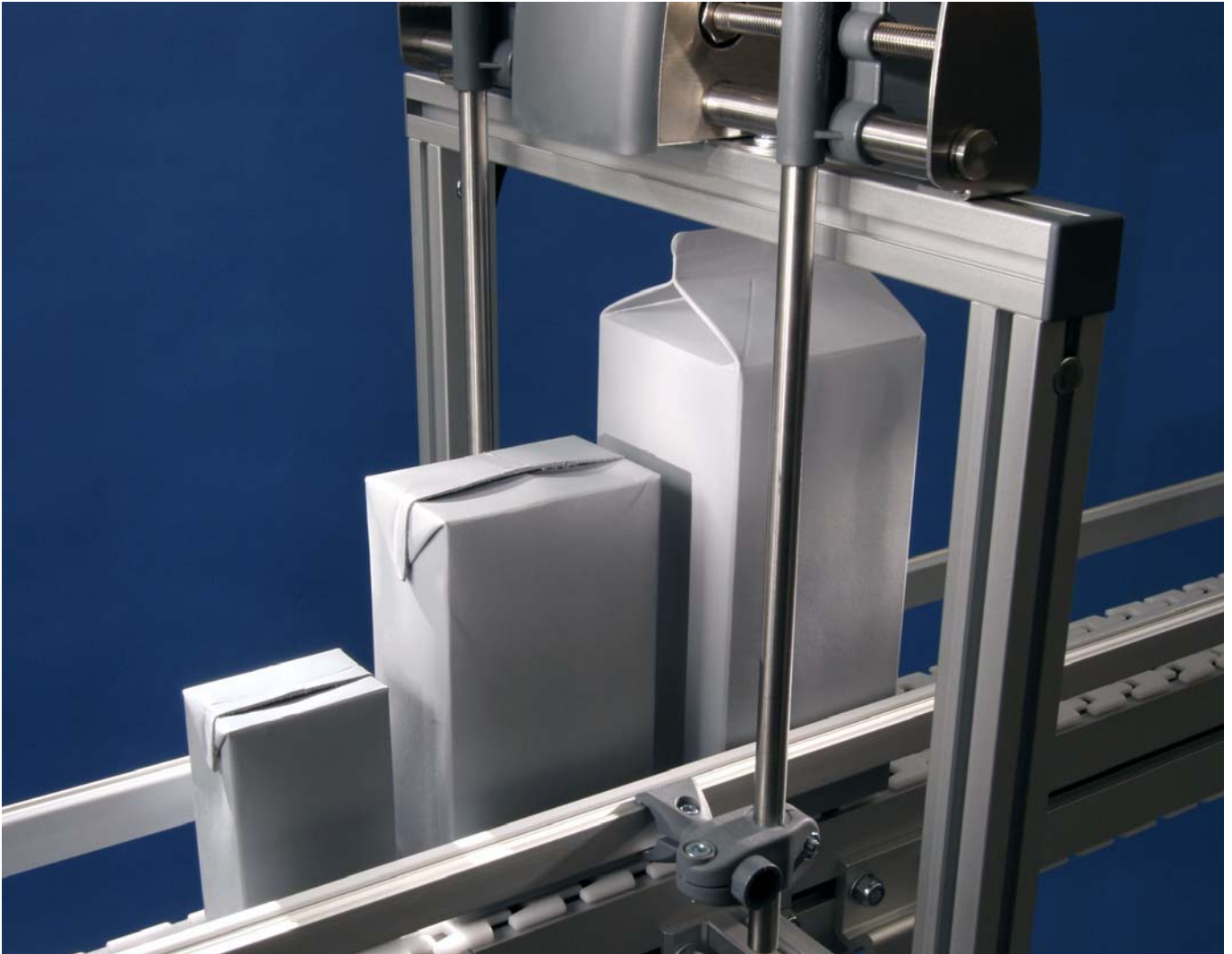


## Automatic guiding system



***The new automatic adjustable guiding system provides a flexible way to add fast width adjustment for conveyors in a production line.***

The system offers quick and easy automatic resetting of product guiding systems in production flows. The effect is increased line efficiency and safe product distribution throughout the line.

The system has a modular design and consists of guide units for the guiding, controls for the control of the guide units and junction boxes for power supply. The system can be linked to the line control system and one control box can control up to 220 guide units.

### **Standard features**

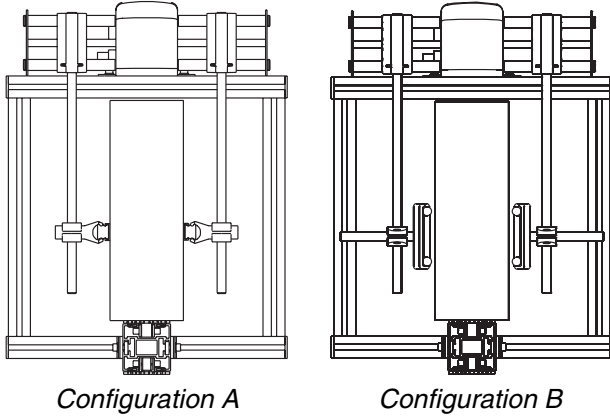
- Automatic resetting for different product sizes
- Easy to install
- Easy to expand
- Easy to integrate with existing installations
- Safe
- Each unit is self-driven with high accuracy

## Standard products

A basic system is composed of the following standard products:

- Guide unit
- Control box
- Junction box

By combining with other components from FlexLink's wide guide rail offer, it is possible to get two different guide rail configurations:



## Guide unit

The guide rail support unit has a built in gear motor that adjusts the guide rails in and out. The motor has 24V AC that provides high enough force for width adjustment but still low enough force to stop if something gets jammed.

