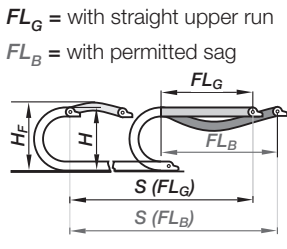
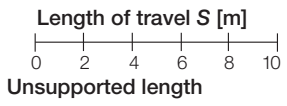
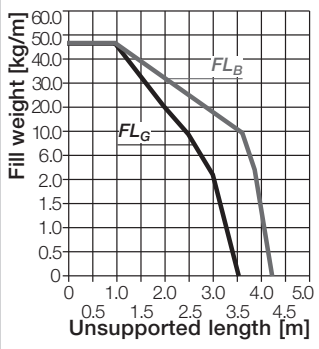


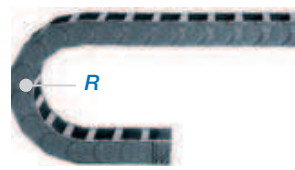
- ❶ Crossbars are removable along both radii
- ❷ Wide, rounded plastic crossbars - cable friendly
- ❸ Lateral glide surfaces for side-mounted operation
- ❹ Closed and open styles can be combined
- ❺ Integrated strain relief possible
- ❻ Locking and pivoting KMA mounting brackets with attachment points on all sides available
- ❼ Stronger version with undercut design
- ❽ Crossbar for faster assembly/disassembly - 450.X.Q

Price index

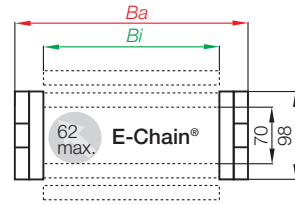
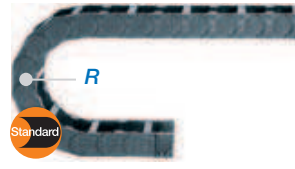
Series 14550      Series 14650      Series 19050



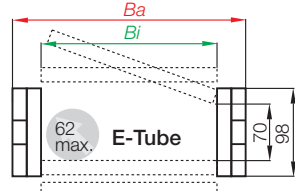
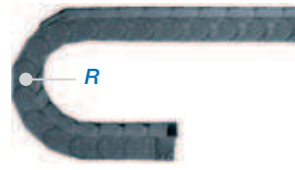
Series 14550 with crossbars every link



Series 14650 with crossbars every other link

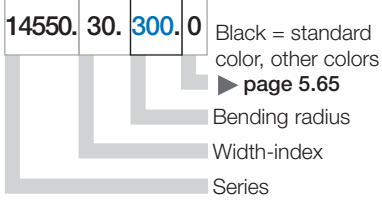


Series 19050 E-Tube - fully enclosed



Part No.	Bi [mm]	Ba [mm]	R [mm]	Bending Radii
14550/14650.05.....	50	77	150*	175* 200
14550/14650.06.....	65	92	250	300 350
14550/14650/19050.07.....	75	102	400	450 500
14550/14650.08.....	87	114	600	
14550/14650/19050.10.....	100	127	Radii for all widths!	
14550/14650.11.....	112	139	** not available for R19050	
14550/14650/19050.12.....	125	152	* Removable lid only, no hinged option	
14550/14650.13.....	137	164		
14550/14650/19050.15.....	150	177		
14550/14650.16.....	162	189		
14550/14650/19050.17.....	175	202		
14550/14650.18.....	187	214		
14550/14650/19050.20.....	200	227		
14550/14650.21.....	212	239		
14550/14650.22.....	225	252		
14550/14650.23.....	237	264		
14550/14650/19050.25.....	250	277		
14550/14650.26.....	262	289		
14550/14650/19050.27.....	275	302		
14550/14650.28.....	287	314		
14550/14650/19050.30.....	300	327		
14550/14650.31.....	312	339		
14550/14650.32.....	325	352		
14550/14650.33.....	337	364		
14550/14650/19050.35.....	350	377		
14550/14650.36.....	362	389		
14550/14650.37.....	375	402		
14550/14650.38.....	387	414		
14550/14650/19050.40.....	400	427		
14550/14650.41.....	412	439		
14550/14650.42.....	425	452		
14550/14650.43.....	437	464		
14550/14650.45.....	450	477		
14550/14650/19050.46.....	462	489		
14550/14650.47.....	475	502		
14550/14650.48.....	487	514		
14550/14650.50.....	500	527		
14550/14650.51.....	512	539		
14550/14650.52.....	525	552		
14550/14650.53.....	537	564		
14550/14650.55.....	550	577		
14550/14650.60.....	600	627		

