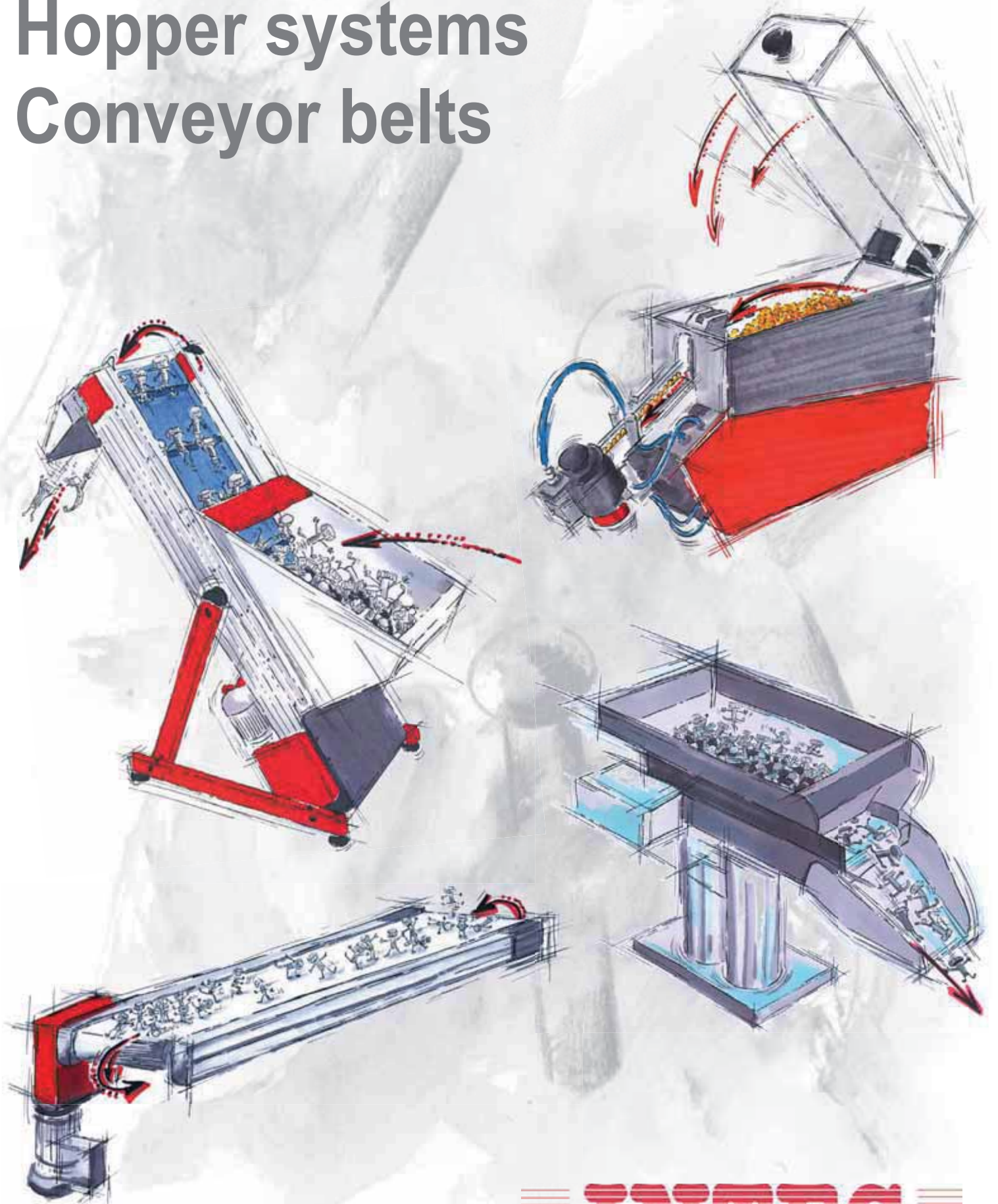


Sorting and feeding technology

Hopper systems

Conveyor belts



Automation with system

INTEC

- MANY PROVIDE GOOD TECHNOLOGY -
- FEWER PROVIDE GOOD TECHNOLOGY AND QUALITY -
- EVEN FEWER PROVIDE GOOD TECHNOLOGY, QUALITY AND DESIGN -
- ALMOST NOBODY PROVIDES GOOD TECHNOLOGY, QUALITY AND DESIGN AT TOP PRICES -

INTEC PROVIDES EVERYTHING: TECHNOLOGY + DESIGN

- MAXIMUM QUALITY AND YET INEXPENSIVE -



Made by

INTEC



Our aim is to provide the highest quality components with decisive benefits for use by plant constructors and plant operators at prices which prove that the Germany business location is justified.

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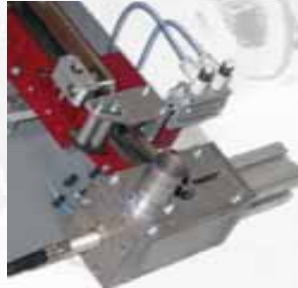
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THE SEGMENT CONVEYOR

SORTING AND FEEDING TECHNOLOGY IN A NEW DIMENSION



Quiet sorting technology with minimum wear and tear on the components

An oscillating sorting and conveying segment transports the products onto a static, angled linear section. The products slide on this due to their own weight to the separating or feeding point.

An oscillating drive is not required due to this technology. No vibration damages the products or product coatings.

Significant reduction of maintenance times and susceptibility to failure.

As the product wear during the sorting and separating process is very low, the otherwise time-consuming cleaning of sorting systems is minimised.

The susceptibility to failure which is caused by product wear on the sorting and linear sections is thus also significantly lower.

Which products can be sorted?

In principle, all rotation symmetric products which have a clear centre of gravity (e.g. screws, rivets, collar studs etc.) and products which are symmetrical (e.g. pins, spheres, washers etc.).

Nonsymmetrical pins or washers can also be fed in the correct position using rotational or pivotal sorting.

There are only limitations here for the product size which should fit the segment conveyor. The limit values are dependent on the respective separator variant and also on the delivery rate and cannot be specified as fixed values.

How high is the delivery rate?

The delivery rate is dependent on the products and can be up to several hundred products per minute. The exact value depends on the type of separation and the further processing, e.g. the supply of screws using a feeding tube - how long is the tube and how is the tube routed?

We are happy to advise you for the selection of configuration options in order to achieve the optimum result.

Separators and deflectors.

We provide the matching separators and also part deflectors for up to a 4-way distribution from our standard product range for the various application cases.

There are, of course, also special solutions which will be provided on customer request.

The following are a matter of course for INTEC:

- CE Conformity
- neutral version (without INTEC logo) on request
- special versions as specified by the customer
- 2D and 3D CAD libraries

Benefits of the segment conveyor

Low space requirement and small requirement for substructure

The segment conveyor needs a relatively small, rectangular footprint for the installation. This has the advantage as compared with other alternative sorting equipment that the segment conveyor can be installed directly adjacent without losing a lot of space.

Benefit:

The footprint of the complete system is kept as small as possible.

Due to its vibration-free functioning, the segment conveyor does not absolutely need to have a stable and inert substructure. The sorting process takes place using an oscillating segment. The "further sliding" of the components takes place via an inclined linear section, i.e. purely using own weight without vibration.

Benefit:

The weight of the machine is reduced.

Highly reliable, quiet sorting with minimum wear and tear on the components

The sorting process is also vibration-free and thus very low noise with minimum wear and tear on the components. The components are "controllable" at any time and at every place on the sorting section; disturbances are thus extremely reduced.

Benefit:

No unnecessary exposure to noise.

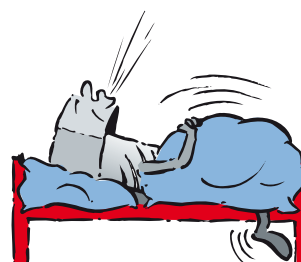
Sorting with minimum wear and tear.

Low-noise operation.

Which components can be sorted by a segment conveyor?

A segment conveyor can mainly sort all rotationally symmetrical or almost rotationally symmetrical components. In the case of doubt, it is advisable to contact us.

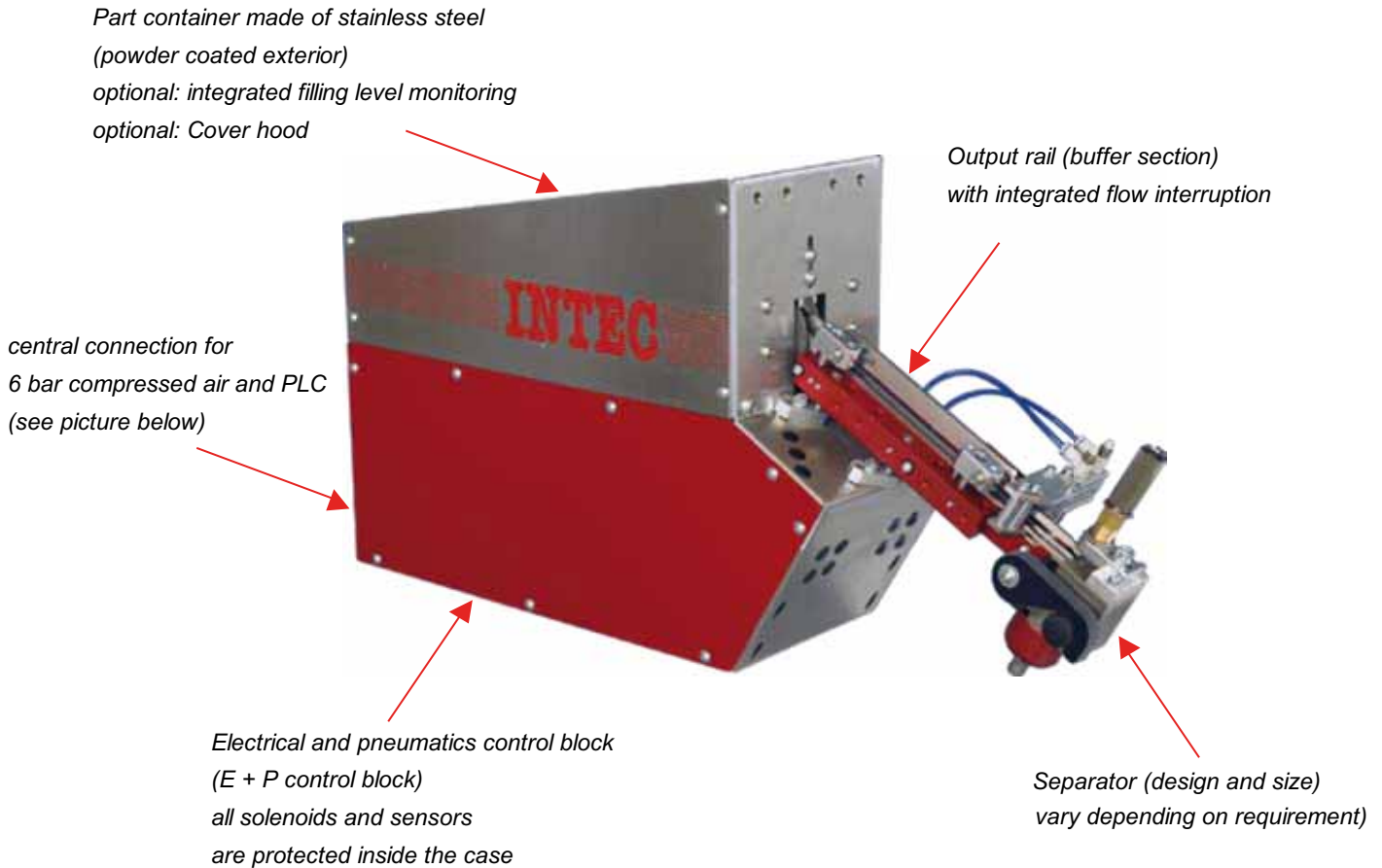
Components from already realised segment conveyors can be seen in both the following pictures. The components have been arbitrarily compiled and should only be considered as an example.



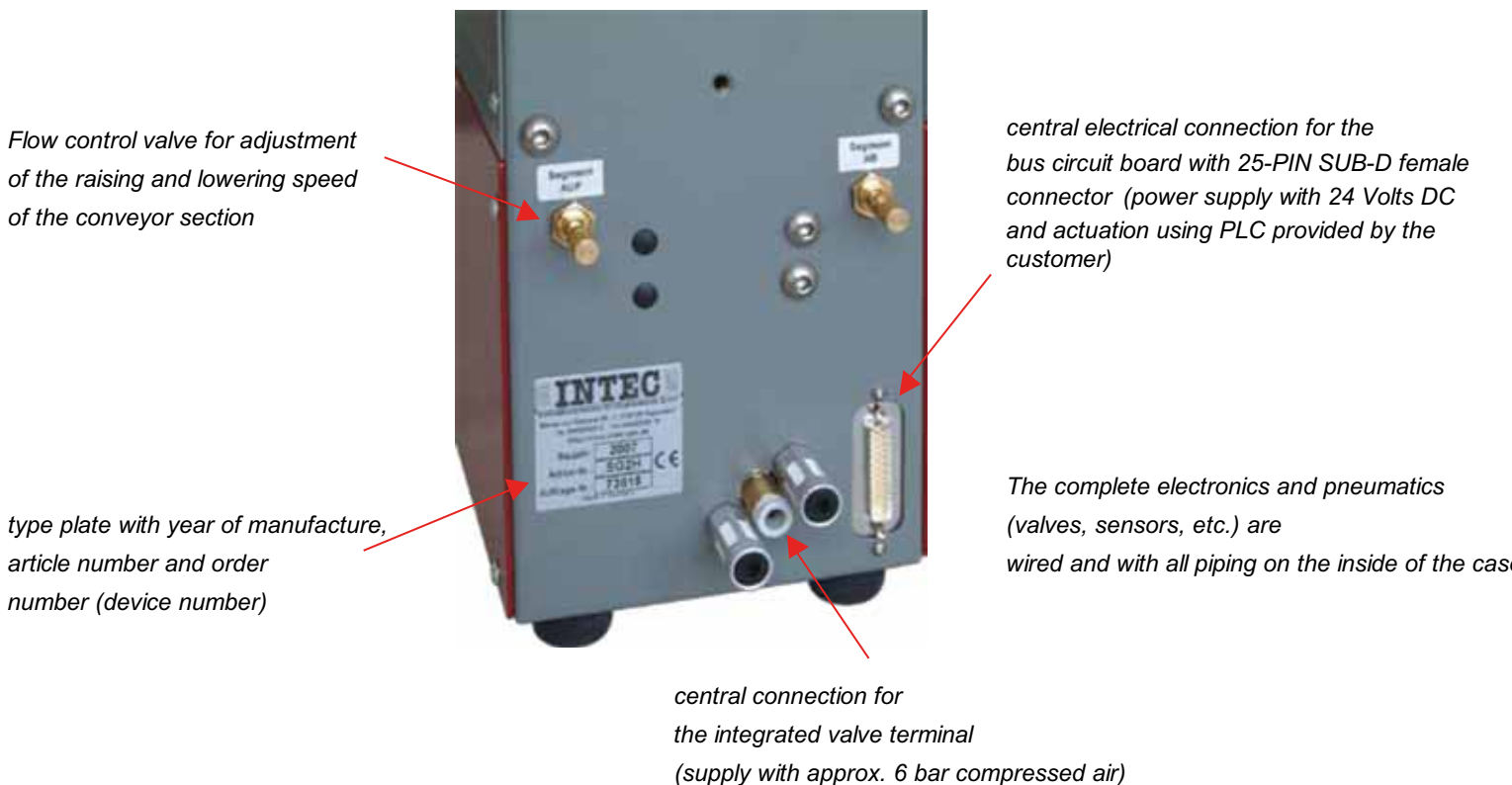
Segment conveyors are very quiet.....

Segment conveyor basic unit

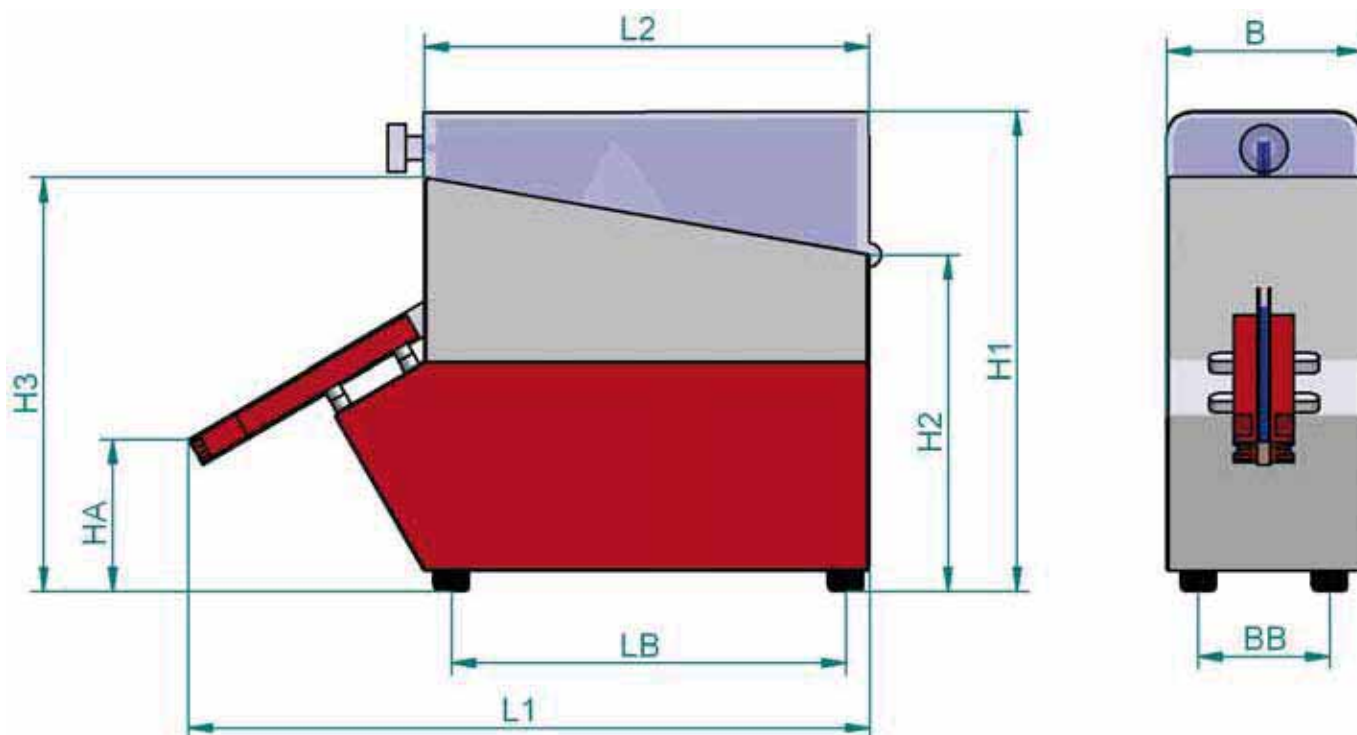
Segment conveyors SG2 and SG3



Central supply connection for compressed air and controller



Segment conveyors SG2 and SG3



| Article number | Filling capacity | L1 | L2 | LB | B | BB | H1 | H2 | H3 | HA |
|----------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SG2H and SG2L | approx. 1.0 litres | 571 | 373 | 330 | 163 | 110 | 402 | 282 | 346 | 128 |
| SG3H and SG3L | approx. 2.0 litres | 657 | 465 | 430 | 225 | 160 | 534 | 357 | 437 | 200 |

We can of course also provide you with 2D and 3D CAD libraries (DXF, IGS, Step, etc.) for our segment conveyors. Please contact us or visit our Website.

