

- Conveyor belts HQ - optimally adapted to use with metal detector METAL SHARK® BD
- 100% stainless steel - stable construction and easy to clean
- Different belt types and various ejection systems for every application, FDA compliant and heat resistant up to 120° C
- Accessories such as railing, lights, covers, light sensors can be added individually
- BRC-Kit: Conformity with all current standards for machines in the food industry



- solid stainless steel profiles closed on all sides with feet or rollers
- horizontal, rising and bending versions
- various belt types, especially for food applications, as standard, others on request
- optimally adapted for use with the METAL SHARK® metal detector
- IP protection class IP65, with LPW/HPW package also higher ones possible
- various ejection systems available
- With BRC package optimally suited for the food industry
- Covers, light barriers, railing systems, lights, sirens etc. are mounted individually

Specifications:

| | |
|-----------------|---|
| Frame | Stainless steel AISI 304 / ISO 1.4301 (CrNi 18/10), profiles closed on all sides, tubular frame of 40x40x2mm and 80x40x2mm, available with adjustable feet or castors |
| Protection type | IP65 (IEC 60529) IP66 possible with package LPW-/HPW |
| Running height | 800 mm ± 100 mm other heights and designs possible |
| Belt speed | 12 -24 m/min (variable speed with variant STR/STL) others on request |
| Engine | SEW 0.25 kW or worm gear motor 0.25KW, depending on requirements also larger |
| Belt control | Belt control with frequency converter available for 115V and 230V |
| Product weight | 16 kg as standard, other weights possible |
| Power supply | 220-240 VAC, 1ph, 50-60 Hz 110 VAC, 1ph, 60 Hz |
| Conformity | CE in standard, BRC possible |

All HQ series conveyors can be combined with BD series metal detectors.

Function:

The conveyor belts of the HQ series can be combined with the METAL SHARK BD metal detectors. The sturdy stainless steel frame is easy to clean and therefore ideally suited for increased hygiene requirements.

The belts are of course available in various widths and lengths as well as different belts or motor power. The extensive range of accessories, from railing systems, carriers or covers to ejection systems with connected signal transmitters, enables us to optimally fit the conveyor belts of the HQ series into your production line.

BRC-Kit for the food industry:

With the option BRC-Kit the device meets the requirements of the Global Standard of the British Retail Consortium (BRC) for food safety and thus also the current standards for HACCP and IFS.

Industries:

- Food
- Animal and pet food
- Chemistry
- Pharmaceuticals and hygiene
- Toys and Housewares
- etc.



Belts standard horizontal:



Our conveyor belts HQ consist of solid stainless steel frames with pre-mounted brackets for light sensor and pusher. The worm gear motor with 0,25KW delivers 12 -24 m/min belt speed up to 16 kg product weight. The belt is equipped with an Intralox 900 Flush Grid/open PP white (up to +104°C product temperature, FDA compliant) and a Trespa sliding plate (13mm) for easy product ejection in case of metal contamination.

| Art.-No. | W x L (mm) | H (mm) | Properties |
|------------|------------|-----------|--|
| # 10106040 | 400 x 1000 | 800 ± 100 | suitable for SHARK BD sensor up to 175 mm passage height, sensor dimensions: D=100mm; C=280mm, 4 x height adjustable feet |
| # 10106041 | 400 x 1000 | 800 ± 100 | suitable for SHARK BD sensor up to 175 mm passage height, Sensor dimensions: D=100mm; C=280mm, 4 x height-adjustable swivel castors |
| # 10105852 | 400 x 1400 | 800 ± 100 | suitable for SHARK BD sensor up to a passage height of 250 mm, Sensor dimensions: D=100mm; C=280mm or D=120mm; C=330mm, 4 x height adjustable feet |
| # 10105845 | 400 x 1400 | 800 ± 100 | suitable for SHARK BD sensor up to a passage height of 250 mm, Sensor dimensions: D=100mm; C=280mm or D=120mm; C=330mm, 4 x height-adjustable swivel castors |

Ascending & Angled Belt Conveyors:

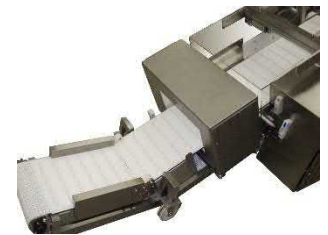


Ascending conveyors are equipped with special conveyor belts that prevent the transported goods from slipping. The conveyor belt used depends on the incline and the unit loads to be transported.

With an angled conveyor, the belt run changes at least once upwards or downwards. L-conveyors bend once, while a bend at the beginning and end of the belt is called a Z-conveyor. With an angled conveyor, the belt run changes at least once upwards or downwards. L-conveyors bend once, while a bend at the beginning and end of the belt is called a Z-conveyor.

The following conveyor belts are possible:

- Conveyor belt with corrugated edges
- Conveyor belt with cross cleats
- Conveyor belt with cross cleats (Intralox)
- Grip or nubbed belt



Conveyors for bottles & jars:



For the transport of bottles or jars, our bottle conveyor belts are equipped with easy to clean Flat Top belts from Intralox and corresponding lateral guides to stabilize the transported products.

