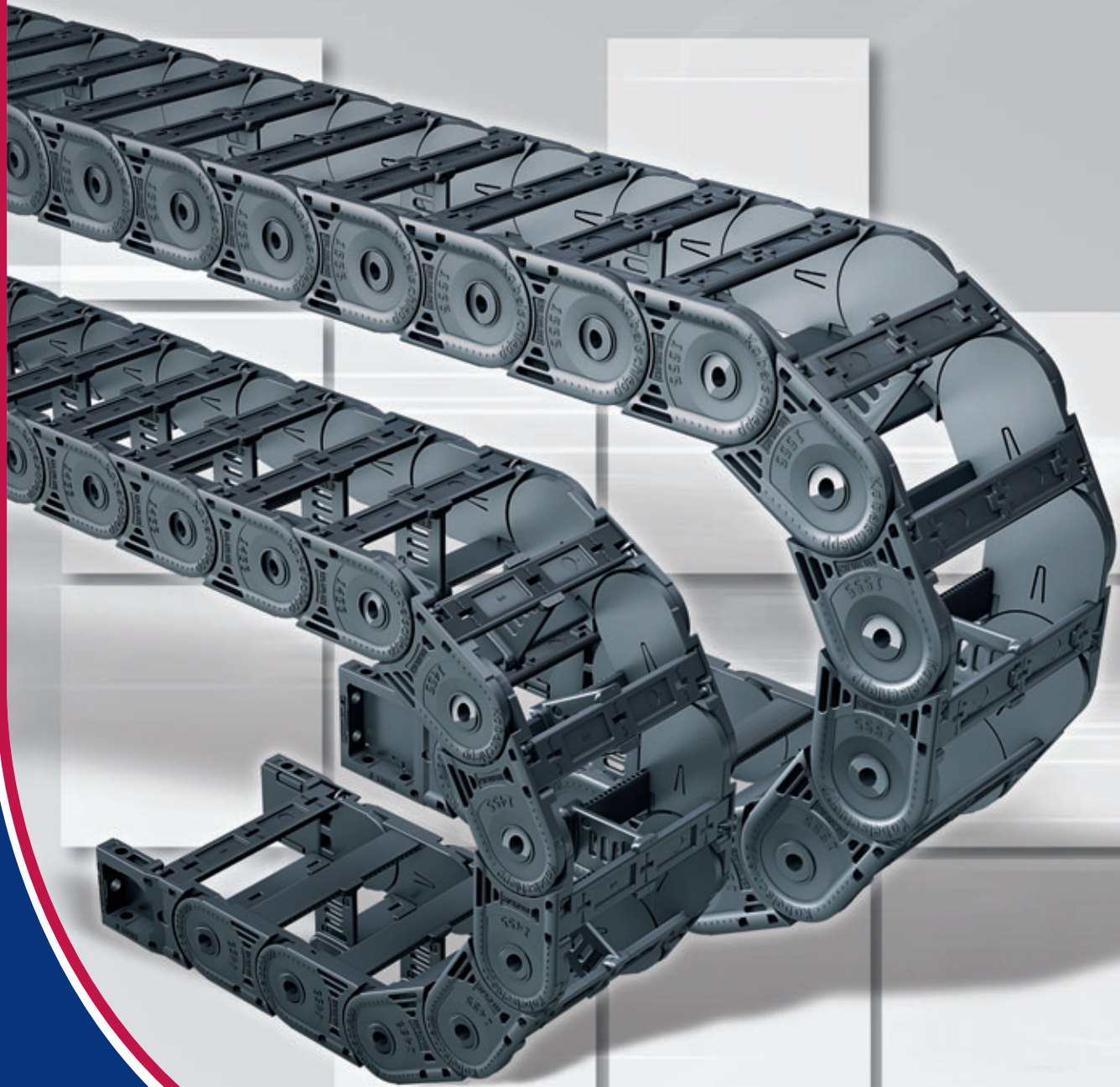


**KABELSCHLEPP**

the power to innovate



# UNIFLEX 1455/1555

Lighter, quieter, more effective.