Part No. structure



Order example 5,0 m complete E-Chain®  
(indicate chain-lengths or number of links)

5,0 m (55 links) **Series 14550.30.300.0**

+ 2 separators **70.1.1** assembled every 2<sup>nd</sup> link

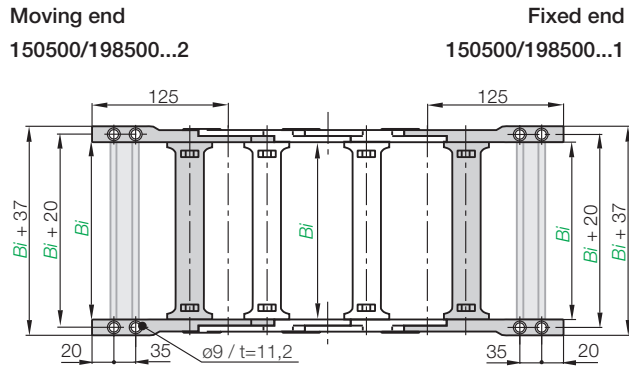
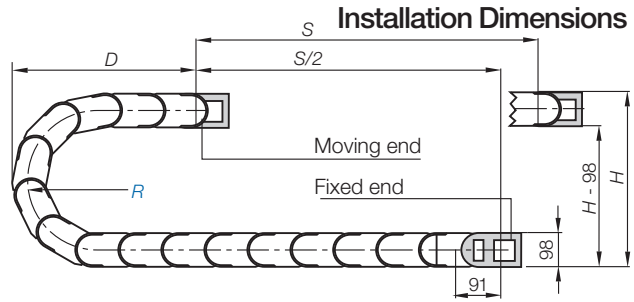
+ 1 set KMA mounting brackets **145500.30.12** (with integrated C-profile)

Supplement Part No. with required radius. Example: **14550.30.300.0**  
Bending radii listed above can be combined with every chain width!

Pitch = 91 mm    Links per m = 11    Chain length =  $S/2 + K$

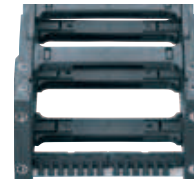
<b>R</b>	150	175	200	250	300	350	400	450	500	600
<b>H</b>	400	450	500	600	700	800	900	1000	1100	1300
<b>D</b>	290	315	340	390	440	490	540	590	640	740
<b>K</b>	655	735	815	970	1125	1285	1440	1600	1755	2070

The required clearance height is  $H_F = H + 50$  mm (with 2,5 kg/m fill weight). Please consult igus® if space is particularly restricted.

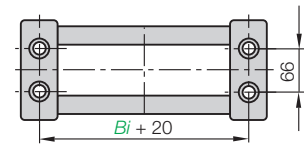


For E-Chain® Part No. full set			Bi	For E-Chain® Part No. full set			Bi
width-index	optional with C-profile		[mm]	width-index	optional with C-profile		[mm]
.05.	145500	.05.12.ⓐ	50	.31.	145500	.31.12.ⓐ	312
.06.	145500	.06.12.ⓐ	65	.32.	145500	.32.12.ⓐ	325
.07.	145500/190500	.07.12.ⓐ	75	.33.	145500	.33.12.ⓐ	337
.08.	145500	.08.12.ⓐ	87	.35.	145500/190500	.35.12.ⓐ	350
.10.	145500/190500	.10.12.ⓐ	100	.36.	145500	.36.12.ⓐ	362
.11.	145500	.11.12.ⓐ	112	.37.	145500	.37.12.ⓐ	375
.12.	145500/190500	.12.12.ⓐ	125	.38.	145500	.38.12.ⓐ	387
.13.	145500	.13.12.ⓐ	137	.40.	145500/190500	.40.12.ⓐ	400
.15.	145500/190500	.15.12.ⓐ	150	.41.	145500	.41.12.ⓐ	412
.16.	145500	.16.12.ⓐ	162	.42.	145500	.42.12.ⓐ	425
.17.	145500/190500	.17.12.ⓐ	175	.43.	145500	.43.12.ⓐ	437
.18.	145500	.18.12.ⓐ	187	.45.	145500	.45.12.ⓐ	450
.20.	145500/190500	.20.12.ⓐ	200	.46.	145500/190500	.46.12.ⓐ	462
.21.	145500	.21.12.ⓐ	212	.47.	145500	.47.12.ⓐ	475
.22.	145500	.22.12.ⓐ	225	.48.	145500	.48.12.ⓐ	487
.23.	145500	.23.12.ⓐ	237	.50.	145500	.50.12.ⓐ	500
.25.	145500/190500	.25.12.ⓐ	250	.51.	145500	.51.12.ⓐ	512
.26.	145500	.26.12.ⓐ	262	.52.	145500	.52.12.ⓐ	525
.27.	145500/190500	.27.12.ⓐ	275	.53.	145500	.53.12.ⓐ	537
.28.	145500	.28.12.ⓐ	287	.55.	145500	.55.12.ⓐ	550
.30.	145500/190500	.30.12.ⓐ	300	.60.	145500	.60.12.ⓐ	600

