conveyor roller bearings

Bearing insert made of sheet steel, galvanised with single row ball bearing, with plastic hub

Load capacity
max. 120 kg/bearing



External cylinder Ø	
mm	-
50x1,5	163

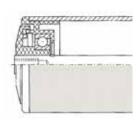
### Internal thread 10 12 C12 14 (14 20 C20



Plastic bearing insert, blue with labyrinth seal and ball bearing

Load capacity

80 kg/bearing



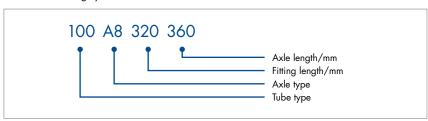
50x1,5	193

### Flat axle end 8 D8 10 D10 12 D12 14 D14

Spanner flat	
10	E10

Spring axle	
6	F6
8	F8
10	F10

### Article numbering system for orders





### Stainless steel cylinder conveyor rollers



RL = Roller length EL = Fitting length AL = Axle length

Axle variants	
mm	
External thread	
6	A6
8	A8
U	AU
10	A10
-	

Internal thread

Spanner flat

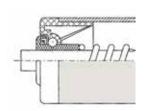
10

12

C12

External cylinder Ø	
mm	
20x1,0	104
30x1,0	114
40x1,5	124

50x1,5



### Conveyor roller bearings

Bearing insert made of plastic, grey with single row ball bearing

### Load capacity

max. 5 kg/bearing at Ø 20 mm

### **Load capacity**

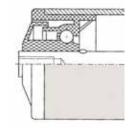
max. 7 kg/bearing for Ø 30 and 40 mm

### Conveyor roller bearings

Bearing insert made of plastic, blue with double row ball bearings

### Load capacity max. 10 kg/bearing

Flat axle end	
6	D6
8	D8
10	D10
12	D12



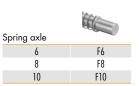
Conveyor	roller	bearings	

Bearing insert made of sheet steel, galvanised with single row ball bearings

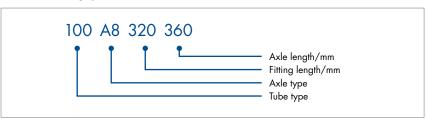
### Load capacity

80 kg/bearing

40x1,5	144	
50x1,5	154	***
60x2,0	164	
		September 1
		17.17
		l'al
		AT PC-



### Article numbering system for orders



### Stainless steel cylinder conveyor rollers



### Axle variants



RL = Roller lengthEL = Fitting length AL = Axle length



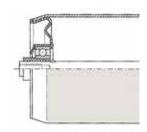
# Stepped axle with external thread



Conveyor roller bearings

Bearing insert made of sheet steel, galvanised with single row ball bearing, with plastic hub

Load capacity
max. 120 kg/bearing



External cylinder Ø	
mm	
50x1,5	174
60x2,0	184
80x2.0	194

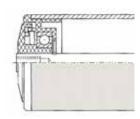
### Internal thread 12 C12 14 (14 20 C20



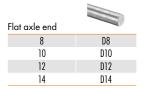
Plastic bearing insert, blue with labyrinth seal and ball bearing

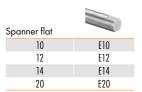
Load capacity

80 kg/bearing



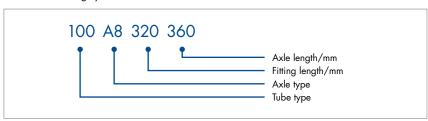
50x1,5	204
60x2,0	214
80x2,0	224





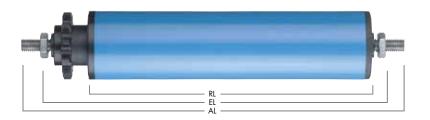
Spring axle	
8	F8
10	F10
12	F12

### Article numbering system for orders





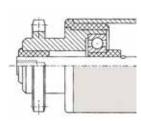
### Powered plastic conveyor rollers



RL = Roller length EL = Fitting lengthAL = Axle length

Axle variants	
mm	
External thread	
10	A10
12	A12
14	A14

External cylinder Ø	
mm	
50x2,8	160
63x3,0	170



### **Drive element**

Single chain wheel 1/2" x 5/16", 11 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

### Counter bearing

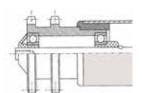
Plastic bearing insert with double labyrinth seal and deep groove ball bearing

### Load capacity

40 kg/castor

Internal thread	
12	C12
1//	C14

50x2,8	180
63x3,0	190



### Drive element

Double chain wheel 1/2" x 5/16", 14 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

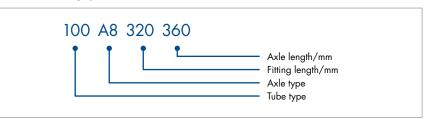
### Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

### Load capacity

40 kg/castor

Article numbering system for orders



### Powered blank steel conveyor rollers



### Axle variants

Ø	
mm	
External thread	
10	A10
12	A12
14	A14
20	A20

RL = Roller length EL = Fitting length AL = Axle length



### Internal thread 12 14 C14 20 C20 25 C25

### **Drive element**

Drive element
Single chain wheel 1/2" x 5/16", 11 teeth
optionally made of plastic or steel, optionally as
a fixed drive with press fit or welded, or as an
accumulation drive. Fixed drive with press fit should
only be used for continuous conveyance.

Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

### Load capacity

40 kg/castor

### **Drive element**

Double chain wheel 1/2" x 5/16", 14 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

### Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing Load capacity

40 kg/castor

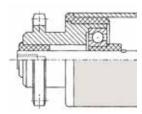
### Drive element

Single chain wheel  $5/8" \times 3/8"$ , 13 or 15 steel teeth, permanently welded to the roller body.

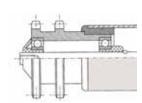
Counter bearing heavy sheet steel floor with grooved ball bearings

### Load capacity

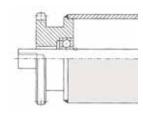
120 kg/bearing



cylinder Ø	
mm	
50x1,5	291
50x2,0	301
60x2,0	311
80x2,0	321



50x1,5	331
50x2,0	341
60x2,0	351
80x2,0	361



63,5x2,9	371
80x2,0	381
80x3,0	391
88.9x2.9	401

### **Drive element**

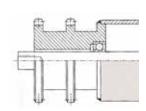
Double chain wheel  $5/8" \times 3/8"$ , 15 teeth made of steel, firmly welded to the roller body.

Counter bearing

heavy sheet steel floor with grooved ball bearings

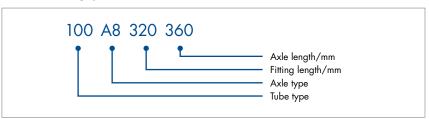
### Load capacity

120 kg/bearing



63,5x2,9	411
80x2,0	421
80x3,0	431
88,9x2,9	441

### Article numbering system for orders





### Powered zinc plated steel conveyor rollers



RL = Roller length EL = Fitting length AL = Axle length

Axle variants	
mm	
External thread	
10	A10
12	A12
14	A14
20	120

Internal thread	
12	C12
14	C14
20	C20
25	C25

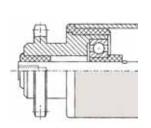
External cylinder Ø	
mm	
50x1,5	292
50x2,0	302
60x2,0	312
80x2,0	322

50x1,5

50x2.0

60x2,0

80x2,0



Dri	ve	e	ement

Single chain wheel 1/2" x 5/16", 11 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

Load capacity

40 kg/castor

			ī
4	1		
0	1	Charles	. (
100,700		100000000000000000000000000000000000000	

### Drive element

Double chain wheel 1/2" x 5/16", 14 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

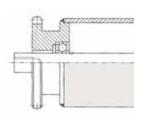
Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing Load capacity

40 kg/castor

63,5x2,9	372
80x2,0	382
80x3,0	392
88,9x2,9	402

342 352



### Drive element

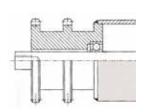
Single chain wheel  $5/8" \times 3/8"$ , 13 or 15 steel teeth, permanently welded to the roller body.

Counter bearing heavy sheet steel floor with grooved ball bearings Load capacity

120 kg/bearing

63,5x2,9	412
80x2,0	422
80x3,0	432

88,9x2,9



### Drive element

Double chain wheel 5/8" x 3/8", 15 teeth made of steel, firmly welded to the roller body.

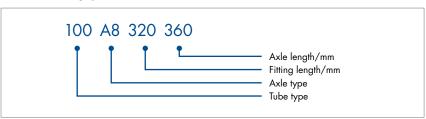
Counter bearing heavy sheet steel floor with grooved ball bearings

Load capacity

120 kg/bearing

### Article numbering system for orders

442



### Powered aluminium cylinder conveyor rollers

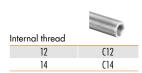


### Axle variants

Ø	
mm	
External thread	
Exicinal inicaa	
10	A10
	A10 A12

RL = Roller length EL = Fitting length AL = Axle length





### **Drive element**

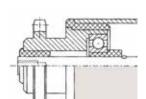
Single chain wheel  $1/2'' \times 5/16''$ , 11 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

### Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

### Load capacity

40 kg/castor



External cylinder Ø	
mm	
50x1,5	173

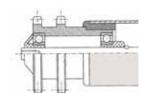
### **Drive element**

Double chain wheel 1/2" x 5/16", 14 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

Counter bearing

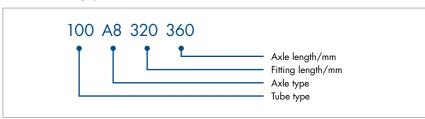
Plastic bearing insert with double labyrinth seal and deep groove ball bearing
Load capacity

40 kg/castor



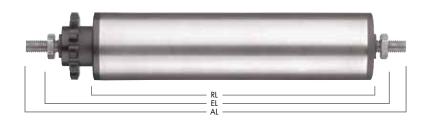
50x1,5

### Article numbering system for orders





### Powered stainless steel cylinder conveyor rollers



RL = Roller length EL = Fitting length AL = Axle length

Axle variants	
mm	
External thread	
10	A10
12	A12
12 14	A12 A14
·-	

Internal thread 12

14

20

25

C14

(20)

C25

cylinder Ø	
mm	
50x1,5	234
50x2,0	244
60,3x1,65	254
80x2,0	264

50x1,5

50x2.0

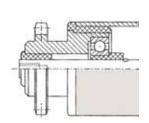
60,3x1,65

80x2,0

80x2,0

284 294

314



D	riv	vе	e	ler	ne	nt	

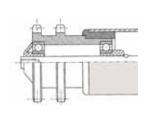
Single chain wheel 1/2" x 5/16", 11 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

Load capacity

40 kg/castor



### **Drive element**

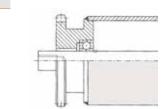
Double chain wheel 1/2" x 5/16", 14 teeth optionally made of plastic or steel, optionally as a fixed drive with press fit or welded, or as an accumulation drive. Fixed drive with press fit should only be used for continuous conveyance.

Counter bearing

Plastic bearing insert with double labyrinth seal and deep groove ball bearing

Load capacity

40 kg/castor



### Drive element

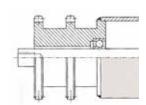
Single chain wheel  $5/8" \times 3/8"$ , 13 or 15 steel teeth, permanently welded to the roller body.

Counter bearing heavy sheet steel floor with grooved ball bearings

Load capacity

120 kg/bearing

80x2.0	324



### Drive element

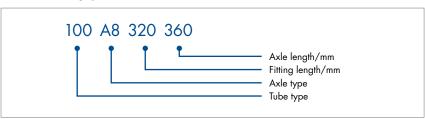
Double chain wheel 5/8" x 3/8", 15 teeth made of steel, firmly welded to the roller body.

Counter bearing heavy sheet steel floor with grooved ball bearings

Load capacity

120 kg/bearing

### Article numbering system for orders





# FROM THE COMPACT SINGLE-STATION SOLUTION UP TO COMPLEX CONVEYOR SYSTEMS

Internal transport systems form the central basis for efficient materials flow. Various conveying elements can be optimally combined in order to transport the conveyed goods as efficiently as possible from the loading point to the delivery point. Transport systems link all the production, processing and goods distribution processes and logistics ensure that goods are issued, delivered, stored and finally picked.



The specialists at BS Rollen will design your individual conveyor solution for you, from compact single-station requirements to complex conveyor systems. We will find the most economical conveyor variant for your transport, order picking, storage or assembly requirements. Of course, we will also offer you advice at your location. Contact us.





### Scissor roller conveyors and scissor roller conveyors

 $\cdot$  are independent and flexible conveyor lines for changing conveying directions and destinations

- have variable conveying lengths (extendable)
  are height-adjustable (700 1100 mm)
- · are mobile by means of castors with locking brake
- · are used to create flexible routing; curves can be easily formed

Construction height: Standard height adjustable from 700 to 1100 mm. Differing heights on request.

