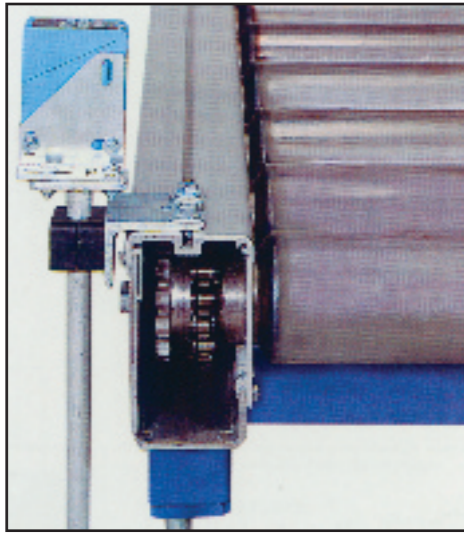


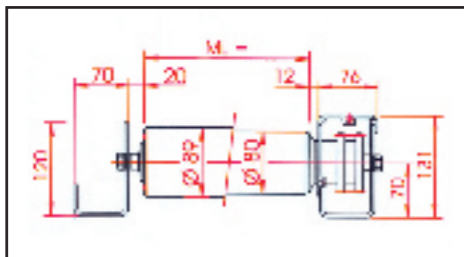
## System "Q70" System "Q71"

The "Q70" and "Q71" systems are particularly suited to the transport of Euro pallets. The bearing profile consists of a sendzimir galvanized steel U 130/70/4. An aluminium profile (Q70) is employed as a chain protection. In the "Q71" system, the non driven side is likewise equipped with an aluminium cover. This measure facilitates the attachment of contactors to both sides.



### Cross section of the system

Rollers with a diameter of 80 or 89 mm can be installed in the „Q70“ and the „Q71“ roller conveyors.



### Aluminium covering on both sides of the bearing profile



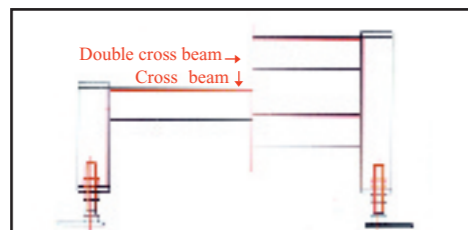
The non driven side bearing profile in the "Q71" system is likewise covered with an aluminium profile.

### The trestle



The trestles in the systems "Q70" and "Q71" are bolted to the bearing profile by means of a welded screw.

This permits the attachment of the light barriers and / or the light sensors to both sides of the system.

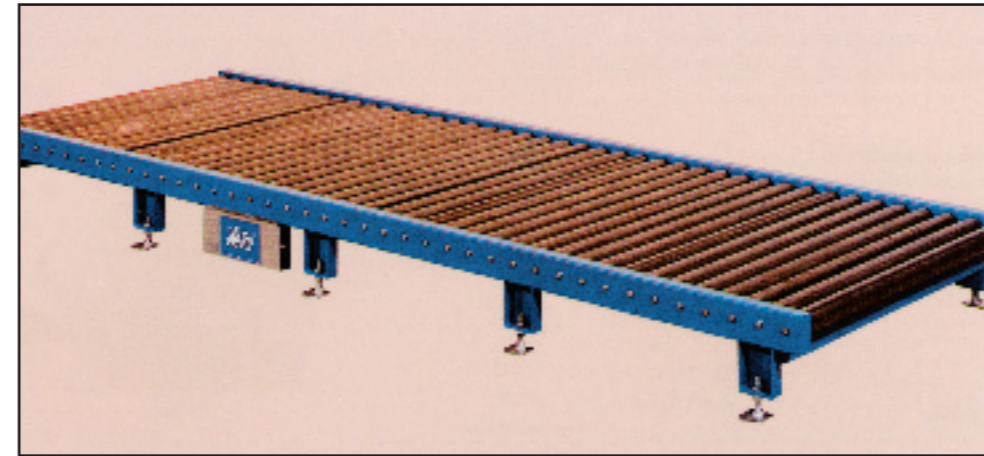


Up to 2 cross beams are welded for reinforcement according to the load and the overall height of the system.