The recommended distance between guide units is 1 m. Each guide unit includes a 2 m long cable that is daisy chained to the next guide unit. The synchronous AC motors guarantee that the guide units move parallel.

## Control box – small systems

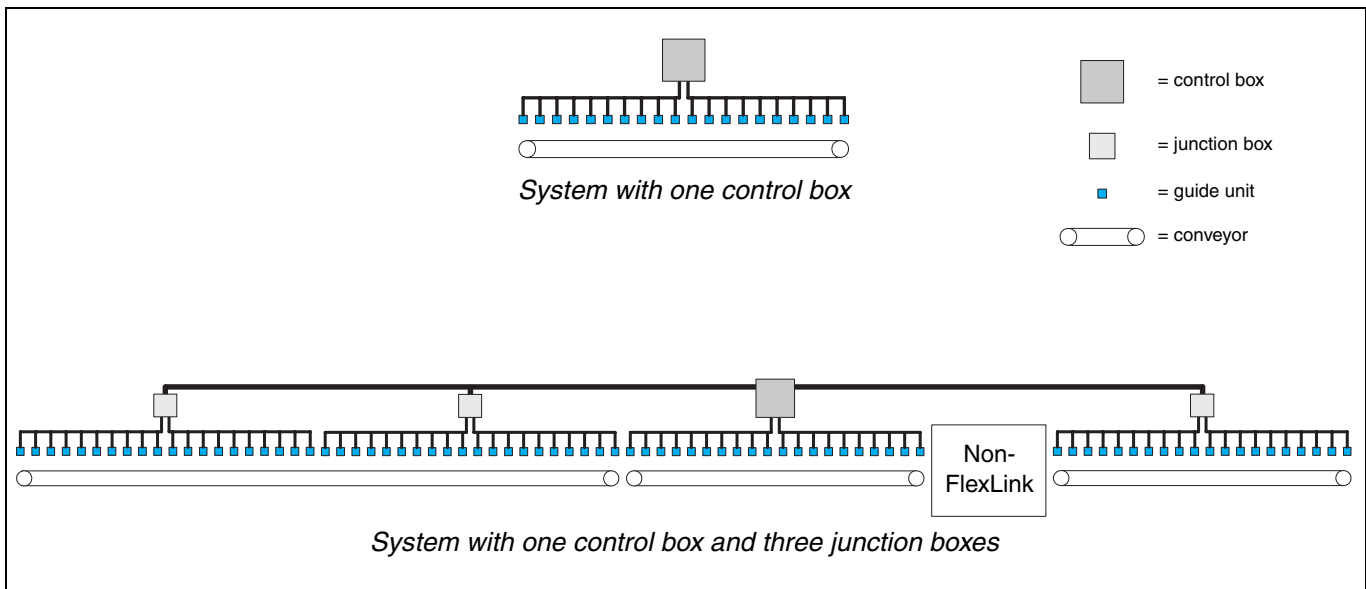
One control box controls a group of up to 20 guide units.

## Control box – larger systems

One control box controls a group of up to 20 guide units. Each extra group of up to 20 guide units needs a junction box. A control box can have a maximum of 5 junction boxes in each direction, meaning a total of 220 guide units. Systems larger than this require an extra control box.

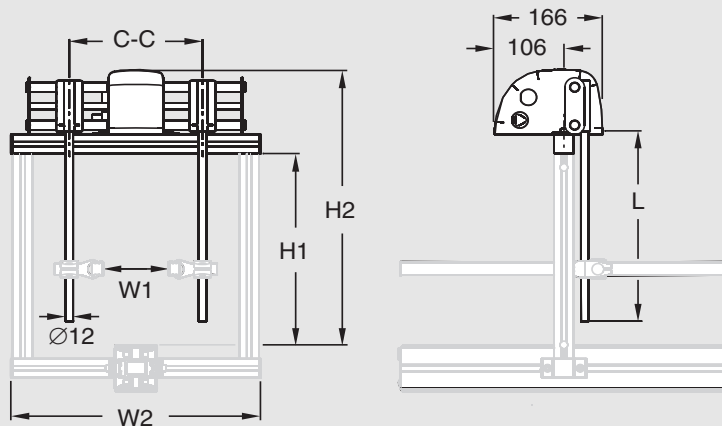
The basic version of control box, for manual setting, has a switch with three positions: In, 0 and Out. The next level of control box, for automatic setting, has a built-in fieldbus module, which receives control signals from the conveyor system's PLC.