Lane width	Rollers per axle	Number of supports	Extendable from – to	Load capacity between 2 supports	
mm			m	kg	



### Scissor roller conveyors

- · Centre distance 55 130 mm, depending on the extended length
- · Support rollers made of plastic tube  $\emptyset$  50 x 2.8 mm, with ball bearings

### Variant:

· Steel tube support rollers, galvanised 0.50 x 1.5 mm (please consult us)

· Centre distance

galvanised Ø 48 mm, with ball bearings

· Steel rollers,

Variant: · Plastic rollers, blue Ø 48 mm, with ball bearings (please consult us)

### Flexible roller conveyors 300 100 SCHT.001 300 2,7 - 6,2 100 SCHT.002 SCHT.003 300 3,3 - 7,9 100 300 4,0 - 9,6 100 SCHT.004 1,9 - 4,4 100 SCHT.005 400 2,7 - 6,2 100 SCHT.006 400 400 3,3 - 7,9 100 SCHT.007 400 4,0 - 9,6 100 SCHT.008 1,9 - 4,4 100 SCHT.009 500 3 3 2,7 - 6,2 100 SCHT.010 500 3 3,3 - 7,9 100 SCHT.011 4,0 - 9,6 500 100 SCHT.012 600 1,9 - 4,4 120 SCHT.013 600 2,7 - 6,2 120 SCHT.014 3,3 - 7,9 600 120 SCHT.015 4,0 - 9,6 120 SCHT.016



300	3	3	1,2 - 4,4	100	SCHR.001
300	3	4	1,7 - 6,2	100	SCHR.002
300	3	5	2,2 - 7,9	100	SCHR.003
300	3	6	2,8 - 9,6	100	SCHR.004
400	4	3	1,2 - 4,4	100	SCHR.005
400	4	4	1,7 - 6,2	100	SCHR.006
400	4	5	2,2 - 7,9	100	SCHR.007
400	4	6	2,8 - 9,6	100	SCHR.008
500	5	3	1,2 - 4,4	120	SCHR.009
500	5	4	1,7 - 6,2	120	SCHR.010
500	5	5	2,2 - 7,9	120	SCHR.011
500	5	6	2,8 - 9,6	120	SCHR.012
600	6	3	1,2 - 4,4	120	SCHR.013
600	6	4	1,7 - 6,2	120	SCHR.014
600	6	5	2,2 - 7,9	120	SCHR.015
600	6	6	28-96	120	SCHR 016

Lane width			
mm			

Lane	width
m	ım

Connectors for roller conveyors

300		SCHV.001
400		SCHV.002
500		SCHV.003
600		SCHV.004
End stops fix	ked	
300		SCHE.001
400		SCHE.002
500		SCHE.003
600		SCHE.004

Connectors for mini-roller conveyors

300		SCHV.005
400		SCHV.006
500		SCHV.007
600		SCHV.008
Endstops	retractable	
300		SCHE.005
300 400		SCHE.005 SCHE.006







### Small roller conveyors with support rollers Ø 20 mm



### **Small roller conveyors**

· For transporting/conveying small, light goods.

· Dimensions of the smallest goods:

 $\underline{\text{minimum }75\text{ }\text{mm}}$  at an axle interval of 25 mm / min. 100 mm at an axle interval of 33 mm

• The goods must rest on a minimum of 3 supporting rollers.

· The goods' base must be flat.

· The conveyor track must always be wider than the goods.

A number of conveyors can be combined to form longer lengths (special lengths possible).
The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.

· For operation in dry interior areas.

· The load capacity depends on the track width, roller distances and support intervals.

You can plan the conveyors according to your requirements.

Small roller conveyors can be delivered according to your individual local specifications.

111111111111111111111111111111111111111			The state of the s
The state of the s	200	1	

Lane	Total	Axle	Lane length	Lane length	Lane length	Curve	Curve
width	width	separation	1 m	2 m	3 m	90°	45°
mm	mm	mm					

200	240	25	KRT20.001	KRT20.009	KRT20.017	KRT20.K001	KRT20.K009
200	240	33	KRT20.002	KRT20.010	KRT20.018		
300	340	25	KRT20.003	KRT20.011	KRT20.019	KRT20.K003	KRT20.K011
300	340	33	KRT20.004	KRT20.012	KRT20.020		
400	440	25	KRT20.005	KRT20.013	KRT20.021	KRT20.K005	KRT20.K013
400	440	33	KRT20.006	KRT20.014	KRT20.022		
500	540	25	KRT20.007	KRT20.015	KRT20.023	KRT20.K007	KRT20.K015
500	540	33	KRT20.008	KRT20.016	KRT20.024		

### Frame:

U-profile  $20/70/20 \times 2 \text{ mm steel},$ galvanised, screwed with cross bars

### Conveyor rollers:

Plastic tube, blue  $\emptyset$  20 x 1.5 mm, with ball bearings

### **Curves:**

Inner radius 800 mm Support rollers continuous or divided into several lateral sections depending on the track width Width 200 - 300 mm continuous Width 400 mm divided into 2 Width 500 mm divided into 3



200	240	25	KRT20.025	KRT20.033	KRT20.041	KRT20.K017	KRT20.K025
200	240	33	KRT20.026	KRT20.034	KRT20.042		
300	340	25	KRT20.027	KRT20.035	KRT20.043	KRT20.K019	KRT20.K027
300	340	33	KRT20.028	KRT20.036	KRT20.044		
400	440	25	KRT20.029	KRT20.037	KRT20.045	KRT20.K021	KRT20.K030
400	440	33	KRT20.030	KRT20.038	KRT20.046		
500	540	25	KRT20.031	KRT20.039	KRT20.047	KRT20.K023	KRT20.K031
500	540	33	KRT20.032	KRT20.040	KRT20.048		

### Frame:

U-profile  $20/70/20 \times 2 \text{ mm steel},$ galvanised, screwed with cross bars

### **Conveyor rollers:**

Galvanised steel tube,  $\emptyset$  20 x 1.0 mm, ball bearing mounted

### Curves:

Inner radius 800 mm Support rollers continuous or divided into several lateral sections depending on the track width Width 200 - 300 mm continuous Width 400 mm divided into 2 Width 500 mm divided into 3

Note: You will find supports and accessories on page 226.



### Small roller conveyors with support rollers Ø 30 mm

### Small roller conveyors

- · For transporting/conveying small, light goods.
- · Dimensions of the smallest goods:
- minimum 115 mm at an axle interval of 37.5 mm / min. 150 mm at an axle interval of 50 mm.
- The goods must rest on a minimum of 3 supporting rollers.
- · The goods' base must be flat.
- · The conveyor track must always be wider than the goods.
- · A number of conveyors can be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- · For operation in dry interior areas.
- · The load capacity depends on the track width, roller distances and support intervals.
- · You can plan the conveyors according to your requirements.
- Small roller conveyors can be delivered according to your individual local specifications.



width	width	separation	1 m	2 m	3 m	90°	45°
mm	mm	mm					

200	240	37,5	KRT30.001	KRT30.011	KRT30.021	KRT30.K001	KRT30.K011
200	240	50	KRT30.002	KRT30.012	KRT30.022		
300	340	37,5	KRT30.003	KRT30.013	KRT30.023	KRT30.K003	KRT30.K013
300	340	50	KRT30.004	KRT30.014	KRT30.024		
400	440	37,5	KRT30.005	KRT30.015	KRT30.025	KRT30.K005	KRT30.K015
400	440	50	KRT30.006	KRT30.016	KRT30.026		
500	540	37,5	KRT30.007	KRT30.017	KRT30.027	KRT30.K007	KRT30.K017
500	540	50	KRT30.008	KRT30.018	KRT30.028		
600	640	37,5	KRT30.009	KRT30.019	KRT30.029	KRT30.K009	KRT30.K019
600	640	50	KRT30.010	KRT30.020	KRT30.030		

### Frame:

U-profile 20/70/20 x 2 mm steel, galvanised, screwed with cross bars

### Conveyor rollers:

Plastic tube, blue Ø 30 x 1.8 mm, with ball bearings

### **Curves:**

Inner radius 800 mm Support rollers continuous or divided into several lateral sections depending on the track width Width 200 – 300 mm continuous Width 400 mm divided into 2 Width 500 mm divided into 3



200	240	37,5	KRT30.031	KRT30.041	KRT30.051	KRT30.K021	KRT30.K031
200	240	50	KRT30.032	KRT30.042	KRT30.052		
300	340	37,5	KRT30.033	KRT30.043	KRT30.053	KRT30.K023	KRT30.K033
300	340	50	KRT30.034	KRT30.044	KRT30.054		
400	440	37,5	KRT30.035	KRT30.045	KRT30.055	KRT30.K025	KRT30.K035
400	440	50	KRT30.036	KRT30.046	KRT30.056		
500	540	37,5	KRT30.037	KRT30.047	KRT30.057	KRT30.K027	KRT30.K037
500	540	50	KRT30.038	KRT30.048	KRT30.058		
600	640	37,5	KRT30.039	KRT30.049	KRT30.059	KRT30.K029	KRT30.K039
600	640	50	KB13U UVU	KRT30 050	KB13U UYU		

### Frame:

U-profile 20/70/20 x 2 mm steel, galvanised, screwed with cross bars

### Conveyor rollers:

Steel tube, galvanised  $\varnothing$  30 x 1.5 mm, ball bearing mounted

### Curves:

Inner radius 800 mm Support rollers continuous or divided into several lateral sections depending on the track width Width 200 – 300 mm continuous Width 400 mm divided into 2 Width 500 mm divided into 3

### Light roller conveyors with plastic rollers Ø 50 mm



### Light roller conveyors

- · For transporting goods up to approx. 25 kg each.
- The good's base must be even and stable, or can feature lengthwise bars in the direction of transport.
- The roller conveyor must always be wider than the selected goods.
- $\cdot$  The smallest goods must rest on at least 3 roller axles at one time. (axle distance  $\times$  3 = minimum length)
- · A number of tracks may be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- · For operation in dry interior areas.
- $\cdot$  The load capacity depends on the track width, roller distances and support intervals.
- · You can plan the conveyors according to your requirements.

Light roller conveyors can be delivered according to your individual local specifications.



Lane width	Total	Axle	Lane length 1 m	Lane length 2 m	Lane length 3 m	Curve 90°	Curve 45°
widili	widili	sepuration	1 111	2 111	3 111	70	43
mm	mm	mm					

### Frame:

U-profile  $20/70/20 \times 2$  mm steel, galvanised, screwed with cross bars

### Conveyor rollers:

Plastic tube, blue  $\varnothing$  50 x 2.8 mm, with ball bearings, screwed axles  $\varnothing$  8 mm

### Curves:

Inner radius 800 mm

Support rollers continuous or divided into several lateral sections depending on the track width

Width 200 - 300 mm continuous

Width 400 mm divided into 2

Width 500 - 600 mm divided into 3

Width 800 mm divided into 4

000	040	/O.F	1001/001	LDDV 007	LDD1/ 070	LDDV VOOT	LDDV VOO
200	240	62,5	LRBK.001	LRBK.037	LRBK.073	LRBK.KOO1	LRBK.KO37
200	240	75 *	LRBK.002	LRBK.038	LRBK.074	LRBK.KOO2	LRBK.KO3
200	240	100	LRBK.003	LRBK.039	LRBK.075	LRBK.K003	LRBK.KO3
200	240	125	LRBK.004	LRBK.040	LRBK.076	LRBK.KOO4	LRBK.KO40
200	240	150	LRBK.005	LRBK.041	LRBK.077		
200	240	200	LRBK.006	LRBK.042	LRBK.078		
300	340	62,5	LRBK.007	LRBK.043	LRBK.079	LRBK.KOO7	LRBK.KO4
300	340	75 *	LRBK.008	LRBK.044	LRBK.080	LRBK.KOO8	LRBK.KO44
300	340	100	LRBK.009	LRBK.045	LRBK.081	LRBK.KOO9	LRBK.KO4
300	340	125	LRBK.010	LRBK.046	LRBK.082	LRBK.K010	LRBK.KO4
300	340	150	LRBK.011	LRBK.047	LRBK.083		
300	340	200	LRBK.012	LRBK.048	LRBK.084		
400	440	62,5	LRBK.013	LRBK.049	LRBK.085	LRBK.K013	LRBK.KO49
400	440	75 *	LRBK.014	LRBK.050	LRBK.086	LRBK.K014	LRBK.KO50
400	440	100	LRBK.015	LRBK.051	LRBK.087	LRBK.K015	LRBK.K05
400	440	125	LRBK.016	LRBK.052	LRBK.088	LRBK.K016	LRBK.K052
400	440	150	LRBK.017	LRBK.053	LRBK.089		
400	440	200	LRBK.018	LRBK.054	LRBK.090		
500	540	62,5	LRBK.019	LRBK.055	LRBK.091	LRBK.K019	LRBK.KO5
500	540	75 *	LRBK.020	LRBK.056	LRBK.092	LRBK.K020	LRBK.K05
500	540	100	LRBK.021	LRBK.057	LRBK.093	LRBK.KO21	LRBK.K057
500	540	125	LRBK.022	LRBK.058	LRBK.094	LRBK.K022	LRBK.K058
500	540	150	LRBK.023	LRBK.059	LRBK.095		
500	540	200	LRBK.024	LRBK.060	LRBK.096		
600	640	62,5	LRBK.025	LRBK.061	LRBK.097		
600	640	75 *	LRBK.026	LRBK.062	LRBK.098	LRBK.KO26	LRBK.KO62
600	640	100	LRBK.027	LRBK.063	LRBK.099	LRBK.KO27	LRBK.KO63
600	640	125	LRBK.028	LRBK.064	LRBK.100	LRBK.KO28	LRBK.KO64
600	640	150	LRBK.029	LRBK.065	LRBK.101		
600	640	200	LRBK.030	LRBK.066	LRBK.102		
800	840	62,5	LRBK.031	LRBK.067	LRBK.103		
800	840	75 *	LRBK.032	LRBK.068	LRBK.104	LRBK.K032	LRBK.KO6
800	840	100	LRBK.033	LRBK.069	LRBK.105	LRBK.K033	LRBK.KO69
800	840	125	LRBK.034	LRBK.070	LRBK.106	LRBK.KO34	LRBK.KO7
800	840	150	LRBK.035	LRBK.071	LRBK.107		
800	840	200	LRBK.036	LRBK.072	LRBK.108		