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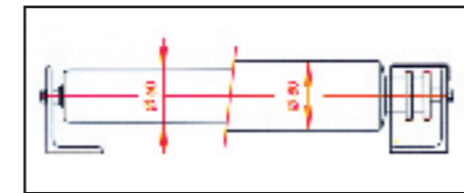
## System "QL"



The "QL" system is the light-weight version of the Quickflex system. The load is dependent on the design of the bearing rollers, max. 2 to/drive. The bearing profile is effected by an angle bracket 100/65/7 or a U-profile 120/60/4. As the profile of this system lies below

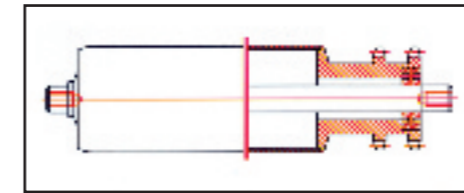
### Cross section of the system

Rollers with a diameter of 60 and 80 mm are installed in the „QL“ roller conveyor. A 1/2" chain is applied for the drive.



### Bearing roller series "Quickly"

The "Quickly 15" and "Quickly 20" series are employed as bearing rollers. The spindle diameter is 15 res. 20 mm. They are equipped with a 1/2" double sprocket wheel Z 13.



roller level, items which overlap the width of the rollers can be conveyed. The narrow spacing of the rollers also permits the transport of items with a small surface area on this track. The system is particularly suitable for the transverse transport of pallets.

## Further **HaRo**<sup>®</sup>-Systems

- Chain conveyor
- Belt conveyor
- Vertical converter
- Shuttle
- Controlling
- and much more

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... and the Production rolls!

## QUICKFLEX

...when heavy duty goods must be transported easily

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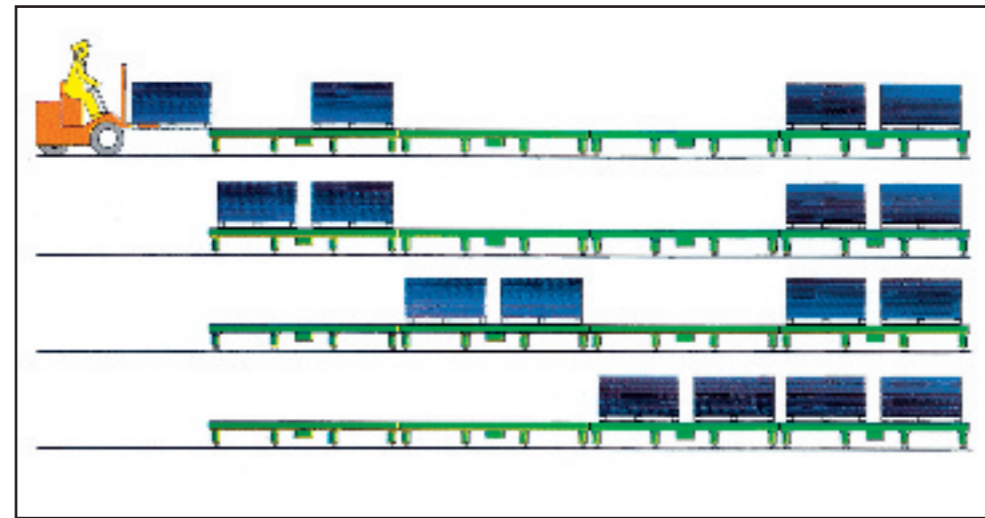
## Technology for heavy duty application.

arrangement  
easy handling  
quickly throw flow  
planed operations

The sturdy roller conveyor system "Quickflex" moves the heaviest loads effortlessly through the goods receiving, production and shipping departments. Heavy casting moulds in foundries are transported as easily as large stacks of chipboards in a furniture factory or powerful transformers. However, the system is especially suited to the transport of pallets and metal cages. The "Quickflex" system provides unremitting cost-cutting benefits in locations where the fork lift truck can no longer operate economically.

A stable and reliable system is called for when all varieties of goods must be moved. Here it is essential to transport the shipments coming in "in fits and starts" quickly to the right location. With its integrated scales, contour control and barcode read station, the roller conveyor system "Quickflex" provides an answer to all logistical requirements. Programmed process controls supply the precise transport and provision of goods – at the right time and in the right location.