Tel. 09402/9329-0
Fax 09402/9329-33

www.intec-ger.de

Examples of the respective expedient minimum and maximum sorting item sizes

| Article number | Sorting position | Sort item | min. part size | max. part size | max. part length |
|----------------|------------------|------------|----------------|----------------|------------------|
| SG2H | vertical | e.g. screw | approx. M 1.6 | approx. M 5 | approx. 50 mm |
| SG2L | horizontal | e.g. dowel | Ø 2.0 mm | Ø 6.0 mm | approx. 80 mm |
| SG3H | vertical | e.g. screw | approx. M 4 | approx. M 12 | approx. 70 mm |
| SG3L | horizontal | e.g. dowel | Ø 6.0 mm | Ø 20.0 mm | approx. 100 mm |

Performance data for the segment conveyor

Sorting performance, separation and feeding capacity of a segment conveyor

Sorting performance:

The sorting performance of every sorting device is dependent on the sort item, and this is also the case for the segment conveyor. Therefore, no generally applicable statement can be made.

Example:

Cylinder head bolts M4x16 DIN912 or similar - sorting rate approx. 150 parts per minute

Separation performance:

The separation performance of every sorting device is dependent on the sort item and also on the type of separation. This also means that no generally applicable statement can be made here.

Example:

Cylinder head bolts M4x16 DIN912 or similar - separation rate approx. 100 parts per minute

(for separation of the parts in a feed tube and shaft in advance)

Feeding capacity:

The feeding rate or supply rate of every sorting device is dependent on the sort item, the type of separation and the distance from the point for further processing of the part. Accordingly, this information is even more difficult to generalise.

Example:

Cylinder head bolts M4x16 DIN912 or similar - feeding rate approx. 50 parts per minute

(blowing via a feeding tube with a tube length of 3 metres)

Caution!

The performance data mentioned above are realistic for cylinder head bolts M4 x 16, but not necessarily a reference point for other components.

Manufacturers very often state general performance data which simply cannot be valid in principle. Therefore, you should always ask for an estimate based on the specific part.

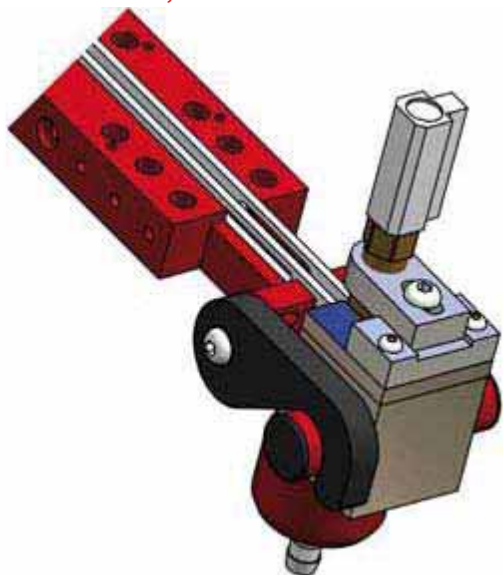
You should contact us in order to obtain binding information.



Separator variants for suspended parts

Axial separation in the feeding tube

suitable for screws, rivets etc.



The axial separator is used for screws, rivets etc, where the relationship between the shaft \varnothing and head \varnothing is relatively normal (similar to a screw e.g. DIN 912). We very often combine this separator with the upstream separator and fast opening (see picture: black pivot bolt).

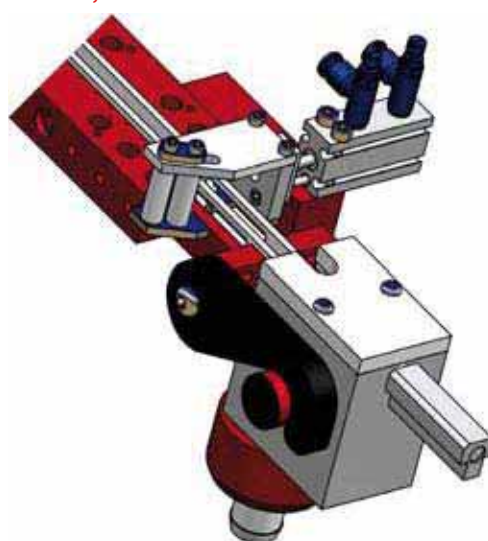
Article number: VE-AX-10 (up to tube internal \varnothing 10.0 mm)

Article number: VE-AX-16 (up to tube internal \varnothing 16.0 mm)

Article number: VE-SÖ (Fast opening)

Axial separation gate in the feeding tube

suitable for screws, rivets etc.



The axial separation gate is used for screws, rivets etc, where the relationship between the shaft \varnothing and head \varnothing is unfavourable (e.g. shaft \varnothing 5.0 mm and head \varnothing 16.0 mm). This separator is always combined with an upstream separator (see picture: upstream separator).

Article number: VE-SAX-16 (up to tube internal \varnothing 16.0 mm)

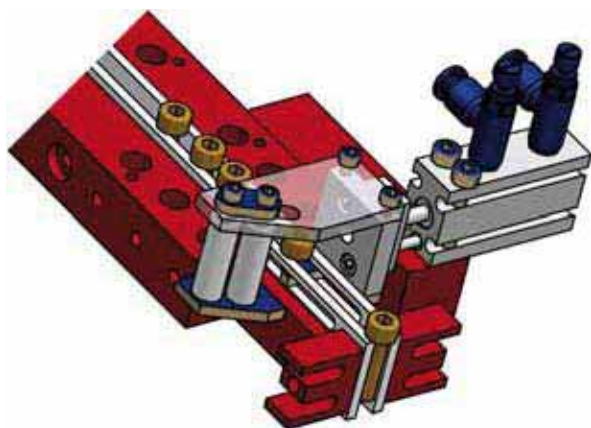
Article number: VE-SAX-25 (up to tube internal \varnothing 25.0 mm)

Article number: VE-TR-5 (up to shaft \varnothing 5.0 mm)

Article number: VE-TR-10 (up to shaft \varnothing 10.0 mm)

Upstream separator with free discharge

suitable for screws, rivets etc.



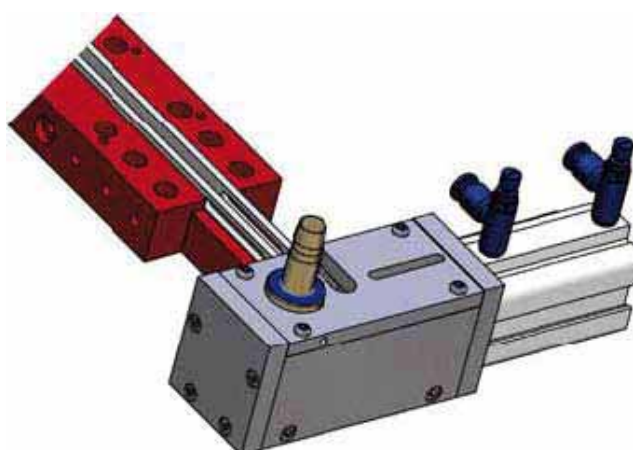
The upstream separator with free discharge at an inclination of 30° is usually used if the part should be fetched with a handling unit or robot. Without upstream separation, the parts could be transported directly into the buffer on an additional linear section and further to the processing position from there.

Article number: VE-TR-5 (up to shaft \varnothing 5.0 mm)

Article number: VE-TR-10 (up to shaft \varnothing 10.0 mm)

Gate separator feed "head first"

suitable for screws, rivets etc.



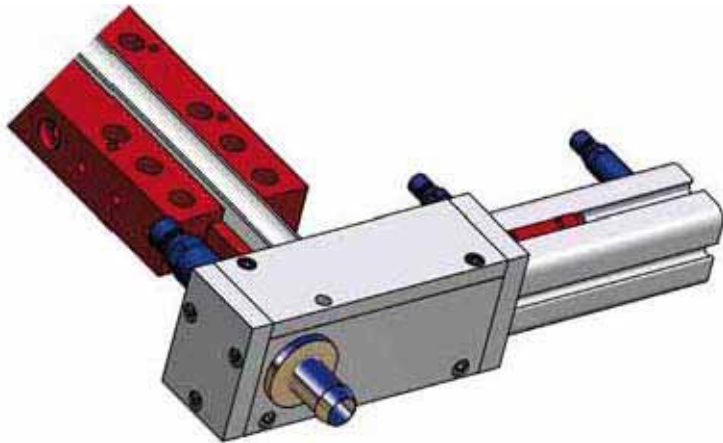
The gate separator with "head first" feeding is used if, e.g. the screw head must be inserted into the screwdriver nozzle first.

Article number: VE-O-12 (up to tube internal \varnothing 12.0 mm)

Separator variants for "hanging" and "lying" parts

Longitudinal separation gate in the feeding tube

suitable for pins, spheres, sockets etc.

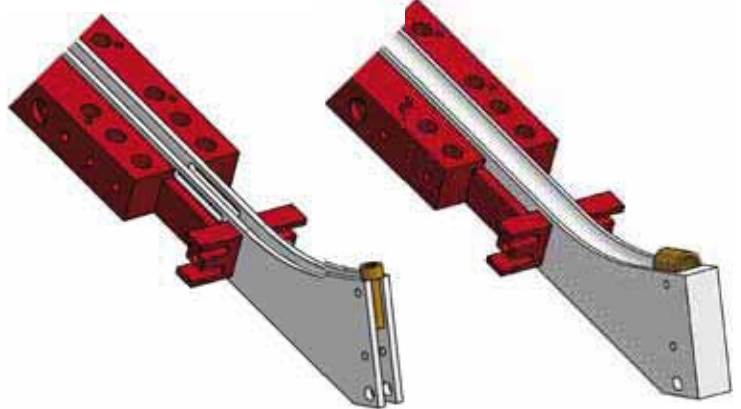


The gate longitudinal separator for lying parts to be conveyed is the standard variant for, e.g. pins, spheres and sockets.

Article number: VE-SVL-18 (up to part Ø 18.0 mm)

Feeding horizontal

suitable for hanging and lying parts

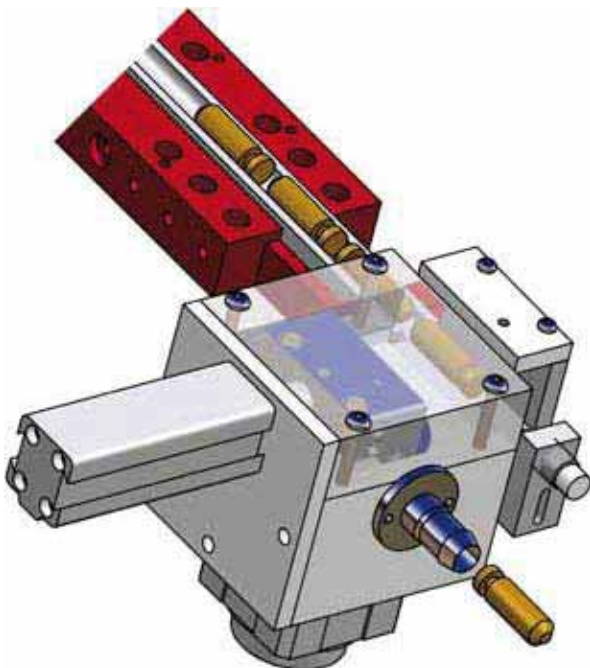


The horizontal provision is possible for both "hanging" and lying parts. Further design is also variable. A part stop is also available as are different part-specific upstream separators.

Article number: VE-HB

Rotational sorting in the feed tube

suitable for asymmetrical pins or sockets

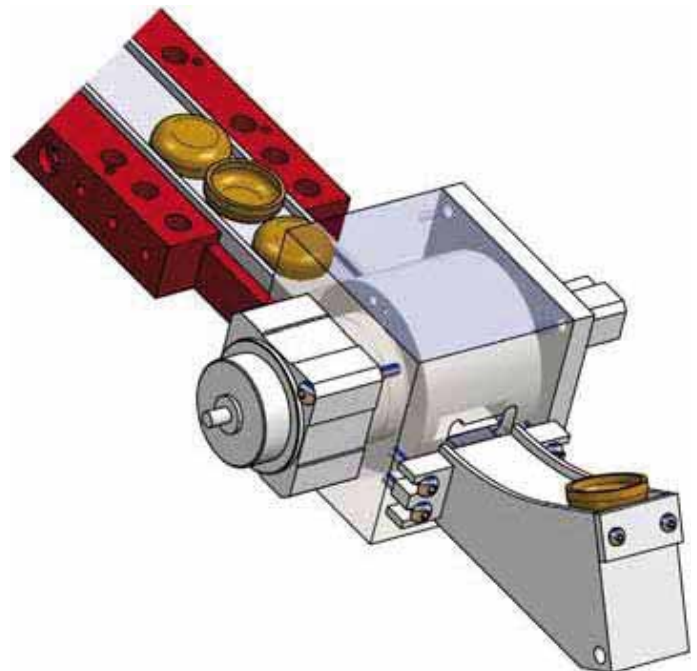


The rotational sorting is used for pins and sockets with asymmetrical longitudinal structure. The parts are stopped in advance and their position is queried using sensors. In the case of incorrect part position, alignment is made using a rotary mechanism. Thus each part is fed in the correct position. The design of the position recognition depends on the part.

Article number: VE-DS-15 (up to part Ø 15.0 mm)

Pivotal sorting with feeding

suitable for asymmetrical washers or lids



Pivotal sorting is used asymmetrical washers or lids. The parts are stopped in advance and their position is queried using sensors. In the case of incorrect part position, alignment is made using a pivoting mechanism. Thus each part is fed in the correct position. The design of the position recognition depends on the part.

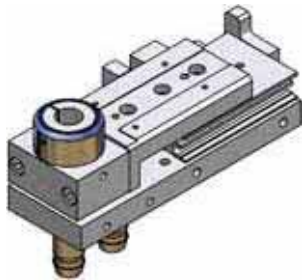
Article number: VE-SS-25 (up to part Ø 25.0 mm)

Deflectors with 2-way, 3-way and 4-way distribution

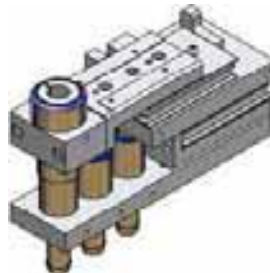
Using deflectors, the parts can be specifically distributed by a sorting device to up to four processing machines (e.g. screwdriver with nozzle). If the cycle time allows this, this results in significant cost savings as only one sorting unit is needed for several processing machines.

The deflectors are also available as "NEGATIVE" deflectors. Here you can supply one processing point with up to four sorting devices (e.g. supply different types of screw to only one screwdriver).

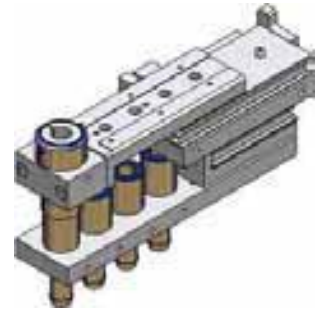
Our deflectors are mechanically separated from the sorting device and thus have the benefit that the deflectors can be installed at the most technically favourable position of the complete system.



2-way deflector



3-way deflector



4-way deflector

| Article number | Distribution | max. feed tube Ø |
|----------------|--------------|------------------|
| WE2-16 | 2-way | 16 mm |
| WE3-16 | 3-way | 16 mm |
| WE4-16 | 4-way | 16 mm |
| WE2-25 | 2-way | 25 mm |
| WE3-25 | 3-way | 25 mm |
| WE4-25 | 4-way | 25 mm |

Control block for deflectors

An electric and pneumatic control block which is mounted directly on the wall is also available for our deflectors. The solenoid valves and cylinder switches are tubed and wired in a terminal box.