Lighter, quieter, more effective.

The new generation: UNIFLEX 1455/1555.

# Lighter, quieter, more effective.

New **generation** – new **designation**

**0455** → **1455**  
UNIFLEX  
New Generation

**0555** → **1555**  
UNIFLEX  
New Generation

BASIC-LINE

Make your life that little bit simpler:  
the new generation of our cost-effective UNIFLEX is lighter,  
quieter and more effective. It's a carrier with a  
wide range of possible applications.

The links are weight-optimised, while the integrated  
damping system makes the cable carrier even quieter.

Opening the cable carrier is also easier and quicker now.

All this means that the new generation of solid plastic  
cable carriers with fixed widths are cost-effective  
all-rounders.



## Dimensions

Type*	$h_i$	$h_G$	Inside widths $B_i$					Outside widths $B_k$
UNIFLEX 1455	26	36	25	38	58	78	103	$B_i + 16$
UNIFLEX 1555	38	50	50	75	100	125	150	$B_i + 18$

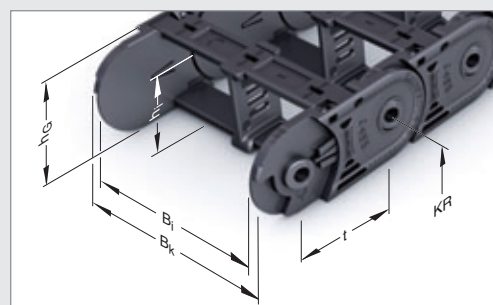
