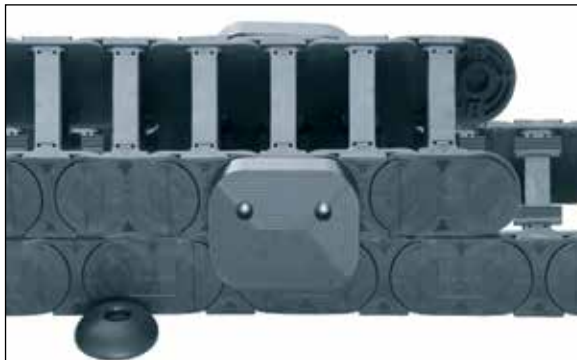
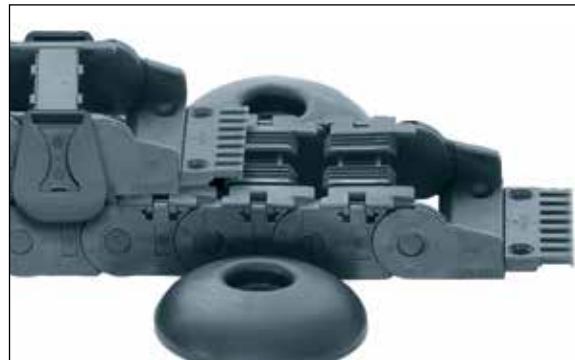


There are 4 options for the igus® autoglide system:



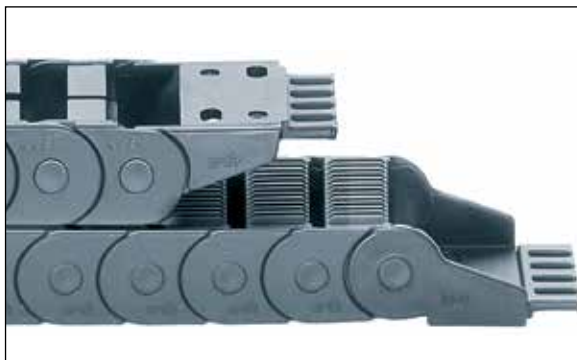
Version 01 - For igus® E4-1 e-chains®

Special crossbars in the inner radius of the e-chain® fitted with molded-on autoglide grooves



Version 02 - For igus® E2/000 e-chains®

Special crossbars with molded-on autoglide grooves. To be opened along the inner radius.



Version 03 - For igus® E-Z Chains

Combination of the easily fillable E-Z Chain and injection-molded autoglide grooves in the inner radius



Version 04 - For Series E2/000 e-chains®

Special plastic autoglide grooves side-mounted on the e-chain® hold the e-chain® "in the track"

Save on long travels, self-guiding e-chains® - autoglide

Long travels are always demanding for an e-chain system®. For much of the travel, the e-chain® must run on the lower run or on the glide bars. In addition the e-chain system® needs guides, in order to prevent a sideways movement. In most cases this is ensured through a guide trough. However, there are also applications where a guide trough is not desired for space reasons, whether this is due to optical considerations or spatial conditions. In order to cater for this possibility, igus® developed the autoglide system in 1995. autoglide is a self-aligning e-chain®, which can eliminate guide troughs for up to 262 ft. (80 m) travel.

- Travels up to 262 ft. (80 m) and travel speeds up to 8.20 ft/s (2.5 m/s)
- Cost-effective solution, guide troughs not required
- Very quick installation times for long travels
- Small installation width, quiet operation

Typical industries and applications

- Industrial vehicles
- Long travels with easier filling
- Simple outdoor applications

Special solutions for long travel autoglide - Self-guiding e-chain systems®

Selection Table - Technical Data

Series	Inner height <i>hi</i> in. (mm)	Inner width <i>Bi</i> in. (mm)	Outer width <i>Ba</i> in. (mm)	Outer height <i>ha</i> in. (mm)	Bending radius <i>R</i> in. (mm)	Maximum Travel ft. (m)
--------	---------------------------------------	--------------------------------------	--------------------------------------	---------------------------------------	--	------------------------------



Version 01 autoglide -

Self-guiding e-chains® for system E4-1

Crossbars in the inner radius of the e-chain®
fitted with molded-on autoglide grooves

E4-32AG	1.26 (32)	4.41-10.31 (112-262)	5.35-11.26 (136-286)	2.13 (54)	3.94-11.81 (100-300)	196.9 (60)
E4-42AG	1.65 (42)	4.41-10.31 (112-262)	5.47-11.38 (139-289)	2.52 (64)	4.92-13.78 (125-350)	229.7 (70)
E4-56AG	2.20 (56)	5.91-9.84 (150-250)	7.24-11.18 (184-284)	3.31 (84)	5.91-19.69 (150-500)	262.5 (80)



Version 02 autoglide -

Self-guiding e-chains® for system E2/000

Crossbars in the inner radius of the e-chain®
fitted with molded-on autoglide grooves

2400AG	.98 (25)	2.24-3.03 (57-77)	2.87-3.66 (73-93)	1.38 (35)	2.95-9.84 (075-250)	131.2 (40)
2600AG	1.38 (35)	1.97-2.95 (50-75)	2.60-3.58 (66-91)	1.97 (50)	2.95-9.84 (075-250)	196.9 (60)
3400AG	1.77 (45)	2.95-3.94 (75-100)	3.74-4.72 (95-120)	2.52 (64)	3.94-11.81 (100-300)	229.7 (70)



Version 03 autoglide -

Easy filling - simply press cables in

E-Z Chain Design in the outer radius, fitted with molded-on
autoglide grooves in the inner radius

EA16	1.26 (32)	1.89 (48)	2.36 (60)	1.54 (39)	2.56-3.94 (065-100)	65.6 (20)
EA25	.98 (25)	1.97 (50)	2.36 (60)	.99 (25.2)	2.95-3.94 (075-100)	65.6 (20)



Version 04 autoglide -

Special glide elements provide a secure guidance
on E2/000: e-chain®, half and full E-Tubes

2400/2500-AG	.98 (25)	2.24-4.92 (57-125)	2.87-5.55 (73-141)	1.38 (35)	2.17-9.84 (055-250)	65.6 (20)
2600/2700-AG	1.38 (35)	1.97-9.84 (50-250)	2.60-7.64 (66-194)	1.97(50)	2.95-9.84 (075-250)	98.4 (30)