System reset is done by running the guide units until all guide rails are in the maximum width position.



# Automatic guiding system

## Guide unit



	H1	H2	W1	W2	C-C (max.)	L
XLRQ 284×196	165	295	35–190	377	284	196
XLRQ 455×196	165	295	35–360	548	455	196
XLRQ 284×296	265	395	35–190	377	284	296
XLRQ 455×296	265	395	35–360	548	455	296

Guide unit, including horizontal beam

**XLRQ 284×196**  
**XLRQ 455×196**  
**XLRQ 284×296**  
**XLRQ 455×296**

*Includes a 2 m motor supply cable.*

*Components required for complete guide rail function:*

Item	Designation	Qty
Washer 6.4×12	BRB 6.4×6	4
Beam 30×30 mm	XFBM L×30	720–1160 mm
End cap	XFBE 30	4
Fastening yoke	XFAF 30	4
Mounting plate	XFFB 30	2
Screw	MF6S 6×30	2
Screw	MC6S 6×14	4
Square nut	XLAQ 6	4
Cross connector	XLRX 18 X	2–4
Distance piece	5055818	2–4

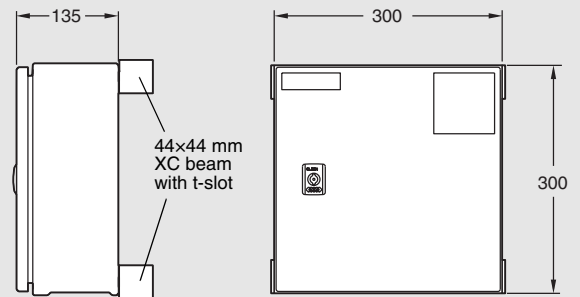
*Additional components required for configuration A*

Item	Designation	Qty
Guide rail clamp	XLRK 18×40 C	2-4

*Additional components required for configuration B*

Item	Designation	Qty
Guide rail clamp, double	XLRKX 18×50	2

## Junction box

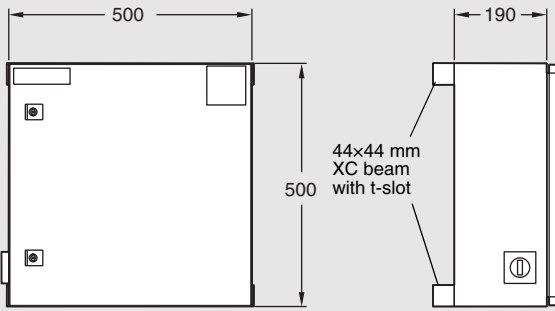


Junction box  
 50 Hz  
 60 Hz

**5057247**  
**5057479**

## Automatic guiding system (continued)

### Control box



Type 1, manual setting

50 Hz

**5057245**

60 Hz

**5057891**

Type 2, automatic setting

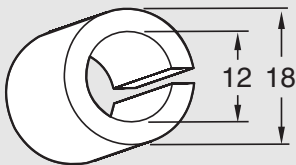
50 Hz, Profibus

**5057246**

60 Hz, DeviceNet

**5057420**

### Distance piece



Distance piece

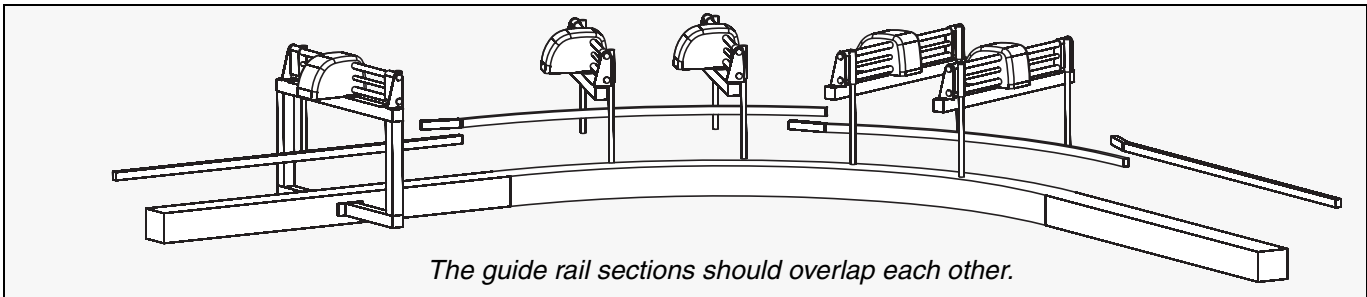
**5055818**

### Extra cable

Cable, 2 m

**5057678**

### Guide rails in bends



#### Example: 90° plain bend:

The guide rail is divided into 45° segments. Two guide units are used for each 45° segment. These guide units are mounted parallel.

The mid-point of each segment (P) will move with the same accuracy as the straight guide rail sections. If higher accuracy is needed, a 90° bend can be divided into three 30° sections.