Dimensions in mm

### Pitch:

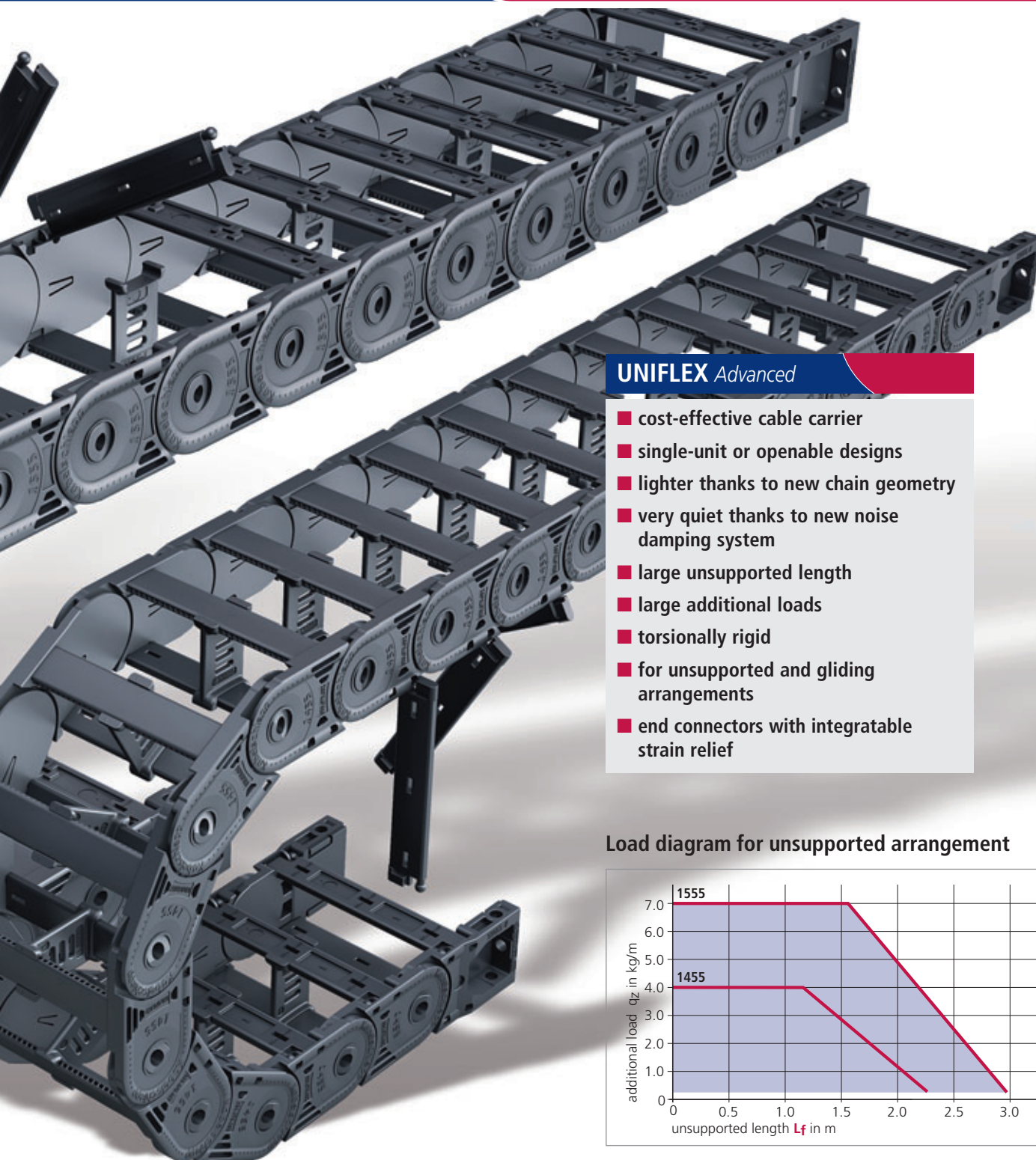
UNIFLEX 1455:  $t = 45.5$  mm

UNIFLEX 1555:  $t = 55.5$  mm

\* Further types in planning.  
Please do get in touch with us.

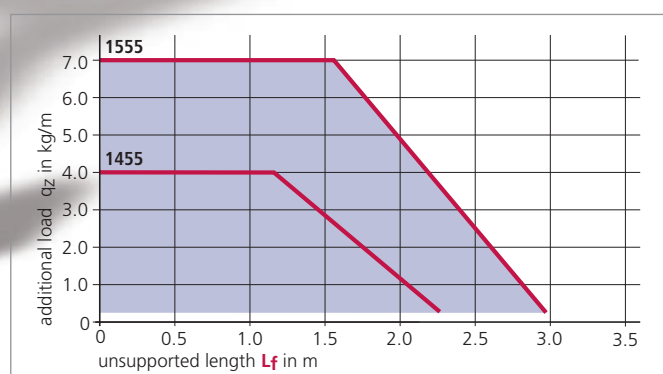
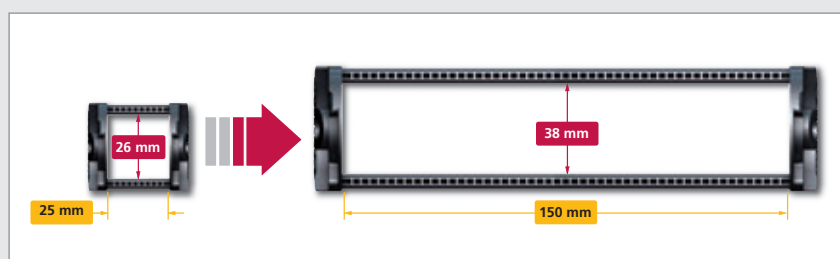





**UNIFLEX** *Advanced*

- cost-effective cable carrier
- single-unit or openable designs
- lighter thanks to new chain geometry
- very quiet thanks to new noise damping system
- large unsupported length
- large additional loads
- torsionally rigid
- for unsupported and gliding arrangements
- end connectors with integratable strain relief

BASIC-LINE

**Load diagram for unsupported arrangement**

**Inside widths / Inside heights**

**Bend radii KR**

Type	Bend radii KR in mm				
1455	52	65	95	125	150
	180	200	225**		
1555	63	80	100	125	160
	200	230			

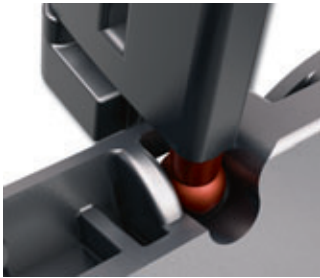
\*\* available for Bi 50 and 75 mm on request.

