

For the following igus® Series

System E4

- E4.80/H4.80/R4.80
- 5050/5150/R9850
- 5050HD/R9850HD
- 15050/15150/R19850

System E6

- E6.80

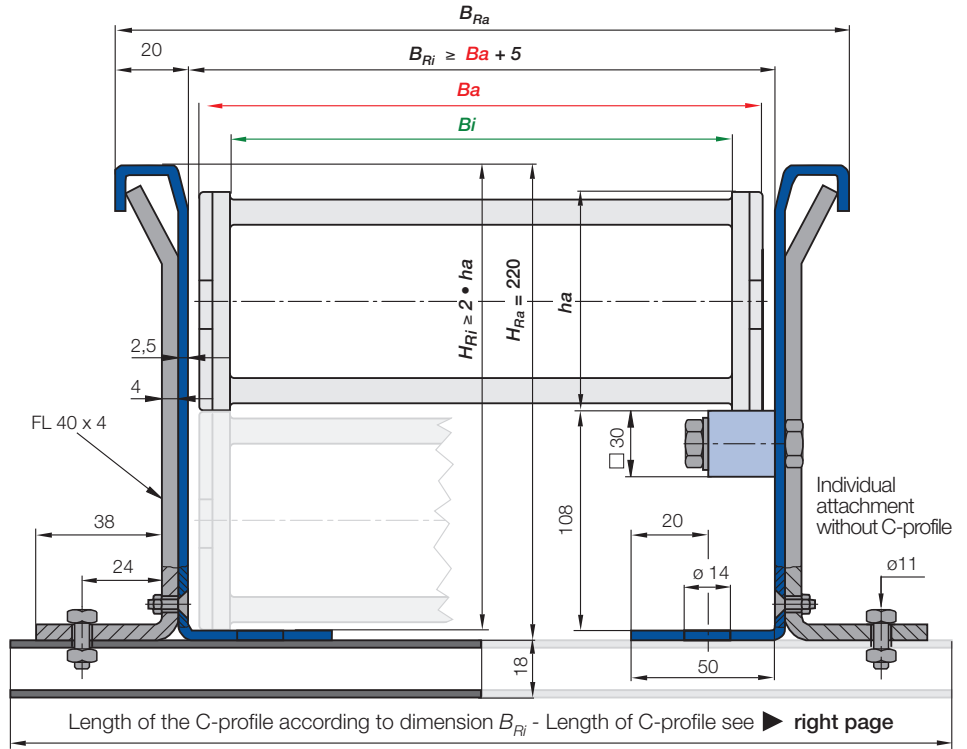


Fixed end module

Quick installation of the mounting brackets due to the prepared bores

▶ page 9.62

- B_a = Outer e-chain® width
- B_i = Inner e-chain® width
- h_a = e-chain® outer height
- H_{Ri} = Inner trough height
- H_{Ra} = Outer trough height
- B_{Ri} = Inner trough width ▶ depends on dim. B_a
- B_{Ra} = Outer trough width
- n_{Mon} = Number of installation sets (left/right)
- n_{Ri} = Number of trough sets (left/right)
- $H_{Ri} \geq 2 \cdot h_a$**
- $B_{Ri} \geq B_a + 5$**
- = Guide trough
- = Glide bar
- = Installation set
- = C-profile



Steel Guide Trough components - Sets and single parts

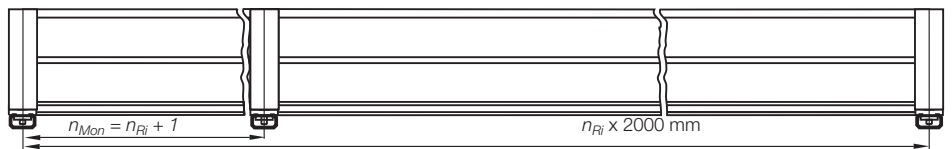
Complete guide trough sets - description	Part No.	Weight	kg
Set of 2 trough side parts without glide bars, 2 m section	96.30	≈ 22,80 kg	
Set of 2 trough side parts with glide bars, 2 m section	96.31	≈ 27,20 kg	
1 Installation set with C-profile	96.50. <input type="text"/>		
1 Installation set without C-profile	96.50	≈ 0,72 kg	
Single parts - description			
1 glide bar, individual, each 2 m	93.01	≈ 1,68 kg	
1 glide bar, individual, each 2 m + 11 screw sets	93.20	≈ 2,22 kg	
11 screw sets for 2 m sections	93.21	≈ 0,54 kg	
1 Clamping bracket, individual	96.51	≈ 0,31 kg	
1 Countersunk-head screw M6 x 14, individual	92.53		
1 Hexagon nut M6, individual	92.54		
1 Hexagon-head screw M10 x 16, individual	92.55		
1 Glide nut M10, individual	92.56		
1 C-profile, individual	92.52. <input type="text"/>	≈ 0,90 kg/m	