### Light roller conveyors with galvanised steel conveyor rollers Ø 50 mm

### Light roller conveyors

- · For transporting goods up to approx. 35 kg each.
- The good's base must be even and stable, or can feature lengthwise bars in the direction of transport.
- The roller conveyor must always be wider than the selected goods.
- The smallest goods must rest on at least 3 roller axles at one time. (axle distance  $\times$  3 = minimum length)
- · A number of tracks may be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- · For operation in dry interior areas.
- $\cdot$  The load capacity depends on the track width, roller distances and support intervals.
- · You can plan the conveyors according to your requirements.

Light roller conveyors can be delivered according to your individual local specifications.



	Total	Axle separation	Lane length 1 m	Lane length 2 m	Lane length 3 m	Curve 90°	Curve 45°
Lane width	width	sepuration					

### Frame:

U-profile 20/70/20 x 2 mm steel, galvanised, screwed with cross bars

### Conveyor rollers:

Steel tube, galvanised  $\varnothing$  50 x 1.5 mm, ball bearing mounted, screwed axles  $\varnothing$  8 mm

### Curves:

Inner radius 800 mm

Support rollers continuous or divided into several lateral sections depending on the track width

Width 200 – 300 mm continuous

Width 400 mm divided into 2

Width 500 - 600 mm divided into 3

Width 800 mm divided into 4

200	240	62,5	LRBS.001	LRBS.037	LRBS.073	LRBS.KOO1	LRBS.K037
200	240	75 *	LRBS.002	LRBS.038	LRBS.074	LRBS.K002	LRBS.K038
200	240	100	LRBS.003	LRBS.039	LRBS.075	LRBS.K003	LRBS.KO39
200	240	125	LRBS.004	LRBS.040	LRBS.076	LRBS.K004	LRBS.KO40
200	240	150	LRBS.005	LRBS.041	LRBS.077		
200	240	200	LRBS.006	LRBS.042	LRBS.078		
300	340	62,5	LRBS.007	LRBS.043	LRBS.079	LRBS.KOO7	LRBS.K043
300	340	75 *	LRBS.008	LRBS.044	LRBS.080	LRBS.K008	LRBS.KO44
300	340	100	LRBS.009	LRBS.045	LRBS.081	LRBS.KOO9	LRBS.KO45
300	340	125	LRBS.010	LRBS.046	LRBS.082	LRBS.K010	LRBS.KO46
300	340	150	LRBS.011	LRBS.047	LRBS.083		
300	340	200	LRBS.012	LRBS.048	LRBS.084		
400	440	62,5	LRBS.013	LRBS.049	LRBS.085	LRBS.K013	LRBS.KO49
400	440	75 *	LRBS.014	LRBS.050	LRBS.086	LRBS.K014	LRBS.K050
400	440	100	LRBS.015	LRBS.051	LRBS.087	LRBS.K015	LRBS.KO51
400	440	125	LRBS.016	LRBS.052	LRBS.088	LRBS.K016	LRBS.K052
400	440	150	LRBS.017	LRBS.053	LRBS.089		
400	440	200	LRBS.018	LRBS.054	LRBS.090		
500	540	62,5	LRBS.019	LRBS.055	LRBS.091	LRBS.K019	LRBS.K055
500	540	75 *	LRBS.020	LRBS.056	LRBS.092	LRBS.K020	LRBS.K056
500	540	100	LRBS.021	LRBS.057	LRBS.093	LRBS.KO21	LRBS.K057
500	540	125	LRBS.022	LRBS.058	LRBS.094	LRBS.K022	LRBS.K058
500	540	150	LRBS.023	LRBS.059	LRBS.095		
500	540	200	LRBS.024	LRBS.060	LRBS.096		
600	640	62,5	LRBS.025	LRBS.061	LRBS.097		
600	640	75 *	LRBS.026	LRBS.062	LRBS.098	LRBS.K026	LRBS.K062
600	640	100	LRBS.027	LRBS.063	LRBS.099	LRBS.KO27	LRBS.K063
600	640	125	LRBS.028	LRBS.064	LRBS.100	LRBS.K028	LRBS.K064
600	640	150	LRBS.029	LRBS.065	LRBS.101		
600	640	200	LRBS.030	LRBS.066	LRBS.102		
800	840	62,5	LRBS.031	LRBS.067	LRBS.103		
800	840	75 *	LRBS.032	LRBS.068	LRBS.104	LRBS.K032	LRBS.K068
800	840	100	LRBS.033	LRBS.069	LRBS.105	LRBS.K033	LRBS.K069
800	840	125	LRBS.034	LRBS.070	LRBS.106	LRBS.K034	LRBS.K070
800	840	150	LRBS.035	LRBS.071	LRBS.107		
800	840	200	LRBS.036	LRBS.072	LRBS.108		

### Medium-heavy roller conveyors with galv. steel conveyor rollers Ø 50 mm



### Medium-heavy roller conveyors

- Medium-heavy roller conveyors are the ideal addition to areas where light conveyors would be too weak and heavy duty conveyors oversized.
- The conveyors' support strength is, according to its type (division, width, support intervals) up to 150 kg/m
- · The roller conveyor must always be wider than the selected goods.
- $\cdot$  The smallest goods must rest on at least 3 roller axles at one time. (axle distance  $\times$  3 = minimum length)
- · A number of tracks may be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- The conveyors are combined by means of the supports.
- · For operation in dry interior areas.
- · You can plan the conveyors according to your requirements.
- Medium heavy roller conveyors can be delivered according to your individual local specifications.



Lane width	Total width	Axle separation	Lane length 1 m	Lane length 2 m	Lane length 3 m	Curve 90°	Curve 45°
		mm					

### Frame:

U-profile  $40/80/40 \times 3$  mm steel, galvanised, screwed with crossbars

### Conveyor rollers:

Steel tube, galvanised  $\varnothing$  50 x 1.5 mm, ball bearing mounted, spring axles  $\varnothing$  10 mm

### Curves:

Inner radius 1000 mm

Support rollers continuous or divided into several lateral sections depending on the track width Continuous width of 300 mm

Width 400 – 800 mm divided into 2

Width 900 - 1000 mm divided into 3

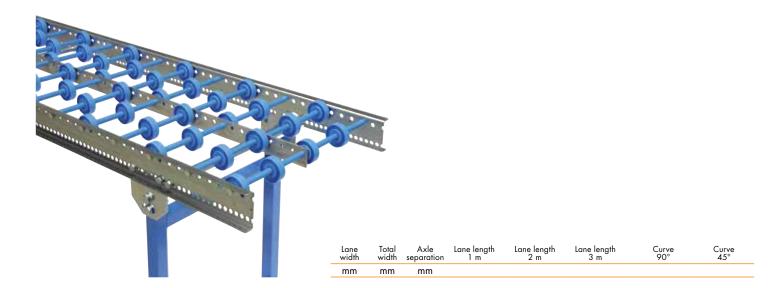
300	380	75*	MR.001	MR.033	MR.065	MR.K001	MR.KO33
300	380	100	MR.002	MR.034	MR.066	MR.KOO2	MR.K034
300	380	125	MR.003	MR.035	MR.067	MR.KOO3	MR.KO35
300	380	150	MR.004	MR.036	MR.068	manooo	mit.ito03
400	480	75*	MR.005	MR.037	MR.069	MR.K005	MR.KO37
400	480	100	MR.006	MR.038	MR.070	MR.K006	MR.KO38
400	480	125	MR.007	MR.039	MR.071	MR.KOO7	MR.K039
400	480	150	MR.008	MR.040	MR.072	Mik.koo/	Mik.koo7
500	580	75*	MR.009	MR.041	MR.073	MR.K009	MR.K041
500	580	100	MR.010	MR.042	MR.074	MR.KO10	MR.K042
500	580	125	MR.011	MR.043	MR.075	MR.KO11	MR.K043
500	580	150	MR.012	MR.044	MR.076	mic.ito i i	mit.ito 10
600	680	75*	MR.013	MR.045	MR.077	MR.K013	MR.K045
600	680	100	MR.014	MR.046	MR.078	MR.KO14	MR.K046
600	680	125	MR.015	MR.047	MR.079	MR.K015	MR.KO47
600	680	150	MR.016	MR.048	MR.080		
700	780	75*	MR.017	MR.049	MR.081	MR.K017	MR.KO49
700	780	100	MR.018	MR.050	MR.082	MR.K018	MR.K050
700	780	125	MR.019	MR.051	MR.083	MR.K019	MR.K051
700	780	150	MR.020	MR.052	MR.084		
800	880	75*	MR.021	MR.053	MR.085	MR.K021	MR.K053
800	880	100	MR.022	MR.054	MR.086	MR.KO22	MR.K054
800	880	125	MR.023	MR.055	MR.087	MR.KO23	MR.K055
800	880	150	MR.024	MR.056	MR.088		
900	980	75*	MR.025	MR.057	MR.089	MR.K025	MR.K057
900	980	100	MR.026	MR.058	MR.090	MR.KO26	MR.K058
900	980	125	MR.027	MR.059	MR.091	MR.KO27	MR.K059
900	980	150	MR.028	MR.060	MR.092		
1000	1080	75*	MR.029	MR.061	MR.093	MR.K029	MR.K061
1000	1080	100	MR.030	MR.062	MR.094	MR.KO30	MR.K062
1000	1080	125	MR.031	MR.063	MR.095	MR.KO31	MR.K063
1000	1080	150	MR.032	MR.064	MR.096		



### Light roller tracks with plastic rollers Ø 48 mm

### Light mini-roller conveyors

- · For transporting goods up to approx. 20 kg each.
- · The base of the goods must be even, closed throughout and stable. The goods must be at least 200 mm wide.
- The mini-roller conveyor must always be wider than the selected goods.
- The smallest goods must rest on at least 3 mini-roller axles at one time. (axle distance x 3 = minimum length)
- · A number of tracks may be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- · For operation in dry interior areas.
- $\cdot$  The load capacity depends on the track width, roller distances and support intervals.
- · You can plan the conveyors according to your requirements.
- Light mini-roller conveyors can be delivered according to your individual local specifications.