Lighter, quieter, more effective.

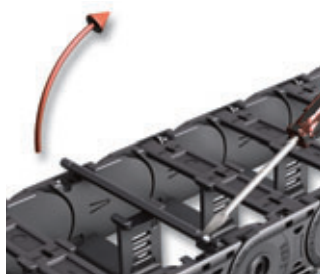
## Faster opening, faster closing, faster work.

### UNIFLEX 1455/1555 with new crossbars.

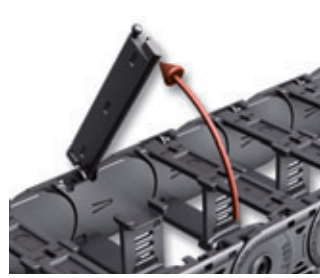
The crossbars in designs 030 and 040 are based on a ball joint mechanism that allows quick and simple opening (right/left). Particularly practical: The crossbar remains attached to the link even when open. If necessary, the crossbar can be detached from the chain link simply by turning it.



■ Crossbar with ball joint



■ Simply turn crossbar and open up



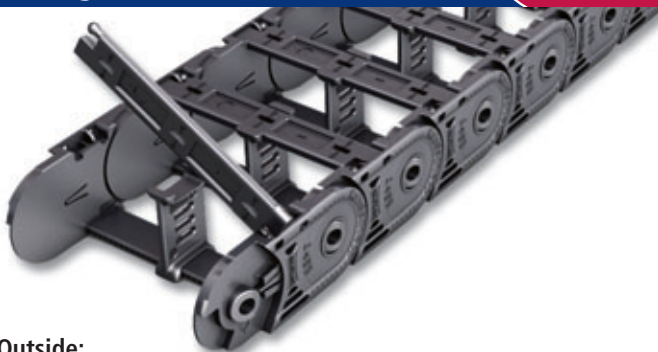
■ Easy release of crossbar

BASIC-LINE

## An optimum solution for every application.

### Different opening possibilities

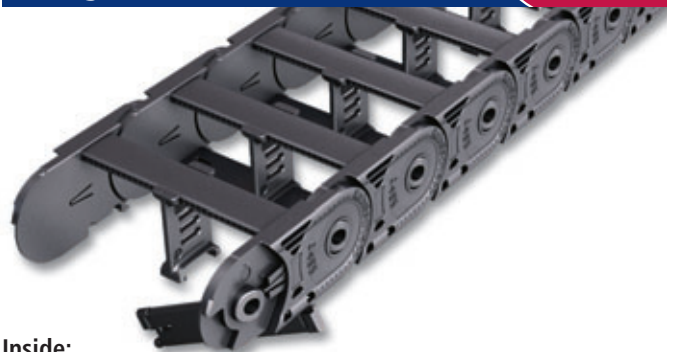
#### Design 030 opens outwards



#### Outside:

Crossbar is openable (on the right/left) and detachable.

#### Design 040 opens inwards



#### Inside:

Crossbar is openable (on the right/left) and detachable.

#### Design 020 single-part links



Inside/outside:  
not openable

#### Design 020

- single-part solid plastic links
- **cost-effective solution**
- not openable, thus even greater stability
- especially designed for extreme loads, e.g. laying hydraulic hoses with small bend radii

## Ideal for arrangements on their side.

### Lateral wear surfaces guarantee a long service life.

For applications on their side or gliding in a guide channel, the lateral wear surfaces ensure an **even longer service life**.