Supplement Part No. with the indicated C-profile-length-index. Example: 96.50.

C-profile-length-index for your chosen trough inner width B_{Ri} ▶ right table

Trough side parts also available in stainless steel. Please add index "E" to the Part No. 96.30.E

Principle sketch: Number of installation sets which have to be installed



Calculation - travel center mounted

Half travel length, rounded down to full 2 m sections = X m guide trough length without glide bars + X m guide trough length with glide bars + installation sets (number of trough pieces + 1)

Order example: Length of travel 30 m - Center mounted for Series 5050.05.200.0 with $B_{Ri} = 105$

Guide trough-set of 2 trough side parts, without glide bars:	16 m Guide trough = 8 x 2 m sections (without glide bars)	Part No. 96.30
Guide trough-set of 2 trough side parts, with assembled glide bars:	16 m Guide trough = 8 x 2 m sections (with glide bars)	Part No. 96.31
Installation sets complete (Guide trough-sets + 1)	17 Installation sets (with C-profile)	Part No. 96.50. <input type="text"/>

Part No. Installation set: Steel Guide Trough with C-profile (in dependance of the width)

E4.80/H4.80/R4.80			5050/5150/R9850			5050HD/R9850HD			15050/15150/R19850			E6.80		
E4.80.10.200.0			5050.10.200.0			5050HD.10.200.0			15050.07.200.0			E6.80.05.200.0		
B_{Ri}	Part No.		B_{Ri}	Part No.		B_{Ri}	Part No.		B_{Ri}	Part No.		B_{Ri}	Part No.	
[mm]	Installation set		[mm]	Installation set		[mm]	Installation set		[mm]	Installation set		[mm]	Installation set	
.05	105	96.50.225	.05	105	96.50.225	.05	115	96.50.225	.05	85	*	.05	105	96.50.225
.06	120	96.50.250	.06	120	96.50.250	.06	130	96.50.250	.06	100	*	.06	120	96.50.250
.07	130	96.50.250	.07	130	96.50.250	.07	140	96.50.250	.07	110	96.50.225	.07	130	96.50.250
.10	155	96.50.275	.10	155	96.50.275	.10	165	96.50.275	.10	135	96.50.250	.10	155	96.50.275
.11	168	96.50.300	.11	168	96.50.300	.11	177	96.50.300	.11	148	96.50.275	.11	167	96.50.300
.12	180	96.50.300	.12	180	96.50.300	.12	190	96.50.300	.12	160	96.50.275	.12	180	96.50.300
.13	193	96.50.325	.13	193	96.50.325	.13	202	96.50.325	.13	173	96.50.300	.13	192	96.50.325
.15	205	96.50.325	.15	205	96.50.325	.15	215	96.50.325	.15	185	96.50.300	.15	205	96.50.325
.16	218	96.50.350	.16	218	96.50.350	.16	227	96.50.350	.16	198	96.50.325	.16	217	96.50.350
.17	230	96.50.350	.17	230	96.50.350	.17	240	96.50.350	.17	210	96.50.325	.17	230	96.50.350
.18	243	96.50.375	.18	243	96.50.375	.18	252	96.50.375	.18	223	96.50.350	.18	242	96.50.375
.20	255	96.50.375	.20	255	96.50.375	.20	265	96.50.375	.20	235	96.50.350	.20	255	96.50.375
.21	268	96.50.400	.21	268	96.50.400	.21	277	96.50.400	.21	248	96.50.375	.21	267	96.50.400
.22	280	96.50.400	.22	280	96.50.400	.22	290	96.50.400	.22	260	96.50.375	.22	280	96.50.400
