

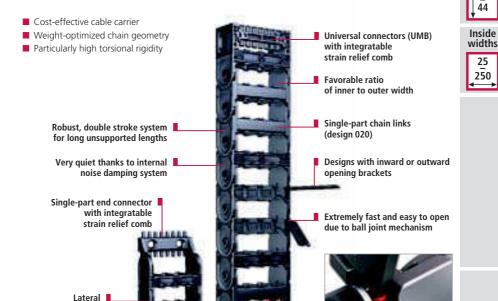
Inside heights

26

(KabelSchlepp

UNIFLEX Advanced

Light, quiet all-rounder with wide range of applications





wear surfaces

Simple divider fastening

UNIFLEX Advanced 1665 with mounting frame stay

The mounting frame stay can be used to reliably route cables with a very large diameter such as extraction hoses, which diameters are greater than the clearance height of the chain links can be routed.







Lateral wear surfaces – for long service life for applications where the carrier is rotated through 90°



Many separation options for the cables

Simple fixing of strain relief comb or C-Rail in the connector

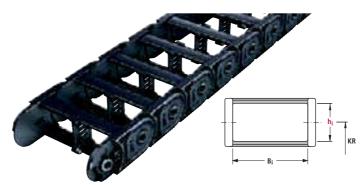
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Design 020 with enclosed frame

Inside heights [↑] 26 44

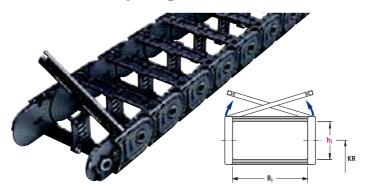
Inside widths 25 250



Туре	hį	Bi			nics of arrangement	
			Maximum travel length in m	Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	Page
1455.020	26	25-103	120	10	50	86
1555.020	38	50-150	125	9	45	86
1665.020	44	50-250	150	8	40	86

Dimensions in mm

Design 030 with outward opening and detachable brackets



Туре	hį	Bi		Dynan unsupported			
			Maximum travel length in m	Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	Page]
1455.030	26	25-103	120	10	50	86	ai
1555.030	38	50-150	125	9	45	86	change.
1665.030	44	50-250	150	8	40	86	2
					Dime	nsions in mm	Subject

Inside heights **1**26 44

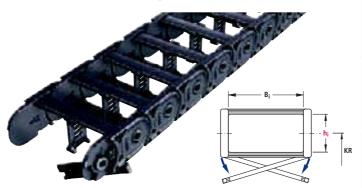
Inside widths

25 250

The power to innovate

Overview UNIFLEX Advanced

Design 040 with inward opening and detachable brackets

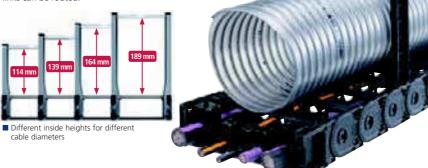


Туре	hį	Bi			nics of arrangement	
			Maximum travel length in m	Travel speed v _{max} in m/s	Travel acceleration a _{max} in m/s ²	Page
1455.040	26	25-103	120	10	50	86
1555.040	38	50-150	125	9	45	86
1665.040	44	50-250	150	8	40	86

Dimensions in mm

UNIFLEX Advanced 1665 with mounting frame stay

The mounting frame stay can be used to reliably route cables with a very large diameter, such as extraction hoses, which diameters are greater than the clearance height of the chain links can be routed



Additional chambers for further cables

Routing of additional cables with small diameters such as electrical or hydraulic cables is possible in the chambers under the main chamber. Dividers can be used for additional separation of the cables.

Do you need further information? Please do get in touch with us, we will be pleased to help you.



Types 1455, 1555 and 1665

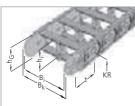
Inside heights

26 44

Inside widths 25 250

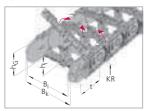
Design 020

Inside/Outside: Not to be opened



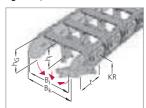
Design 030

Outside: Hinged, openable (on the right/left) and detachable brackets



Design 040

Inside: Hinged, openable (on the right/left) and detachable brackets



Dimensions and intrinsic chain weight

Туре	hi	h _G		Inside widths B _i								B _k
						Intrins	ic chain	weight				
1.455	20	26	25	38	58	78	103	_	-	_	_	D . 16
1455	26	36	0.73	0.75	0.80	0.88	0.98	-	-	_	_	B _i + 16
4555	20	F0	50	75	90*	100	125	150	-	_	-	D . 10
1555	38	50	1.13	1.23	1,29	1.32	1.42	1.51	_	_	_	B _i + 18
4665		60	50	75	100	125	150	175	200**	225	250	D 22
1665	44	60	1.67	1.80	1.92	2.06	2.18	2.31	2.43	2.57	2.70	$B_i + 22$