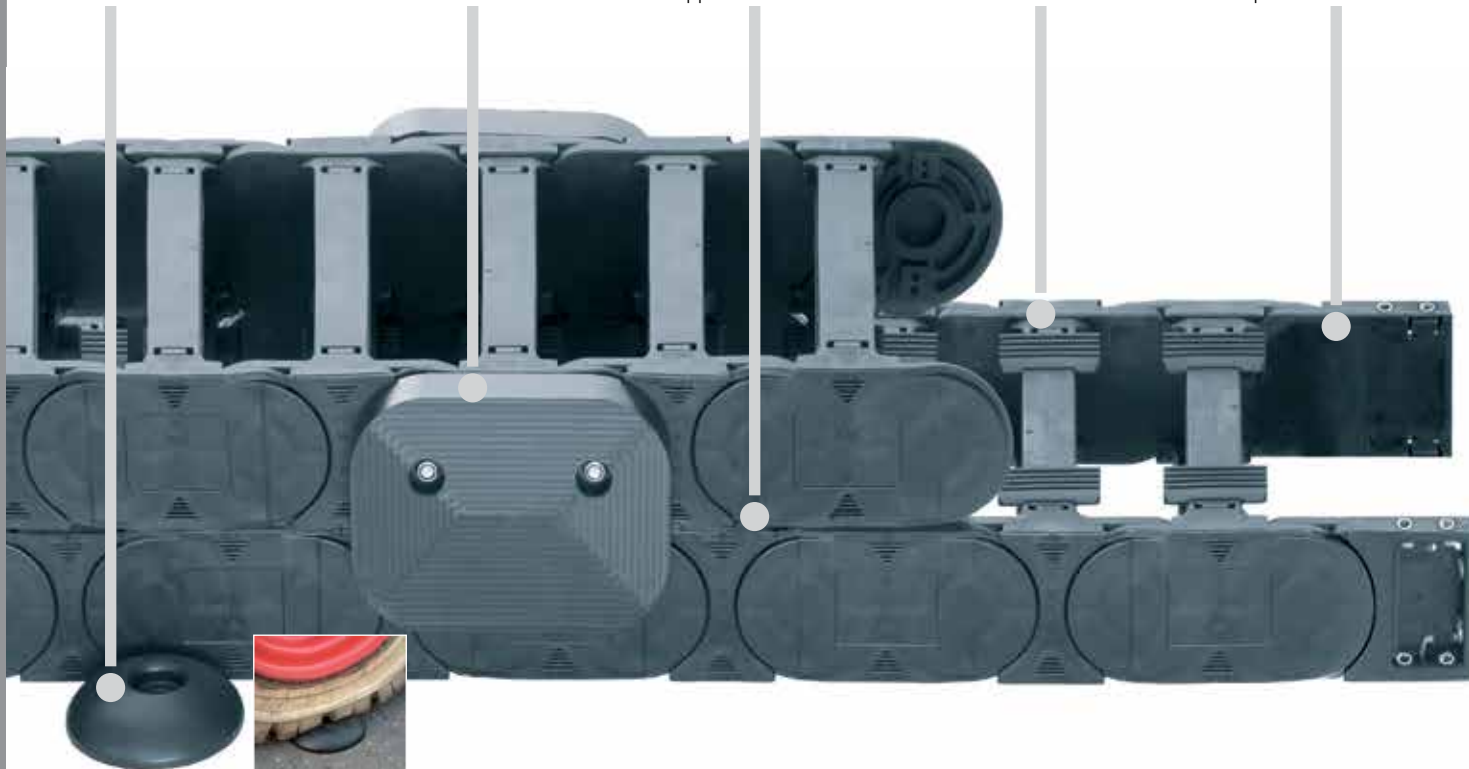
Practical:
 Traversable floor guides

Safe on track:
 Assembled glide wing
 feeds the e-chain®

Smooth running:
 Offset operation of
 upper and lower run

Secure guidance:
 comb style autoglide
 crossbars

Universal:
 KMA with attachment
 points on all sides



Self-guiding e-chains® for System E4-1 autoglide Version 01

For the larger e-chains® of the E4-1 system - crossbars in the inner radius of the e-chains® are provided with injection-molded glide shoes. **Glide wings and floor guides** - Simple guide elements for quick installation on the subsurface are available for the autoglide system version 01. The traversable eccentric floor guides are fastened every 6.56 ft.(2 m) on the subsurface. The glide wing fastened on the moving end feeds the e-chains® and holds this securely in the track. The autoglide crossbars safely guide the e-chains® and replace the guide trough.

- Save purchase and installation costs with this system
- Traversable over floor guide for travel distances over 32.8 ft.(10 m).

Note: Only two glide wings **AG-XXX-OFF** are required for the safe feeding of the e-chains®. The mounting of the glide wing is done on the outer link of the upper run, which is laid down first on the lower run.

Typical industries and applications

- Industrial vehicles
- Long travels with easier filling
- Simple outdoor applications

Special solutions for long travel autoglide - Self-guiding e-chain systems® Version 01 - Technical Data - Order Examples



autoglide with assembled glide wing. Module, containing 3 e-chain® links and 2 glide wings
Part No. E4-32-15-150-0-AG-OF-NC



autoglide self-guiding e-chains®
Part No. E4-32-15-150-0-AG-NC



Glide wing Part No. AG-280-OF and floor guide Part No. AG-380-BF as single parts



Part number structure E4-32-15-150-0-AG-OF-NC



Order example | Part number structure



Order example for complete e-chain® Series E4-32AG 49.2 ft. (15 m), color black, with mounting brackets and interior separation:

e-chain® 49.2 ft. (15 m)	Please indicate e-chain® length or number of links: 49.2 ft. (15 m) or 287 links	E4-32-15-150-0-AG-NC
e-chain® + glide wing	Module, containing 3 e-chain® links and 2 glide wings	E4-32-15-150-0-AG-OF-NC
+ Floor guides	8 pieces (2 pieces every 6.56 ft. (2 m) from the half of travel)	AG-380-BF

Order text: 49.2 ft. (15 m) E4-32-15-150-0-AG-NC + E4-32-15-150-0-AG-OF-NC + AG-380-BF + Mounting bracket + Interior separation (optional)

Note: We require one glide wing per e-chain® to the left and right at the position where the upper run first meets the lower run.

Long travels	from 32.8 ft. (10 m) up to max. 262 ft. (80 m)
Speed max. gliding / acceleration max. gliding	max. 8.20 ft/s (2.5 m/s) / max. 8.20 ft/s² (2.5 m/s²)
Material - permitted temperature	igumid G / -40°F (-40°C) up to +248°F (+120° C)
Flammability Class, igumid G	VDE 0304 IIC UL94 HB

Technical Data



Details of material properties

► Chapter 1



Series E4-32AG - openable along both radii, crossbars every link - autoglide crossbars along the inner radius