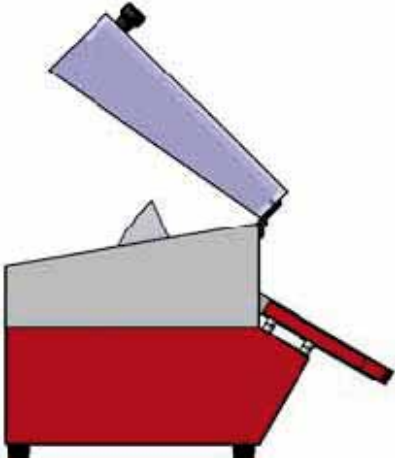
| Article number | Distribution | suitable for |
|----------------|--------------|-------------------|
| WE2-WEPP | 2-way | WE2-16 and WE2-25 |
| WE3-WEPP | 3-way | WE3-16 and WE3-25 |
| WE4-WEPP | 4-way | WE4-16 and WE4-25 |

Accessories and special configurations

Pivoting cover hood made of Makrolon with "front" or "rear" hinge

available with and without refilling opening

The cover hood for the segment conveyor is made of Makrolon. This guarantees that the part container can also be monitored during operation.

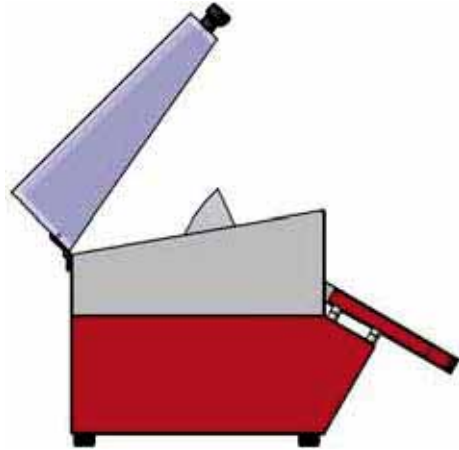


Article number: **SG2X-MAH-SV** (for SG2)

Article number: **SG3X-MAH-SV** (for SG3)

Article number: **SG2X-MAH-BBSV** (with refilling opening)

Article number: **SG3X-MAH-BBSV** (with refilling opening)



Article number: **SG2X-MAH-SH** (for SG2)

Article number: **SG3X-MAH-SH** (for SG3)

Filling level monitoring

The filling level monitoring is installed directly and part-specific in the part container. This has the advantage that the recognition is very accurate. The monitoring is performed using a light barrier. The fibre optics are also protected against damage with a stainless steel end piece.



Article number: **SGXX-803**

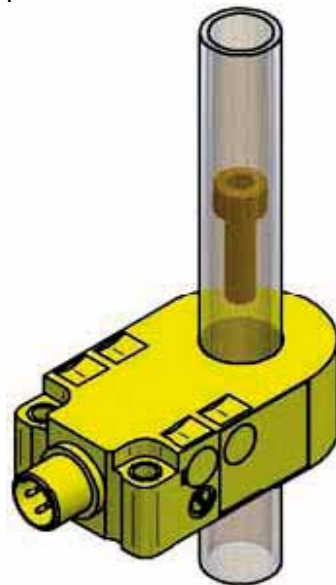
Part cavity sensing in the separator

The part cavity sensing in the separator is dependent on the separator variant and on the respective sort part.

Article number: **on request - special configuration**

Feed control - Monitoring of the feed tube

The feed control is a ring sensor which is directly attached to the feed tube. The position on the tube is arbitrary and can be specified by the customer - however, it is best near the processing position. The parts are measured during "flying through".



Article number: **SGZK-006** (up to feed tube diameter 6.0 mm)

Article number: **SGZK-010** (up to feed tube diameter 10.0mm)

Article number: **SGZK-015** (up to feed tube diameter 15.0mm)

Article number: **SGZK-020** (up to feed tube diameter 20.0mm)

Sorting technology enquiry form

Segment conveyors, separators and deflectors

You can copy the enquiry form and send it to us by **fax to +49 (0)9402-9329-33**. You can also download the form from our Website **www.intec-ger.de** and send it to us by **email to info@intec-ger.de**.

Sender: _____

Company: _____

Phone: _____

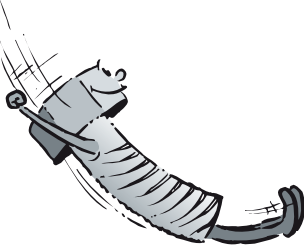
Contact person: _____

FAX: _____

Address: _____

Email: _____

Postcode and town: _____

| | |
|--|--|
| <p>1 What kind of product should be fed? <i>if possible, please send us a drawing or a diagram (see catalogue, page 5)</i></p>  | |
| <p>2 Which feeding rate is required? <i>Please state in parts per minute (see catalogue, page 8)</i></p> | |
| <p>3 What should the feed position be? <i>e.g. screw, head first or shank first (see catalogue, pages 9/10)</i></p> | |
| <p>4 How should the part be fed? <i>e.g. via feed tube, free discharge at an inclination of 30° etc. (see catalogue, pages 9/10)</i></p> | |
| <p>5 Which accessories are desired? <i>e.g. part deflector, cover hood, feed control etc. (see catalogue, pages 11/12)</i></p> | |
| <p>6 Which filling capacities are desired? <i>you can also use a reserve hopper to expand the filling capacity (see catalogue - Hopper systems)</i></p> | |
| <p>7 Special requirements? <i>e.g. subframe, additional handling, ASI bus etc.</i></p> | |

Segment conveyor and belt hopper application example

Combination of segment conveyor, belt hopper and deflectors

Belt hopper BB12
12 litres filling capacity

Segment conveyor SG3H
Sort item: screw M6

3-way deflector
WE3-16

customer-specific
subframe

THE BELT HOPPER

INCONSPICUOUS AND YET SO IMPORTANT



Application areas:

- parts supply for sorting and feeding equipment
- loading packaging systems
- loading weighing machines and counting apparatus
- metered parts supply, also at manual workplaces
- and can be used in the foodstuffs and pharmaceutical sectors

Significant extension of the manual refilling cycles for sorting equipment.

Depending on the belt hopper size, this can be several times the normal refilling time.

The frequency of sorting equipment malfunctions is significantly reduced.

Why? Sorting devices "run" most reliably with a specified filling level if the filling level can be kept almost constant in doing so. As a person cannot permanently "keep topping up" in practice for economic reasons, a certain malfunction frequency has been lived with to date.

The INTEC belt hopper provides an elegant solution here. The filling level is automatically maintained at the desired level by the integrated filling level monitoring. The slowly running belt hopper dispenses the required quantity into the sorting device gradually and gently (without vibration) and switches off automatically when the specified filling level is reached.

More compact system dimensions for assembly machines.

For example, if a sorting device with stepped bowl without belt feeder required a specified diameter, the space requirement for a sorting device in combination with a belt hopper can usually be halved or even reduced further. The cost savings for smaller sorting equipment are usually more than the additional costs for an INTEC belt hopper.

Additional benefits of the INTEC belt hopper.

- adjustable side guides on the hopper bowl prevent jamming of the smallest parts
- adjustable front apertures (option) so that the flow rate can be precisely matched to your part size
- hopper bowls made of stainless steel and many different versions of conveyor belts
- 24 Volt to 460 Volt regulated or unregulated drives with switching equipment for direct control
- belt hopper capacities from 3.5 litres to 200 litres for almost every application
- mounting stands for installation of the belt hoppers in a complete system

The following are a matter of course for INTEC:

- 24 months warranty - CE conformity -
- neutral version (without INTEC logo) on request
- special versions as specified by the customer
- 2D and 3D CAD libraries

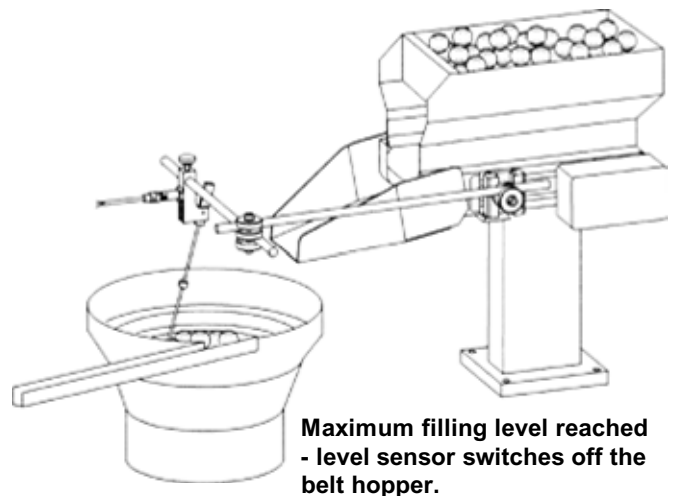
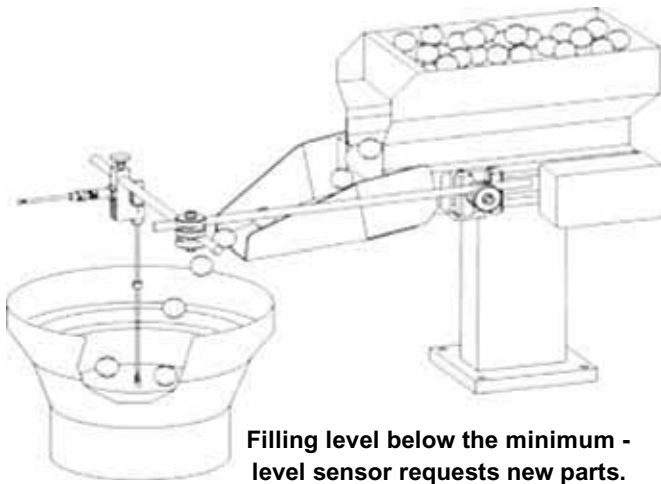
Benefits of the belt hopper

This is how we reduce malfunction frequency and short refill cycles

The error is often made in practice for sorting equipment and here particularly for vibration conveyors of initially overfilling them and then letting them run until completely empty.

In this way, the operator does not have to refill so often, however the resulting malfunction frequency reduction is

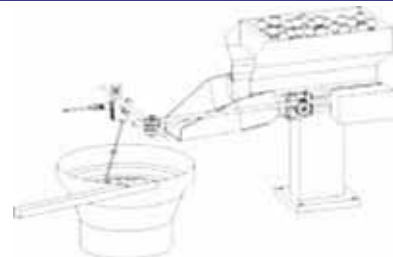
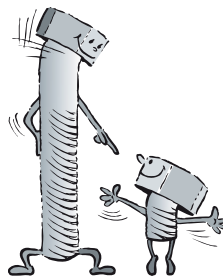
The INTEC belt hopper provides an elegant and cost-effective solution. Seven installation sizes are available. With hopper capacities from 3.5 litres to 200 litres, practically every application can be realised. The refilling control can be made completely automatically by the customer using a third party controller or using our practical very economic add-on module.



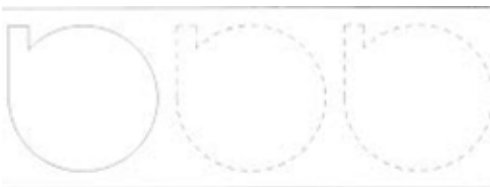
We reduce the equipment size and thus also the complete machine.



Size comparison for the same filling capacity without belt hopper.



Size comparison for the same fill capacity with belt hopper.



High storage capacities of the supply equipment which can hold enough for half or even a complete production shift are often required by industry for extending the refill cycles.

If a corresponding sorting device is selected, the requirement is indeed met, however some drawbacks are also addressed such as:

- *Overfilling the sorting equipment with corresponding malfunction frequency (see also the section above)*
- *Its price increases disproportionately due to the required installation size of the sorting device for this*

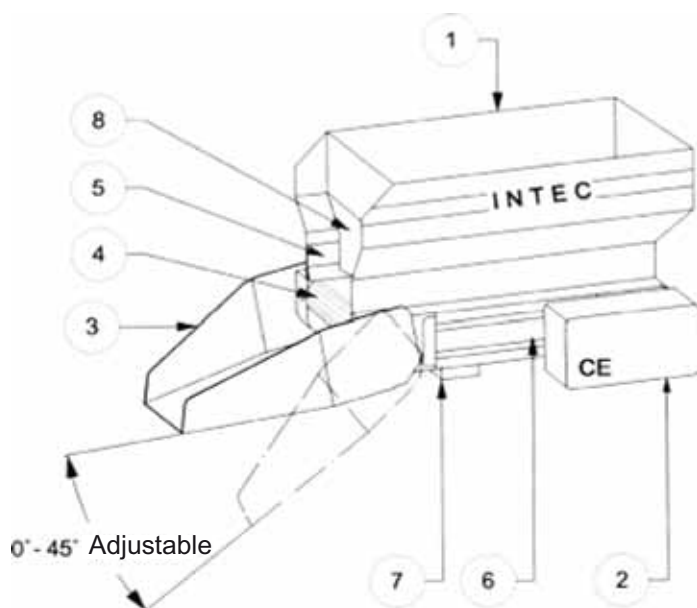
However these drawbacks can be compensated for by deciding on a small sorting device in combination with a belt hopper.

- *An additional belt hopper combined with a small sorting device often represents the most cost-effective solution.*
- *A further, significant indirect cost saving is achieved due to the fact that the complete machine can be significantly more compactly designed than one voluminous sorting device*

If there are several units in a system, this effect increases accordingly.

Belt hopper basic unit

Configuration of the basic unit



Basic unit
BB12 without accessories

| Pos | Article number | BB3.5 | BB6 | BB12 | BB25 | BB50 | BB100 | BB200 |
|-----|---|-------|-----|------|------|------|-------|-------|
| 1 | Hopper bowl made of stainless steel | S | S | S | S | S | S | S |
| 2 | Drive kit depending on requirement | S | S | S | S | S | S | S |
| 3 | Part chute made of stainless steel, underside lined with sound damping mat, discharge gradient infinitely adjustable from 0° to 45° | S | S | S | S | S | S | S |
| 4 | Conveyor belt in food safe version with normal friction coefficient | S | S | S | S | S | S | S |
| 5 | Adjustable stainless steel side guides prevent the jamming of the smallest parts between the conveyor belt and hopper bowl | S | S | S | S | S | - | - |
| 6 | Belt frame made of anodised aluminium profile with lateral T-slots | S | S | S | S | S | S | S |
| 7 | Two fastening strips with threaded bores M8 for easy installation of the belt hopper | S | S | S | S | S | S | S |
| 8 | Stainless steel front panel with transparent seal curtain; this makes visual inspection of the filling level in the hopper possible | S | S | S | S | S | S | S |

S = standard configuration - = not available



**Please note the technical data
(see page 20)**



Accessories and special configurations

Adjustable front panel



The flow gate can be adjusted to the part size and in doing so reduced or increased with a stainless steel slider. The slider is secured with two wing bolts so that adjustment without tools is possible.

Article number: BB.....-FB-EB

Available for all hopper sizes

Flow gates



- a) Black rubber (without extra charge)
- b) food safe

Article number: BB.....-SV-GS (Black rubber)

Article number: BB.....-SV-LE (food safe)

Available for all hopper sizes

Conveyor belts



- a) Fabric belt - antistatic and food safe (included in the basic unit)
- b) PU-coated - green (cut-resistant and oil-resistant)
- c) PU-coated - black (cut-resistant and oil-resistant)
- d) PU-coated - white (food safe)
- e) with high friction coefficient - pimples
- f) with high friction coefficient - longitudinal groove structure

Article number: BB.....-TG-PUG (PU - green)

Article number: BB.....-TG-PUS (PU - black)

Article number: BB.....-TG-PUW (PU - white)

Article number: BB.....-TG-HRN (high friction coefficient - pimples)

Article number: BB.....-TG-HRLR (Longitudinal groove structure)

Available for all hopper sizes

Cover hoods



- a) Makrolon cover hood (see illustration)
- b) Makrolon cover hood with hinge - pivotable

Article number: BB.....-AH (Makrolon)

Article number: BB.....-AHS (with hinge)

Available for all hopper sizes

Controller board for 24 V drive kit



The controller board for the 24 V drive kit is fitted with an adjustable switching relay (0.5 s-10 s cut-in delay and 0.5 s -10 s run-on time), speed regulation (5% - 100%) and another input (e.g. from the sorting device - HIGH or LOW signal). All functions can be activated or deactivated using jumpers.

Article number: SD-24DC

Available for all hopper sizes

Mains adapter for 24 V drive kit



The 24 V mains adapter is matched to the 24 V drive kits. It is supplied in its own case and is securely attached to the belt hopper. The belt hopper can thus be directly connected to a 230 V mains power supply.

Article number: NT-230AC-24DC

Available for all hopper sizes

Accessories and special configurations

Level sensor



The level sensor can be adjusted in every direction and is supplied with a (PNP switching) sensor

Article number: NF-24DC

Available for all hopper sizes

Stands



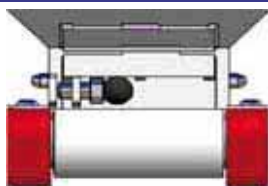
- a) constant height
- b) adjustable height

Article number: BB.....-STKH..... (constant height)

Article number: BB.....-STEH..... (adjustable height)

Available for all hopper sizes

Hatch for fast emptying



The hatch must be opened with the quick action fastening and can be folded upwards using a hinge.

Article number: BB.....-KSE

Available for all hopper sizes

Filling level monitoring in the hopper bowl

If required, the filling level monitoring in the hopper bowl will be positioned specifically for the part.