^{*} Design 020 available on request

Dimensions in mm/Weights in kg/m

1455: t = 45.5 mm 1555: t = 55.5 mm 1665: t = 66.5 mm

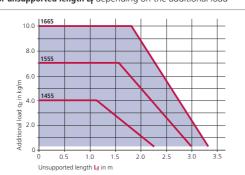
Bend radius and pitch

Туре		Bend radii KR mm										
1455	52	65	95	125	150	180	200	225*				
1555	63	80	100	125	160	200	230**	-				
1665	75	100	120	140	200	250	300	_				

* on request ** B_i 50 and 75 mm on request

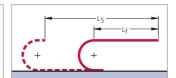
Load diagram

for unsupported length $L_{\!f}$ depending on the additional load



Unsupported length Lf

Pitch:



In the case of longer travel lengths, sag of the cable carriers is technically permissible depending on the application.

In a gliding arrangement, even longer travel lengths are possible (see page 295). We are at your service to advise on these applications.

Example of ordering

Cable carrier				Divider sys	tem	Connection
1555 . 03	0 . 100	. 125	- 1332	TS 0	/ 3	FU/MU
Type Design	Inside width B _i in mm	Bend radius KR in mm	Chain length L _k in mm (without connection)	Divider system	Number of dividers n _T	Connection Fixed point/ Driver

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

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Types 1455, 1555 and 1665

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).**

Version A (Standard)

Divider movable



Fixed dividers are available for applications with transverse accelerations and where the carrier is rotated through 90° (Version B). If the fixed installation version is desired, please

state this on the order.

Version B

Divider fixed in 2.5 mm steps With fixed dividers, fixing is by means of arresting cams in the foot of the divider.







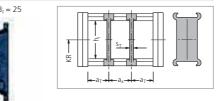
■ Divider with arresting

Divider system TS 0

			Version A		Version B					
Туре	h _i 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	3.5	7	2.0	4/5*	7.5	2.5		
1555	38	2.5	5.0	10	2.5	5	10	2.5		
1665	44	3.0	5.0	10	3.0	5	10	2.5		

* $a_{T min} = 4 mm for B_i = 38, 58, 78, 103$





Divider system TS 1 for Design 030/040

with continuous height subdivision made of aluminium

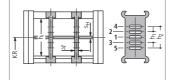
			Version A		Version B						
Туре	h _i mm	S _T mm	a _{T min} mm	a _{x min} mm	S _T mm	a _{T min} mm	a _{x min} mm	a _{x section} mm	S _H mm	h ₁ mm	h ₂ mm
1455	26	2.0	4/5*	7.5	2.0	4/5*	7.5	2.5	2	10	-
1555	38	2.5	5	10	2.5	5	10	2.5	4	14	-
1665	44	3.0	5	10	3.0	5	10	2.5	4	14	28











Types 1455, 1555 and 1665

Divider system TS 3 with section subdivision, partitions made of plastic

Inside heights 26

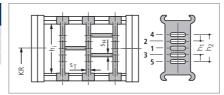


25

250

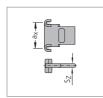
1455 10 26 2.4 1555 38 5 2.4 12 1665 44 8 4.0 14 28

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.

Dimensions of the plastic partitions for TS 3



Types 1455 and 1555

SZ			a _x (Ce	enter to	o cente	r dista	nce, div	riders)		
2.4	15	20	25	30	35	40	45	55	65	75

Type 1665

SZ		a _x (Center to center distance, dividers)									
4	16	18	23	28	32	33	38	43	48	58	
	64	68	78	80	88	96	112	128	144	160	
								n.			

Dimensions in mm

For type 1665, aluminium partitions in 1 mm width sections are available.

When using partitions with $a_X > 112$ mm, there should be an additional central support with a **twin divider** ($S_T = 3 \text{ mm}$).

Twin dividers are designed for subsequent fitting in the partition system.

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Types 1455, 1555 and 1665

Strain relief devices for plastic connectors

71 K - A

Connecting elements with integrated strain relief combs on both sides (ZLK – A)



ZLK – L

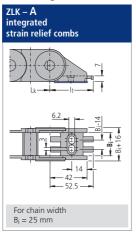
Connecting elements with screw-on type strain relief combs (ZLK – L)



The strain relief combs are generally supplied with the connecting elements. The combs are either clipped to the end connectors and bolted together with them, or screwed on at the desired intervals by using additional boreholes, behind the connecting elements.

Connection dimensions for Type 1455

Connecting elements with strain relief combs on both sides



ZLK – L screwable strain relief combs
Lk - I1 -
6.2
For chain width B _i = 38 – 103 mm

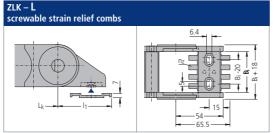
Туре	Bi	Bk	nz
145525	25	41	2
145538	38	54	3
145558	58	74	4
145578	78	94	6
1455103	103	119	8

Dimensions in mm

	The dimensions of t	he fixed point	and driver connec	tions are identical.
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Connection dimensions for Type 1555

Connecting elements with strain relief combs on both sides



Туре	Bi	Bk	nz
155550	50	68	4
155575	75	93	6
1555100	100	118	8
1555125	125	143	10
1555150	150	168	12

Dimensions in mm

For chain width B_i 90 mm connectors made of steel are available.