### Frame:

U-profile 20/70/20 x 2 mm steel, galvanised, screwed with cross bars

### Rollers:

Plastic rollers, blue  $\varnothing$  48 mm, with ball bearings, screwed axles  $\varnothing$  8 mm

### Roller arrangement:

Width 300 mm – 3 pieces/axle, offset Width 400 mm – 4 pieces/axle, offset Width 500 mm – 5 pieces/axle, offset Width 600 mm – 6 pieces/axle, offset Width 800 mm – 8 pieces/axle, offset

### Curves:

Inner radius 800 mm

300	340	50	LRK.001	LRK.031	LRK.061	LRK.KOO1	LRK.KO31
300	340	75 *	LRK.002	LRK.032	LRK.062	LRK.KOO2	LRK.KO32
300	340	100	LRK.003	LRK.033	LRK.063	LRK.KOO3	LRK.KO33
300	340	125	LRK.004	LRK.034	LRK.064	LRK.KOO4	LRK.KO34
300	340	150	LRK.005	LRK.035	LRK.065		
300	340	200	LRK.006	LRK.036	LRK.066		
400	440	50	LRK.007	LRK.037	LRK.067	LRK.KOO7	LRK.KO37
400	440	75 *	LRK.008	LRK.038	LRK.068	LRK.KOO8	LRK.KO38
400	440	100	LRK.009	LRK.039	LRK.069	LRK.KOO9	LRK.KO39
400	440	125	LRK.010	LRK.040	LRK.070	LRK.K010	LRK.KO40
400	440	150	LRK.011	LRK.041	LRK.071		
400	440	200	LRK.012	LRK.042	LRK.072		
500	540	50	LRK.013	LRK.043	LRK.073	LRK.K013	LRK.KO43
500	540	75 *	LRK.014	LRK.044	LRK.074	LRK.KO14	LRK.KO44
500	540	100	LRK.015	LRK.045	LRK.075	LRK.K015	LRK.KO45
500	540	125	LRK.016	LRK.046	LRK.076	LRK.K016	LRK.KO46
500	540	150	LRK.017	LRK.047	LRK.077		
500	540	200	LRK.018	LRK.048	LRK.078		
600	640	50	LRK.019	LRK.049	LRK.079		
600	640	75 *	LRK.020	LRK.050	LRK.080	LRK.KO20	LRK.KO50
600	640	100	LRK.021	LRK.051	LRK.081	LRK.KO21	LRK.KO51
600	640	125	LRK.022	LRK.052	LRK.082	LRK.KO22	LRK.KO52
600	640	150	LRK.023	LRK.053	LRK.083		
600	640	200	LRK.024	LRK.054	LRK.084		
800	840	50	LRK.025	LRK.055	LRK.085		
800	840	75 *	LRK.026	LRK.056	LRK.086	LRK.KO26	LRK.KO56
800	840	100	LRK.027	LRK.057	LRK.087	LRK.KO27	LRK.K057
800	840	125	LRK.028	LRK.058	LRK.088	LRK.K028	LRK.KO58
800	840	150	LRK.029	LRK.059	LRK.089		
800	840	200	LRK.030	LRK.060	LRK.090		

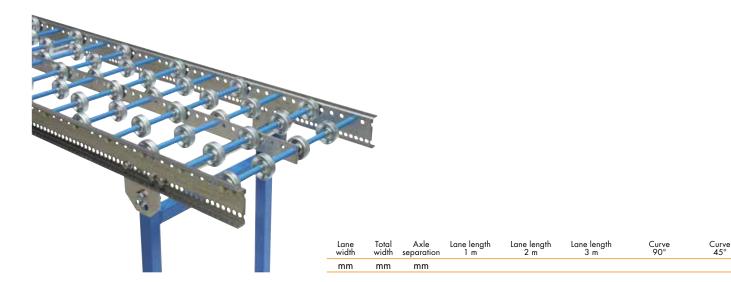
### Light roller tracks with galvanised steel rollers Ø 48 mm



### Light mini-roller conveyors

- · For transporting goods up to approx. 30 kg each.
- The base of the goods must be even, closed throughout and stable. The goods must be at least 200 mm wide.
- The mini-roller conveyor must always be wider than the selected goods.
- The smallest goods must rest on at least 3 mini-roller axles at one time. (axle distance  $\times$  3 = minimum length)
- · A number of tracks may be combined to form longer lengths (special lengths possible).
- The supports intervals should not be more than 2 m. If a number of elements are combined, supports must be positioned beneath the connecting parts.
- · For operation in dry interior areas.
- $\cdot$  The load capacity depends on the track width, roller distances and support intervals.
- · You can plan the conveyors according to your requirements.

Light mini-roller conveyors can be delivered according to your individual local specifications.



### Frame:

U-profile 20/70/20 x 2 mm steel, galvanised, screwed with cross bars

### Rollers:

Steel rollers, galvanised  $\varnothing$  48 mm, with ball bearings, screwed axles  $\varnothing$  8 mm

### Roller arrangement:

Width 300 mm – 3 pieces/axle, offset Width 400 mm – 4 pieces/axle, offset Width 500 mm – 5 pieces/axle, offset Width 600 mm – 6 pieces/axle, offset Width 800 mm – 8 pieces/axle, offset

### Curves:

Inner radius 800 mm

300	340	50	LRS.001	LRS.031	LRS.061	LRS.K001	LRS.KO31
300	340	75 *	LRS.002	LRS.032	LRS.062	LRS.K002	LRS.K032
300	340	100	LRS.003	LRS.033	LRS.063	LRS.K003	LRS.K033
300	340	125	LRS.004	LRS.034	LRS.064	LRS.K004	LRS.K034
300	340	150	LRS.005	LRS.035	LRS.065		
300	340	200	LRS.006	LRS.036	LRS.066		
400	440	50	LRS.007	LRS.037	LRS.067	LRS.K007	LRS.K037
400	440	75 *	LRS.008	LRS.038	LRS.068	LRS.K008	LRS.K038
400	440	100	LRS.009	LRS.039	LRS.069	LRS.K009	LRS.K039
400	440	125	LRS.010	LRS.040	LRS.070	LRS.K010	LRS.KO40
400	440	150	LRS.011	LRS.041	LRS.071		
400	440	200	LRS.012	LRS.042	LRS.072		
500	540	50	LRS.013	LRS.043	LRS.073	LRS.K013	LRS.KO43
500	540	75 *	LRS.014	LRS.044	LRS.074	LRS.K014	LRS.KO44
500	540	100	LRS.015	LRS.045	LRS.075	LRS.K015	LRS.KO45
500	540	125	LRS.016	LRS.046	LRS.076	LRS.K016	LRS.KO46
500	540	150	LRS.017	LRS.047	LRS.077		
500	540	200	LRS.018	LRS.048	LRS.078		
600	640	50	LRS.019	LRS.049	LRS.079		
600	640	75 *	LRS.020	LRS.050	LRS.080	LRS.K020	LRS.K050
600	640	100	LRS.021	LRS.051	LRS.081	LRS.K021	LRS.K051
600	640	125	LRS.022	LRS.052	LRS.082	LRS.K022	LRS.K052
600	640	150	LRS.023	LRS.053	LRS.083		
600	640	200	LRS.024	LRS.054	LRS.084		
800	840	50	LRS.025	LRS.055	LRS.085		
800	840	75 *	LRS.026	LRS.056	LRS.086	LRS.K026	LRS.K056
800	840	100	LRS.027	LRS.057	LRS.087	LRS.K027	LRS.K057
800	840	125	LRS.028	LRS.058	LRS.088	LRS.K028	LRS.K058
800	840	150	LRS.029	LRS.059	LRS.089		
800	840	200	LRS.030	LRS.060	LRS.090		



### All-sided roller tracks with small castors-Ø 48 mm

### Multi-directional mini-roller conveyor

- · Multi-directional mini-roller conveyors are for direction changes in a conveyor section, eg. at workplaces.

- Transported goods need to have flat, hard, stable, clean and dry bases. The goods must be at least 200 mm wide.
   The smallest item must rest on at least 3 mini-rollers. (axle distance x 3 = minimum length)
   Multi-directional mini-roller conveyors are normally operated in combination with light roller and mini-roller conveyors. The construction and load capacity is compatible with these conveyor types.
- · Multi-directional mini-roller conveyors can also be supplied in alternative lengths.



Lane	Total	Axle	Lane length	Lane length	Lane length	Lane length	
width	width	separation	0,5 m	1,0 m	1,5 m	2,0 m	
mm	mm	mm					

U-profile  $20/70/20 \times 2$  mm steel, galvanised, screwed with cross bars

Plastic rollers  $\varnothing$  48 mm, with slide bearings and laterally offset barrel rollers for lateral movement

### Roller arrangement:

Width 300 mm – 3 pieces/axle, offset Width 400 mm – 4 pieces/axle, offset Width 500 mm - 5 pieces/axle, offset Width 600 mm - 6 pieces/axle, offset Width 800 mm - 8 pieces/axle, offset

300	340	50	AR.001	AR.021	AR.041	AR.061
300	340	75 *	AR.002	AR.022	AR.042	AR.062
300	340	100	AR.003	AR.023	AR.043	AR.063
300	340	125	AR.004	AR.024	AR.044	AR.064
400	440	50	AR.005	AR.025	AR.045	AR.065
400	440	75 *	AR.006	AR.026	AR.046	AR.066
400	440	100	AR.007	AR.027	AR.047	AR.067
400	440	125	AR.008	AR.028	AR.048	AR.068
500	540	50	AR.009	AR.029	AR.049	AR.069
500	540	75 *	AR.010	AR.030	AR.050	AR.070
500	540	100	AR.011	AR.031	AR.051	AR.071
500	540	125	AR.012	AR.032	AR.052	AR.072
600	640	50	AR.013	AR.033	AR.053	AR.073
600	640	75 *	AR.014	AR.034	AR.054	AR.074
600	640	100	AR.015	AR.035	AR.055	AR.075
600	640	125	AR.016	AR.036	AR.056	AR.076
800	840	50	AR.017	AR.037	AR.057	AR.077
800	840	75 *	AR.018	AR.038	AR.058	AR.078
800	840	100	AR.019	AR.039	AR.059	AR.079
800	840	125	AR.020	AR.040	AR.060	AR.080

### Ball transfer table with ball Ø 15 mm and 22 mm



### Ball transfer table

- · Ball transfer tables are for direction changes in a conveyor section, or for turning and general moving of packages, eg. at workplaces.

- Transported goods are only supported by the roller balls and need to have flat, hard, stable and clean bases.

  The smallest article must lie on at least 3 of the roller ball lines. (ball distances x 3 = minimum length and width)

  Individual roller balls Ø 15 mm have a load capacity of 50 kg. The ball tables offered here have a package load capacity of up to 40 kg.

  Tables with ball sizes Ø 22 mm can carry heavier loads. Please supply us with the intended weights.
- · Ball transfer tables are generally used in combination with light (mini-)roller conveyors. Design and load capacity are adapted to these track types.
- Ball transfer tables are manufactured to customer specifications and can also be supplied in alternative lengths, widths and ball distances/infervals. Please supply us with your required measurements and load capacities.



Lane width	Total width	Distance between balls	Ø Ball	Table length 0,5 m	Table length 1,0 m
mm	mm	mm	mm		

### Frame:

with ball Ø 15 mm:

U-profile 20/70/20 x 2 mm steel, galvanised

### Table top:

4 mm thick sheet steel table top framed and reinforced with flat steel struts

### Painting:

RAL 5015 blue

### Ball transfer units:

Ball  $\varnothing$  15 mm, load capacity 50 kg \*, galvanised housing, bright steel balls

### Frame:

with ball Ø 22 mm:

U-profile  $40/80/40 \times 3$  mm steel, galvanised

4 mm thick sheet steel table top framed and reinforced with flat steel struts

### Painting:

RAL 5015 blue

### Ball transfer units:

Ball  $\varnothing$  22 mm, load capacity 130 kg \*, galvanised housing, bright steel balls

Ball transfer table - frame U-profile U20/70/20

Dan nansı	ci iubic	mame o p	JOING OLG	,,,,,,		
300	340	50	15		KT15.001	KT15.021
300	340	75	15		KT15.002	KT15.022
300	340	100	15		KT15.003	KT15.023
400	440	50	15		KT15.005	KT15.025
400	440	75	15		KT15.006	KT15.026
400	440	100	15		KT15.007	KT15.027
400	440	125	15		KT15.008	KT15.028
500	540	50	15		KT15.009	KT15.029
500	540	75	15		KT15.010	KT15.030
500	540	100	15		KT15.011	KT15.031
500	540	125	15		KT15.012	KT15.032
600	640	50	15		KT15.013	KT15.033
600	640	75	15		KT15.014	KT15.034
600	640	100	15		KT15.015	KT15.035
600	640	125	15		KT15.016	KT15.036
800	840	50	15		KT15.017	KT15.037
800	840	75	15		KT15.018	KT15.038
800	840	100	15		KT15.019	KT15.039
200	01/0	125	15		VT15 020	VT15 040

Bal	l transf	er tab	le – f	rame	U-profile	U40/80/4	0

300	380	50	22		KT22.001	KT22.021
300	380	75	22		KT22.002	KT22.022
300	380	100	22		KT22.003	KT22.023
400	480	50	22		KT22.005	KT22.025
400	480	75	22		KT22.006	KT22.026
400	480	100	22		KT22.007	KT22.027
400	480	125	22		KT22.008	KT22.028
500	580	50	22		KT22.009	KT22.029
500	580	75	22		KT22.010	KT22.030
500	580	100	22		KT22.011	KT22.031
500	580	125	22		KT22.012	KT22.032
600	680	50	22		KT22.013	KT22.033
600	680	75	22		KT22.014	KT22.034
600	680	100	22		KT22.015	KT22.035
600	680	125	22		KT22.016	KT22.036
800	880	50	22		KT22.017	KT22.037
800	880	75	22		KT22.018	KT22.038
800	880	100	22		KT22.019	KT22.039
800	880	125	22		KT22.020	KT22.040

Note: The details of the load capacities refer to the loose ball transfer units. Please specify the required load capacity for the complete table in your request.