Article number: BB.....-FUW

Available for all hopper sizes

24 V drive kits

Selection already in the base unit, see page 25



- a) 24 V drive kit with 0.1 m/min belt speed
- b) 24 V drive kit with 0.4 m/min belt speed
- c) 24 V drive kit with 0.8 m/min belt speed

Article number: BB.....-24-0,1 (max. filling weight: 50 KG)

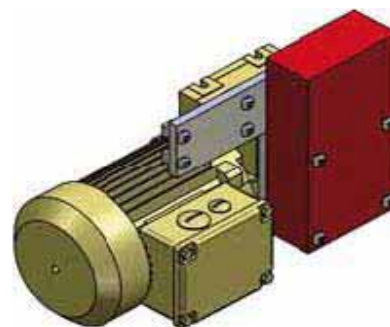
Article number: BB.....-24-0.4 (max. filling weight: 20 KG)

Article number: BB.....-24-0.8 (max. filling weight: 10 KG)

Already selectable in the base unit

115 V, 230 V, 400 V and 460 V drive kits

Selection already in the base unit, see page 25



- a) 115 V / 60 Hz drive kit - 0.85 m/min.
- b) 230 V / 50 Hz drive kit - 0.85 m/min.
- c) 400 V / 50 Hz drive kit - 0.85 m/min.
- d) 460 V / 60 Hz drive kit - 0.85 m/min.

other drive variants on request

Article number: BB.....-115 (60 Hz)

Article number: BB.....-230 (50 Hz)

Article number: BB.....-400 (50 Hz)

Article number: BB.....-460 (60 Hz)

Already selectable in the base unit



**Please note the technical data
(see page 20)**

Technical Data

Belt hopper with 24 V DC drive, 0.1 m/min belt speed (standard version)

| Article number | BB3.5-24-0.1 | BB6-24-0.1 | BB12-24-0.1 | BB25-24-0.1 | BB50-24-0.1 | BB100-24-0.1 | BB200-24-0.1 |
|--|--------------|-------------|-------------|-------------|-------------|--------------|--------------|
| max. filling capacity | 3.5 l | 6 l | 12 l | 25 l | 50 l | 100 l | 200 l |
| max. filling weight (24 V - 0.1 m/min) | 30 kg | 35 kg | 40 kg | 50 kg | 50 kg | 50 kg | 50 kg |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Belt hopper with 24 V DC drive, 0.4 m/min belt speed

| Article number | BB3.5-24-0.4 | BB6-24-0.4 | BB12-24-0.4 | BB25-24-0.4 | BB50-24-0.4 | BB100-24-0.4 | BB200-24-0.4 |
|--|--------------|-------------|-------------|-------------|-------------|--------------|--------------|
| max. filling capacity | 3.5 l | 6 l | 12 l | 25 l | 50 l | 100 l | 200 l |
| max. filling weight (24 V - 0.4 m/min) | 20 kg | 20 kg | 20 kg | 20 kg | 20 kg | 20 kg | 20 kg |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Belt hopper with 24 V DC drive, 0.8 m/min belt speed

| Article number | BB3.5-24-0.8 | BB6-24-0.8 | BB12-24-0.8 | BB25-24-0.8 | BB50-24-0.8 | - | - |
|--|--------------|-------------|-------------|-------------|-------------|---|---|
| max. filling capacity | 3.5 l | 6 l | 12 l | 25 l | 50 l | - | - |
| max. filling weight (24 V - 0.8 m/min) | 10 kg | 10 kg | 10 kg | 10 kg | 10 kg | - | - |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= | 24 V= | - | - |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 | - | - |
| Motor power [W] | 10 | 10 | 10 | 10 | 10 | - | - |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | - | - |

Belt hopper with 115 V / 60 Hz and 230 V / 50 Hz AC drive, 0.85 m/min belt speed

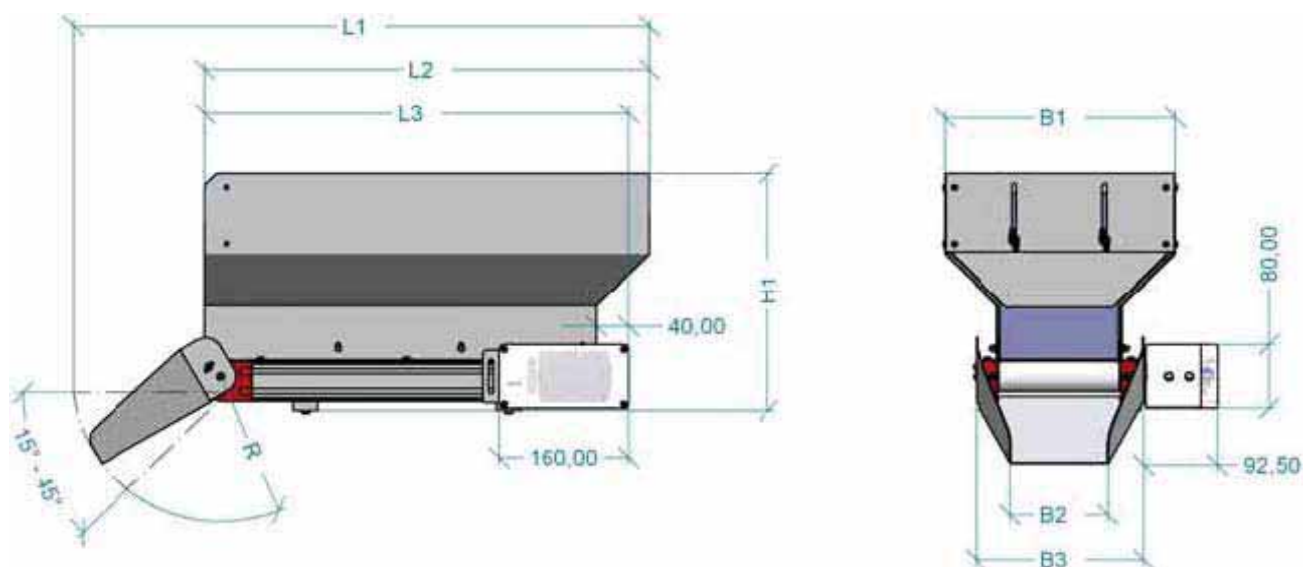
| Article numbers for 115 V / 60 Hz variants | - | - | BB12-115 | BB25-115 | BB50-115 | BB100-115 | BB200-115 |
|--|---|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Article numbers for 230 V / 50 Hz variants | - | - | BB12-230 | BB25-230 | BB50-230 | BB100-230 | BB200-230 |
| max. filling capacity | - | - | 12 l | 25 l | 50 l | 100 l | 200 l |
| max. filling weight (0.85 m/min) | - | - | 50 kg | 60 kg | 70 kg | 80 kg | 90 kg |
| Rated voltage [V] | - | - | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz |
| Current consumption [A] | - | - | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V |
| Motor power [W] | - | - | 90 | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | - | - | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Belt hopper with 400 V / 50 Hz and 460 V / 60 Hz three-phase drive, 0.85 m/min belt speed

| Article numbers for 400 V / 50 Hz variants | - | - | BB12-400 | BB25-400 | BB50-400 | BB100-400 | BB200-400 |
|--|---|---|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Article numbers for 460 V / 60 Hz variants | - | - | BB12-460 | BB25-460 | BB50-460 | BB100-460 | BB200-460 |
| max. filling capacity | - | - | 12 l | 25 l | 50 l | 100 l | 200 l |
| max. filling weight (0.85 m/min) | - | - | 60 kg | 70 kg | 80 kg | 90 kg | 100 kg |
| Rated voltage [V] | - | - | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz |
| Current consumption [A] | - | - | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | - | - | 90 | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | - | - | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

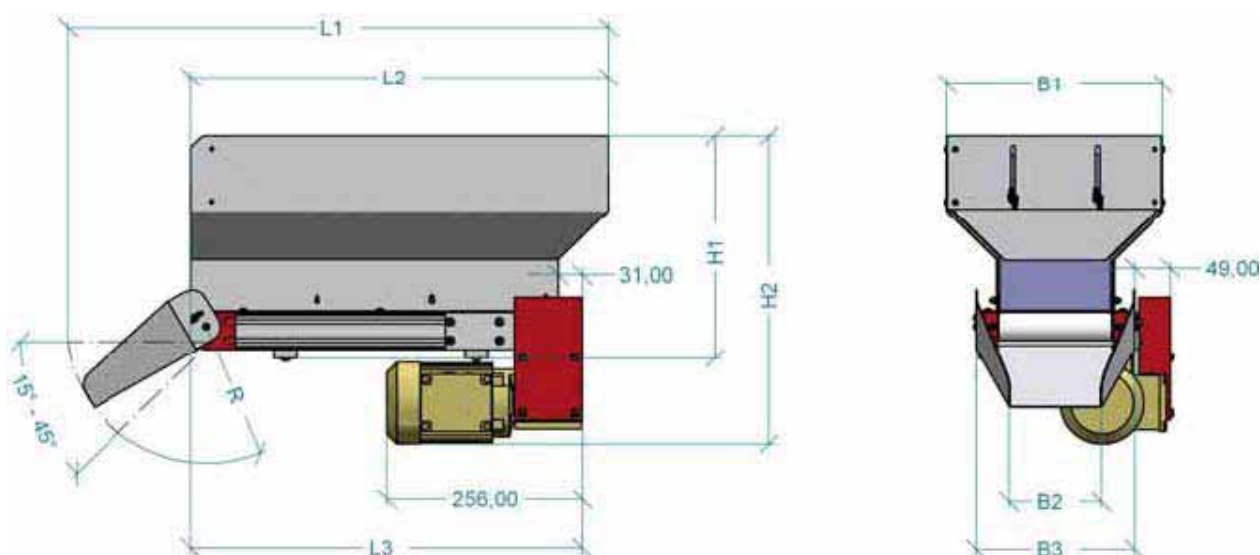
Dimensions and weights

Belt hopper BB3.5 - BB200 with 24 V drive kit



| Article number | Litres | Kg | L1 | L2 | L3 | W1 | W2 | W3 | H1 | R |
|----------------|--------|----|------|------|-----|-----|-----|-----|-----|-----|
| BB3.5 | 3,5 | 30 | 377 | 292 | 302 | 150 | 70 | 146 | 177 | 117 |
| BB6 | 6 | 35 | 457 | 357 | 362 | 180 | 90 | 166 | 197 | 137 |
| BB12 | 12 | 40 | 552 | 427 | 422 | 230 | 110 | 196 | 232 | 172 |
| BB25 | 25 | 50 | 662 | 547 | 522 | 280 | 120 | 206 | 297 | 182 |
| BB50 | 50 | 50 | 787 | 662 | 622 | 350 | 150 | 246 | 362 | 207 |
| BB100 | 100 | 50 | 987 | 832 | 772 | 440 | 190 | 296 | 432 | 257 |
| BB200 | 200 | 50 | 1247 | 1057 | 972 | 550 | 240 | 356 | 532 | 317 |

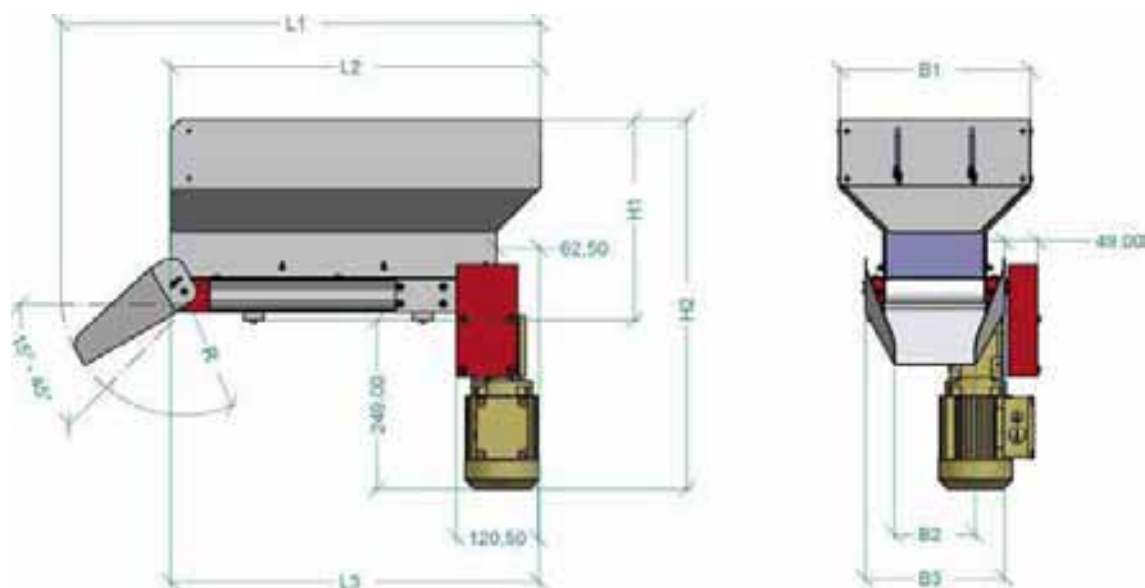
Belt hopper BB12 - BB200 with 115 V, 230 V, 400 V or 460 V drive kit mounted horizontally



| Article number | Litres | Kg | L1 | L2 | L3 | W1 | W2 | W3 | H1 | H2 | R |
|----------------|--------|-----|------|------|-----|-----|-----|-----|-----|-------|-----|
| BB12 | 12 | 60 | 552 | 427 | 413 | 230 | 110 | 196 | 232 | 346,5 | 172 |
| BB25 | 25 | 70 | 662 | 547 | 513 | 280 | 120 | 206 | 297 | 411,5 | 182 |
| BB50 | 50 | 80 | 787 | 662 | 613 | 350 | 150 | 246 | 362 | 476,5 | 207 |
| BB100 | 100 | 90 | 987 | 832 | 763 | 440 | 190 | 296 | 432 | 546,5 | 257 |
| BB200 | 200 | 100 | 1247 | 1057 | 963 | 550 | 240 | 356 | 532 | 646,5 | 317 |

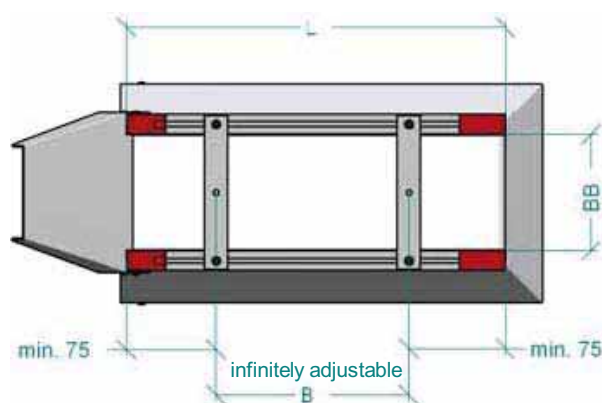
Dimensions and weights

Belt hopper BB12 - BB200 with 115 V, 230 V, 400 V or 460 V drive kit mounted vertically



| Article number | Litres | Kg | L1 | L2 | L3 | W1 | W2 | W3 | H1 | H2 | R |
|----------------|--------|-----|------|------|-------|-----|-----|-----|-----|-----|-----|
| BB12 | 12 | 60 | 552 | 427 | 444,5 | 230 | 110 | 196 | 232 | 481 | 172 |
| BB25 | 25 | 70 | 662 | 547 | 544,5 | 280 | 120 | 206 | 297 | 546 | 182 |
| BB50 | 50 | 80 | 787 | 662 | 644,5 | 350 | 150 | 246 | 362 | 611 | 207 |
| BB100 | 100 | 90 | 987 | 832 | 794,5 | 440 | 190 | 296 | 432 | 681 | 257 |
| BB200 | 200 | 100 | 1247 | 1057 | 994,5 | 550 | 240 | 356 | 532 | 781 | 317 |

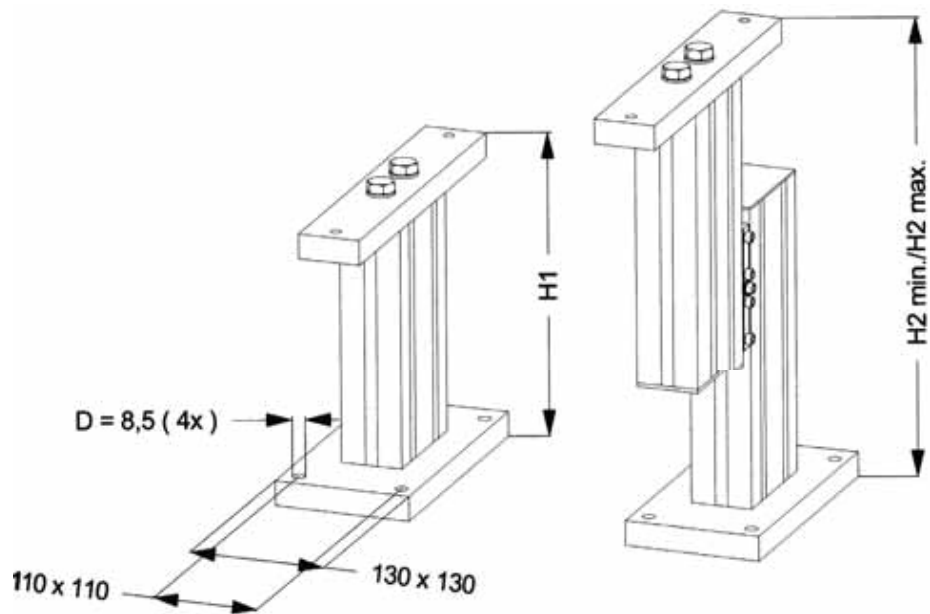
Fastening strips for belt hoppers BB3.5 - BB200



| Article number | W | BB | L |
|----------------|-----------|-----|-----|
| BB3.5 | 80 - 130 | 90 | 280 |
| BB6 | 100 - 190 | 110 | 340 |
| BB12 | 150 - 250 | 140 | 400 |
| BB25 | 210 - 350 | 150 | 500 |
| BB50 | 280 - 450 | 190 | 600 |
| BB100 | 350 - 600 | 240 | 750 |
| BB200 | 450 - 800 | 300 | 950 |

Dimensions and weights (accessories)

Stands BB3.5-ST..... to BB50-ST.....