## Various separation options for the cables.

### Divider systems – fixing of the dividers

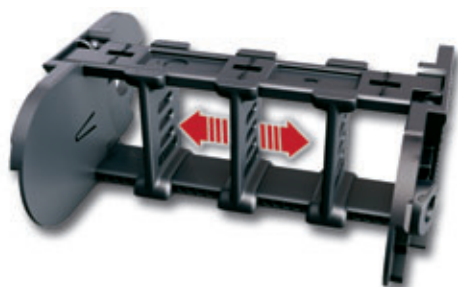
In the standard version, dividers or the complete divider system (dividers with height separation) can be moved in the cross section. (**Version A**).

For applications with transverse acceleration and applications where the carrier is installed on its side, fixed dividers are available (**Version B**).

If you would like the fixed mounting version, please state this when placing your order

#### Version A (standard)

##### Movable divider



#### Version B (fixed)

##### Divider fixed in 2.5 mm steps

With fixed dividers, fixing is by means of arresting cams in the foot of the divider.



■ Locking profile in the crossbar



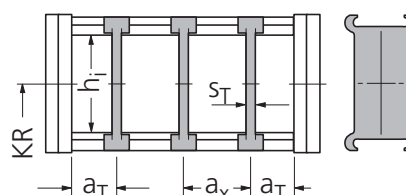
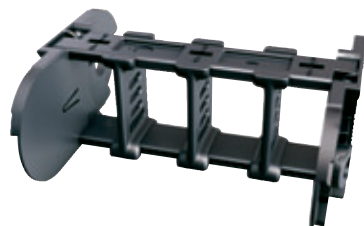
■ Divider with arresting cams

### Divider system TS 0

Type	$h_i$ mm	Version A			Version B			
		$S_T$ mm	$a_T$ min mm	$a_x$ min mm	$S_T$ mm	$a_T$ min mm	$a_x$ min mm	$a_x$ section mm
1455	26	2.0	3.5	7	2.0	4/5*	7.5	2.5
1555	38	2.5	5.0	10	2.5	5	10	2.5

\*  $a_T$  min = 4 mm for  $B_i = 38, 58, 78, 103$

$a_T$  min = 5 mm for  $B_i = 25$

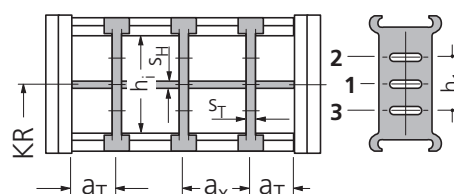
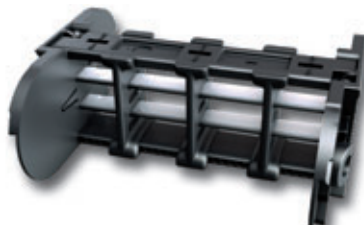


### Divider system TS 1 for design 030/040 with continuous height subdivision made of aluminium

Type	$h_i$ mm	Version A			Version B				$S_H$ mm	$h_1$ mm
		$S_T$ mm	$a_T$ min mm	$a_x$ min mm	$S_T$ mm	$a_T$ min mm	$a_x$ min mm	$a_x$ section mm		
1455	26	2.0	4/5*	7.5	2.0	4/5*	7.5	2.5	2	10
1555	38	2.5	5	10	2.5	5	10	2.5	4	14