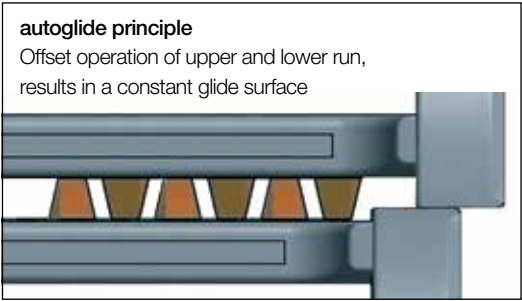
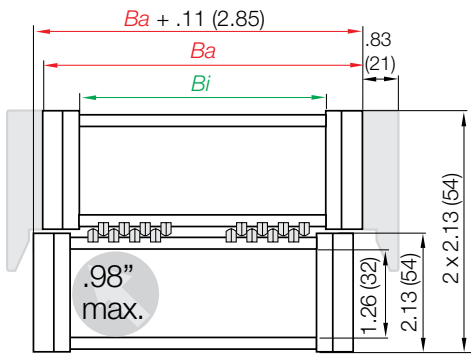
Supplement part number with required radius. Example: E4-32-15-150-0-AG-NC
Pitch: 2.20 in. (56 mm) per link links/ft (m) = 5.49 (18)

Part Number					Weight	Glide Wing	Floor Guide	
Crossbars		<i>Bi</i>	<i>Ba</i>			Single part	Single part	
Every Link		in. (mm)	in. (mm)		lbs/ft (kg/m)			
E4-32-112-	☐	-0-AG-NC	4.41 (112)	5.35 (136)	≈ 1.42 (2.106)	AG-380-OF	AG-380-BF	
E4-32-12-	☐	-0-AG-NC	4.92 (125)	5.83 (148)	≈ 1.46 (2.176)	AG-380-OF	AG-380-BF	
E4-32-15-	☐	-0-AG-NC	5.91 (150)	6.81 (173)	≈ 1.57 (2.343)	AG-380-OF	AG-380-BF	
E4-32-17-	☐	-0-AG-NC	6.61 (168)	7.52 (191)	≈ 1.64 (2.444)	AG-380-OF	AG-380-BF	
E4-32-20-	☐	-0-AG-NC	7.87 (200)	8.78 (223)	≈ 1.79 (2.657)	AG-380-OF	AG-380-BF	
E4-32-262-	☐	-0-AG-NC	10.31 (262)	11.26 (286)	≈ 2.05 (3.050)	AG-380-OF	AG-380-BF	
Choose from the radii below for all of the above sizes								
<i>Radius</i> (mm)Example: E4-32-15- 150 -0-AG-NC								
	100	125	150	175	200	220	250	300
<i>R</i>	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.66 (220)	9.84 (250)	11.81 (300)
<i>H</i>	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
<i>D</i>	14.57 (370)	18.50 (470)	19.69 (500)	25.79 (655)	30.31 (770)	35.43 (900)	36.61 (930)	43.31 (1100)
<i>K</i>	33.07 (840)	40.71 (1064)	48.50 (1232)	61.73 (1568)	72.76 (1848)	81.57 (2072)	88.19 (2240)	105.83 (2688)

Special solutions for long travel
autoglide - Version 01 - Self-guiding e-chain systems®
E4-32AG - Installation Dimensions

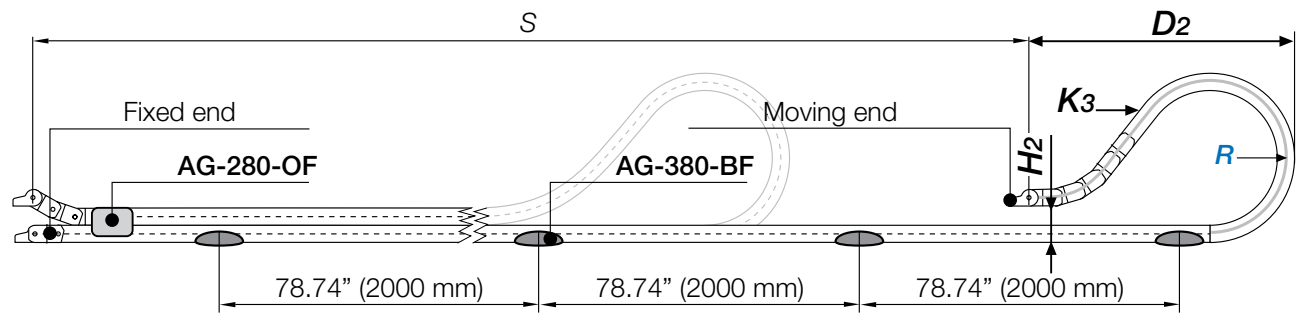


autoglide



Gliding applications

Long travel lengths up to 197 ft. (60 m), Fill weights up to 3.36 to 4.70 lbs/ft (5.0 to 7.0 kg/m)
In case of travels less than 32.8 ft. (10m) we recommend an self-supporting e-chain®.
NOTE: Systems of this type should be designed by our system design engineers.
Please contact igus® for assistance with your application.



R	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.66 (220)	9.84 (250)	11.81 (300)
H _i	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
D ₂	14.57 (370)	18.50 (470)	19.69 (500)	25.79 (655)	30.31 (770)	35.43 (900)	36.61 (930)	43.31 (1100)
K ₃	33.07 (840)	40.71 (1064)	48.50 (1232)	61.73 (1568)	72.76 (1848)	81.57 (2072)	88.19 (2240)	105.83 (2688)

Legend

S = Length of travel
R = Bending radius
H_i = Trough inner height
H₂ = Mounting height
D₂ = Overlength - long travels, gliding

Pitch per link = 2.20" (56 mm)
Links per ft (m) = 5.49 (18)
For center mount applications:
Chain length = S + K₃

Available Accessories

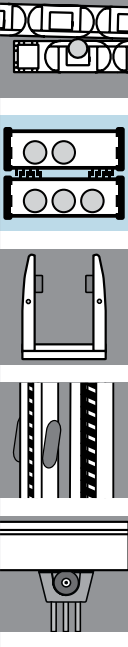


Optimized, cable-friendly interior separation program



Pivoting KMA mounting brackets with attachment points on all sides

PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains





Series E4-42AG - openable along both radii, crossbars every link - autoglide crossbars along the inner radius

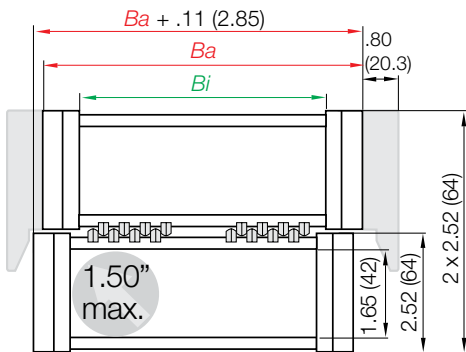
Supplement part number with required radius. Example: E4-42-15-150-0-AG-NC
Pitch: 2.64 in. (67 mm) per link links/ft (m) = 4.57 (15)