### Slider belt conveyor for weights up to 15 kg/m

### Sliding belt conveyor

· Belt conveyor for transporting light goods with max. weights of 15 kg/m.

The actual estimated conveyor support capacity depends on the belt width and track length.
Sliding belt conveyors can be designed as up or downhill conveyors in order to reach high or lower lying work areas.
A large number of differing types of belts allows individual matching to the intended goods.

### Note: please always state conveyor belts. Please inform us:

- · type, properties and weight of conveyed goods and operational conditions · Transport speed (standard: 0,3 m/sec constant)
- · Assembly height (supports are accessories)
- · electr. elements are also accessories. The basic version only includes the drive motor.



Length	Need of	Belt width				
	support	100 mm	150 mm	200 mm	250 mm	300 mm
mm	pc.					

### Frame:

Stainless steel sheet, folded

### Conveyor belt:

single-layer polyester fabric belt with PVC cover

### Drive:

Three-phase gear motor 230/400 V 50Hz, IP 54, on the left in conveying direction, with roller chain on drive drum Ø 55 mm

### Conveyor speed:

V = 0.3 m / sec (standard),one conveying direction, other speeds are possible also optionally adjustable (accessory)

### Support:

Steel square tube construction Paint RAL 5015 blue

Supports must be ordered separately

### Slider belt conveyor

	,					
1000	2	GF15.001	GF15.006	GF15.011	GF15.016	GF15.021
2000	2	GF15.002	GF15.007	GF15.012	GF15.017	GF15.022
3000	3	GF15.003	GF15.008	GF15.013	GF15.018	GF15.023
4000	3	GF15.004	GF15.009	GF15.014	GF15.019	GF15.024
5000	4			GF15.015	GF15.020	GF15.025

Other lengths (including intermediate lengths) on request

Height incl. conveyor	adjustable	lane width 100 mm	150 mm	200 mm	250 mm	300 mm	
mm	mm						_

### Accessories on request:

- · Motor protection switch with on/off switch (factory installed)
- · Connection cable (5 m) with plug (already installed)
- Finger protection roller at the end of the belt Frequency control of the conveyor speed
- · Side guides (different types)

### Supports for sliding belt conveyors

400 / 50					
400 +/- 50	GST15.001	GST15.007	GST15.013	GST15.019	GST15.025
500 +/- 50	GST15.002	GST15.008	GST15.014	GST15.020	GST15.026
600 +/- 50	GST15.003	GST15.009	GST15.015	GST15.021	GST15.027
700 +/- 50	GST15.004	GST15.010	GST15.016	GST15.022	GST15.028
800 +/- 50	GST15.005	GST15.011	GST15.017	GST15.023	GST15.029
900 +/- 50	GST15.006	GST15.012	GST15.018	GST15.024	GST15.030

other heights on request

### Accessories for small and light roller conveyors



Model



**Lateral guides** Galvanised C-form 28 mm wide on stop bars, up to 100 mm height-adjustable

5.10 5.1252 ( 55: 755 55.5125)									
	1 m	1, 5 m	2 m	3 m	for curves of 90°	for curves of 45°			
	ZKS.101	ZKS.102	ZKS.103	ZKS.104	ZKS.002	ZKS.003			
on both sides									
	1 m	1, 5 m	2 m	3 m	for curves of 90°	for curves of 45°			
	ZKS.105	ZKS.106	ZKS.107	ZKS.108	ZKS.005	ZKS.006			



### Lateral guides

Galvanised U-form,  $20/70/20 \times 2 \text{ mm}$ , guide height: 60 mm with support roller-Ø 50 mm

### one-sided (with curves outside)

	5.10 5.10 1 (v.m. 55. v. 55. 55.11 5)								
	1 m	1, 5 m	2 m	3 m	for curves of 90°	for curves of 45°			
	ZKS.109	ZKS.110	ZKS.111	ZKS.112	ZKS.008	ZKS.009			
on both sides									
	1 m	1, 5 m	2 m	3 m	for curves of 90°	for curves of 45°			
	ZKS.113	ZKS.114	ZKS.115	ZKS.116	ZKS.011	ZKS.012			



### **Profile cover**

Plastic profile, black

Must be assembled on site and adjusted to length if necessary

### one-sided (with curves outside)

	1 m	1, 5 m	2 m	3 m				
	ZA.101	ZA.102	ZA.103	ZA.104				
on both sides								
	1 m	1, 5 m	2 m	3 m				
	ZA.201	ZA.202	ZA.203	ZA.204				



### **End stop**

Galvanised steel sheet screwed at track end

Lane width	200 mm	300 mm	400 mm	500 mm	600 mm	800 mm
	ZE.001	ZE.002	ZE.003	ZE.004	ZE.005	ZE.006



### **Supports**

- · for local fixed assembly
- · square pipe construction, telescopically extractable insert feet
- $\cdot$  inclinable swivel joint for setting the track angle
- · Laquering · RAL 5015 blue

### Overall

height	for lane width					
mm	200 mm	300 mm	400 mm	500 mm	600 mm	800 mm
275 - 340	ZKST.101	ZKST.107	ZKST.113	ZKST.119	ZKST.125	ZKST.131
330 - 395	ZKST.102	ZKST.108	ZKST.114	ZKST.120	ZKST.126	ZKST.132
390 - 570	ZKST.103	ZKST.109	ZKST.115	ZKST.121	ZKST.127	ZKST.133
550 - 850	ZKST.104	ZKST.110	ZKST.116	ZKST.122	ZKST.128	ZKST.134
680 - 1100	ZKST.105	ZKST.111	ZKST.117	ZKST.123	ZKST.129	ZKST.135
870 - 1350	ZKST.106	ZKST.112	ZKST.118	ZKST.124	ZKST.130	ZKST.136



### Accessories for medium-duty roller conveyors

Model



### Lateral guides

Galvanised U-form, 40/80/40 x 3 mm guide height: 75 mm with support rollers 50 mm



	1 m	2 m	3 m	for curves of 90°	for curves of 45°
	ZMRS.101	ZMRS.102	ZMRS.103	ZMRS.002	ZMRS.003
on both sides					
	1 m	2 m	3 m	for curves of 90°	for curves of 45°
	ZMRS.104	ZMRS.105	ZMRS.106	ZMRS.005	ZMRS.006



### End stop

Galvanised steel sheet screwed at track end

Lane width	300 mm	400 mm	500 mm	600 mm	700 mm	800 mm	900 mm	1000 mm
	7MRF 001	7MRF 002	7MRF 003	7MRF 004	7MRF 005	7MRF 006	7MRF 007	7MRF 008



### Support

- $\cdot$  for local fixed assembly
- Square pipe (40 x 40 x 2 mm), telescopically extractable insert feet
- · inclinable swivel joint for setting the track angle
- · Lacquering RAL 5015 blue

Overall height	for lane w	ridth						
mm	300 mm	400 mm	500 mm	600 mm	700 mm	800 mm	900 mm	1000 mm
275 - 340	ZMRST.101	ZMRST.107	ZMRST.113	ZMRST.119	ZMRST.125	ZMRST.131	ZMRST.137	ZMRST.143
330 - 395	ZMRST.102	ZMRST.108	ZMRST.114	ZMRST.120	ZMRST.126	ZMRST.132	ZMRST.138	ZMRST.144
390 - 570	ZMRST.103	ZMRST.109	ZMRST.115	ZMRST.121	ZMRST.127	ZMRST.133	ZMRST.139	ZMRST.145
550 - 850	ZMRST.104	ZMRST.110	ZMRST.116	ZMRST.122	ZMRST.128	ZMRST.134	ZMRST.140	ZMRST.146
680 - 1100	ZMRST.105	ZMRST.111	ZMRST.117	ZMRST.123	ZMRST.129	ZMRST.135	ZMRST.141	ZMRST.147
870 - 1350	ZMRST.106	ZMRST.112	ZMRST.118	ZMRST.124	ZMRST.130	ZMRST.136	ZMRST.142	ZMRST.148

# CAN BEAR EXTREMELY HEAVY LOADS

Transport aids offer important support for any transport. Practical aids are used wherever bulky and heavy objects have to be transported. Easy to handle and functional, they tackle transport straightforwardly and save energy. A wide variety of industries use all-purpose castors, trolleys or transport rollers and lifters to move bulky items quickly and safely.

The panel clamping trolley is used for flat goods. Blankets and mats are used to protect sensitive goods and surfaces. All transport aids have one thing in common: they are highly portable and ready for immediate use to offer significant help during renovations and removals.





# TRANSPORT AIDS

TRANSPORT ROLLER LIFTERS ALL-PURPOSE ROLLER CLAMP PANEL ROLLER PACKING BLANKETS INDUSTRY PROTECTIVE MATS FOR TRADE **PROFESSIONALS** LOGISTICS IOINERS EXHIBITION STAND CONSTRUCTION SHOPFITTING **GLAZIERS** WINDOW AND DOOR CONSTRUCTION STONECUTTERS INTRALOGISTICS **DELIVERY LOGISTICS** REMOVALS **TRADES** RENOVATION STORAGE



# PACKING BLANKETS MAKE ANY TRANSPORT SAFE

Packing blankets, removals or furniture blankets offer ideal protection and intermediate padding for any transport or removal, especially for professional moving companies. The protective covers are ideal for fragile goods such as mirrors or paintings, furniture with sensitive surfaces or instruments such as pianos. They are also suitable for storage, transport by car and storage in a basement or attic. The reusable blankets are environmentally friendly because they are made from recycled material.

Size	1	PU/pc.	
mm	gr/qm		

### **Packing blanket**



1500x2000	330	25	BERLIN
2500x1500	220	25	KIEL.SO



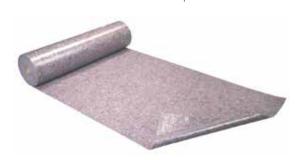


### Protective mats for professionals

Size	1	PU/pc.
m	gr/qm	

10x1	180	12		HWM.180-10
25x1	180	4		HWM.180-25
50x1	180	2		HWM.180-50
10x1	220	12		HANDW.MATTE.10
25x1	220	4		HANDWERKERMATTE
50x1	220	2		HANDW.MATTE.50
25x1	280	4		HWM.280-25
50x1	280	2		HWM.280-50

# **Craftsman's Mat** non-slip sheeting, approx. 40 μ, with protective membrane



25x1	160	4	HWM.W.160-25



### Craftsman's mat

White Top side PE film, bottom side polyester fleece with water soluble adhesive







Fleece cover for protection during all manual work. The tear-resistant, soft textile fleece is fitted with an anti-slip film on the underside and not only cushions but also protects against dust, solids and liquids such as paint or wallpaper paste. The mats offer excellent protection for floors, stairs, window sills, railings and much more

### Bearing aids





### **Plastic stacking corners**







PU/pc.	
20	ST.Ecke.K.V20
40	ST.Ecke.K.V40
144	ST.Ecke.K.V144

Any pallet or wooden stacking frame can be make stackable by simply clamping on the plastic stacking corners made of high-quality, impact-resistant polyethylene (PE). Several units can also be stacked on top of one another. Stable external ribs and internal fasteners ensure a good fit and durability. Standard colour yellow, available in other RAL colours.

### Metal stacking corners







20	ST.Ecke.M.V20
40	ST.Ecke.M.V40
144	ST.Ecke.M.V144

PU/pc.

With the corrosion-resistant galvanised corners made of folded sheet steel, several pallets or wooden stacking frames can be stacked particularly securely on top of one another – even outdoors. The metal stacking corners are fastened to the frame with screws to prevent loss. Preformed lead-in chamfers make it easier to affix, provide a secure hold and greater safety for loads that may be subject to lateral thrust forces.

### Metal anti-slip corners







10 (je 10 x right/left)	Sch.Ecke.SetV10
30 (je 30 x right/left)	Sch.Ecke.SetV30
60 (ie 60 x right/left)	Sch.Ecke.SetV60

PU/pc

Anti-slip corners made of galvanised sheet steel prevent cardboard boxes or containers on Euro pallets from slipping or falling. They are clamped and screwed in place, thus improving warehouse safety. In addition, you can entirely or partly do without wrapping film. In automatic warehouses, non-reusable one-way or plastic pallets can be placed on Euro pallets securely and without repacking and transferred to the warehouse. Also available for other types of pallets.

### Cardboard box clamp



Standard colour yellow, available in other RAL colours. Optionally with pad printing.