\*  $a_T$  min = 4 mm for  $B_i = 38, 58, 78, 103$

$a_T$  min = 5 mm for  $B_i = 25$

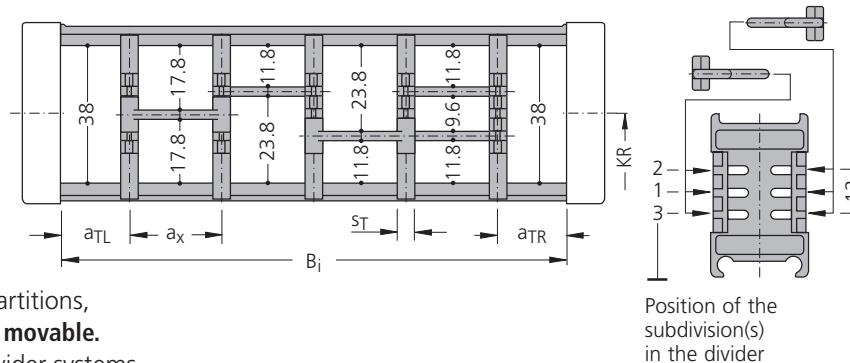




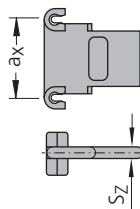
Lighter, quieter, more effective.

## Divider system TS 3 with partitioned height subdivision made of plastic – for UNIFLEX 1555

$s_T$	= 5 mm
$a_{T \min}$	= 2.5 mm
$a_{X \min}$	= 5 mm (without height subdivision)
$a_{X \min}$	= 15 mm (with height subdivision)



The dividers are fixed by the partitions,  
**the complete divider system is movable.**  
In the standard version, the divider systems  
are mounted on every second chain link.

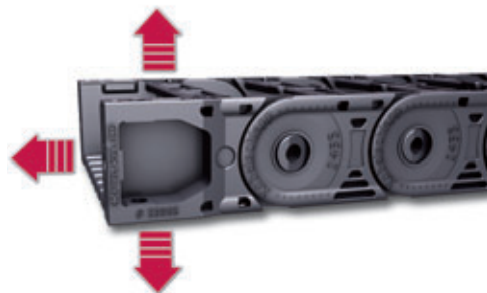


$s_z$
2.4

Dimensions in mm										
$a_x$ (center-to-center distance, dividers)										
15	20	25	30	35	40	45	55	65	75	

## Universal mounting brackets.

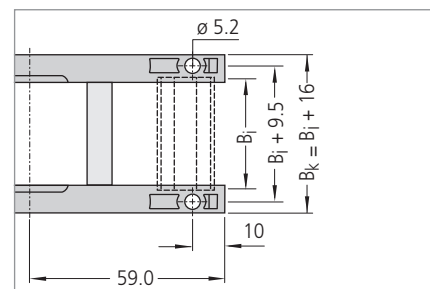
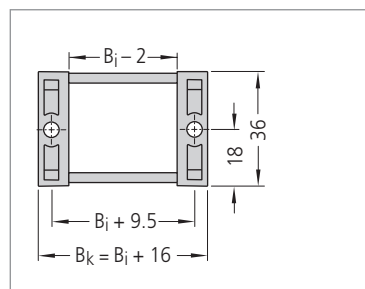
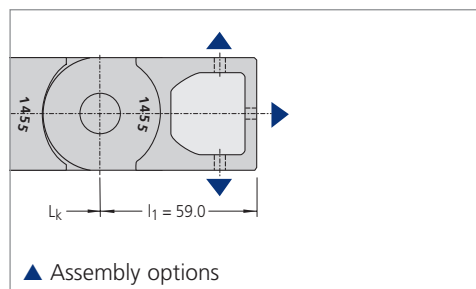
With plastic UMBs (Universal Mounting Brackets),  
you can easily connect the new UNIFLEX **from above,**  
**below, or at the front.**