Part Number					Weight	Glide Wing	Floor Guide
Crossbars			Bi	Ba		Single part	Single part
Every Link			in. (mm)	in. (mm)	lbs/ft (kg/m)		
E4-42-112-	☐	-0-AG-NC	4.41 (112)	5.47 (139)	≈ 1.59 (2.372)	AG-380-OF	AG-380-BF
E4-42-12-	☐	-0-AG-NC	4.92 (125)	5.94 (151)	≈ 1.63 (2.430)	AG-380-OF	AG-380-BF
E4-42-15-	☐	-0-AG-NC	5.91 (150)	6.93 (176)	≈ 1.73 (2.569)	AG-380-OF	AG-380-BF
E4-42-17-	☐	-0-AG-NC	6.61 (168)	7.64 (194)	≈ 1.78 (2.654)	AG-380-OF	AG-380-BF
E4-42-20-	☐	-0-AG-NC	7.87 (200)	8.90 (226)	≈ 1.90 (2.831)	AG-380-OF	AG-380-BF
E4-42-262-	☐	-0-AG-NC	10.31 (262)	11.38 (289)	≈ 2.12 (3.159)	AG-380-OF	AG-380-BF
Choose from the radii below for all of the above sizes							
Radius (mm)Example: E4-42-15-150-0-AG-NC							
	125	150	160	175	200	250	300
R	4.92 (125)	5.91 (150)	6.30 (160)	6.89 (175)	7.87 (200)	9.84 (250)	11.81 (300)
H.	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
D.	18.70 (475)	22.44 (570)	24.53 (623)	26.38 (670)	30.71 (780)	40.55 (1030)	59.06 (1500)
K.	44.84 (1139)	52.76 (1340)	58.03 (1474)	63.31 (1608)	73.86 (1876)	94.96 (2412)	111.89 (2747)

Special solutions for long travel autoglide - Version 01- Self-guiding e-chain systems® E4-42AG - Installation Dimensions

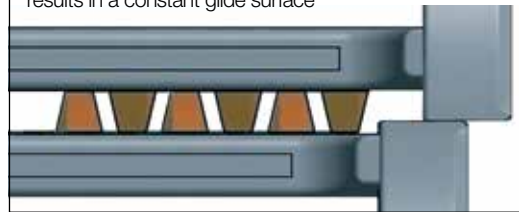


autoglide



autoglide principle

Offset operation of upper and lower run, results in a constant glide surface



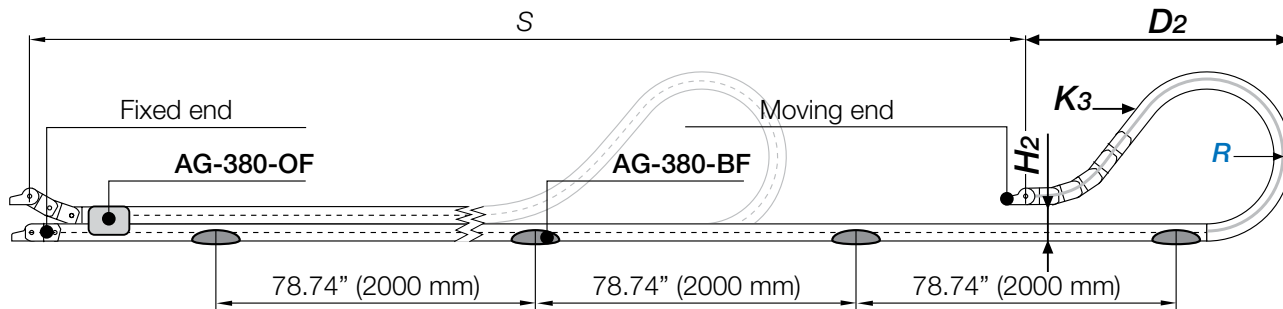
Gliding applications

Long travel lengths up to 230 ft. (70 m), Fill weights up to 2.69 to 6.45 lbs/ft (4.0 to 9.6 kg/m)

In case of travels less than 32.8 ft. (10m) we recommend an self-supporting e-chain®.

NOTE: Systems of this type should be designed by our system design engineers.

Please contact igus® for assistance with your application.



R	4.92 (125)	5.91 (150)	6.30 (160)	6.89 (175)	7.87 (200)	9.84 (250)	11.81 (300)	13.78 (350)
H ₂	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
D ₂	18.70 (475)	22.44 (570)	24.53 (623)	26.38 (670)	30.71 (780)	40.55 (1030)	45.28 (1150)	59.06 (1500)
K ₃	44.84 (1139)	52.76 (1340)	58.03 (1474)	63.31 (1608)	73.86 (1876)	94.96 (2412)	111.89 (2747)	139.80 (3551)

Pitch per link: = 2.64" (67 mm)

Links per ft (m): = 4.57 (15)

For center mount applications:

Chain length = S + K₃

Legend

S = Length of travel
R = Bending radius
H₂ = Trough inner height
H₂ = *Mounting height
D₂ = Overlength - long travels, gliding

Available Accessories

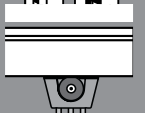
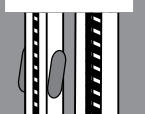
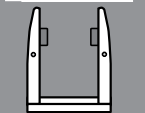
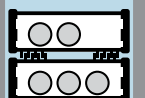


Optimized, cable-friendly interior separation program



Pivoting KMA mounting brackets with attachment points on all sides

PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains





Series E4-56AG - openable along both radii, crossbars every link - autoglide crossbars along the inner radius

Supplement part number with required radius. Example: E4-56-15-150-0-AG-NC
Pitch: 3.58 in. (91 mm) per link links/ft (m) = 3.35 (11)

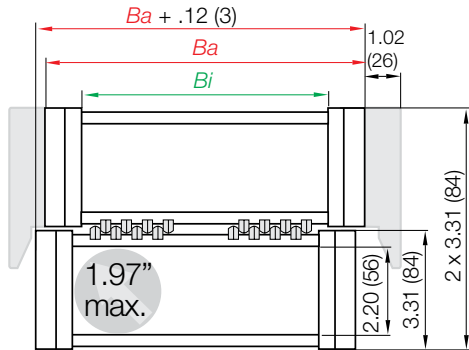
Part Number			Weight		Glide Wing Single part	Floor Guide Single part
Crossbars						
Every Link						
		<i>Bi</i>	<i>Ba</i>			
		in. (mm)	in. (mm)	lbs/ft (kg/m)		
E4-56-15-		-0-AG-NC	5.91 (150)	7.24 (184)	≈2.76 (4.109)	AG-400-OF
E4-56-21-		-0-AG-NC	8.35 (212)	9.72 (247)	≈3.07 (4.567)	AG-400-OF
E4-56-25-		-0-AG-NC	9.84 (250)	11.18 (284)	≈3.29 (4.896)	AG-400-OF
Choose from the radii below for all of the above sizes						
<i>Radius</i> (mm)Example: E4-56-15- -0-AG-NC						
	150	175	200	240	250	300
	350	400	450	500		
<i>R</i>	5.91 (150)	6.89 (175)	7.87 (200)	9.45 (240)	9.84 (250)	11.81 (300)
<i>H</i>	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)
<i>D</i>	17.72 (450)	22.83 (580)	27.95 (710)	35.43 (900)	38.58 (980)	46.46 (1180)
<i>K</i>	42.99 (1092)	57.32 (1456)	68.07 (1729)	85.98 (2184)	93.15 (2366)	111.06 (2821)