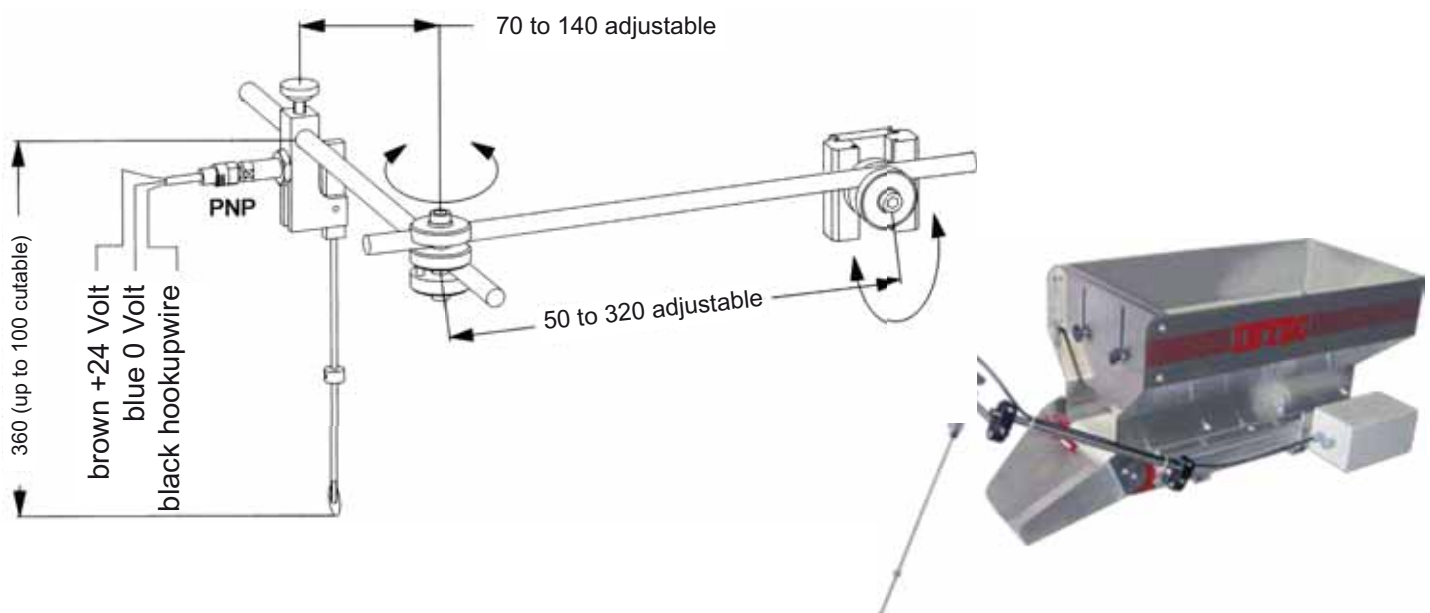


| Article number | H1 | H2 [H2 min. = H2-15%] [H2 max. = H2+15%] |
|----------------------|---|---|
| BB3.5-ST..... | Height (e.g. sorting device) + approx. 55 mm | Height (e.g. sorting device) + approx. 55 mm |
| BB6-ST..... | Height (e.g. sorting device) + approx. 65 mm | Height (e.g. sorting device) + approx. 65 mm |
| BB12-ST..... | Height (e.g. sorting device) + approx. 80 mm | Height (e.g. sorting device) + approx. 80 mm |
| BB25-ST..... | Height (e.g. sorting device) + approx. 90 mm | Height (e.g. sorting device) + approx. 90 mm |
| BB50-ST..... | Height (e.g. sorting device) + approx. 100 mm | Height (e.g. sorting device) + approx. 100 mm |
| BB100-ST..... | Height (e.g. sorting device) + approx. 125 mm | Height (e.g. sorting device) + approx. 125 mm |
| BB200-ST..... | Height (e.g. sorting device) + approx. 150 mm | Height (e.g. sorting device) + approx. 150 mm |

All height information is based on current experience and can vary depending on the application.

Stands for the installation sizes **BB50-ST..... to BB200-ST.....** are adapted according to weight requirement and height and are usually designed as **double stand**.

Level sensor



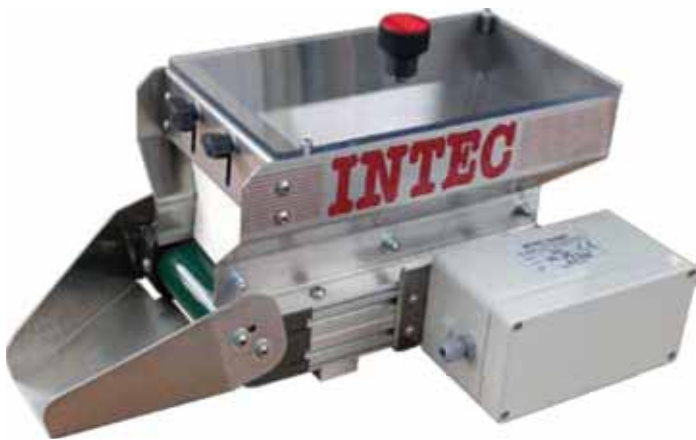
Special solutions and examples

Special designs

Special design:
BB25 with belt frame extension and
hatch for fast emptying

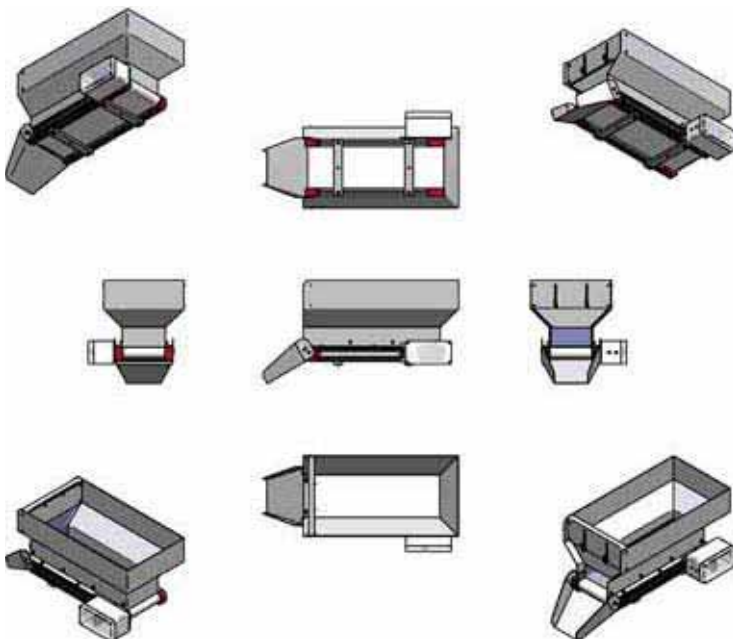


Special design:
Belt hopper with food safe design with
hard-coated diverter heads, antistatic
conveyor belt and cover hood



Naturally, we also supply special designs according to **your requirements.**

2D and 3D CAD libraries



We can of course also provide you with 2D and 3D CAD libraries (DXF, IGS, Step, etc.) for our belt hopper series. Please contact us or visit our Website.

Tel. 09402/9329-0

Fax 09402/9329-33

www.intec-ger.de



Item selection list - Belt hoppers

| Article number | | | | | | |
|--|--|---|---|---|--|--|
| BB3.5 (3.5 litres) | BB6 (6 litres) | BB12 (12 litres) | BB25 (25 litres) | BB50 (50 litres) | BB100 (100 litres) | BB200 (200 litres) |
| BB3.5-24-0.1 Filling weight max. 30 Kg | BB6-24-0.1 Filling weight max. 35 Kg | BB12-24-0.1 Filling weight max. 40 Kg | BB25-24-0.1 Filling weight max. 50 Kg | BB50-24-0.1 Filling weight max. 50 Kg | BB100-24-0.1 Filling weight max. 50 Kg | BB200-24-0.1 Filling weight max. 50 Kg |
| BB3.5-24-0.4 Filling weight max. 20 Kg | BB6-24-0.4 Filling weight max. 20 Kg | BB12-24-0.4 Filling weight max. 20 Kg | BB25-24-0.4 Filling weight max. 20 Kg | BB50-24-0.4 Filling weight max. 20 Kg | BB100-24-0.4 Filling weight max. 20 Kg | BB200-24-0.4 Filling weight max. 20 Kg |
| BB3.5-24-0.8 Filling weight max. 10 Kg | BB6-24-0.8 Filling weight max. 10 Kg | BB12-24-0.8 Filling weight max. 10 Kg | BB25-24-0.8 Filling weight max. 10 Kg | BB50-24-0.8 Filling weight max. 10 Kg | not available | |
| not available | | BB12-400 Filling weight max. 60 Kg | BB25-400 Filling weight max. 70 Kg | BB50-400 Filling weight max. 80 Kg | BB100-400 Filling weight max. 90 Kg | BB200-400 Filling weight max. 100 Kg |
| not available | | BB12-230 Filling weight max. 50 Kg | BB25-230 Filling weight max. 60 Kg | BB50-230 Filling weight max. 70 Kg | BB100-230 Filling weight max. 80 Kg | BB200-230 Filling weight max. 90 Kg |
| not available | | BB12-460 Filling weight max. 60 Kg | BB25-460 Filling weight max. 70 Kg | BB50-460 Filling weight max. 80 Kg | BB100-460 Filling weight max. 90 Kg | BB200-460 Filling weight max. 100 Kg |
| not available | | BB12-115 Filling weight max. 50 Kg | BB25-115 Filling weight max. 60 Kg | BB50-115 Filling weight max. 70 Kg | BB100-115 Filling weight max. 80 Kg | BB200-115 Filling weight max. 90 Kg |
| BB3.5-FB-EB | BB6-FB-EB | BB12-FB-EB | BB25-FB-EB | BB50-FB-EB | BB100-FB-EB | BB200-FB-EB |
| BB3.5-SV-GS | BB6-SV-GS | BB12-SV-GS | BB25-SV-GS | BB50-SV-GS | BB100-SV-GS | BB200-SV-GS |
| BB3.5-SV-LE | BB6-SV-LE | BB12-SV-LE | BB25-SV-LE | BB50-SV-LE | BB100-SV-LE | BB200-SV-LE |
| BB3.5-TG-PUG | BB6-TG-PUG | BB12-TG-PUG | BB25-TG-PUG | BB50-TG-PUG | BB100-TG-PUG | BB200-TG-PUG |
| BB3.5-TG-PUS | BB6-TG-PUS | BB12-TG-PUS | BB25-TG-PUS | BB50-TG-PUS | BB100-TG-PUS | BB200-TG-PUS |
| BB3.5-TG-PUW | BB6-TG-PUW | BB12-TG-PUW | BB25-TG-PUW | BB50-TG-PUW | BB100-TG-PUW | BB200-TG-PUW |
| BB3.5-TG-HRN | BB6-TG-HRN | BB12-TG-HRN | BB25-TG-HRN | BB50-TG-HRN | BB100-TG-HRN | BB200-TG-HRN |
| BB3.5-TG-HRLR | BB6-TG-HRLR | BB12-TG-HRLR | BB25-TG-HRLR | BB50-TG-HRLR | BB100-TG-HRLR | BB200-TG-HRLR |
| BB3.5-AH | BB6-AH | BB12-AH | BB25-AH | BB50-AH | BB100-AH | BB200-AH |
| BB3.5-AHS | BB6-AHS | BB12-AHS | BB25-AHS | BB50-AHS | BB100-AHS | BB200-AHS |
| SD-24DC | | | | | | |
| NT-230AC-24DC | | | | | | |
| NF-24DC | | | | | | |
| BB3.5-STKH-.... | BB6-STKH-.... | BB12-STKH-.... | BB25-STKH-.... | BB50-STKH-.... | BB100-STKH-.... | BB200-STKH-.... |
| BB3.5-STEh-.... | BB6-STEh-.... | BB12-STEh-.... | BB25-STEh-.... | BB50-STEh-.... | BB100-STEh-.... | BB200-STEh-.... |
| BB3.5-KSE | BB6-KSE | BB12-KSE | BB25-KSE | BB50-KSE | BB100-KSE | BB200-KSE |
| BB3.5-FUW | BB6-FUW | BB12-FUW | BB25-FUW | BB50-FUW | BB100-FUW | BB200-FUW |
| BB-OL | | | | | | |

THE INCLINED HOPPER



Application areas:

- parts supply for sorting and feeding equipment
- loading packaging systems
- loading weighing machines and counting apparatus
- metered parts supply, also at manual workplaces
- and can be used in the foodstuffs and pharmaceutical sectors

Significant extension of the manual refilling cycles for sorting equipment.

Depending on the belt hopper size, this can be several times the normal refilling time.

The frequency of sorting equipment malfunctions is significantly reduced.

Why? Sorting devices "run" most reliably with a specified filling level if the filling level can be kept almost constant in doing so. As a person cannot permanently "keep topping up" in practice for economic reasons, a certain malfunction frequency has been lived with to date.

The INTEC inclined hopper provides an elegant solution here. The filling level is automatically maintained at the desired level by the integrated filling level monitoring. The slowly running belt hopper dispenses the required quantity into the sorting device gradually and gently (without vibration) and switches off automatically when the specified filling level is reached.

More compact system dimensions for assembly machines.

For example, if a sorting device with stepped bowl without belt feeder required a specified diameter, the space requirement for a sorting device in combination with a belt hopper can usually be halved or even reduced further. The cost savings for smaller sorting equipment are usually more than the additional costs for an INTEC inclined hopper.

Additional benefits of the INTEC inclined hopper.

- supplying parts without increasing the filling height
- hopper bowls made of stainless steel and many different versions of conveyor belts
- 24 Volt to 460 Volt regulated or unregulated drives with switching equipment for direct control
- inclined hopper capacities from 12 litres to 100 litres for almost every application
- adjustable mounting stands for installation of the inclined hoppers in a complete system

The following are a matter of course for INTEC:

- 24 months warranty - CE conformity -
- neutral version (without INTEC logo) on request
- special versions as specified by the customer
- 2D and 3D CAD libraries

Benefits and configuration of the inclined hopper

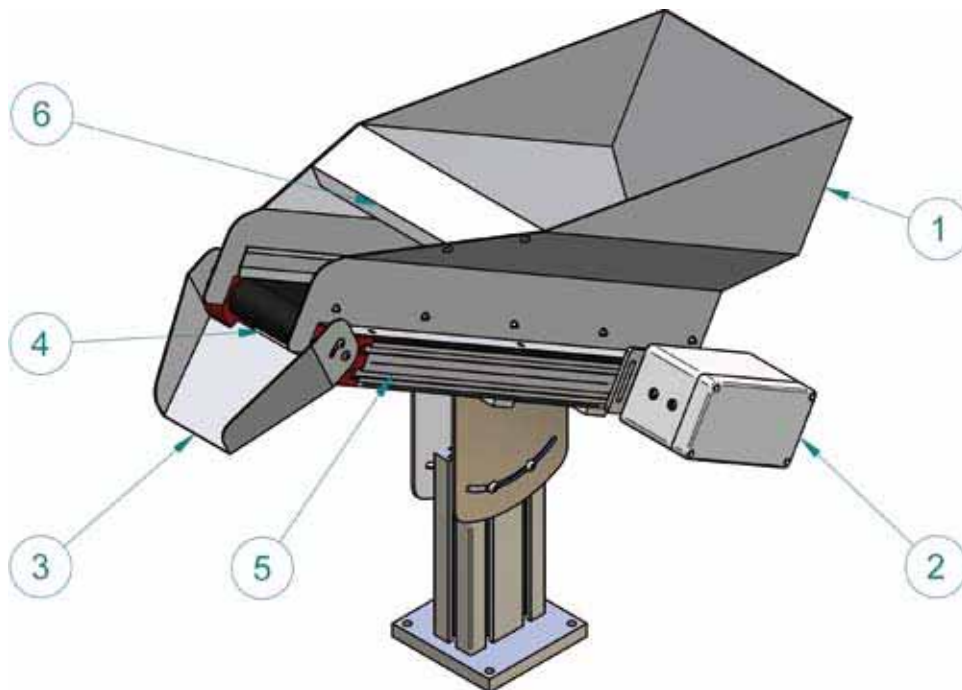
Benefit: Ergonomic filling without pedestal

An inclined hopper has the benefit that the filling height of the hopper opposite the sorting device does not increase. The retrofitting of an inclined hopper in an existing complete system is feasible without additional pedestal and without ergonomic drawbacks. An investment which pays for itself quickly.

Disadvantage: not suitable for all parts

The only drawback of the inclined hopper is that it cannot supply every part. The basic prerequisite is that the parts do not hook into each other extremely and that the parts can be raised by the conveyor belt (with high friction coefficient, however without studs) above the adjustable inclined position (20° - 40°). Most part geometries can be processed without problems, however, spheres or pressure springs with thin wire thickness for example are not suitable.