### Batch accumulation technology – Optimal space exploitation



### Basic technical data (applies to all Quickflex system types)

**Length:** Length of profile up to maximum 6,000 mm  
**Width:** Effective width between 100 – 3,500 mm  
**Height:** Standard height at least 300 mm (floor surface to upper edge bearing rollers) max. 1,000 mm, over 1,000 mm is only necessary in special constructions  
**Roller pitch:** Q60: 150, 200, 250, 300, 400, 500, 600 mm  
Q70/71: 150, 200 mm  
QL: 95, 114, 150, 190 mm  
**Speed:** According to motor speed between 6m/min and 20m/min  
**Drive motors:** Spur gear motor from all conventional manufacturers  
**Drive capacity:** 0.18 kW bis 1.10 kW standard 0.37 kW  
**Load:** up to 2,000 kg/m

### Gentle transport

Batch accumulation technology combines the benefits of accumulation roller conveyors with the sturdiness of the stable double chain wheel drive. The first element of the conveyor is fed item by item, at the same time a clearly defined clearance is maintained between the parts. Contact-free transport of the material to be conveyed eliminates damage and provides an optimal exploitation of space.

After all items belonging to one batch have been picked, this batch will be conveyed via the free elements to the most distant free element. The entire track is completely stowed in this way, batch by batch. The items can be removed individually at the discharge station without causing constriction or obstruction at the picking station. Only a few drives are actuated at the same time conserving energy and reducing noise.

### Element design



### Modular construction

The Quickflex elements are manufactured in lengths extending to 6,000 mm with a motor unit. This has the great advantage that they can easily be reused in case of

changes in the conveying tracks. The system consists of modular units with a high guarantee of flexibility.

## The "Quickflex" system family

The "Quickflex" system family consists of four different types: "Q60", "Q70"/"Q71", and "QL". The loading spectrum ranges up to 2,000 kg/m. The maximum loading to the track elements results from the roller design, the roller partitioning and the leg clearance. Our expert advisors will

### Double chain drive

The drive is effected via double sprocket wheels (chain from wheel to wheel) due to the special requirements of stability and sturdiness. The sprocket is entirely welded to the roller shell. The drive profile is equipped with continuous protective covering on the inside; forming an enclosed box.

Spindle Diameter	15	20	25
Tube	Quickly 15	Quickly 20	Quickly 25
50 x 15	QL	--	--
57 x 6.3	--	Q60, Q70	Q60, Q70
60 x 2.0	QL	--	--
60 x 3.0	QL	--	--
80 x 2.0	QL	QL	--
80 x 3.0	QL	QL, Q60, Q70	--
89 x 3.2	--	Q60, Q70	Q60, Q70
89 x 5.0	--	Q60, Q70	Q60, Q70
108 x 3.2	--	Q60, Q70	Q60, Q70
108 x 5.0	--	Q60, Q70	Q60, Q70
108 x 7.1	--	Q60, Q70	Q60, Q70

The bearing rollers of the "Quick" series have given the system its name. The double sprocket wheel is manufactured from steel and is welded all around the tube in one piece, providing particular stability.

### Lateral guiding

Safe transport is not only dependent on the stability of the roller track. The guiding of the items to be conveyed must

### Flange - lateral guides

Flanges can be supplied for all "Quickflex" system types. The bolted flanges made from plastic or steel ensure that all different varieties of items to be conveyed are transported securely and safely along the track (plastic flanges are only compatible with roller diameters between 80 and 89 mm). The bolting of the divided flange permits subsequent retrofitting enabling flexible utilisation of the roller conveyor. The second flange design is welded all around the roller shell.

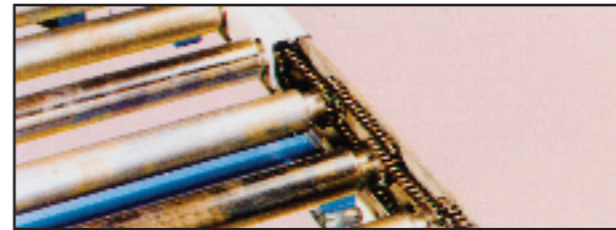
### Angle profile – lateral guiding

An angle bracket 60/60/6 is mounted to the bearing profile as the standard lateral guiding for the "Q60" system.