Special solutions for long travel autoglide - Version 01 - Self-guiding e-chain systems® E4-56AG - Installation Dimensions



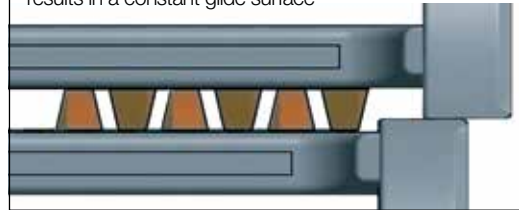
autoglide

2.20



autoglide principle

Offset operation of upper and lower run, results in a constant glide surface



Gliding applications

Long travel lengths up to 262 ft. (80 m), Fill weights up to 4.30 to 8.06 lbs/ft (6.4 to 12.0 kg/m)

In case of travels less than 32.8 ft. (10m) we recommend an self-supporting e-chain®.

NOTE: Systems of this type should be designed by our system design engineers.

Please contact igus® for assistance with your application.

Pitch per link: = 3.58" (91 mm)

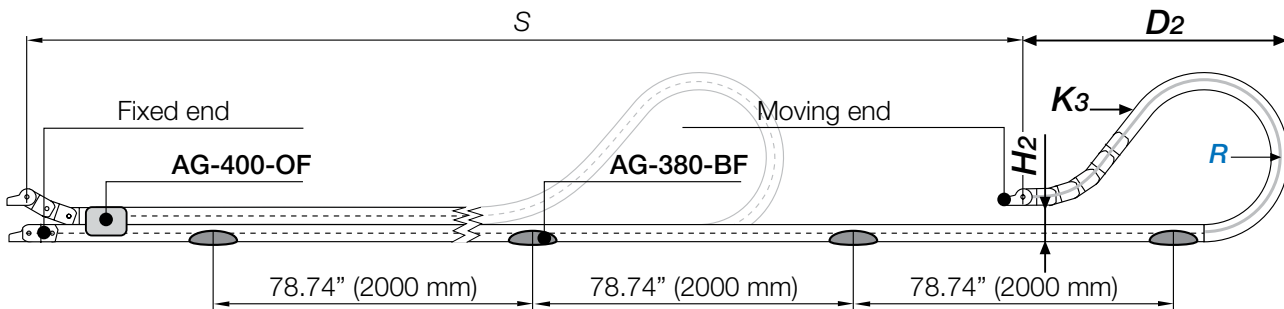
Links per ft (m): = 3.35 (11)

For center mount applications:

Chain length = $S + K_3$

Legend

- S = Length of travel
- R = Bending radius
- H_{in} = Trough inner height
- H₂ = *Mounting height
- D = Overlength - long travels, gliding



R	5.91 (150)	6.89 (175)	7.87 (200)	9.45 (240)	9.84 (250)	11.81 (300)	13.78 (350)	15.75 (400)	17.72 (450)	19.69 (500)
H _{in}	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)	10.47 (266)
D	17.72 (450)	22.83 (580)	27.95 (710)	35.43 (900)	38.58 (980)	46.46 (1180)	56.69 (1440)	60.24 (1530)	66.93 (1700)	72.83 (1850)
K ₃	42.99 (1092)	57.32 (1456)	68.07 (1729)	85.98 (2184)	93.15 (2366)	111.06 (2821)	128.98 (3276)	143.31 (3640)	161.22 (4095)	179.13 (4550)

Available Accessories

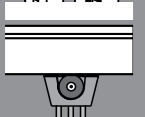
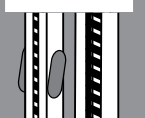
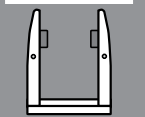
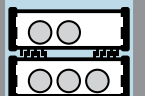


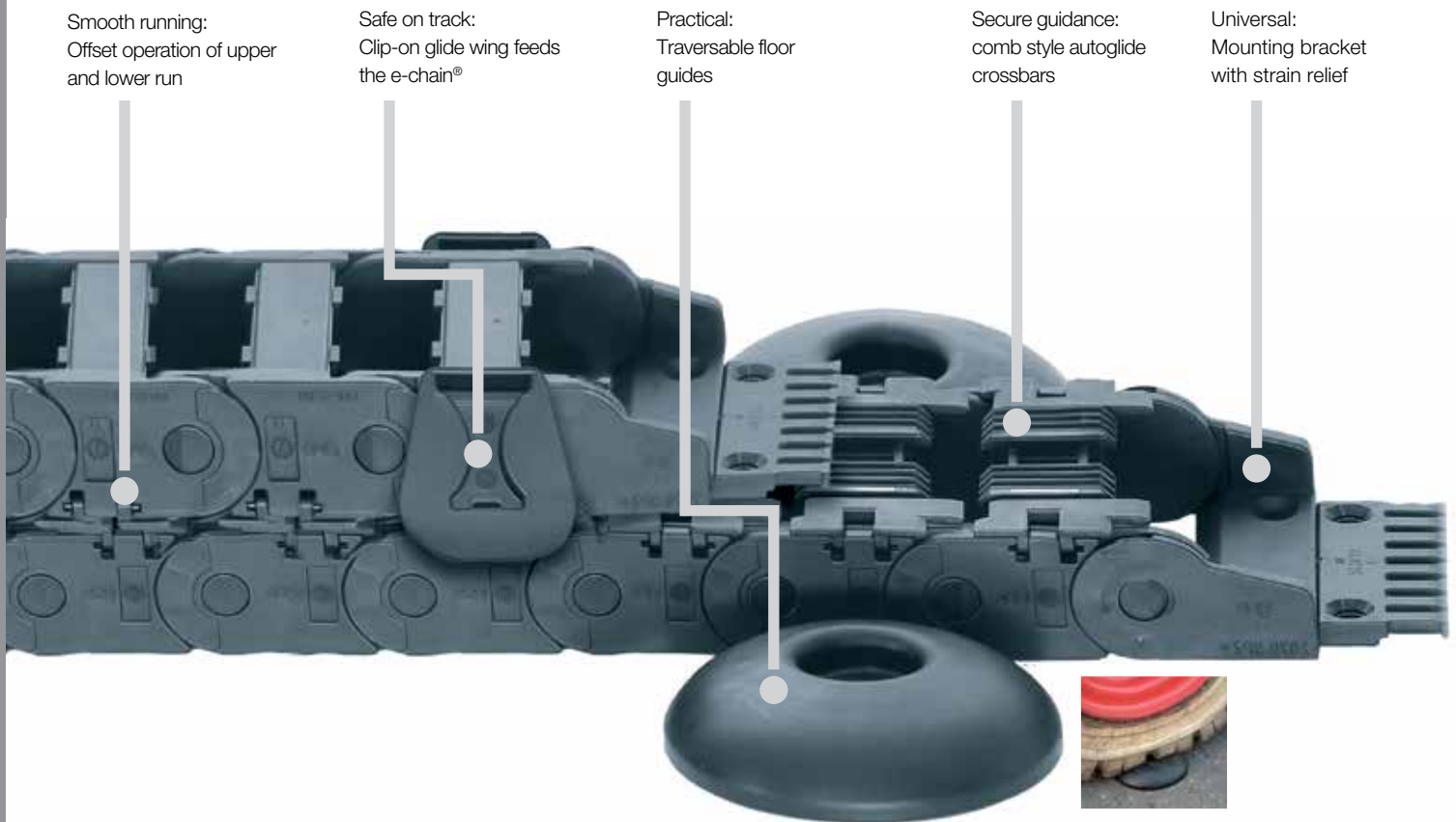
Optimized,
cable-friendly interior
separation program