Clamp cardboard flaps shut



Stack open cardboard boxes



Stack closed boxes without adhesive tape

PU/pc.	
20	K.Klammer.V20
100	K.Klammer.V100
200	K.Klammer.V200

The practical cardboard box aid made of impact-resistant polyethylene (PE) with three functions in one:

- The clamp makes it easier to fill and empty cardboard boxes because it holds the cardboard flaps open, so they don't interfere with work.
- With the cardboard flaps clamped, the opened cardboard boxes can be stacked straight on top of each other.
- 3. With the clamps, the boxes can be closed/held shut in an environmentally friendly way without adhesive tape and stacked as desired.



### Transport roller and lifter







 Thermoplastic wheel

 100
 612x417
 250
 170
 2/4
 T.ROLLER.1B



**Transport dolly blue**For boxes 60 x 40 cm
with grey thermoplastic
castors

Thermoplas	itic wheel				
100	612x417	250	170	2/4	TROLLER.1G



**Transport dolly grey**For boxes 60 x 40 cm with grey thermoplastic castors

Thermoplas	itic wheel						
100	612x417	250	170	2/4		TROLLER.1R	



**Transport dolly red**For boxes 60 x 40 cm with grey thermoplastic castors

150			Lifter



**Lifter**made of steel,
powder-coated,
with 4 plastic castors,
hard

26	103x78	150/set	31	Transportrolle
26	103x78	150/set	31	Transportroll



Lift transport goods with the lifter lever and position the roller



**Transport roller** made of plastic, with 8 plastic castors, hard, locating face turnable, 4 pcs. in set

### All-purpose castor





150 kg

0	Plate size	1	<u> </u>	PU/pc.
mm	mm	kg	mm	

### All-purpose dollies

High quality wood surface, lacquered, recessed grips



### Plastic wheel

75	350x600	150	112	8	AROLLER.35	50

### All-purpose dolly, linkable

Plastic with polyurethane castors in blue



Thermoplas	stic wheel					NEW
75	600x400	150	123	2		AROLLER.950



The modular all-purpose castor for larger objects that need a firm footing or transport goods that require a larger support surface.



Individually expandable









Thermoplas	stic wheel					NEW
75	290x580	200	113	8		AROLLER.085



# **All-purpose dollie**MDF, coated with grey thermoplastic castors

r	las	tic	W	hee	ı

100	300x600	350	140	2/4	AROLLER.100
100	350x600	500	145	2/4	AROLLER.300
125	500x600	600	165	2	AROLLER.500

Available alternative: Covering colour selection



### All-purpose dollies

made of 7 – 9 layered plywood with dimpled non-slip

grey coating

Rub	ber	wh	ieel
-----	-----	----	------

100	300x600	250	140	2/4		AROLLER.200
100	350x600	250	145	2/4		AROLLER.400
125	500x600	350	165	2		AROLLER.600
125	600x800	350	165			AROLLER.700

Available alternative: Covering colour selection



### All-purpose dollies

made of 7 – 9 times glued laminated multiplex-plywood with dimpled non-slip

coating in grey

## Speedpacker ...

### red, rapid, quiet and without a trace.

$\bigcirc$	Plate size	1	$\overline{U}$	PU/pc.
mm	mm	kg	mm	

### All-purpose dollies

made of 7-9 times glued laminated multiplex-plywood with dimpled non-slip

coating in red

### Thermoplastic wheel

Available alternative: Covering colour selection



- · High quality TPE castors
- · With low rolling resistance
- · Very comfortable to drive
- · Non-marking
- · Pleasantly quiet when running



### Transport aids





# The ideal aid for transporting heavier items and unwieldy objects



2-wheel foldable transporting truck

0	Size of shovel	3	Size unfolded	Size folded	Material of the shovel	
mm	mm	kg	mm	mm		

125	395x281	70	1000x395x415	635x395x52	Aluminium	TPK.070
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Foldable transport truck

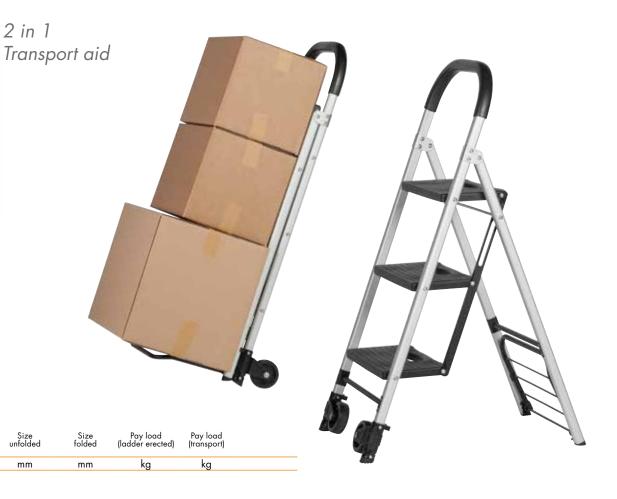
<b>(</b>	Size of shovel	1	Size unfolded	Size folded	Material of the shovel	
mm	mm	kg	mm	mm		
100	395x281	60	1020x390x490	650x590x115	Aluminium	TRT.060







Mobile multi-purpose folding steps



100 1265 770 735x470x1190 90x480x1265 150 90 MLK.	100
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(O)

mm

 $\mathsf{m}\mathsf{m}$ 

Highest level

mm

Space-saving in vehicle

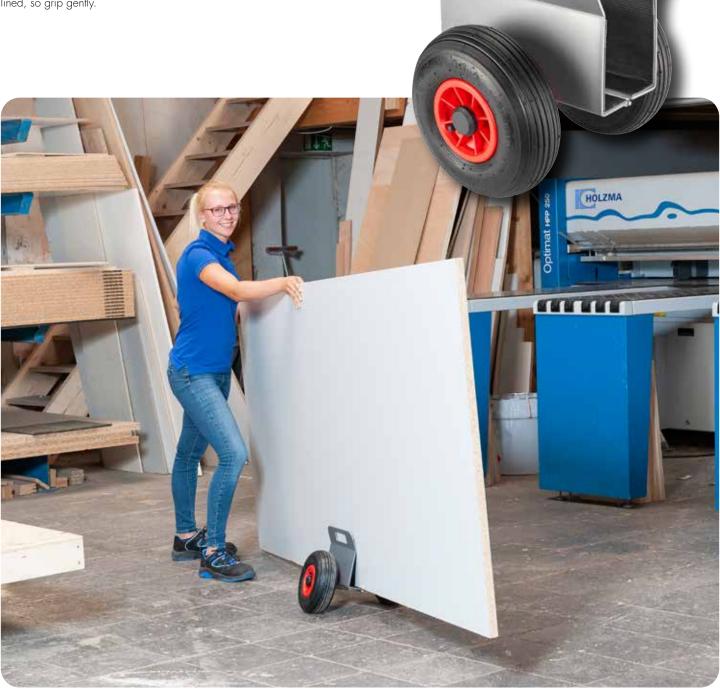




# FOR TRANSPORTING FLAT GOODS

Transports bulky and heavy panels. Where normally two people are needed, one person can now easily move flat goods.

The weight of the transport good itself makes the clamp panel roller grip onto even bulky items securely. The two clamping jaws are connected by a hinge. When the roller is loaded, the weight of the goods presses on the hinge and the jaws close automatically. The clamping jaws are rubber lined, so grip gently.









260

260



120 – 500 kg





Clamp panel rollers, Type 2 and 3 with polyurethane wheels

- · powder-coated
- · rubber insert



200	0-110	500			PLATTENWAGEN.2P
200	70-160	500			PLATTENWAGEN 3P



### Clamp panel rollers, Type 2 and 3 with plastic wheels

- · powder-coated
- · rubber insert

200	0-110	200			PLATTENWAGEN.2G
200	70-160	200			PLATTENWAGEN.3G



### Clamp panel rollers, Type 1 and 3 with rubber wheels

- · powder-coated
- · rubber insert

260	0-110	170			PLATTENWAGEN.2L
260	70-160	170			PLATTENWAGEN.3L



### Clamp panel rollers, Type 1 and 3 with pneumatic wheels

- · powder-coated
- · rubber insert



Due to its compact dimensions, the clamp panel roller can simply be stowed away and is highly portable



	Page in catalogue		Page in catalogue		Page in catalogue
0.01/0.05 0.5 0.0	50	+ (00 C10 050	100	200 100	51
00K085-85-20	50	A620.C10.050	138	B22.100	51
360.001 - 003	192	A621.C10.035	138	B24.100	51
405.000 - 003	191	A621.C10.050	138	B26.080 - 200	52
406.000 - 003	191	A65.048 - 49	48	B27.100 - 200	52
410.000 - 004	192	A70.130 - 210	45	B28.100 - 200	52
411.000 - 004	192	A73.050 - 075	45	B31.080 - 200	52
412.001 - 004	192	A75.146 - 165	45	B32.080 - 200	52
415.000 - 004	191	A76.063 - 125	45	B36.080 - 200	52
416.000 - 004	191	A78.060 - 125	71	B40.080 - 403	53
417.000 - 004	192	A79.080 - 106	<i>7</i> 1	B43.081 - 251	55
418.000 - 004	192	A80.025 - 151	46	B44.081 - 251	55
421.000 - 004	193	A80.050.SO	48	B44.081.F002 - 201.F002	56
422.000 - 004	193	A80.050.SO.MG	48	B44.081.F002 - 201.F003	56
423.000 - 004	193	A800.073.050 - 075	89	B44.081.F002 - 201.F004	56
424.000 - 004	193	A800.A85.050.03 - 075.03	96	B44.081.F002 - 201.F005	56
AROLLER.085	235	A800.A85.050.04 - 075.03	96	B454.080 - 250	53
AROLLER.100 - 500	235	A800.A85.050.05 - 075.03	96	B46.080 - 200	53
AROLLER.200 - 700	235	A801.A85.050.03 - 075.03	97	B50.200	53
AROLLER.350	234	A801.A85.050.04 - 075.04	97	B55.080 - 400	54
AROLLER.850	235	A801.A85.050.04 - 075.04	97	B56.080 - 200	54
AROLLER.950	234	A810.A85.050.03 - 075.03	96	B58.080 - 200	54
A15.060- 140	44	A810.A85.050.04 - 075.03	96	B60.100 - 200	57
A200.080.050 - 080	75 75	A810.A85.050.05 - 075.03	96	B61.080 - 200	57
A210.080.050 - 080	75	A820.073.050 - 075	89	B62.081 - 201	57
A220.080.050 - 080	75	A820.A85.050.03 - 075.03	96	B80.100 - 300	57
A25.060 - 140	44	A820.A85.050.04 - 075.03	96	B81.100 - 401	58
A30.040 - 090	44	A820.A85.050.05 - 075.03	96	B83.100 - 200	57
A300.073.050 - 075	89	A821.A85.050.03 - 075.03	97	B90.080 - 251	59
A300.A80.050 - 100	98	A821.A85.050.04 - 075.04	97	B91.100 - 200	59
A300.A85.050 - 100	98	A821.A85.050.04 - 075.04	97	B92.080 - 250	59
A300.A89.050 - 100	98	A85.051 - 151	46	BERLIN	230
A300.A90.050 - 100	98	A85.051.F003 - 076.F003	46	C10.035 - 050	60
A301.A80.050 - 100	99	A85.051.F004 - 076.F004	46	C10.081 - 406	58
A301.A85.050 - 100	99	A85.051.F005 - 076.F005	46	C100.A80.081 - 151	104
A301.A89.050 - 100	99	A85.084 - 252	55	C100.A81.100 - 125	108
A301.A90.050 - 100	99	A86.100 - 151	47	C100.A82.100 - 125	108
A304.A80.050 - 100	100	A88.125 - 250	47	C100.A85.081 - 151	104
A304.A85.050 - 100	100	A89.050 - 126	47	C100.A86.125	104
A304.A89.050 - 100	100	A90.025 - 100	49	C100.A89.081 - 151	104
A304.A90.050 - 100	100	A90.058 - 206	49	C101.A80.081 - 151	105
A310.A80.050 - 100	98	Achsmat.C.B020 - B025	67	C101.A81.100 - 125	109
A310.A85.050 - 100	98	Achsmat.F.B020 - B025	67	C101.A82.100 - 125	109
	98		67		105
A310.A89.050 - 100 A310.A90.050 - 100		Achsmat.H.B020 - B025		C101.A85.081 - 151	
	98	ALZ	146	C101.A89.080 - 150	105
A320.073.050 - 075	89	ALZ.K	146	C102.A80.100 - 151	106
A320.A80.050 - 100	98	AR.001 - 080	223	C102.A81.100 - 125	111
A320.A85.050 - 100	98	B10.065 - 251	49	C102.A82.100 - 125	111
A320.A89.050 - 100	98	B100.A80.050 - 075	102	C102.A85.081 - 151	106
A320.A90.050 - 100	98	B100.A85.050 - 075	102	C102.A89.080 - 150	106
A321.A80.050 - 100	99	B100.A89.050 - 075	102	C104.A80.100 - 151	107
A321.A85.050 - 100	99	B100.A90.050 - 075	102	C104.A81.100 - 125	110
A321.A89.050 - 100	99	B101.A80.050 - 075	103	C104.A82.100 - 125	110
A321.A90.050 - 100	99	B101.A85.050 - 075	103	C104.A85.081 - 151	107
A324.A80.050 - 100	100	B101.A89.050 - 075	103	C104.A89.080 - 150	107
A324.A85.050 - 100	100	B101.A90.050 - 075	103	C11.100 - 300	58
A324.A89.050 - 100	100	B120.A80.050 - 075	102	C110.A80.081 - 151	104
A324.A90.050 - 100	100	B120.A85.050 - 075	102	C110.A85.081 - 151	104
A35.040 - 079	44	B120.A89.050 - 075	102	C110.A86.125	104
A50.040 - 150	45	B120.A90.050 - 075	102	C110.A89.081 - 151	104
A59.050 - 080	48	B121.A80.050 - 075	103	C120.A80.081 - 151	104
A60.048	48	B121.A85.050 - 075	103	C120.A80.081 - 131	104
A600.C10.035	138	B121.A89.050 - 075	103	C120.A81.100 - 125	108
A600.C10.050	138	B121.A90.050 - 075	103	C120.A85.081 - 151	104
A601.C10.035	138	B14.100 - 200	49	C120.A86.125	104
A601.C10.050	138	B15.075	60	C120.A89.081 - 151	104
A610.C10.035	138	B15.083 - 300	50	C121.A80.081 - 151	105
A620.C10.035	138	B16.100 - 402	50	C121.A81.100 - 125	109