Configuration of the basic unit



| Pos | Article number | SRB12 | SRB25 | SRB50 | SRB100 |
|-----|---|-------|-------|-------|--------|
| 1 | Hopper bowl made of stainless steel | S | S | S | S |
| 2 | Drive kit depending on requirement | S | S | S | S |
| 3 | Part chute made of stainless steel, underside lined with sound damping mat, discharge gradient infinitely adjustable from 0° to 45° | S | S | S | S |
| 4 | Conveyor belt with high friction coefficient and longitudinal groove structure | S | S | S | S |
| 5 | Belt frame made of anodised aluminium profile with lateral T-slots | S | S | S | S |
| 6 | Front panel made of stainless steel | S | S | S | S |

S = standard configuration - = not available



**Please note the technical data
(see page 30)**

Accessories and special configurations

Conveyor belts

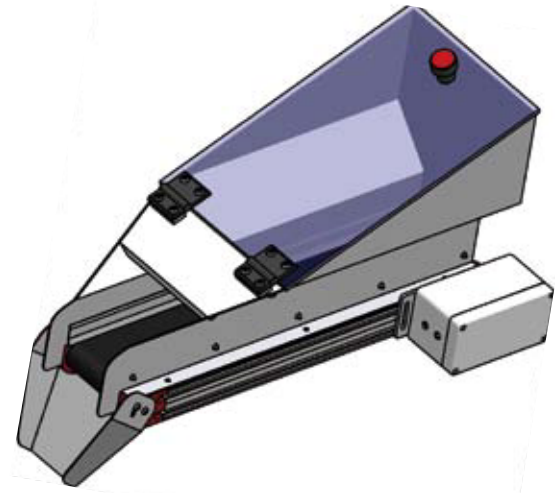


- a) with high friction coefficient - longitudinal groove structure (included in the basic unit)
- b) with high friction coefficient - pimpled

Article number: SRB.....TG-HRN (pimpled)

Available for all hopper sizes

Cover hood made of Makrolon

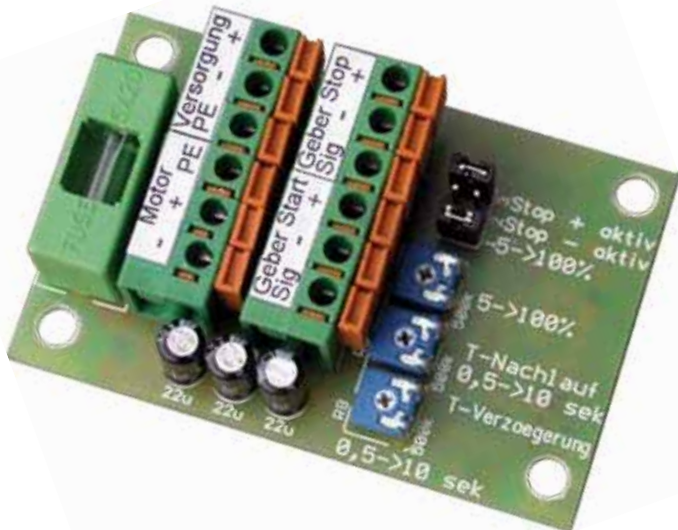


Makrolon cover hood with hinge - pivotable

Article number: SRB.....AHS (with hinge)

Available for all hopper sizes

Controller board for 24 V drive kit

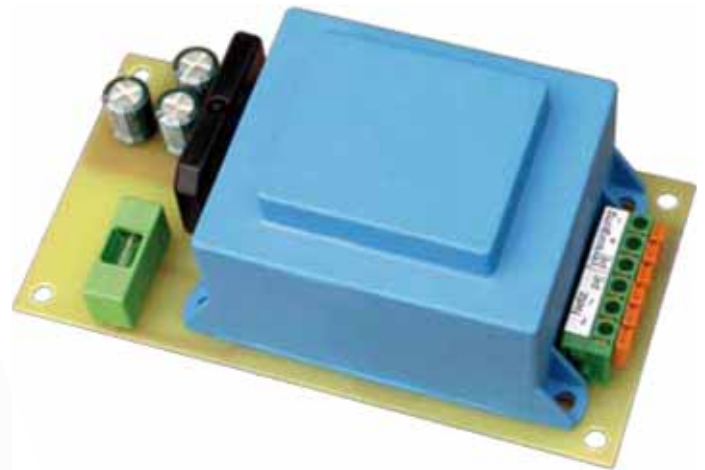


The controller board for the 24 V drive kit is fitted with an adjustable switching relay (0.5 s-10 s cut-in delay and 0.5 s -10 s run-on time), speed regulation (5% - 100%) and another input (e.g. from the sorting device - HIGH or LOW signal). All functions can be activated or deactivated using jumpers.

Article number: SD-24DC

Available for all hopper sizes

Mains adapter for 24 V drive kit



The 24 V mains adapter is matched to the 24 V drive kits. It is supplied in its own case and is securely attached to the inclined hopper. The inclined hopper can thus be directly connected to a 230 V mains power supply.

Article number: NT-230AC-24DC

Available for all hopper sizes

Accessories and special configurations

Level sensor



The level sensor can be adjusted in every direction and is supplied with a (PNP switching) sensor.

Article number: NF-24DC

Available for all hopper sizes

Hatch for fast emptying

The hatch must be opened with the quick action fastening and can be folded upwards using a hinge.

Article number: SRB.....-KSE

Available for all hopper sizes

Filling level monitoring in the hopper bowl

If required, the filling level monitoring in the hopper bowl will be positioned specifically for the part.

Article number: SRB.....-FUW

Available for all hopper sizes

24 V drive kits

Selection already in the base unit, see page 33



- a) 24 V drive kit with 0.1 m/min belt speed
- b) 24 V drive kit with 0.4 m/min belt speed
- c) 24 V drive kit with 0.8 m/min belt speed

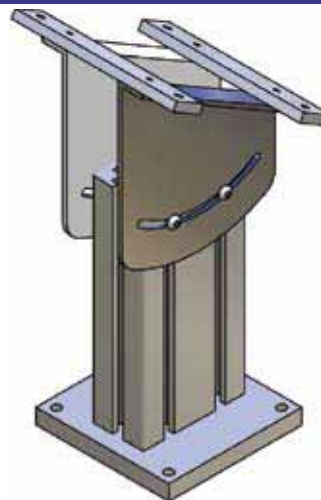
Article number: SRB.....-24-0.1

Article number: SRB.....-24-0.4 (max. filling weight: 20 KG)

Article number: SRB.....-24-0.8 (max. filling weight: 10 KG)

Already selectable in the base unit

Stands



The inclined hopper stands can be adjusted in all directions.

Inclined position 20° - 40°

Height: ± 30 mm

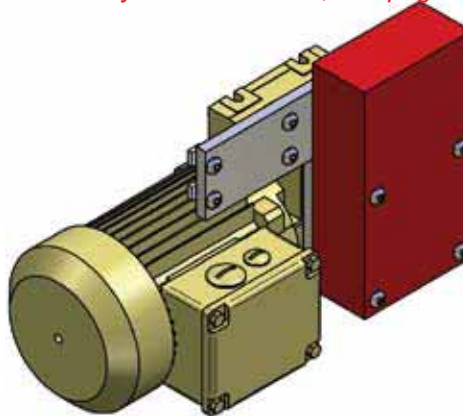
The stand can also be moved over the longitudinal bar of the belt frame. The inclined hopper can thus be optimally adjusted for the respective conditions.

Article number: SRB.....-STKH.....

Available for all hopper sizes

115 V, 230 V, 400 V and 460 V drive kits

Selection already in the base unit, see page 33



- a) 115 V / 60 Hz drive kit - 0.85 m/min.
- b) 230 V / 50 Hz drive kit - 0.85 m/min.
- c) 400 V / 50 Hz drive kit - 0.85 m/min.
- d) 460 V / 60 Hz drive kit - 0.85 m/min.

other drive variants on request

Article number: SRB.....-115 (60 Hz)

Article number: SRB.....-230 (50 Hz)

Article number: SRB.....-400 (50 Hz)

Article number: SRB.....-460 (60 Hz)

Already selectable in the base unit



**Please note the technical data
(see page 30)**

Technical Data

Inclined hopper with 24 V DC drive, 0.1 m/min belt speed

| Article number | SRB12-24-0.1 | SRB25-24-0.1 | SRB50-24-0.1 | SRB100-24-0.1 |
|--|--------------|--------------|--------------|---------------|
| max. filling capacity | 12 l | 25 l | 50 l | 100 l |
| max. filling weight (24 V - 0.1 m/min) | 40 kg | 50 kg | 50 kg | 50 kg |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 10 | 10 | 10 | 10 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Inclined hopper with 24 V DC drive, 0.4 m/min belt speed

| Article number | SRB12-24-0.4 | SRB25-24-0.4 | SRB50-24-0.4 | SRB100-24-0.4 |
|--|--------------|--------------|--------------|---------------|
| max. filling capacity | 12 l | 25 l | 50 l | 100 l |
| max. filling weight (24 V - 0.4 m/min) | 20 kg | 20 kg | 20 kg | 20 kg |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 10 | 10 | 10 | 10 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Inclined hopper with 24 V DC drive, 0.8 m/min belt speed

| Article number | SRB12-24-0.8 | SRB25-24-0.8 | SRB50-24-0.8 | SRB100-24-0.8 |
|--|--------------|--------------|--------------|---------------|
| max. filling capacity | 12 l | 25 l | 50 l | 100 l |
| max. filling weight (24 V - 0.8 m/min) | 10 kg | 10 kg | 10 kg | 10 kg |
| Rated voltage [V] | 24 V= | 24 V= | 24 V= | 24 V= |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 10 | 10 | 10 | 10 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Inclined hopper with 115 V / 60 Hz and 230 V / 50 Hz AC drive, 0.85 m/min belt speed

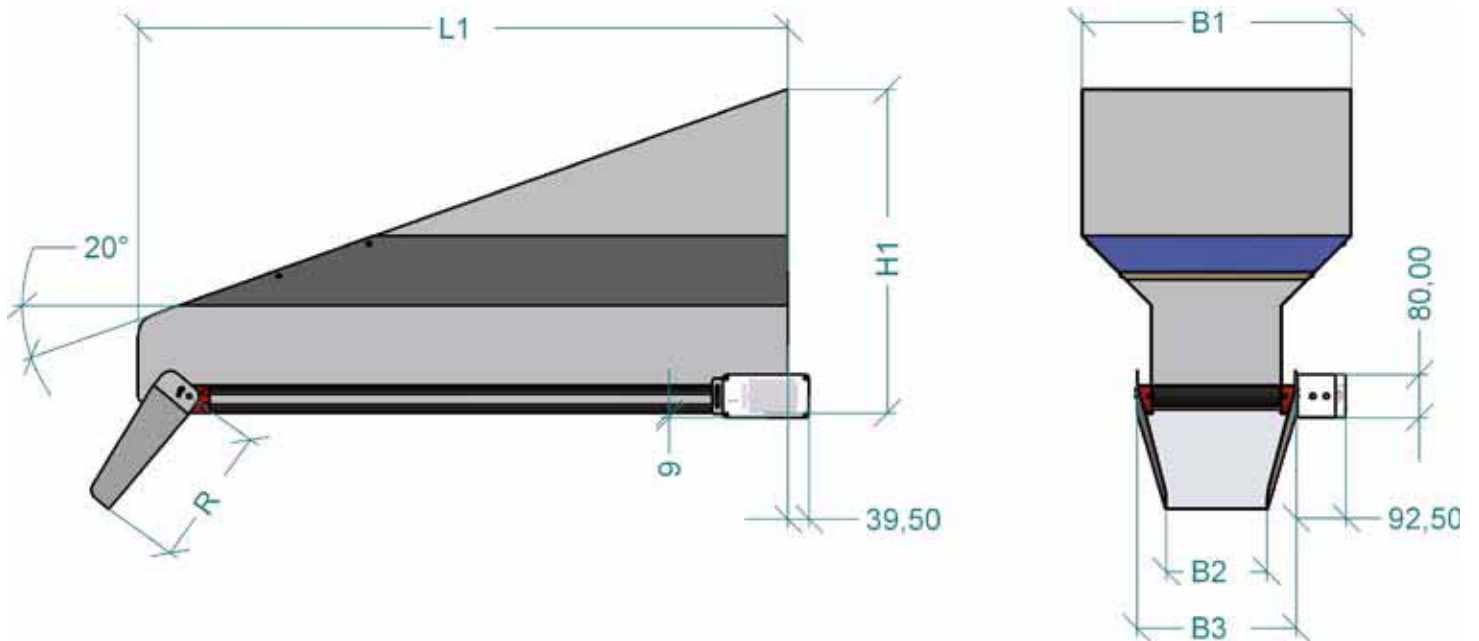
| Article numbers for 115 V / 60 Hz variants | SRB12-115 | SRB25-115 | SRB50-115 | SRB100-115 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Article numbers for 230 V / 50 Hz variants | SRB12-230 | SRB25-230 | SRB50-230 | SRB100-230 |
| max. filling capacity | 12 l | 25 l | 50 l | 100 l |
| max. filling weight (0.85 m/min) | 50 kg | 60 kg | 70 kg | 80 kg |
| Rated voltage [V] | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz |
| Current consumption [A] | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V |
| Motor power [W] | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Inclined hopper with 400 V / 50 Hz and 460 V / 60 Hz three-phase drive, 0.85 m/min belt speed

| Article numbers for 400 V / 50 Hz variants | SRB12-400 | SRB25-400 | SRB50-400 | SRB100-400 |
|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Article numbers for 460 V / 60 Hz variants | SRB12-460 | SRB25-460 | SRB50-460 | SRB100-460 |
| max. filling capacity | 12 l | 25 l | 50 l | 100 l |
| max. filling weight (0.85 m/min) | 60 kg | 70 kg | 80 kg | 90 kg |
| Rated voltage [V] | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

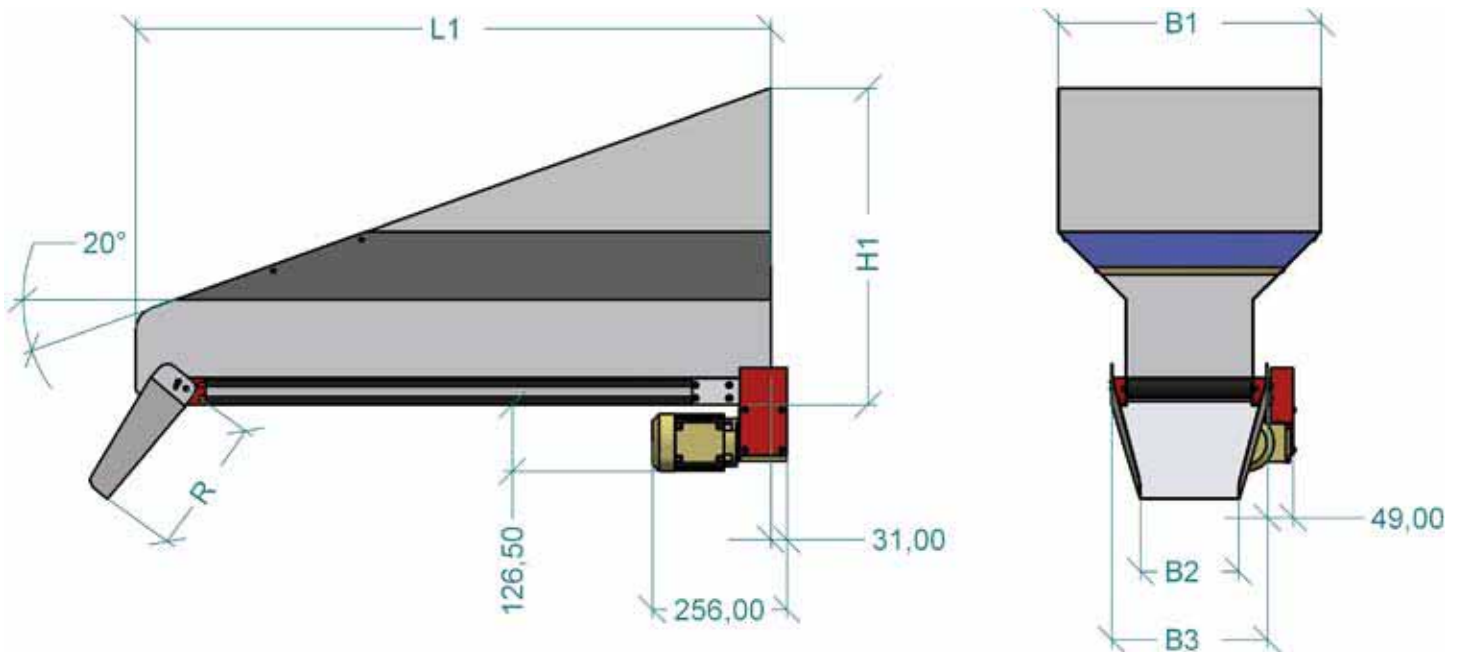
Dimensions and weights

Inclined hopper SRB12 - SRB100 with 24 V drive kit



| Article number | Litres | Kg | L1 | W1 | W2 | W3 | H1 | R |
|----------------|--------|-------|------|-----|-----|-----|-----|-----|
| SRB12 | 12 | 10-40 | 617 | 250 | 90 | 166 | 280 | 137 |
| SRB25 | 25 | 10-50 | 777 | 300 | 110 | 196 | 350 | 172 |
| SRB50 | 50 | 10-50 | 942 | 400 | 150 | 246 | 440 | 207 |
| SRB100 | 100 | 10-50 | 1207 | 500 | 190 | 296 | 550 | 257 |

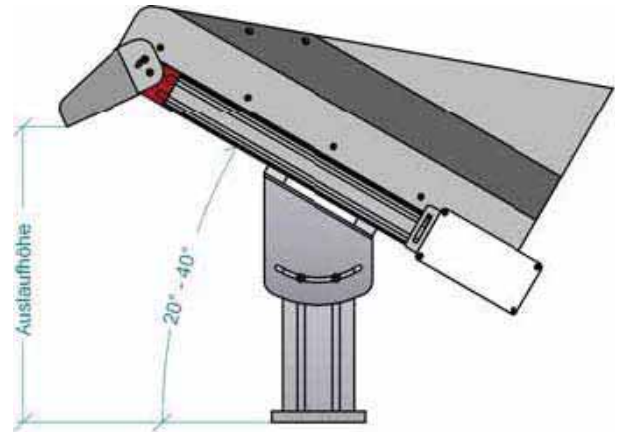
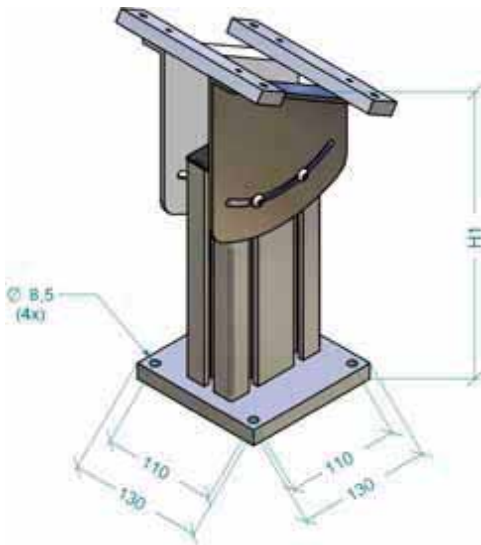
Inclined hopper SRB12 - SRB100 with 115 V, 230 V, 400 V or 460 V drive kit mounted horizontally



| Article number | Litres | Kg | L1 | W1 | W2 | W3 | H1 | R |
|----------------|--------|-------|------|-----|-----|-----|-----|-----|
| SRB12 | 12 | 50-60 | 617 | 250 | 90 | 166 | 280 | 137 |
| SRB25 | 25 | 60-70 | 777 | 300 | 110 | 196 | 350 | 172 |
| SRB50 | 50 | 70-80 | 942 | 400 | 150 | 246 | 440 | 207 |
| SRB100 | 100 | 80-90 | 1207 | 500 | 190 | 296 | 550 | 257 |