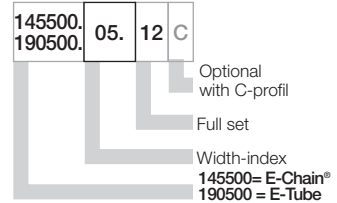
Mounting Brackets



KMA pivoting - mounting with M8 socket head cup bolt (KMA = Polymer Metal Mounting Bracket)



Part No. structure



Full set, for both ends:

145500. 05. 12

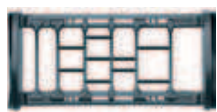
Single-part order:

145500. 05. 2

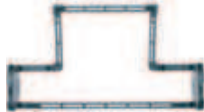
Mounting bracket moving end

145500. 05. 1

Mounting bracket fixed end



Interior Separation  
▶ next page



Extender cross-bars available



Mounting bracket, KMA polymer locking

Additional Features

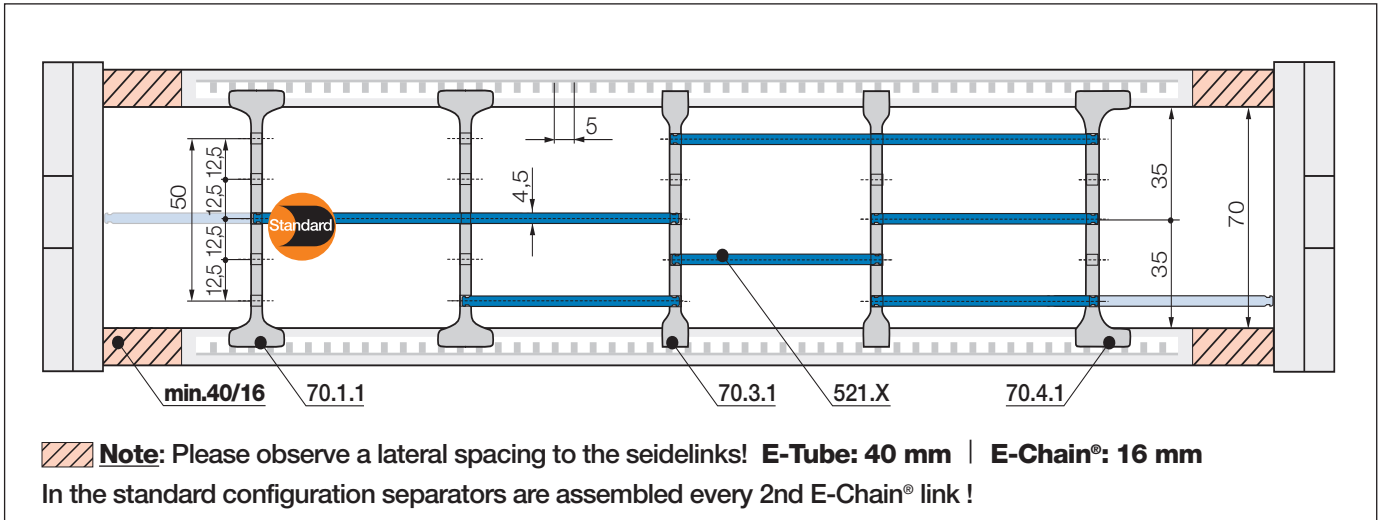

For more features  
▶ see link below

System E4/light  
Inner height: 70 mm

Phone +49- (0) 22 03-96 49-800  
Fax +49- (0) 22 03-96 49-222



▶ 5.321

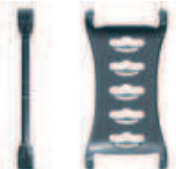



**Standard separator, wide foot**

unassembled	70.1
assembled	70.1.1

**Standard - for all applications**

Separator with wide foot for maximum locking strength and safe standing in E-Chains® and E-Tubes.




**Separator, narrow foot\***

unassembled	70.3
assembled	70.3.1

**For many thin cables**

Separator with narrow foot for a large number of thin cables side by side. Saves space in E-Chains® and E-Tubes. Also available for QuickLock crossbars.