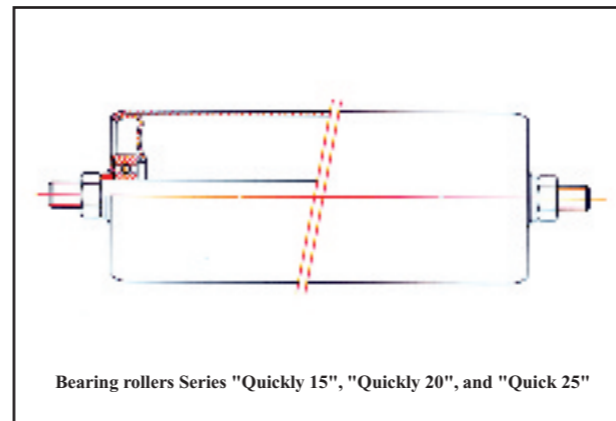
### Special construction – lateral guiding

The great variety in items to be transported also demand a great variety in the designing of lateral guides. The lateral guides illustrated in the photo on the right were designed for a cylindrical container. The rollers on the lateral guides permit a gentle transport procedure.

provide support in the selection of the optimal type and design to meet your requirements according to the consistency of the items to be conveyed and the capacity demands.



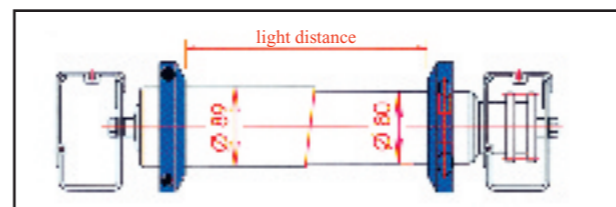
stable  
and  
sturdy



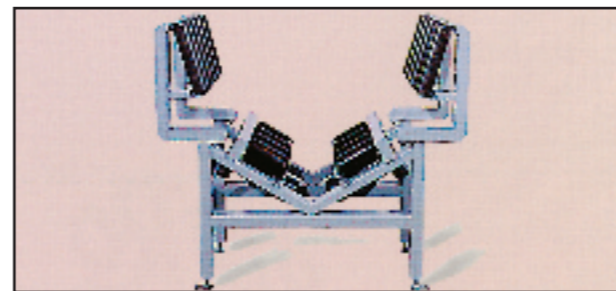
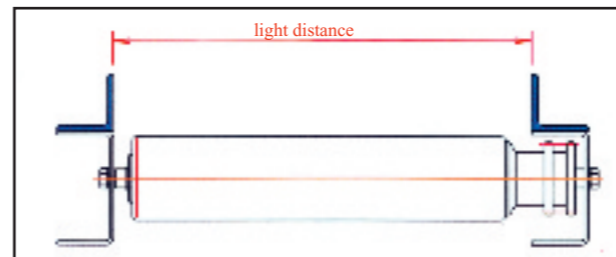
Bearing rollers Series "Quickly 15", "Quickly 20", and "Quick 25"

Screw threads on both sides of the roller permit simple mounting. Ball bearings from the 6204 and 6205 ranges are employed. These models are equipped with a permanent inner lubrication.

also be adapted to the transport. This is ensured by the application of different lateral guides.