Macrolon covers or partitions can be fitted for additional product protection.

| | |
|------------|---|
| # 10100386 | Highly abrasion resistant belt Intralox 900 Flat Top/Azetal blue, adjustable side guides |
| # 10100387 | Highly abrasion resistant belt Intralox 900 Flat Top/Azetal blue, adjustable side guides, two additional lateral transfer belts |

Belts:



Belts made of polyurethane (PU)

PU belts are particularly suitable for all unpackaged products.

They are

- easy to clean
- food safe (FDA compliant)
- heat resistant (depending on the version)
- available in different colours



Link chain belts from Intralox

We use link chain goods from the company Intralox. The belts are transported via sprockets and therefore do not slip. They are easy to install and re-tension.

| Intralox belt versions | |
|------------------------|---|
| Flush Grid | S 800 – S 1000 |
| Flush Grid Acetal EC | abrasion-resistant, antistatic, e.g. suitable for sugar or glass transport |
| Flat Top | closed surface for easy cleaning, suitable for unpackaged products/food contact |
| Thermo Drive | made of homogeneous thermoplastic material, completely closed surface, for hygienic applications in the food industry |



Lateral guides, belt edges, drivers:



Lateral guides standard



Lateral guides heavy duty



Lateral guide with silicone lip



CASSEL conveyor belts offer a wide range of adaptations to product or transport requirements, such as

- Flexowell edges
- Carriers
- Intralox stopper

Ejection systems / Pusher:



Transverse pusher TP

Pushes contaminated products sideways off the belt. Ideal for belt widths from 100 to 400 mm.

| | |
|---------------|--|
| TP 32 | for product weights up to 16 kg |
| TP-Schwerlast | for product weights up to 30 kg |
| TP-HPW | for cleaning with high pressure cleaner (IP66) |
| TP bottles | extra fast for use with bottles and jars |



Linear Pusher LP

Pushes contaminated products sideways off the belt. Particularly suitable for high belt speeds and where space is limited due to installation above the belt. For belt widths from 100 to 700 mm.

| | |
|----------------------|-----------------------------------|
| LP-HQ-DGC | for product weights up ?? kg |
| LP-HQ-DGC heavy load | for product weights up ?? kg |
| LP-HQ-DGC 2-ways | for particularly high belt speeds |



Fliparm

Swings onto the conveyor belt and thus deflects contaminated products sideways from the belt. Especially suitable for loose, packed products.

| | |
|------------|--|
| # 10106507 | made of edged stainless steel, mounted on the side of the belt for belt width 400 mm |
|------------|--|



Air Jet Pusher

Blows at the side of the conveyor belt, usable up to max. belt width 400 mm, air consumption 4-6 bar / approx. 5 litres of air per ejection.

| | |
|------------|---|
| # 10100316 | Pusher AJ AirJet |
| # 10106741 | Pusher AJ AirJet – extra strong |
| # 10105241 | Pusher AJ AirJet, HPW (high pressure washing) |



Ejection flap at the belt end

Rotates upon metal detection and allows the contaminated product to slide under the conveyor belt. Suitable for packed and unpacked products.

| | |
|------------|--|
| # 10100372 | Ejection flap RF1 at end of belt |
| # 10106785 | Ejection flap RF1 at end of belt |
| # 10106788 | Slide for ejector flap |
| # 10106657 | Ejection flap made of Teflon at belt end |



Folding roller conveyor

Rotates upon metal detection and allows the contaminated product to slide under the conveyor belt. Suitable for randomly lying, packed products.

| | |
|------------|-------------------------------------|
| # 10105285 | for PU- or link chain belts, 600 mm |
| # 10105446 | for PU- or link chain belts, 800 mm |



Retreating belt-nose

The end of the belt retracts, so that contaminated products can fall into the collecting container under the belt. Suitable for loose products

| | |
|--|---|
| Belt nose HQ-GK | Ejector for link chain belt, belt widths 300 - 1300 mm, incl. container |
| Belt nose HQ-PU | Ejector for PU belts, belt widths 300 - 1300 mm, incl. container |
| Makrolon cover, access protection above or around retracting belt nose | |

Accessories:



Flashlight XENON red
Very bright conspicuous optical alarm, 24V DC, IP 65
RB 10-100V 2W Xenon beacon
suitable for tripod or wall mounting



Alarm horn
Alarm transmitter with very loud acoustic signal, 24 V/DC
suitable for tripod or wall mounting



Flashlight + horn on stand
Acoustic and optical alarm on stand, stainless steel,
with bright xenon flashlight red and horn for conveyor belt mounting



Belt control for variable belt speed
Start/stop/reset, main switch,
Frequency converter for motor, stainless steel housing,
Metal alarm: Band stop + acoustic. signal -or- control pusher



Test specimen set 6 pieces
Certified, 100mm x 10mm x 10mm, acrylic, types and certificate number
engraved in colour 2x FE, 2x NFE, 2x VA 1.4401 (sizes depending on
application)

CASSEL Quality Promise:

Every single device is thoroughly tested during and after production.
Before delivery from the factory it is tested over several
days subjected to a final inspection.

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