.23	293	96.50.425	.23	293	96.50.425	.23	302	96.50.425	.23	273	96.50.400	.23	292	96.50.425
.25	305	96.50.425	.25	305	96.50.425	.25	315	96.50.425	.25	285	96.50.400	.25	305	96.50.425
.26	318	96.50.450	.26	318	96.50.450	.26	327	96.50.450	.26	298	96.50.425	.26	317	96.50.450
.27	330	96.50.450	.27	330	96.50.450	.27	340	96.50.450	.27	310	96.50.425	.27	330	96.50.450
.28	343	96.50.475	.28	343	96.50.475	.28	352	96.50.475	.28	323	96.50.450	.28	342	96.50.475
.30	355	96.50.475	.30	355	96.50.475	.30	365	96.50.475	.30	335	96.50.450	.30	355	96.50.475
.31	368	96.50.500	.31	368	96.50.500	.31	377	96.50.500	.31	348	96.50.475	.31	367	96.50.500
.32	380	96.50.500	.32	380	96.50.500	.32	390	96.50.500	.32	360	96.50.475	.32	380	96.50.500
.33	393	96.50.525	.33	393	96.50.525	.33	402	96.50.525	.33	373	96.50.500	.33	392	96.50.525
.35	405	96.50.525	.35	405	96.50.525	.35	415	96.50.525	.35	385	96.50.500	.35	405	96.50.525
.36	418	96.50.550	.36	418	96.50.550	.36	427	96.50.550	.36	398	96.50.525	.36	417	96.50.550
.37	430	96.50.550	.37	430	96.50.550	.37	440	96.50.550	.37	410	96.50.525	.37	430	96.50.550
.38	443	96.50.575	.38	443	96.50.575	.38	452	96.50.575	.38	423	96.50.550	.38	442	96.50.575
.40	455	96.50.575	.40	455	96.50.575	.40	465	96.50.575	.40	435	96.50.550	.40	455	96.50.575
.41	468	96.50.600	.41	468	96.50.600	.41	477	96.50.600	.41	448	96.50.575	.41	470	96.50.600
.42	480	96.50.600	.42	480	96.50.600	.42	490	96.50.600	.42	460	96.50.575	.42	480	96.50.600
.43	493	96.50.625	.43	493	96.50.625	.43	502	96.50.625	.43	473	96.50.600	.43	492	96.50.625
.45	505	96.50.625	.45	505	96.50.625	.45	515	96.50.625	.45	485	96.50.600	.45	505	96.50.625
.46	518	96.50.650	.46	518	96.50.650	.46	527	96.50.650	.46	498	96.50.625	.46	517	96.50.650
.47	530	96.50.650	.47	530	96.50.650	.47	540	96.50.650	.47	510	96.50.625	.47	530	96.50.650
.48	543	96.50.675	.48	543	96.50.675	.48	552	96.50.675	.48	523	96.50.650	.48	542	96.50.675
.50	555	96.50.675	.50	555	96.50.675	.50	565	96.50.675	.50	535	96.50.650	.50	555	96.50.675
.51	568	96.50.700	.51	568	96.50.700	.51	577	96.50.700	.51	548	96.50.675	.51	567	96.50.700
.52	580	96.50.700	.52	580	96.50.700	.52	590	96.50.700	.52	560	96.50.675	.52	580	96.50.700
.53	593	96.50.725	.53	593	96.50.725	.53	602	96.50.725	.53	573	96.50.700	.53	592	96.50.725
.55	605	96.50.725	.55	605	96.50.725	.55	615	96.50.725	.55	585	96.50.700	.55	605	96.50.725
.60	655	96.50.775	.60	655	96.50.775	.60	665	96.50.775	.60	635	96.50.750	.60	655	96.50.775

*upon request



Trough (Part No. 96.30 and 96.31)
with reinforced mounting angles for
very rugged and extreme applications

! The inner width of the guide through and the length of the C-Profile of the assembly kit can differ according to the bracket you choose. Please call us!