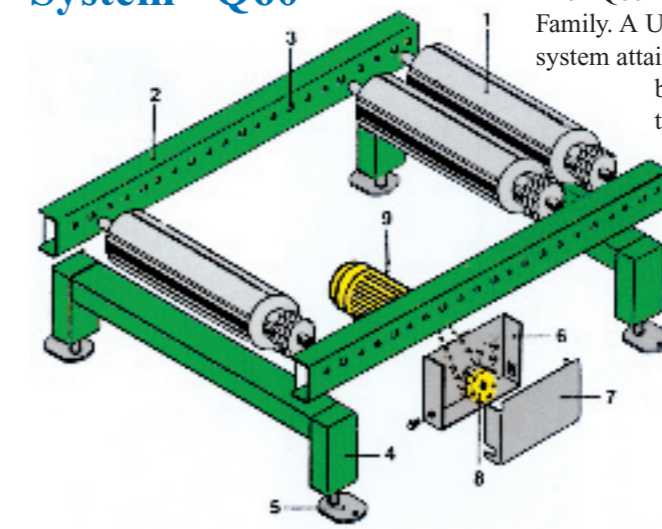


exactly  
guiding

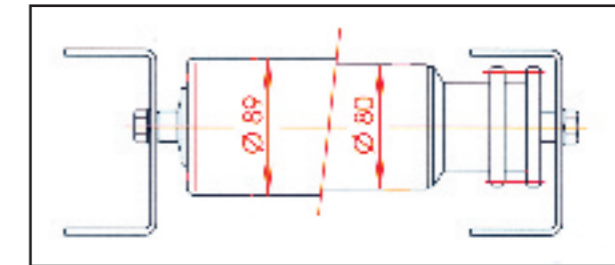


## System "Q60"

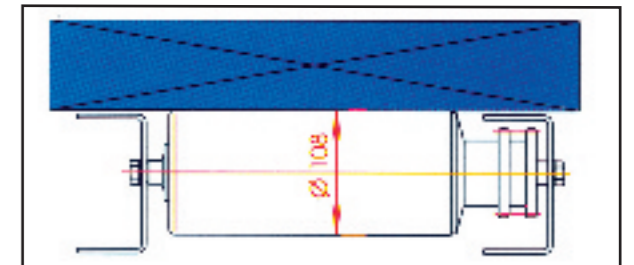
The "Q60" system is the universal representative of the Quickflex Family. A U-Steel 120 x 60 x 4 is employed as a bearing profile. The system attains greater stability due to the welding of the legs with the bearing profile. The bearing profile and the leg construction are supplied varnished.



1. Bearing roller with double chain drive
2. Lateral profile from U 120/60/6
3. Profile punched holes for different partitioning
4. Heavy trestles from welded U 120/ 60 / 4
5. Base plates with threaded spindles for height adjustability
6. Motor station made of folded steel plate
7. Motor station – cover plate
8. Drive pinion
9. Gear motor



Rollers with a diameter of 80, 89 and 108 mm are employed in the „Q60“system. A 5/8" chain is applied as the driving chain.

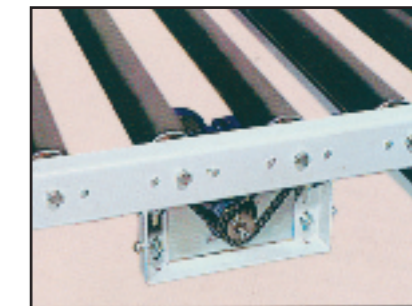


Cross  
section  
of the  
system

The application of bearing rollers with a diameter of 108 mm will ensure that the "Q60" system is able to transport goods of oversized width due to the 4 mm overlap of the bearing roller over the bearing profile.



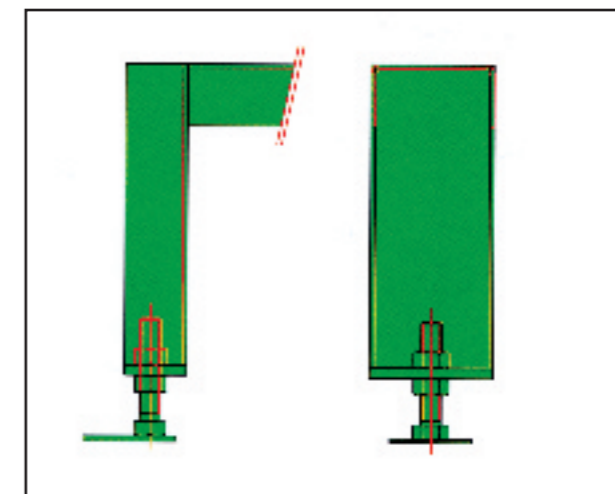
Motor station with cover closed



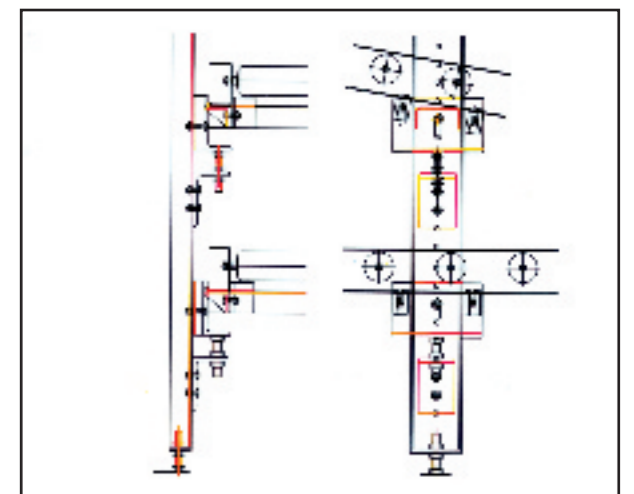
Motor station open



Protective covering on the driven side



The trestles consist of U-profiles which are welded to the bearing profiles, thus ensuring the stability of the roller conveyor. They are equipped with screw threads (M 20) to balance ground unevenness.



Screw adapters are employed according to the load and the overall height of the roller conveyor and also double level conveyors. The distance between the legs can be selected (load-dependent).