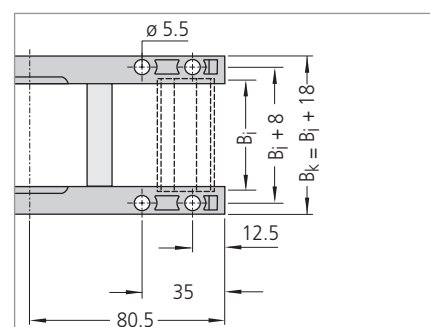
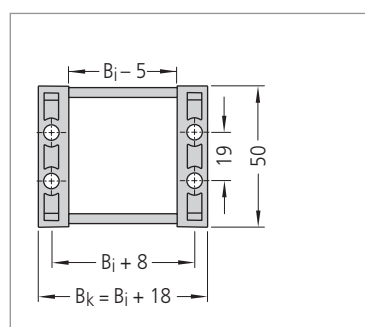
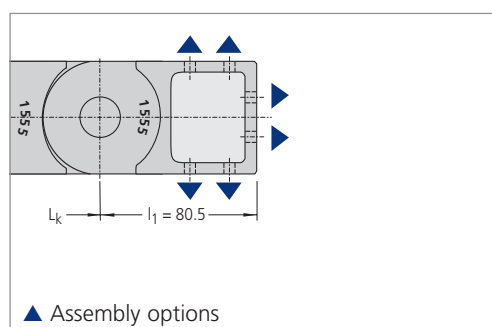
## Connection dimensions.

The dimensions of the fixed point and driver connections are identical.

### UNIFLEX 1455



### UNIFLEX 1555



## Strain relief devices.

The **optional strain relief combs** allow the lines to be affixed securely and simply.

They fit between the universal mounting brackets, and do not need to be screwed on separately or mounted on a C-rail.

### UNIFLEX 1455



■ Universal mounting bracket with strain relief comb **UNIFLEX 1455**.



■ Strain relief comb on one side for **UNIFLEX 1455**.

### UNIFLEX 1555



■ Universal mounting bracket with strain relief comb **UNIFLEX 1555**.



■ Strain relief comb on both sides for **UNIFLEX 1555**.

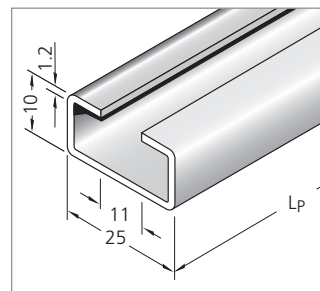
### Optional C-profile – for UNIFLEX 1555

Instead of the strain relief comb, an **optional C-profile** with slot width 11 – 12 mm can be fixed in the end connectors.

Conventional strain relief elements and our SZL strain relief devices can be mounted on the C-profile.



■ C-profile can be fixed directly in the end connector for **UNIFLEX 1555**.



■ Integratable C-profile (slot width 11 – 12 mm) Only item no. 3931

## Sample order.

Cable carrier					Divider system		Connection
<b>1555</b>	<b>030</b>	<b>100</b>	<b>125</b>	<b>1332</b>	<b>TS 0</b>	<b>3</b>	<b>UMB</b>
Type	Design	Inside width B <sub>i</sub> in mm	Bend radius KR in mm	Chain length L <sub>k</sub> in mm (without connection)	Divider system	Number of dividers n <sub>T</sub>	Connection

Optionally available with C-profile or strain relief comb in connection. Please specify this in your order.

#### Ordering divider systems:

Please indicate the designation of the divider system (TS 0, TS 1 ...) and the number of dividers. Possibly attach a sketch with the dimensions.

A large, detailed image of a cable and hose carrier system, showing its flexible, segmented design with multiple internal compartments for cables and hoses. It is shown in a curved, S-shape, demonstrating its flexibility.

#### Cable and Hose Carrier Systems

Cable carriers made of steel and plastic  
QUANTUM Cable and hose carrier system  
PROTUM cable and hose carrier system  
PROFILE cable and hose carrier system  
ROBOTRAX cable and hose carrier system  
LIFE-LINE cable systems  
TOTALTRAX turn-key systems

#### Guideway Protection Systems

Telescopic covers  
Link apron covers  
Way wipers  
Conical spring covers  
Bellows

#### Conveyor Systems

Hinged belt conveyors  
Scraper conveyors  
Belt conveyors

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