Pivoting KMA mounting
brackets with attachment
points on all sides

PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains





Self-guiding e-chains® for System E2/000 autoglide Version 02

Interfering guide troughs for long travels can be dispensed with when using the autoglide system. Self-guiding e-chains® glide safely on top of each other for up to 230 ft. (70 m). The system has now been extended to the igus® E2/000 and further improved. The autoglide crossbars ensure even longer life. A plug-in glide wing ensures safe e-chain® threading over the first few feet (meters) of travel. The traversable eccentric floor guides are fastened to the subsurface every 6.56 ft. (2 m).

- Travels up to 230 ft. (70 m) without guide trough at speeds up to 6.56 ft/s (2.0 m/s)
- Very compact, no interfering trough in the travel or work area
- Fast installation times for long travels
- Snap-open in the inner radius
- Also for "half tube" fully enclosed in the outer radius
- Clip-on glide wings, safe threading in of the e-chain®
- Drive-over floor guide

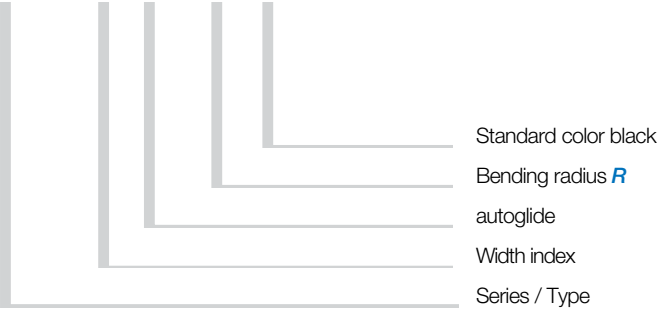
Typical industries and applications

- Greenhouses
- Storage and retrieval systems
- Conveyor systems
- Indoor cranes
- Handling
- And many other long travels

Special solutions for long travel
autoglide - Version 02 - Self-guiding e-chain systems®
Technical Data - Order Examples



Part number structure
2400-05AG-100-0



Order example | Part number structure



Order example for complete e-chain® Series E4-32AG 49.2 ft. (15 m), color black, with mounting brackets and interior separation:

e-chain® 49.2 ft. (15 m)	Please indicate e-chain® length or number of links: 49.2 ft. (15 m) or 347 links	2400-15AG-100-0
+ glide wing	2 glide wings are required per e-chain®	AG-2400-OF
+ Floor guides	8 pieces (2 pieces every 6.56 ft. (2 m) from the half of travel)	AG-380-BF

Order text: 49.2 ft. (15 m) 2400-05AG-100-0 + AG-2400-OF + AG-380-BF + Mounting bracket + Interior separation (optional)

Note: We require one glide wing per e-chain® to the left and right at the position where the upper run first meets the lower run.

Speed max. rolling	max. 6.56 ft/s (2 m/s)
Acceleration max. gliding	max. 3.28 ft/s² (1 m/s²)
Material - permitted temperature	igumid G / -40°F (-40°C) up to +248°F (+120° C)
Flammability Class, igumid G	VDE 0304 IIC UL94 HB

Technical Data



Details of material
properties

► Chapter 1



Series 2400AG - snap-open along the inner radius - crossbars with molded-on autoglide grooves

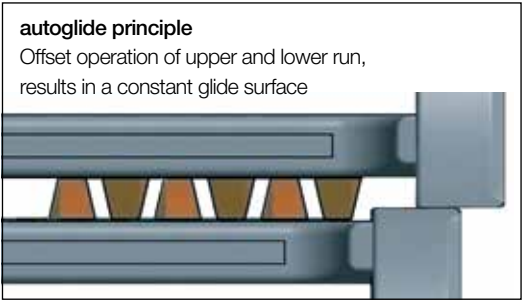
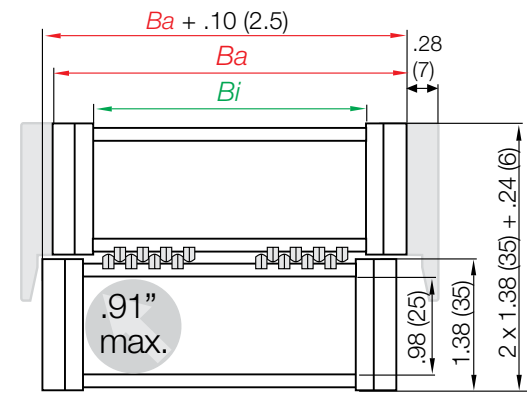
Supplement part number with required radius. Example: 2400-05AG-150-0
Pitch: 1.814 in. (46 mm) per link links/ft (m) = 6.63 (22)

Part Number				Weight	Glide Wing	Floor Guide		
Crossbars		<i>Bi</i>	<i>Ba</i>		Single part	Single part		
Every Link		in. (mm)	in. (mm)	lbs/ft (kg/m)				
2400-05AG- -0		2.24 (57)	2.87 (73)	≈0.67 (1.00)	AG-2400-OF	AG-380-BF		
2400-07AG- -0		3.03 (77)	3.66 (93)	≈0.74 (1.10)	AG-2400-OF	AG-380-BF		
Choose from the radii below for all of the above sizes								
<i>Radius</i> (mm) Example: 2400-05AG- 150-0								
	075	100	125	150	175	200	225	250
<i>R</i>	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.66 (220)	9.84 (250)
<i>H</i>	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
<i>D</i>	6.38 (162)	14.96 (380)	17.32 (440)	23.23 (590)	29.72 (755)	37.40 (950)	40.94 (1040)	44.49 (1130)
<i>K</i>	23.54 (598)	36.22 (920)	41.65 (1058)	56.14 (1426)	70.63 (1794)	86.93 (2208)	95.98 (2438)	105.04 (2668)