	Page in catalogue		Page in catalogue		Page in catalogue
C121.A82.100 - 125	109	E31.013 - 024	187	F85.040.G08	77
C121.A85.081 - 151	105	E31.080 - 081	160	F85.040.PL - 050.PL	76
C121.A89.080 - 150	105	E32.015 - 045	188	F85.050.G08 - G10	77
C122.A80.100 - 151 C122.A81.100 - 125	106 111	E33.015 - 045 E34.015 - 030	188 188	F86.040.G08 F86.040.PL - 050.PL	77 76
C122.A81.100 - 125	111	E35.016 - 024	187	F86.050.G08 - G10	76
C122.A85.081 - 151	106	E36.015 - 030	188	F87.035 - 050	92
C122.A89.080 - 150	106	E37.019 - 040	189	G10.050/G45.010 - 11	77
C124.A80.100 - 151	107	E38.019 - 025	189	G100.A80.051 - 126	112
C124.A81.100 - 125	110	E39.019 - 040	189	G100.A90.051 - 120	112
C124.A82.100 - 125	110	E45	74	G101.A80.051 - 126	113
C124.A85.081 - 151	107	E50.015 - 050	<i>7</i> 4	G101.A90.051 - 120	113
C124.A89.080 - 150 C130.A81.100 - 125	107 108	E51.025 - 050 F25.025 - 051	74 74	G110.A80.051 - 126 G110.A90.051 - 120	112 112
C130.A82.100 - 125	108	F26.025 - 051	74	G120.A80.051 - 126	112
C200.A80.060 - 151	104	F26.050.SO	160	G120.A90.051 - 120	112
C201.A80.060	105	F27.050.SO	160	G121.A80.051 - 126	113
C210.A80.060 - 151	104	F310.075 - 076	82	G121.A90.051 - 120	113
C220.A80.060 - 151	104	F311.075 - 076	82	G15.050/G45.010 - 11	77
C221.A80.060	105	F312.075 - 076	82	G85.052 - 65	93
C40.75.20 - 20A C40.80.20 - 20D	60	F313.075 - 076 F314.075 - 076	83	G85.120 G86.120	92 92
C40.80.20 - 20D C40.82.20A - 20K	60	F315.075 - 076	83	G87.052 - 065	93
C40.85.17C	60	F320.075 - 076	84	G92.22.1 - 2	93
C40.85.20 - 200	60	F321.075 - 076	84	G93.22.1 - 2	93
C40/82/70/73/20	60	F322.075 - 076	84	GF15.001 - GF15.025	225
C42.80.20A - 20B	60	F323.075 - 076	85	GSP.38-1000	153
C42.82.20A - 20C	60	F324.075 - 076	85	GSP.38-600	153
C42.85.20A	60	F325.075 - 076	85	GSP.38-800	153
C45.39 - 82 C45.82.20 - 25	60	F328.040 - 076 F329.060 - 076	79 79	GST15.001 - 0030 H100.A90.080 - 200	225 114
C45.82.20B	60	F330.060 - 075	79	H100.B22.100	118
C45.85.20A - 20B	60	F331.060 - 075	79	H100.B24.100	118
C45.85.25	60	F340.075 - 076	78	H100.B24.100	118
C45/82/70/73/20	60	F341.075 - 076	78	H100.B26.080 - 200	114
C65.50 - 201	61	F342.075 - 076	78	H100.B32.080 - 200	114
C81.102 - 250 C90.201 -405	61	F343.075 - 076	78	H100.B43.080 - 200	114
C90.201 -405 C91.200 - 405	64	F350.060 - 076 F351.060 - 076	88	H101.A90.080 - 200 H101.B26.080 - 200	115
C91.262 - 400	66	F352.060 - 076	88	H101.B32.080 - 200	115
C95.261 - 402	64	F353.060 - 076	88	H101.B43.080 - 200	115
C96.300	64	F360.060	81	H110.A90.080 - 200	114
C97.410 - 460	64	F361.060	81	H110.B22.100	118
CONTAINERPL6 -7	92	F362.060 - 075	81	H110.B26.080 - 200	114
D10.200 - 401	65	F363.060 - 075	81	H110.B32.080 - 200	114
D15.185 - 401 D16.260 - 400	65	F370.060 - 076 F371.060 - 076	87 87	H110.B43.080 - 200 H120.A90.080 - 200	114 114
D16.261	66	F372.060 - 076	87	H120.B22.100	118
D20.150	64	F373.060 - 076	87	H120.B26.080 - 200	114
D20.151	65	F380.060 - 076	86	H120.B32.080 - 200	114
D30.402 - 403	66	F381.060 - 076	86	H120.B43.080 - 200	114
D50.200 - 403	65	F382.060 - 076	86	H121.A90.080 - 200	115
D55.150 - 400	65	F383.060 - 076	86	H121.B26.080 - 200	115
D60.800 D65.800	68 68	F390.038 F391.038	80	H121.B32.080 - 200 H121.B43.080 - 200	115 115
D66.012 - 025	68	F392.038	80	HANDW.MATTE.10	231
D67.012 - 025	68	F393.038	80	HANDW.Matte.50	231
D75.012 - 020	68	F50.040 - 050	75	HANDWERKERMATTE	231
D80.057 - 175	91	F60.040 - 050	75	HS100.A90.100 - 201	117
D80.115 - 138	91	F73.025 - 026	<del>76</del>	HS100.B14.100 - 201	116
D81.306	90	F75.040.G08	77	HS100.B28.100 - 201	116
D82.306 D84.330 - 450	90	F75.040.PL - 050.PL F75.050.G08 - G10	76 77	HS100.B28.100 - 201 HS110.A90.100 - 201	11 <i>7</i> 11 <i>7</i>
D84.330 - 450 D85.162 - 302	90	F76.040.G08	77	HS110.B14.100 - 201	117
E30.050	161	F76.040.PL - 050.PL	76	HS110.B27.100 - 201	117
E30.051	161	F76.050.G08 - G10	77	HS110.B28.100 - 201	116
E30.080 - 081	160	F77.035 - 050	92	HS120.A90.100 - 201	117



	Page in catalogue		Page in catalogue		Page in catalogue
HS120.B14.100 - 201	116	L400.B55.081 - 280	124	L420.B56.081 - 280	124
HS120.B27.100 - 201 HS120.B28.100 - 201	11 <i>7</i> 116	L400.B56.081 - 280 L400.B58.081 - 280	124 124	L420.B58.081 - 280	124 132
HWM.180-10 - 50	231	L400.B58.081 - 280 L400.B60.100 - 200	132	L420.B60.100 - 200 L420.B61.160 - 200	132
HWM.280-25 - 50	231	L400.B61.160 - 200	132	L420.B62.081 - 201	132
HWM.W.160-25	231	L400.B62.081 - 201	132	L420.B80.100 - 251	133
K.Klammer.V20 - V200	232	L400.B80.100 - 251	133	L420.B83.100 - 200	133
KIEL.SO	230	L400.B83.100 - 200	133	L420.B90.080 - 202	136
KRT20.001 - 048	216	L400.B90.080 - 202	136	L420.B91.100 - 200	136
KRT20.K001 - K031	216	L400.B91.100 - 200	136	L420.B92.080 - 250	135
KRT30.001 - 060	217	L400.B92.080 - 250	135	L420.C10.080 - 202	136
KRT30.K001 - K039	217	L400.C10.080 - 202	136	L420.C11.150 - 200	136
KT15.001 - 040	224	L400.C11.150 - 200	136	L420.C90.200 - 261	137
KT22.001 - 040	224	L400.C90.200 - 261	137	L420.C91.200 - 262	137
L101.A85.082 - 202	131	L400.C91.200 - 262	137	L420.D16.260	137
L101.B10.080 - 200	123	L400.D16.260	137	L440.B10.150 - 200	142
L101.B31.080 - 200	123	L410.A85.082 - 250	130	L440.B15.151 - 201	142
L101.B36.080 - 200	123	L410.A90.058	122	L440.B36.150 - 200	142
L101.B40.080 - 200	127	L410.B10.080 - 250	122	L440.B44.161 - 201	142
L101.B43.081 - 201	131	L410.B15.081 - 201	122	L440.B55.161 - 201	142
L101.B44.081 - 201	131	L410.B22.100	119	L440.B60.160 - 200	142
L101.B45.080 - 200	127 127	L410.B24.100 L410.B31.080 - 200	119 122	L440.B62.160 - 200	142 142
L101.B46.080 - 200 L101.B55.080 - 200	125	L410.B36.080 - 200	122	L440.B80.160 - 200 L440.B90.160 - 200	142
L101.B56.080 - 200	125	L410.B40.080 - 200	126	L440.B92.160 - 200	142
L101.B58.080 - 200	125	L410.B43.081 - 250	130	L500.B61.101	132
L121.A85.082 - 202	131	L410.B43.081 - 250	130	L520.B61.101	132
L121.B10.080 - 200	123	L410.B44.081.02 - 201.02	129	L600.B15.125 - 250	167
L121.B31.080 - 200	123	L410.B44.081.03 - 201.03	129	L600.B16.125 - 200	167
L121.B36.080 - 200	123	L410.B44.081.04 - 201.04	129	L600.B60.125 - 200	168
L121.B40.080 - 200	127	L410.B44.081.05 - 201.05	129	L600.B61.125 - 200	168
L121.B43.081 - 201	131	L410.B45.080 - 200	126	L600.B80.125 - 250	168
L121.B44.081 - 201	131	L410.B46.080 - 200	126	L600.B81.125 - 250	168
L121.B45.080 - 200	127	L410.B55.081 - 280	124	L600.B83.125 - 200	168
L121.B46.080 - 200	127	L410.B56.081 - 280	124	L600.B90.125 - 250	169
L121.B55.080 - 200	125	L410.B58.081 - 280	124	L600.B91.125 - 200	169
L121.B56.080 - 200	125	L410.B60.100 - 200	132	L600.B92.125 - 250	169
L121.B58.080 - 200	125	L410.B61.101 - 200	132	L600.C10.125 - 250	169
L300.B15.100	145	L410.B62.081 - 201	132	L600.C11.125 - 250	169
L300.B61.100	145	L410.B80.100 - 251	133	L610.B15.125 - 250	167
L300.B80.100 L300.B85.100	145	L410.B83.100 - 200 L410.B90.080 - 202	133	L610.B16.125 - 200 L610.B60.125 - 200	167 168
L300.B90.100	145 145	L410.B91.100 - 200	136	L610.B61.125 - 200	168
L320.B15.100	145	L410.B92.080 - 250	135	L610.B80.125 - 250	168
L320.B61.100	145	L410.C10.080 - 202	136	L610.B81.125 - 250	168
L320.B80.100	145	L410.C11.150 - 200	136	L610.B83.125 - 200	168
L320.B85.100	145	L410.C90.200 - 261	137	L610.B90.125 - 250	169
L320.B90.100	145	L410.C91.200 - 262	137	L610.B91.125 - 200	169
L400.A85.082 - 250	130	L410.D16.260	137	L610.B92.125 - 250	169
L400.A90.058	122	L420.A85.082 - 250	130	L610.C10.125 - 250	169
L400.B10.080 - 250	122	L420.B10.080 - 250	122	L610.C11.125 - 250	169
L400.B10.100SO	147	L420.B10.FUSS	154	L620.B15.125 - 250	167
L400.B10.100SO1	147	L420.B15.081 - 201	122	L620.B16.125 - 200	167
L400.B15.081 - 201	122	L420.B22.100	119	L620.B60.125 - 200	168
L400.B22.100	119	L420.B31.080 - 200	122	L620.B61.125 - 200	168
L400.B24.100	119	L420.B36.080 - 200	122	L620.B80.125 - 250	168
L400.B31.080 - 200	122	L420.B40.080 - 200	126	L620.B81.125 - 250	168
L400.B36.080 - 200	122	L420.B40.FUSS	154	L620.B83.125 - 200	168
L400.B40.080 - 200	126	L420.B43.081 - 250	130	L620.B90.125 - 250	169
L400.B43.081 - 250	130	L420.B44.081 - 250	130	L620.B91.125 - 200	169
L400.B44.081 - 250	130	L420.B44.081.02 - 201.02	129	L620.B92.125 - 250	169
L400.B44.081.02 - 201.02	129	L420.B44.081.03 - 201.03	129	L620.C10.125 - 250	169
L400.B44.081.03 - 201.03	129	L420.B44.081.04 - 201.04	129 129	L620.C11.125 - 250 LB500.B10.100 - 126	169 122
L400.B44.081.04 - 201.04 L400.B44.081.05 - 201.05	129 129	L420.B44.081.05 - 201.05 L420.B45.080 - 200	129	LB500.B10.100 - 126 LB500.B31.100 - 125	122
L400.B45.080 - 200	126	L420.B46.080 - 200	126	LB500.B80.125	133
L400.B45.080 - 200	126	L420.B55.081 - 280	124	LB500.B83.125	133



