

For the following igus® Series

System E4

- 5050HD/R9850HD

We especially recommend for the igus® E4/4 series 5050 HD (Heavy Duty) this trough system. Structurally identical with trough 975.30.SL yet with special HD-installation set, suitable for ambitious applications.

- 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

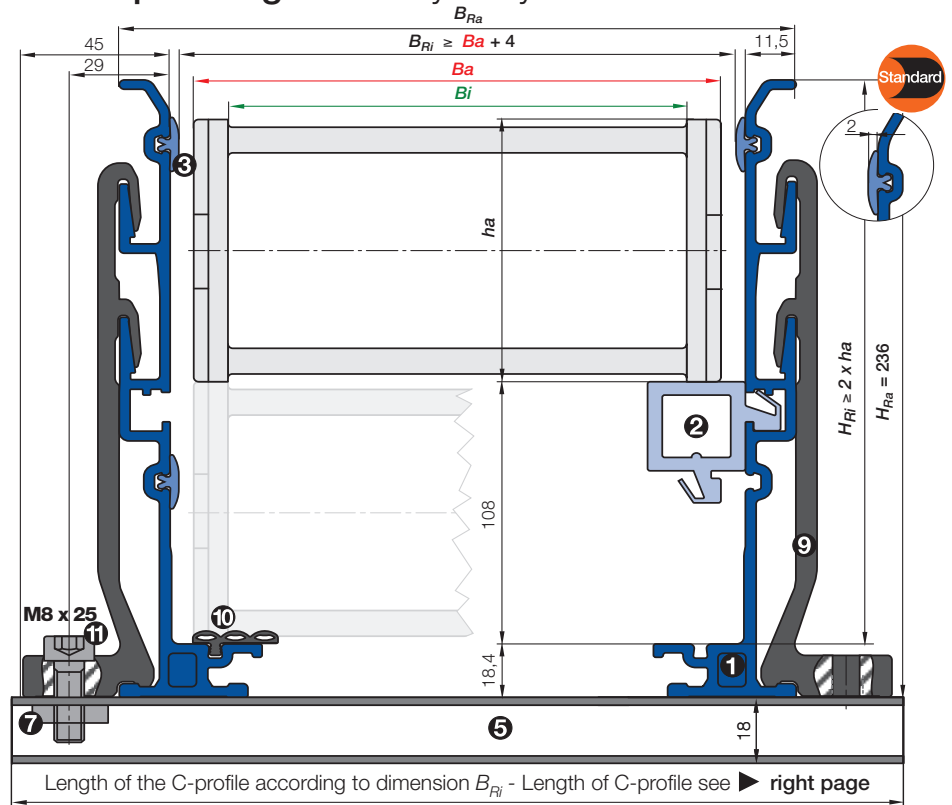
! $H_{Ri} \geq 2 \cdot h_a$
■ $B_{Ri} \geq B_a + 4$

- = Guide trough
- = Glide bar
- = Installation set
- = C-profile

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)

Supplement Part No. with the indicated C-profile-length-index.
Example: 975.50.[200]
C-profile length-index for your chosen trough inner width B_{Ri} ▶ see table on the right or the respective page for chosen series



- Components, trough "Heavy Duty": ① Trough side parts, aluminum, 2 m ② Glide bar, plastic, 2 m ③ Glide strips, plastic, 2 m (without glide strips on request) ⑩ Optional: Silencer profile, rubber
- Components, installation set "Heavy Duty": ⑤ C-profile, steel galvanized ⑦ Sliding nut M8 ⑨ Heavy duty bracket, aluminum ⑪ Screw M8 x 25

Heavy Duty version: Aluminum "SuperTrough" components

Complete guide trough sets - description	Part No.	Weight	kg
① Set of 2 trough side parts, incl. glide strips, without glide bars, 2 m section	975.30.SL	≈ 14,0 kg	
① Set of 2 trough side parts, incl. glide strips, with glide bars, 2 m section	975.31.SL	≈ 16,6 kg	
⑨ 1 Installation set "Heavy Duty" without C-profile	975.50	≈ 0,53 kg	
1 Installation set "Heavy Duty" with C-profile	975.50.[]		
Single parts - description			
③ 1 Glide strip, individual, 2 m section	75.01	≈ 0,06 kg	
⑩ 1 Silencer profile, rubber, individual, 2 m section	75.68.H		
⑪ 1 Screw M8 x 25, individual	MAT 0040445		
⑦ 1 Sliding nut M8, individual	MAT 0040413		
② 1 Glide bar, individual, 2 m section	83.79	≈ 1,30 kg	
⑤ 1 C-profile, individual	92.52.[]	≈ 0,90 kg/m	

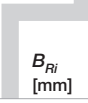
Order example: Length of travel 30 m - Center mounted for Series 5050HD.10.250.0 with $B_{Ri} = 164$

Guide trough set (set of 2 trough side parts, incl. glide strips) without glide bar		
Order text: 16 m guide trough without glide bar (8 x 2 m sections)	Part No.	975.30.SL
Guide trough set (set of 2 trough side parts, incl. glide strips) with glide bar		
Order text: 16 m guide trough with glide bar (8 x 2 m sections)	Part No.	975.31.SL
Installation set "Heavy Duty" complete (guide trough-sets + 1)		
Order text: 17 installation sets "Heavy Duty"	Part No.	975.50.[300]
Option: For an additional noise dampening with silencer profile, please add Index A Example:	Part No.	975.30.SLA

Lengths of C-profile

5050HD/R9850HD

5050HD.30.300.0



B_{Ri} [mm]	Part No. assembled
.05 114	975.50.250
.06 129	975.50.250
.07 139	975.50.275
.08 152	975.50.275
.10 164	975.50.300
.11 176	975.50.300
.12 189	975.50.325
.13 201	975.50.325
.15 214	975.50.350
.16 226	975.50.350
.17 239	975.50.375
.18 251	975.50.375
.20 264	975.50.400
.21 276	975.50.400
.22 289	975.50.425
.23 301	975.50.425
.25 314	975.50.450
.26 326	975.50.450
.27 339	975.50.475
.28 351	975.50.475
.30 364	975.50.500
.31 376	975.50.500
.32 389	975.50.525
.33 401	975.50.525
.35 414	975.50.550
.36 426	975.50.550
.37 439	975.50.575
.38 451	975.50.575
.40 464	975.50.600
.41 476	975.50.600
.42 489	975.50.625
.43 501	975.50.625
.45 514	975.50.650
.46 526	975.50.650
.47 539	975.50.675
.48 551	975.50.675
.50 564	975.50.700
.51 576	975.50.700
.52 589	975.50.725
.53 601	975.50.725
.55 614	975.50.750
.60 664	975.50.800