Special solutions for long travel
autoglide - Version 02 - Self-guiding e-chain systems®
2400AG - Installation Dimensions

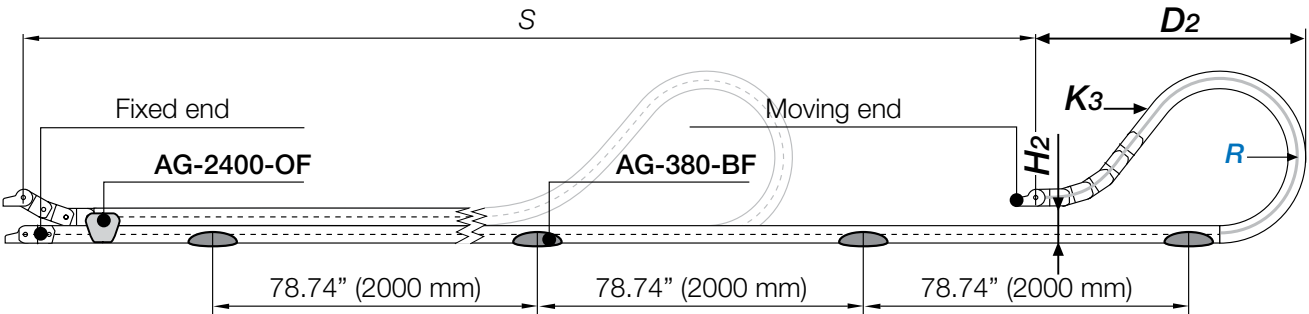


autoglide



Gliding applications

Long travel lengths up to 131 ft. (40 m), Fill weights up to 1.34 lbs/ft (2.0 kg/m)
In case of travels between 13 ft. (4 m) and 32.8 ft. (10m) we recommend an self-supporting e-chain®.
NOTE: Systems of this type should be designed by our system design engineers.
Please contact igus® for assistance with your application.



R	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.66 (220)	9.84 (250)
H _i	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
D _i	6.38 (162)	14.96 (380)	17.32 (440)	23.23 (590)	29.72 (755)	37.40 (950)	40.94 (1040)	44.49 (1130)
K _i	23.54 (598)	36.22 (920)	41.65 (1058)	56.14 (1426)	70.63 (1794)	86.93 (2208)	95.98 (2438)	105.04 (2668)

Legend

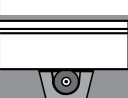
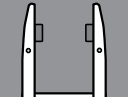
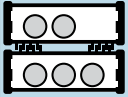
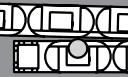
S = Length of travel
R = Bending radius
H_i = Trough inner height
H_i = "Mounting height
D_i = Overlength - long travels, gliding

Pitch per link = 1.81" (46 mm)
Links per ft (m) = 6.63 (22)
For center mount applications:
Chain length = S + K_i

Available Accessories



PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains



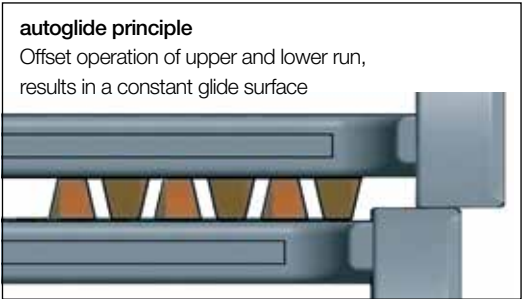
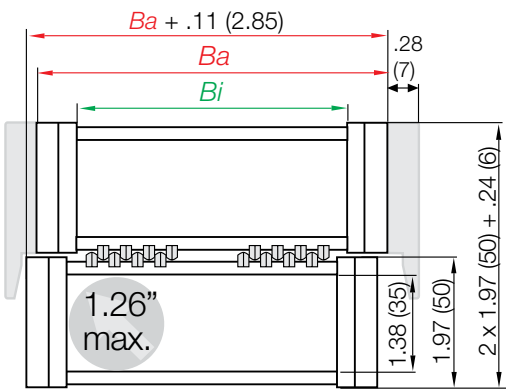


Series 2600AG - snap-open along the inner radius - crossbars with molded-on autoglide grooves

Supplement part number with required radius. Example: 2600-05AG-150-0
Pitch: 2.20 in. (56 mm) per link links/ft (m) = 5.45 (18)

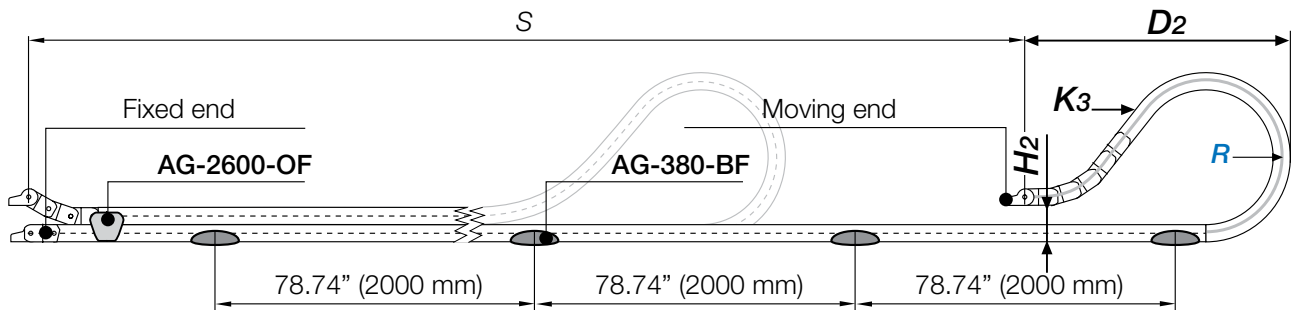
Part Number				Weight	Glide Wing	Floor Guide	
Crossbars		<i>Bi</i>	<i>Ba</i>		Single part	Single part	
Every Link		in. (mm)	in. (mm)	lbs/ft (kg/m)			
2600-05AG-	-0	1.97 (50)	2.60 (66)	≈ 0.85 (1.27)	AG-2600-OF	AG-380-BF	
2600-07AG-	-0	2.95 (75)	3.58 (91)	≈ 0.94 (1.40)	AG-2600-OF	AG-380-BF	
Choose from the radii below for all of the above sizes							
<i>Radius</i> (mm) Example: 2600-05AG- -0							
	075	100	125	150	175	200	250
<i>R</i>	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
<i>H</i>	5.91 (150)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
<i>D</i>	5.91 (150)	13.78 (350)	18.70 (475)	19.69 (500)	25.79 (655)	30.31 (770)	37.40 (950)
<i>K</i>	24.25 (616)	33.07 (840)	44.09 (1120)	48.50 (1232)	61.73 (1568)	72.76 (1848)	90.39 (2296)

Special solutions for long travel
autoglide - Version 02 - Self-guiding e-chain systems®
2600AG - Installation Dimensions



Gliding applications

Long travel lengths up to 197 ft. (60 m), Fill weights up to 1.68 lbs/ft (2.5 kg/m)
In case of travels between 16.4 ft. (5 m) and 32.8 ft. (10m) we recommend an self-supporting e-chain®.
NOTE: Systems of this type should be designed by our system design engineers.
Please contact igus® for assistance with your application.