	Page in catalogue		Page in catalogue		Page in catalogue
LB500.B90.100	136	LS420.B83.125	133	N120.B61.125 - 200	165
LB500.B90.125	136	LS420.B90.125	136	N120.B80.125 - 251	165
LB500.C10.100	136	LS420.B91.125	136	N120.B81.100 - 253	165
LB500.C10.125	136	LS420.C10.125	136	N120.B83.125 - 200	165
LB510.B10.100 - 126	122	LS500.B61.101	132	N120.B90.081 - 252	166
LB510.B31.100 - 125	122	LS510.B61.101	132	N120.B91.126 - 203	166
LB510.B80.125	133	LS520.B61.101	132	N120.B92.125 - 250	166
LB510.B83.125	133	LSS400.B10.125	122	N120.C10.101 - 251	166 166
LB510.B90.100 LB510.B90.125	136 136	LSS400.B15.126 LSS400.B60.125	122 132	N120.C11.126 - 251 P4171 - P4179	67
LB510.C10.100	136	LSS400.B61.125	132	PLATTENWAGEN.2G - 3K	239
LB510.C10.125	136	LSS400.B80.125	133	PRK.001 - 011	194
LB520.B10.100 - 126	122	LSS400.B83.125	133	PRS.001 - 011	194
LB520.B31.100 - 125	122	LSS400.B90.125	136	RFST	147
LB520.B80.125	133	LSS400.B92.125	135	ROLLST350 - 600	184
LB520.B83.125	133	LSS400.C10.125	136	ROLLSTA	183
LB520.B90.100	136	LSS400C11.125	136	ROLLSTK	183
LB520.B90.125	136	LSS410.B10.125	122	ROLLSTKOMBI	182
LB520.C10.100	136	LSS410.B15.126	122	ROLLSTV.KU	184
LB520.C10.125	136	LSS410.B60.125	132	ROLLSTV.KU	185
Lifter	233	LSS410.B61.125	132	ROLLST.KUGELTI.	182
LRBK.001 - 108	218	LSS410.B80.125	133	RR100.B15.080 - 300	172
LRBK.K001 - K070	218	LSS410.B83.125	133	RR100.B16.080 - 401	172
LRBS.001 - 108	219	LSS410.B90.125	136	RR100.B80.100 - 300	173
LRBS.K001 - K070	219	LSS410.B92.125	135	RR100.B81.100 - 401	173
LRK.001 - 090	221	LSS410.C10.125	136	RR100.B90.100 - 250	174
LRK.K001 - K058	221	LSS410C11.125	136	RR100.B91.100 - 200	174
LRS.001 - 090	222	LSS420.B10.125	122	RR100.B92.080 - 250	174
LRS.K001 - K058	222	LSS420.B15.126	122	RR100.C10.080 - 401	175
LS400.A85.127	130 122	LSS420.B60.125	132 132	RR100.C11.100 - 300	175 174
LS400.B10.125 LS400.B40.125	126	LSS420.B61.125 LSS420.B80.125	133	RR100.C81.100 - 250 RR110.B15.080 - 300	174
LS400.B43.126	130	LSS420.B83.125	133	RR110.B16.080 - 401	172
LS400.B44.126	130	LSS420.B90.125	136	RR110.B80.100 - 300	173
LS400.B55.126	124	LSS420.B92.125	135	RR110.B81.100 - 401	173
LS400.B58.126	124	LSS420.C10.125	136	RR110.B90.100 - 250	174
LS400.B60.125	132	LSS420C11.125	136	RR110.B91.100 - 200	174
LS400.B61.125	132	MLK.090	237	RR110.B92.080 - 250	174
LS400.B80.125	133	MR.001 - 096	220	RR110.C10.080 - 401	175
LS400.B83.125	133	MR.K001 - K063	220	RR110.C11.100 - 300	175
LS400.B90.125	136	N100.B10.081 - 251	164	RR110.C65.100 - 200	174
LS400.B91.125	136	N100.B15.080 - 250	164	RR110.C81.100 - 250	174
LS400.C10.125	136	N100.B60.125 - 200	165	RR120.B15.080 - 300	172
LS410.A85.127	130	N100.B61.125 - 200	165	RR120.B16.080 - 401	172
LS410.B10.125	122	N100.B80.101 - 251	165	RR120.B80.100 - 300	173
LS410.B40.125	126	N100.B81.100 - 253	165	RR120.B81.100 - 401	173
LS410.B43.126	130	N100.B83.100 - 200	165	RR120.B90.100 - 250	174
LS410.B44.126	130	N100.B90.081 - 252	166	RR120.B91.100 - 200	174
LS410.B55.126	124	N100.B91.126 - 203	166	RR120.B92.080 - 250	174
LS410.B58.126	124	N100.B92.125 - 250	166	RR120.C10.080 - 401	175
LS410.B60.125 LS410.B61.125	132	N100.C10.083 - 251	166	RR120.C11.100 - 300	175
LS410.B80.125	132 133	N100.C11.101 - 251 N110.B10.081 - 251	166 164	RR120.C81.100 - 250 S100.B15.100 - 251	1 <i>7</i> 4
LS410.B83.125	133	N110.B15.080 - 250	164	\$100.B15.100 - 251 \$100.B16.150 - 401	176
LS410.B90.125	136	N110.B60.125 - 200	165	\$100.B10.130 - 401 \$100.B81.100 - 400	176
LS410.B91.125	136	N110.B61.125 - 200	165	\$100.C10.100 - 401	177
LS410.C10.125	136	N110.B80.101 - 251	165	\$100.C10.100 - 401 \$100.C11.100 - 300	177
LS420.A85.127	130	N110.B81.100 - 253	165	S110.B15.100 - 251	176
LS420.B10.125	122	N110.B83.100 - 200	165	S110.B16.150 - 401	176
LS420.B40.125	126	N110.B90.081 - 252	166	S110.B81.100 - 400	176
LS420.B43.126	130	N110.B91.126 - 203	166	S110.C10.100 - 401	177
LS420.B44.126	130	N110.B92.125 - 250	166	S110.C11.100 - 300	177
LS420.B55.126	124	N110.C10.083 - 251	166	S120.B15.100 - 251	176
LS420.B58.126	124	N110.C11.101 - 251	166	S120.B16.150 - 401	176
LS420.B60.125	132	N120.B10.081 - 251	164	S120.B81.100 - 400	176
LS420.B61.125	132	N120.B15.080 - 250	164	\$120.C10.100 - 401	177
LS420.B80.125	133	N120.B60.125 - 200	165	S120.C11.100 - 300	177

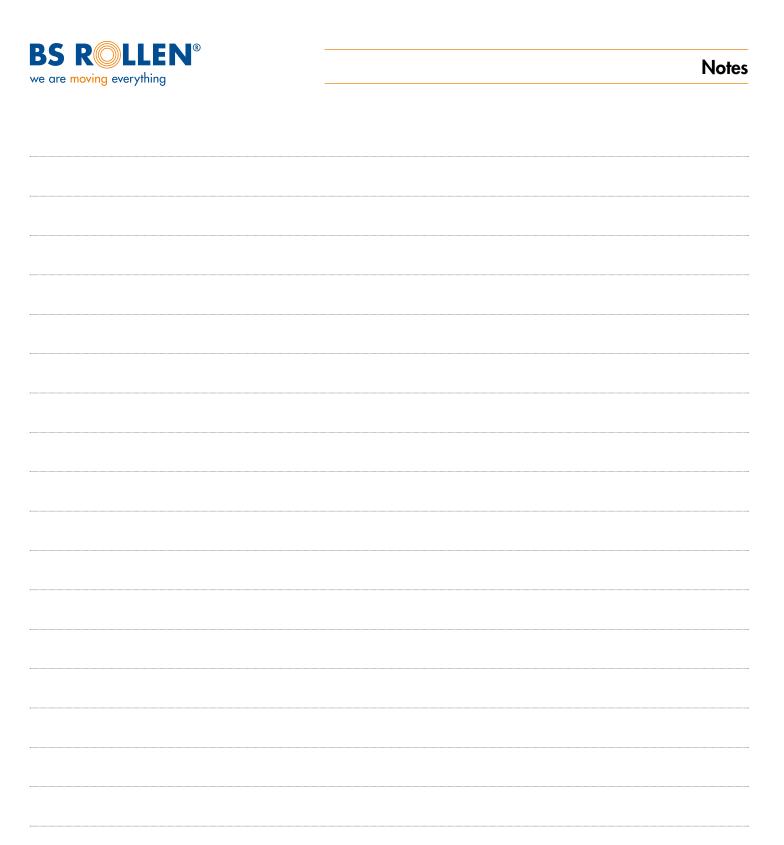
### Index



	Page in catalogue
S20-F6-205 - 405	198
S30-F8-205 - 405	198
S40-F10-205 - 505	198
S50-F10-207 - 607	198
S51-A10-217 - 617	198
S51-F10-206 - 606	198
S55-A10-220 - 620	199
S55-A12-222 - 622	199
\$55-F10-210 - 610	199
S56-A10 -220 - 520	199
S56-A12 -322 - 622	199
\$56-F10 -210 - 410	199
S63-A12-219 - 619	198
Sch.Ecke.SetV10 - SetV60	232
SCHE.001 - 008	215
SCHR.001 - 016	215
SCHT.001 - 016 SCHV.001 - 008	215
ST.Ecke.K.V20 - V144	215 232
ST.Ecke.M.V20 - V144	232
TROLLER.1B	233
TROLLER.1G	233
TROLLER.1R	233
T100.B80.125 - 200	178
T100.B81.125 - 200	178
T100.B90.125 - 200	179
T100.B91.125 - 200	179
T100.C10.125 - 200	179
T100.C11.125 - 200	179
T110.B80.125 - 200	178
T110.B81.125 - 200	178
T110.B90.125 - 200	179
T110.B91.125 - 200	179
T110.C10.125 - 200	179
T110.C11.125 - 200	179
T120.B80.125 - 200	178
T120.B81.125 - 200	178
T120.B90.125 - 200	179
T120.B91.125 - 200	179
T120.C10.125 - 200	179
T120.C11.125 - 200	179
T220.100 - 200	158
T240.100 - 150	158
TPK.070	236
Transportroller	233
TRT.060	236
TWG.150	237
W120.B15.075 - 080	158
W120.C10.075 - 080	158
W220.A90.040 - 075	159
W221.A90.040 - 075	159
W320.A90.050 - 075	159
W321.A90.050 - 075	159
X100.B15.058.MF	157
ZA101 - 204	226
ZE.001 - 006	226
ZKS.002 - 116	226
ZKST.101 - 136	226
ZMRE.001 - 008	227
ZMRS.101 - 106	227
ZMRST.101 - 148	227
ZR100 - 117	70

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# **Notes**



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