\*available upon request. Delivery time: approx. 1-2 weeks after intake of order



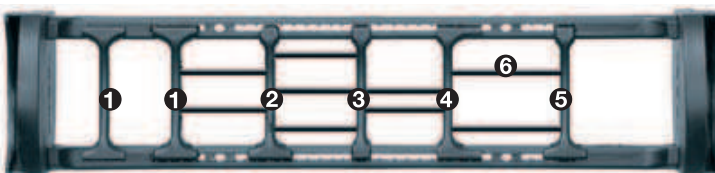
**Asymmetrical separator\***

unassembled	70.4
assembled	70.4.1

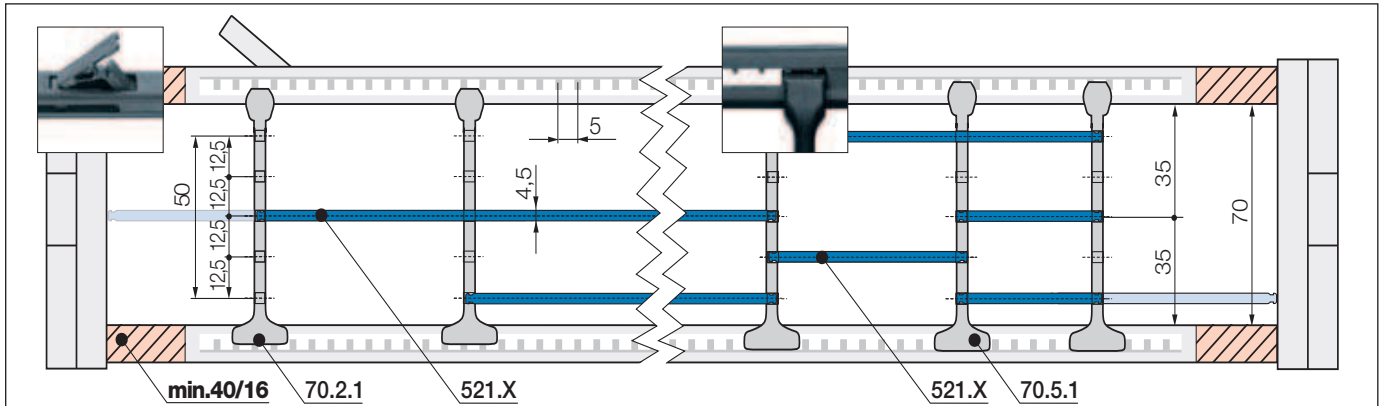
**For side-mounted applications**

Asymmetrical separator, for defined distance. No additional spacers necessary for E-Chains® and E-Tubes.

\*available upon request. Delivery time: approx. 1-2 weeks after intake of order



- ① Standard separator, wide foot - Part No. 70.1
- ② Separator for QuickLock crossbar - Part No. 70.2
- ③ Separator, narrow foot - Part No. 70.3
- ④ Separator, asymmetrical - Part No. 70.4
- ⑤ Notch separator - Part No. 70.5
- ⑥ Full-width shelf, lockable - Part No. 520.XX



**Note:** Please observe a lateral spacing to the sidelinks! **E-Tube: 40 mm** | **E-Chain®: 16 mm**  
In the standard configuration separators are assembled every 2nd E-Chain® link !

**Separator for QuickLock crossbar\***  
unassembled **70.2**  
assembled **70.2.1**

**For even faster installation**

Separator for igus® QuickLock crossbar 450.X.Q. Firm hold to one side with a wide foot, narrow on opposed side for easy cable assembly (slight grip). For E-Tubes also.

\*available upon request. Delivery time: approx. 1-2 weeks after intake of order

**Notch separator for notch crossbar\***  
unassembled **70.5**  
assembled **70.5.1**

**Locks safely onto in 5 mm increments**

Notch separator for the new notch crossbar, with scaling on the notch crossbars. For exact positioning in E-Chains® and E-Tubes. Recommended for side-mounted applications.

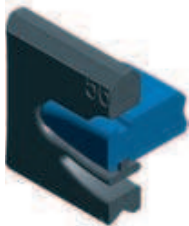
\*available upon request. Delivery time: approx. 1-2 weeks after intake of order

**Full-width shelf, lockable**  
unassembled **520.X**  
assembled **521.X**

**Horizontal separation**

Shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Usable in 5 levels.

**Lockable full-width shelves - for the standard interior separation**



Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled	Width X [mm]	unassembled	assembled
050	520.050	521.050	125	520.125	521.125	225	520.225	521.225
062	520.062	521.062	150	520.150	521.150	250	520.250	521.250
075	520.075	521.075	175	520.175	521.175	300	520.300	521.300
100	520.100	521.100	200	520.200	521.200	450	520.450	521.450