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



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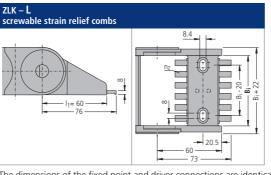
ubject to change.

Connection dimensions for Type 1665

Connecting elements with strain relief combs on both sides

Inside heights 26 44

Inside widths 25 250



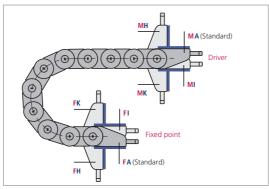
Туре	Bi	Bk	nz
166550	50	72	4
166575	75	97	6
1665100	100	122	8
1665125	125	147	10
1665150	150	172	12
1665175	175	197	14
1665200*	200	222	16
1665225	225	247	18
1665250	250	272	20
* on request	-	Dimoncio	nc in mm

* on request

Dimensions in mm

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

Connection variants



In the standard version, the connectors are mounted with the threaded joint outwards (FA/MA).

When ordering please specify the desired connection type (see ordering key on page 334).

The connection type can subsequently be altered simply by varying the connectors.

Connection point

M – Driver

– Fixed point

Connection type

A - Threaded joint outside (standard)

- Threaded joint inside

Threaded joint, rotated through 90° to the outside

Threaded joint, rotated through 90° to the inside

Selection

Inside widths 25 250

Types 1455, 1555 and 1665

Universal mounting brackets

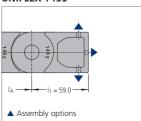
With plastic UMBs (Universal Mounting Brackets), you can easily connect the UNIFLEX from above, from below, or at head height.

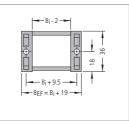


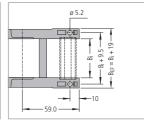
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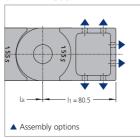
UNIFLEX 1455

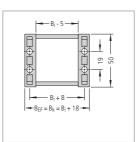


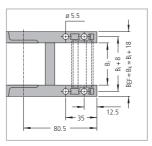




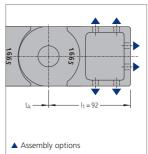
UNIFLEX 1555

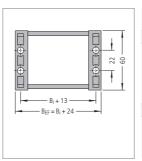


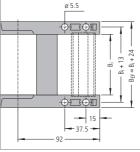




UNIFLEX 1665







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

When ordering please specify the connection type FU/MU (see ordering key on page 334).

Types 1455, 1555 and 1665

Strain relief devices

One-sided strain relief combs made of plastic (UNIFLEX 1455)

The cables can be fixed securely and simply using the optional strain relief combs.

The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.



Inside heights

26

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■ Universal mounting bracket with strain

■ One-sided strain relief comb



Type	R! mm	nz
145525	25	2
145538	38	3
145558	58	5
145578	78	7
1455103	103	9

 n_Z = Number of teeth

■ Fixing in the UMB

Both-sided strain relief combs made of plastic (UNIFLEX 1555/1665)

The cables can be fixed securely and simply using the optional strain relief combs.

The strain relief combs are installed between the UMBs, and do not need to be bolted on separately or mounted on a C-Rail.

Please state on the order whether strain relief combs are needed.





■ Universal mounting bracket with strain relief comb



Туре	B _i mm	nz	
155550	50	3	
155575	75	5	
155590	90*	7	
1555100	100	7	
1555125	125	9	
1555150	150	11	
n Ni mahay af taath an ana aida af			

 n_Z = Number of teeth on one side of the comb

166550	50	3
166575	75	5
1665100	100	7
1665115	115	8
1665125	125	9
1665150	150	11
1665175	175	13
1665225	225*	17
1665250	250*	19

Use our free project planning service.

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^{*} on request

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Types 1455, 1555 and 1665

Strain relief devices

C-rails for LineFix bracket clamps, SZL strain reliefs and clamps (UNIFLEX 1555/1665)

The optional C-rails are fixed by means of the universal mounting brackets and do not have to be screwed separately.

Please state in your order whether C-rails are needed.





■ Universal mounting bracket with C-rail

■ Integratable C-rail 25 x 10 mm, slit width 11 mm, material steel Item-No. 3931

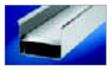
Our LineFix strain reliefs are optimally suited for the C-rails (LineFix bracket clamps and other strain relief devices - see Accessories chapter, from page 302 onwards).





C-rail with LineFix strain relief

Guide channels ➤ from page 295



Strain relief devices ➤ from page 302



Cables for cable carrier systems ➤ from page 344



UNIFLEX

Selection

Inside heights

26 44

Inside widths

> 25 250

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