Dimensions and weights (accessories)

adjustable stands for SRB12 and SRB25

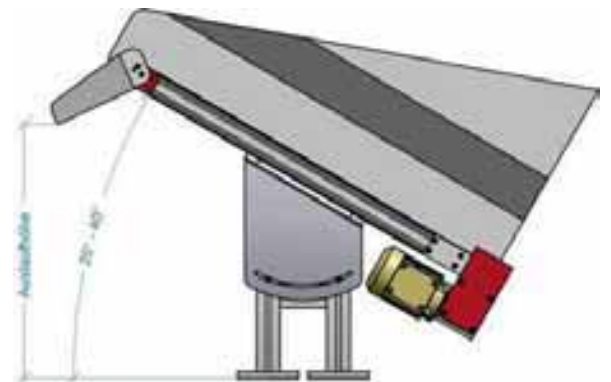
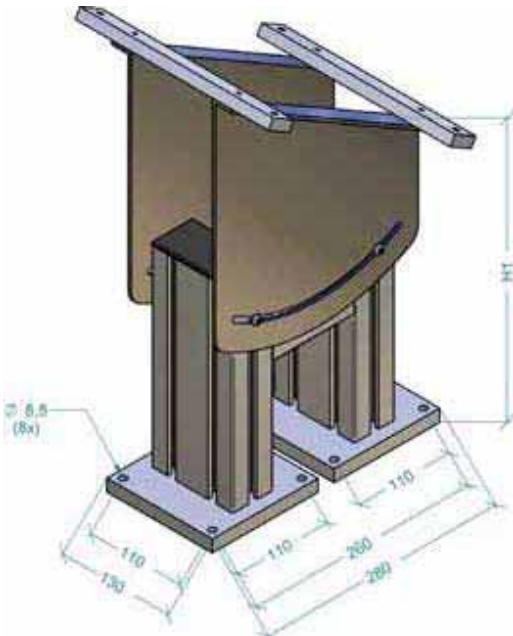


| Article number | H1 | adjustable height | Inclined position |
|------------------|---|-------------------|-------------------|
| SRB12-STKH-..... | desired discharge height - 80 mm (for 30° inclined position) | H1 ±30 | 20° - 40° |
| SRB25-STKH-..... | desired discharge height - 125 mm (for 30° inclined position) | H1 ±30 | 20° - 40° |

All height information is based on current experience and can vary depending on the application.

The stands can be infinitely adjusted on the belt frame longitudinal profile. In this way, it is also possible to adjust the discharge height.

adjustable stands for SRB50 and SRB100



| Article number | H1 | adjustable height | Inclined position |
|-------------------|---|-------------------|-------------------|
| SRB50-STKH-..... | desired discharge height - 140 mm (for 30° inclined position) | H1 ±40 | 20° - 40° |
| SRB100-STKH-..... | desired discharge height - 250 mm (for 30° inclined position) | H1 ±40 | 20° - 40° |

All height information is based on current experience and can vary depending on the application.

The stands can be infinitely adjusted on the belt frame longitudinal profile. In this way, it is also possible to adjust the discharge height.

Item selection list - Inclined hoppers

| | | Article number | | | |
|------------------------------|--|---|---|---|--|
| | | SRB12 (12 litres) | SRB25 (25 litres) | SRB50 (50 litres) | SRB100 (100 litres) |
| see catalogue, page 27 | Basic unit, including 24 V drive and belt speed 0.1m/min | SRB12-24-0.1 Filling weight max. 40 Kg | SRB25-24-0.1 Filling weight max. 50 Kg | SRB50-24-0.1 Filling weight max. 50 Kg | SRB100-24-0.1 Filling weight max. 50 Kg |
| | Basic unit, including 24 V drive and belt speed 0.4m/min | SRB12-24-0.4 Filling weight max. 20 Kg | SRB25-24-0.4 Filling weight max. 20 Kg | SRB50-24-0.4 Filling weight max. 20 Kg | SRB100-24-0.4 Filling weight max. 20 Kg |
| | Basic unit, including 24 V drive and belt speed 0.8m/min | SRB12-24-0.8 Filling weight max. 10 Kg | SRB25-24-0.8 Filling weight max. 10 Kg | SRB50-24-0.8 Filling weight max. 10 Kg | SRB100-24-0.8 Filling weight max. 10 Kg |
| see catalogue, page 27 | Basic unit, including 400 V / 50 Hz drive and belt speed 0.85m/min | SRB12-400 Filling weight max. 60 Kg | SRB25-400 Filling weight max. 70 Kg | SRB50-400 Filling weight max. 80 Kg | SRB100-400 Filling weight max. 90 Kg |
| | Basic unit, including 230 V / 50 Hz drive and belt speed 0.85m/min | SRB12-230 Filling weight max. 50 Kg | SRB25-230 Filling weight max. 60 Kg | SRB50-230 Filling weight max. 70 Kg | SRB100-230 Filling weight max. 80 Kg |
| | Basic unit, including 460 V / 60 Hz drive and belt speed 0.85m/min | SRB12-460 Filling weight max. 60 Kg | SRB25-460 Filling weight max. 70 Kg | SRB50-460 Filling weight max. 80 Kg | SRB100-460 Filling weight max. 90 Kg |
| | Basic unit, including 115 V / 60 Hz drive and belt speed 0.85m/min | SRB12-115 Filling weight max. 50 Kg | SRB25-115 Filling weight max. 60 Kg | SRB50-115 Filling weight max. 70 Kg | SRB100-115 Filling weight max. 80 Kg |
| see catalogue, page 28 | Conveyor belt with high friction coefficient - pimpled | SRB12-TG-HRN | SRB25-TG-HRN | SRB50-TG-HRN | SRB100-TG-HRN |
| see catalogue, page 28 | Cover hood made of Makrolon with hinge | SRB12-AHS | SRB25-AHS | SRB50-AHS | SRB100-AHS |
| see catalogue, page 28 | Controller board for 24 V DC drives | SD-24DC | | | |
| see catalogue, page 28 | Mains adapter 210 V~250 V AC and 50 Hz~60 Hz for 24V DC drives | NT-230AC-24DC | | | |
| see catalogue, page 28 | Level sensor with 24 V DC PNP- switching sensor | NF-24DC | | | |
| see catalogue, page 29 | Stand - adjustable inclined position | SRB12-STKH-..... | SRB25-STKH-..... | SRB50-STKH-..... | SRB100-STKH-..... |
| see catalogue, page 29 | Hatch for fast emptying | SRB12-KSE | SRB25-KSE | SRB50-KSE | SRB100-KSE |
| see catalogue, page 29 | Filling level monitoring in the hopper bowl | SRB12-FUW | SRB25-FUW | SRB50-FUW | SRB100-FUW |
| without INTEC logo | | SRB-OL | | | |

2D and 3D CAD libraries



We can of course also provide you with 2D and 3D CAD libraries (DXF, IGS, Step, etc.) for our inclined hopper series. Please contact us or visit our Website.

Tel. 09402/9329-0
Fax 09402/9329-33

www.intec-ger.de

THE STEEP HOPPER



Application areas:

- parts supply for sorting and feeding equipment
- loading packaging systems
- loading weighing machines and counting apparatus
- metered parts supply, also at manual workplaces
- can be used in the foodstuffs and pharmaceutical sectors

Ergonomic filling

A significant benefit of steep hoppers is the "height advantage" of up to 3000 mm for filling the sorting equipment. This ergonomically favourable filling height simplifies the refilling of large part quantities or heavy parts.

Filling difficult to access places

It is possible to supply difficult to access places using a steep hopper.

Additional benefits of the INTEC inclined hopper.

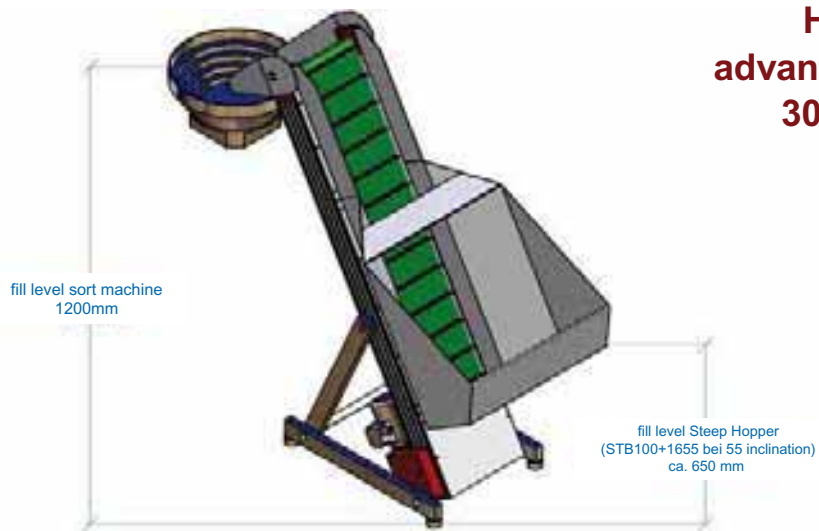
- supplying parts in large quantities
- hopper bowls made of stainless steel and PU-coated conveyor belts
- 115 Volt to 460 Volt regulated or unregulated drives with switching equipment for direct control
- steep hopper capacities from 25 litres to 400 litres for almost every application
- adjustable mounting stands for installation of the steep hoppers in a complete system

The following are a matter of course for INTEC:

- 24 months warranty - CE conformity -
- neutral version (without INTEC logo) on request
- special versions as specified by the customer
- 2D and 3D CAD libraries

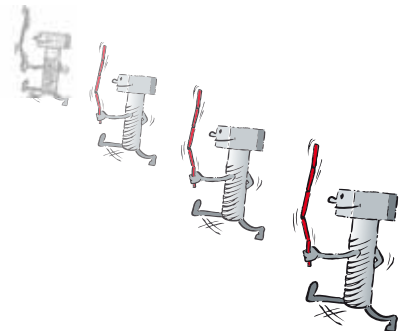
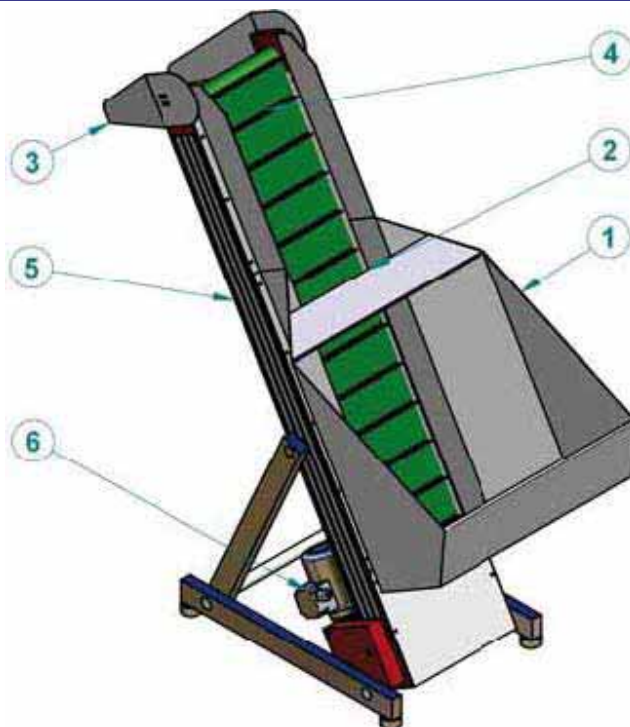
Benefits and configuration of the steep hopper

Benefit: the "height advantage"



**Height
advantage: up to
3000 mm**

Configuration of the basic unit



**Please note the
technical data (see
page 37)**

| Pos | Article number | STB25 | STB50 | STB100 | STB200 | STB400 |
|-----|--|-------|-------|--------|--------|--------|
| 1 | Hopper bowl made of stainless steel | S | S | S | S | S |
| 2 | Front panel made of stainless steel | S | S | S | S | S |
| 3 | Part chute made of stainless steel, underside lined with sound damping mat, discharge gradient infinitely adjustable | S | S | S | S | S |
| 4 | Conveyor belt PU-coated (cut-resistant and oil-resistant) | S | S | S | S | S |
| 5 | Belt frame made of anodised aluminium profile with lateral T-slots | S | S | S | S | S |
| 6 | Drive kit depending on requirement | S | S | S | S | S |

S = standard configuration - = not available

Accessories and special configurations

Cover hood for the hopper bowl

Makrolon cover hood with hinge for the hopper bowl

Article number: STB.....-AHS-BW

Available for all hopper sizes

Makrolon cover for the belt frame

The complete length of the belt frame is covered with Makrolon. This prevents already transported parts at the top from being ejected from the belt frame when "falling back down".

Article number: STB.....-MA-BK

Available for all hopper sizes

Transparent cover for the belt frame

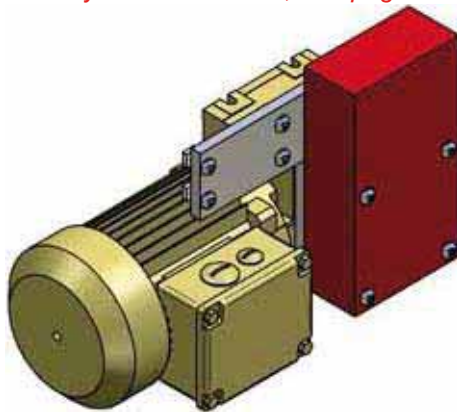
The complete length of the belt frame is covered with a transparent PVC cover. This significantly reduces the "falling back down" when transporting the parts to the top. The operating noise is thus also significantly quieter.

Article number: STB.....-PVC-BK

Available for all hopper sizes

115 V, 230 V, 400 V and 460 V drive kits

Selection already in the base unit, see page 39



- a) 115 V / 60 Hz drive kit - 0.85 m/min.
- b) 230 V / 50 Hz drive kit - 0.85 m/min.
- c) 400 V / 50 Hz drive kit - 0.85 m/min.
- d) 460 V / 60 Hz drive kit - 0.85 m/min.

other drive variants on request

Article number: STB.....-115 (60 Hz)

Article number: STB.....-230 (50 Hz)

Article number: STB.....-400 (50 Hz)

Article number: SRB.....-460 (60 Hz)

Already selectable in the base unit

adjustable stands



adjustable inclined position 40° - 60°

stationary variants:

Article number: STB.....-STS-K (stationary - short version)

Article number: STB.....-STS-L (stationary - long version)

portable variants:

Article number: STB.....-STR-K (portable - short version)

Article number: STB.....-STR-L (portable - long version)

Available for all hopper sizes

Fast emptying for the hopper bowl

The fast emptying slider is arranged so that it is ergonomically favourable and is located on the underside of the bowl. The hopper bowl can be opened easily without tools and emptied quickly.

Article number: STB.....-SES

Available for all hopper sizes

Filling level monitoring in the hopper bowl

If required, the filling level monitoring in the hopper bowl will be positioned specifically for the part.

Article number: STB.....-FUW

Available for all hopper sizes

Heavy duty version

We also provide a part-specific heavy duty version for all steep hopper sizes. The maximum filling weight can be increased up to 200 kg.

Article number: STB.....-SWA

Available for all hopper sizes

Steep hopper with 115 V / 60 Hz and 230 V / 50 Hz AC drive, 1.4 m/min belt speed

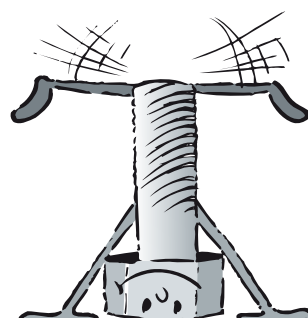
| | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Article numbers for 115 V / 60 Hz variants | STB25-115 | STB50-115 | STB100-115 | STB200-115 | STB400-115 |
| Article numbers for 230 V / 50 Hz variants | STB25-230 | STB50-230 | STB100-230 | STB200-230 | STB400-230 |
| max. filling capacity | 25 l | 50 l | 100 l | 200 l | 400 l |
| max. filling weight (1.4m/min) | 60 kg | 70 kg | 80 kg | 80 kg | 80 kg |
| Rated voltage [V] | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz | 115 V/60 Hz 230 V/50 Hz |
| Current consumption [A] | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V | 0.7 A for 230 V |
| Motor power [W] | 90 | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

Steep hopper with 400 V / 50 Hz and 460 V / 60 Hz three-phase drive, 1.4 m/min belt speed

| | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Article numbers for 400 V / 50 Hz variants | STB25-400 | STB50-400 | STB100-400 | STB200-400 | STB400-400 |
| Article numbers for 460 V / 60 Hz variants | STB25-460 | STB50-460 | STB100-460 | STB200-460 | STB400-460 |
| max. filling capacity | 25 l | 50 l | 100 l | 200 l | 400 l |
| max. filling weight (1.4 m/min) | 70 kg | 80 kg | 90 kg | 100 kg | 100 kg |
| Rated voltage [V] | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 90 | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |

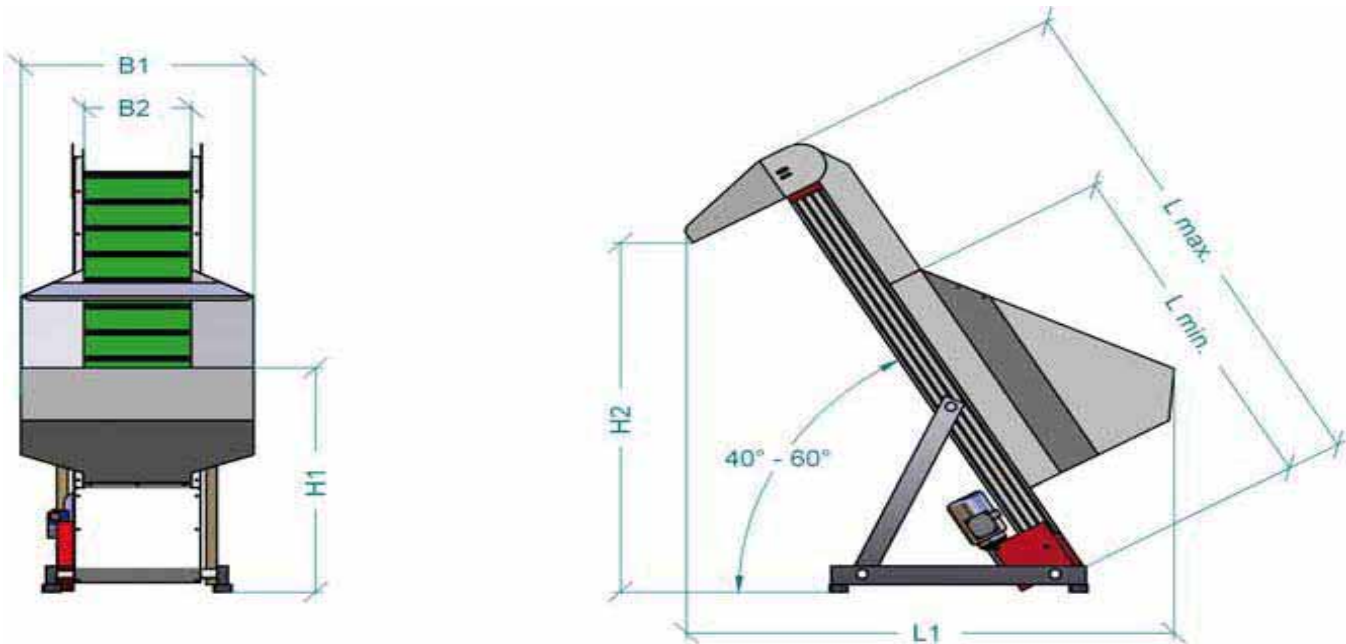
Heavy duty version steep hopper with 400 V / 50 Hz and 460 V / 60 Hz three-phase drive

| | | | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Article numbers for 400 V / 50 Hz variants | STB25-400 | STB50-400 | STB100-400 | STB200-400 | STB400-400 |
| Article numbers for 460 V / 60 Hz variants | STB25-460 | STB50-460 | STB100-460 | STB200-460 | STB400-460 |
| max. filling capacity | 25 l | 50 l | 100 l | 200 l | 400 l |
| max. filling weight (1.4 m/min) and heavy duty version | 200 kg part-specific! | 200 kg part-specific! | 200 kg part-specific! | 200 kg part-specific! | 200 kg part-specific! |
| Rated voltage [V] | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz | 400 V~460 V 50 Hz~60 Hz |
| Current consumption [A] | 0,4 | 0,4 | 0,4 | 0,4 | 0,4 |
| Motor power [W] | 90 | 90 | 90 | 90 | 90 |
| Operating temperature [°C] | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° | -5° to +60° |



Dimensions and weights

Dimensions - Steep hopper STB25 - STB400



| Article number | Litres | Kg | L1 | L min. | L max. | W1 | W2 | H1 | H2 |
|----------------|--------|--------|---|--------|--------|------|-----|-------------|---|
| STB25 | 25 | 60-200 | L1 depends on the dimension "L" and the inclined position! Please contact us for precise information. | 820 | 2870 | 400 | 180 | approx. 600 | H2 depends on the dimension "L" and the inclined position! Please contact us for precise information. |
| STB50 | 50 | 70-200 | | 920 | 2970 | 510 | 230 | approx. 670 | |
| STB100 | 100 | 80-200 | | 1120 | 3170 | 640 | 300 | approx. 750 | |
| STB200 | 200 | 80-200 | | 1320 | 3370 | 860 | 350 | approx. 860 | |
| STB400 | 400 | 80-200 | | 1520 | 3570 | 1000 | 450 | approx. 960 | |

Naturally, we also supply special designs according to **your requirements.**

2D and 3D CAD libraries



We can of course also provide you with 2D and 3D CAD libraries (DXF, IGS, Step, etc.) for our steep hopper series. Please contact us or visit our Website.

Tel. 09402/9329-0
 Fax 09402/9329-33
www.intec-ger.de

Steep hopper enquiry form

Steep hopper

You can copy the enquiry form and send it to us by **fax to +49 (0)9402-9329-33**. You can also download the form from our Website **www.intec-ger.de** and send it to us by **email to info@intec-ger.de**.

Sender: _____

Company: _____

Phone: _____

Contact person: _____

FAX: _____

Address: _____

Email: _____

Postcode and town: _____

1 Which part should be supplied?

if possible, please send us a drawing or a diagram



2 Which supply capacity is required?

Please state in litres (see catalogue, page 38)

3 What should the discharge height be?

Please state in litres (see catalogue, page 38)

for information:

Please note that the inclined position will be specified by us. An inclined position which is not optimal can result in significant malfunctions.

4 Which delivery rate is required?

Please state in parts per minute

5 Which accessories are desired?

e.g. stand, cover hood etc. (see catalogue, pages 36/12)

6 Special requirements?

Conveyor belts



Additional benefits of the INTEC conveyor belt.

- belt length freely selectable from 180 mm to 4000 mm
- belt width freely selectable from 50 mm to 400 mm
- 24 Volt regulated or unregulated drives with switching equipment for direct control
 - belt speed with 24 Volt drives from 0.1 m/min. to 10.0 m/min
- 110-460 Volt regulated or unregulated drives with switching equipment for direct control
 - 110-460 Volt drives are available as terminal or central drives
 - belt speed with 110-460 Volt drives from 0.85 m/min. to 16.0 m/min
- belt frames made of anodised aluminium profiles with T-slots on all sides

The following are a matter of course for INTEC:

- CE Conformity
- neutral version (without INTEC logo) on request
- special versions as specified by the customer
 - 2D and 3D CAD libraries

General information

about the belt dimensions:

Only select the belt length and the belt width (usable width) as large as is necessary. Larger conveyor belt dimensions are also usually more expensive.

about the belt speed:

Do not select the belt speed higher than you need. Higher belt speeds also cause higher wear. For example, a ball bearing which rotates 1000 times per minute has a longer service life than one which rotates 1500 times per minute.

about the drive variants:

Also select the drive carefully. There are advantages and disadvantages for each variant. For example, a 24 Volt drive can be controlled very easily, however for a comparable quality, it becomes hot more quickly and needs a mains adapter for the power supply as compared to a three-phase or AC drive. The 230 Volt drive does not need a mains adapter and the power supply (230 Volts directly from the socket) is usually not far away. However, the 230 Volt variant becomes hot more quickly and has less torque than the comparable 400 Volt three-phase drive.

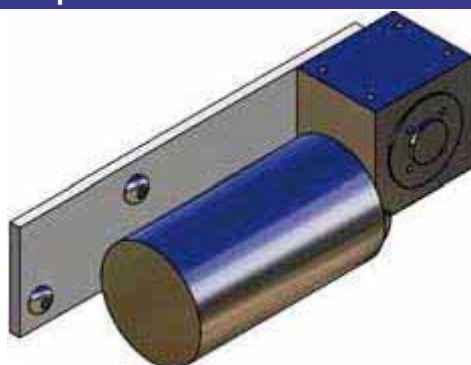
Drive variants

Terminal drive with 24 Volt DC motor (10 Watt - 0.4 A)
Belt speed from 0.1 m/min. to 0.8 m/min.



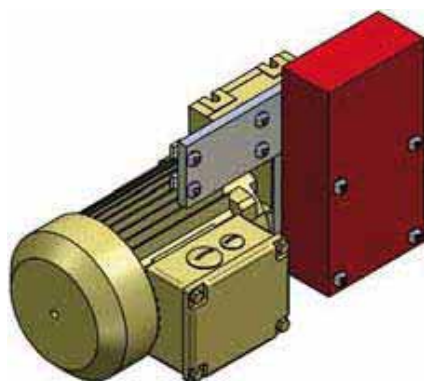
| Pos | Article number | TBK24-0.1 | TBK24-0.4 | TBK24-0.8 |
|-----|--------------------------------|------------|------------|------------|
| | Belt speed | 0.1 m/min. | 0.4 m/min. | 0.8 m/min. |
| 1 | min. belt length | 180 mm | 180 mm | 180 mm |
| 2 | max. belt length | 3500 mm | 3500 mm | 3000 mm |
| 3 | min. belt width (usable width) | 50 mm | 50 mm | 50 mm |
| 4 | max. belt width (usable width) | 350 mm | 350 mm | 300 mm |
| 5 | max. belt load | 25 kg | 12 kg | 6 kg |

Terminal drive with 24 Volt DC motor (54 Watt - 3.0 A)
Belt speed from 4.5 m/min. to 9.5 m/min.



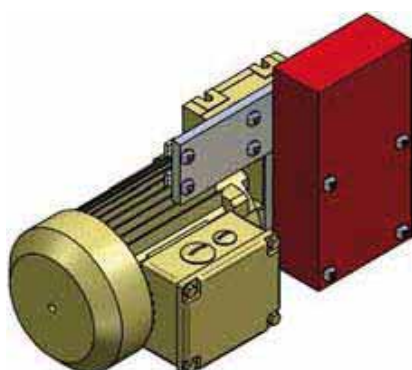
| Pos | Article number | TBK24-4.5 | TBK24-9.5 |
|-----|--------------------------------|------------|------------|
| | Belt speed | 4.5 m/min. | 9.5 m/min. |
| 1 | min. belt length | 180 mm | 180 mm |
| 2 | max. belt length | 3500 mm | 3500 mm |
| 3 | min. belt width (usable width) | 50 mm | 50 mm |
| 4 | max. belt width (usable width) | 200 mm | 150 mm |
| 5 | max. belt load | 2.0 kg | 1.0 kg |

Terminal or central drive with 110 / 230 Volt AC motor (0.09 KW - 0.4 A for 230 V / 50 Hz)
Belt speed from 0.85 m/min. to 16.0 m/min.



| Pos | Article number | Terminal drive | Central drive |
|-----|--------------------------------|-----------------------|-----------------------|
| | | TBK.....-..... | TBM.....-..... |
| | Belt speed | 0.85 - 16.0 m/min | 0.85 - 16.0 m/min |
| 1 | min. belt length | 300 mm | 600 mm |
| 2 | max. belt length | 3500 mm | 4000 mm |
| 3 | min. belt width (usable width) | 50 mm | 50 mm |
| 4 | max. belt width (usable width) | 350 mm | 400 mm |
| 5 | min. belt load | 2.5 kg at 16.0 m/min. | 2.5 kg at 16.0 m/min. |
| 6 | max. belt load | 40 kg at 0.85 m/min. | 40 kg at 0.85 m/min. |

Terminal or central drive with 400 / 460 Volt three-phase motor (0.09 KW - 0.4 A)
Belt speed from 0.85 m/min. to 16.0 m/min.



| Pos | Article number | Terminal drive | Central drive |
|-----|--------------------------------|----------------------|----------------------|
| | | TBK.....-..... | TBM.....-..... |
| | Belt speed | 0.85 - 16.0 m/min | 0.85 - 16.0 m/min |
| 1 | min. belt length | 300 mm | 600 mm |
| 2 | max. belt length | 3500 mm | 4000 mm |
| 3 | min. belt width (usable width) | 50 mm | 50 mm |
| 4 | max. belt width (usable width) | 350 mm | 400 mm |
| 5 | min. belt load | 3 kg at 16.0 m/min. | 3 kg at 16.0 m/min. |
| 6 | max. belt load | 50 kg at 0.85 m/min. | 50 kg at 0.85 m/min. |

Accessories and special configurations

Conveyor belts



- a) Fabric belt - antistatic and food safe (included in the basic unit)
- b) PU-coated - green (cut-resistant and oil-resistant)
- c) PU-coated - black (cut-resistant and oil-resistant)
- d) PU-coated - white (food safe)
- e) with high friction coefficient - pimpled
- f) with high friction coefficient - longitudinal groove structure

other belt types on request

Article number: TB.....-TG-PUG (PU - green)

Article number: TB.....-TG-PUS (PU - black)

Article number: TB.....-TG-PUW (PU - white)

Article number: TB.....-TG-HRN (high friction coefficient - pimpled)

Article number: TB.....-TG-HRLR (Longitudinal groove structure)

Available for all conveyor belt variants

Controller board for 24 V drive kit



The controller board for the 24 V drive kit is fitted with an adjustable switching relay (0.5 s-10 s cut-in delay and 0.5 s -10 s run-on time), speed regulation (5% - 100%) and another input (e.g. from the sorting device - HIGH or LOW signal). All functions can be activated or deactivated using jumpers.

Article number: SD-24DC

Available for all hopper sizes

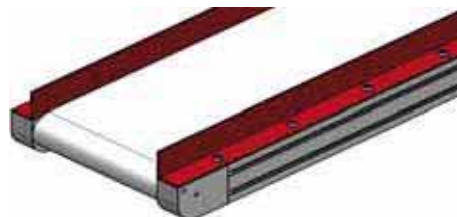
Belt supports

We are also happy to provide you with customised supports for the conveyor belt dimensions. Double belt supports and only one-sided belt supports are also available.

Article number: on request

Available for all conveyor belt variants

Side guide



Article number: TBXX-SF-.....-.....

Available for all conveyor belt variants

Slot nuts

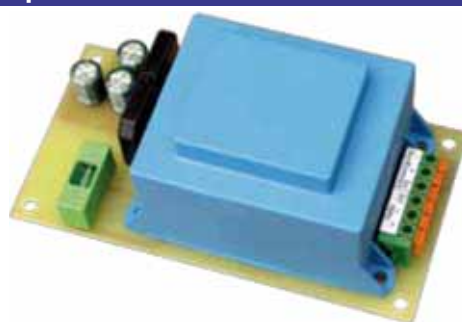
Slot nuts with M5 or M6 thread suitable for the T-slots in belt frame profiles are available.

Article number: TBXX-NM5

Article number: TBXX-NM6

Available for all conveyor belt variants

Mains adapter for 24 V drive kit



The 24 V mains adapter is matched to the 24 V drive kits. It is supplied in its own case and is securely attached to the belt hopper. The belt hopper can thus be directly connected to a 230 V mains power supply.

Article number: NT-230AC-24DC

Available for all hopper sizes

Dimensions and weights

As all conveyor belts are customer-specific, it is not possible to state valid dimensions for all variants. Please contact us by telephone or by email for valid dimensions for your application. We are also happy to provide you with a CAD library.

Conveyor belts enquiry form

Conveyor belts

You can copy the enquiry form and send it to us by **fax to +49 (0)9402-9329-33**. You can also download the form from our Website **www.intec-ger.de** and send it to us by **email to info@intec-ger.de**.

Sender: _____

Company: _____

Phone: _____





Contact person: _____

FAX: _____

Address: _____

Email: _____

Postcode and town: _____

| | | | | | |
|--|---|---|---|---|---|
| 1 Which dimensions? (note maximum dimensions - see catalogue, page 4)  | <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px;">L= _____ mm</div> <div style="border: 1px solid black; padding: 5px;">W= _____ mm</div> </div>  | | | | |
| 2 Which drive? (see catalogue, page 41) <i>please put a cross in the appropriate box</i> | <div style="text-align: center;">24 V</div> <div style="text-align: center;"><input type="radio"/></div> | <div style="text-align: center;">230 V 50 Hz</div> <div style="text-align: center;"><input type="radio"/></div> | <div style="text-align: center;">400 V 50 Hz</div> <div style="text-align: center;"><input type="radio"/></div> | <div style="text-align: center;">110 V 60 Hz</div> <div style="text-align: center;"><input type="radio"/></div> | <div style="text-align: center;">460 V 60 Hz</div> <div style="text-align: center;"><input type="radio"/></div> |
| 3 Which belt speed? (note maximum values - see catalogue, page 41) | <div style="border: 1px solid black; padding: 5px;">m/min.</div> | | | | |
| 4 Which maximum belt load? (note maximum values - see catalogue, page 41) | <div style="border: 1px solid black; padding: 5px;">Kg</div> | | | | |
| 5 Which motor arrangement? | <div style="text-align: center;">left</div> <div style="text-align: center;"><input type="radio"/></div>  | | | | <div style="text-align: center;">right</div> <div style="text-align: center;"><input type="radio"/></div>  |
| 6 Which belt design? (see catalogue, page 42) | | | | | |
| 7 Belt support height? (Conveyor belt top edge) (see catalogue, page 42) | <div style="border: 1px solid black; padding: 5px;">mm</div> | | | | |
| 8 Side guide height? (see catalogue, page 42) | <div style="border: 1px solid black; padding: 5px;">mm</div> | | | | |
| 9 Accessories? (see catalogue, page 42) | | | | | |
| 10 Special requirements? | | | | | |

You will find us here on the World Wide Web:

www.intec-ger.de



Login to the customer area and you will have access to many downloads.

- CAD libraries
- Price lists
- Product documentation
- etc.

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