R	2.95 (075)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H _i	5.91 (150)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
D ₂	5.91 (150)	13.78 (350)	18.70 (475)	19.69 (500)	25.79 (655)	30.31 (770)	37.40 (950)
K ₃	24.25 (616)	33.07 (840)	44.09 (1120)	48.50 (1232)	61.73 (1568)	72.76 (1848)	90.39 (2296)

Pitch per link: = 2.20" (56 mm)
Links per ft (m): = 5.49 (18)
For center mount applications:
Chain length = S + K₃

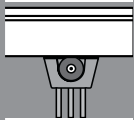
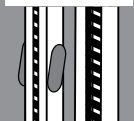
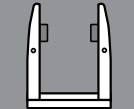
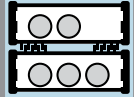
Legend

S = Length of travel
R = Bending radius
H_i = Trough inner height
H₂ = Mounting height
D₂ = Overlength - long
travels, gliding

Available Accessories



PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains





Series 3400AG - snap-open along the inner radius - crossbars with molded-on autoglide grooves

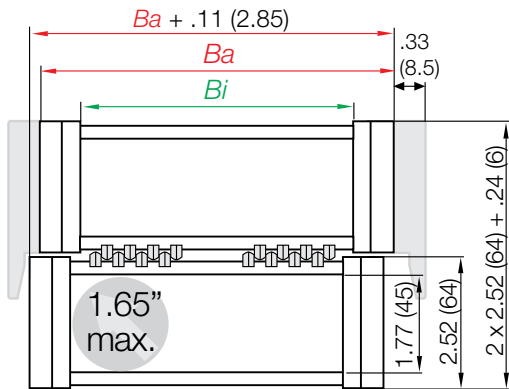
Supplement part number with required radius. Example: 3400-100AG-150-0
Pitch: 2.64 in. (67 mm) per link links/ft (m) = 4.55 (15)

Part Number			Weight	Glide Wing	Floor Guide	
Crossbars		<i>Bi</i>	<i>Ba</i>	Single part	Single part	
Every Link		in. (mm)	in. (mm)	lbs/ft (kg/m)		
3400-05AG- -0		2.95 (75)	3.74 (95)	≈1.27 (1.89)	AG-3400-OF AG-380-BF	
3400-07AG- -0		3.94 (100)	4.72 (120)	≈1.37 (2.04)	AG-3400-OF AG-380-BF	
Choose from the radii below for all of the above sizes						
<i>Radius</i> (mm) Example: 3400-05AG- -0						
	100	125	150	200	250	300
<i>R</i>	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
<i>H</i>	7.87 (200)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
<i>D</i>	9.17 (233)	18.70 (475)	22.44 (570)	30.71 (780)	39.76 (1010)	45.28 (1150)
<i>K</i>	34.29 (871)	44.84 (1139)	55.39 (1407)	73.86 (1876)	94.96 (2412)	108.15 (2747)

Special solutions for long travel autoglide - Version 02 - Self-guiding e-chain systems® 3400AG - Installation Dimensions

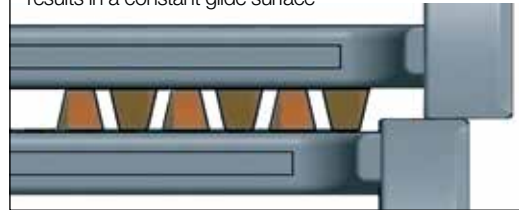


autoglide



autoglide principle

Offset operation of upper and lower run,
results in a constant glide surface



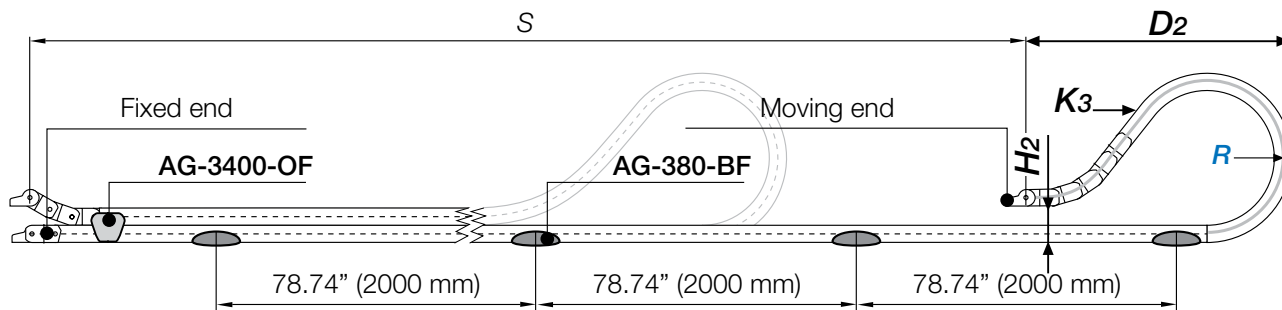
Gliding applications

Long travel lengths up to 230 ft. (70 m), Fill weights up to 3.36 to 5.38 lbs/ft (5.0 to 8.0 kg/m)

In case of travels between 19.7 ft. (6 m) and 32.8 ft. (10m) we recommend an self-supporting e-chain®.

NOTE: Systems of this type should be designed by our system design engineers.

Please contact igus® for assistance with your application.



R	3.94 (100)	4.92 (125)	5.91 (150)	7.87 (200)	9.84 (250)	11.81 (300)
H _i	7.87 (200)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)	7.32 (186)
D ₂	9.17 (233)	18.70 (475)	22.44 (570)	30.71 (780)	39.76 (1010)	45.28 (1150)
K ₃	34.29 (871)	44.84 (1139)	55.39 (1407)	73.86 (1876)	94.96 (2412)	108.15 (2747)

Legend

S = Length of travel
R = Bending radius
H_i = Trough inner height
H₂ = Mounting height
D₂ = Overlength - long travels, gliding

Pitch per link = 2.64" (67 mm)

Links per ft (m) = 4.55 (15)

For center mount applications:

Chain length = S + K₃

Available Accessories

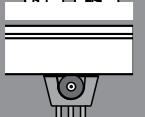
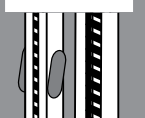
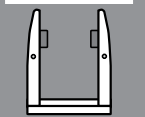
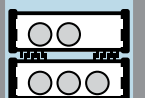


Optimized,
cable-friendly interior
separation program

Pivoting mounting brackets
for gliding applications

Pivoting KMA mounting
brackets with attachment
points on all sides

PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains



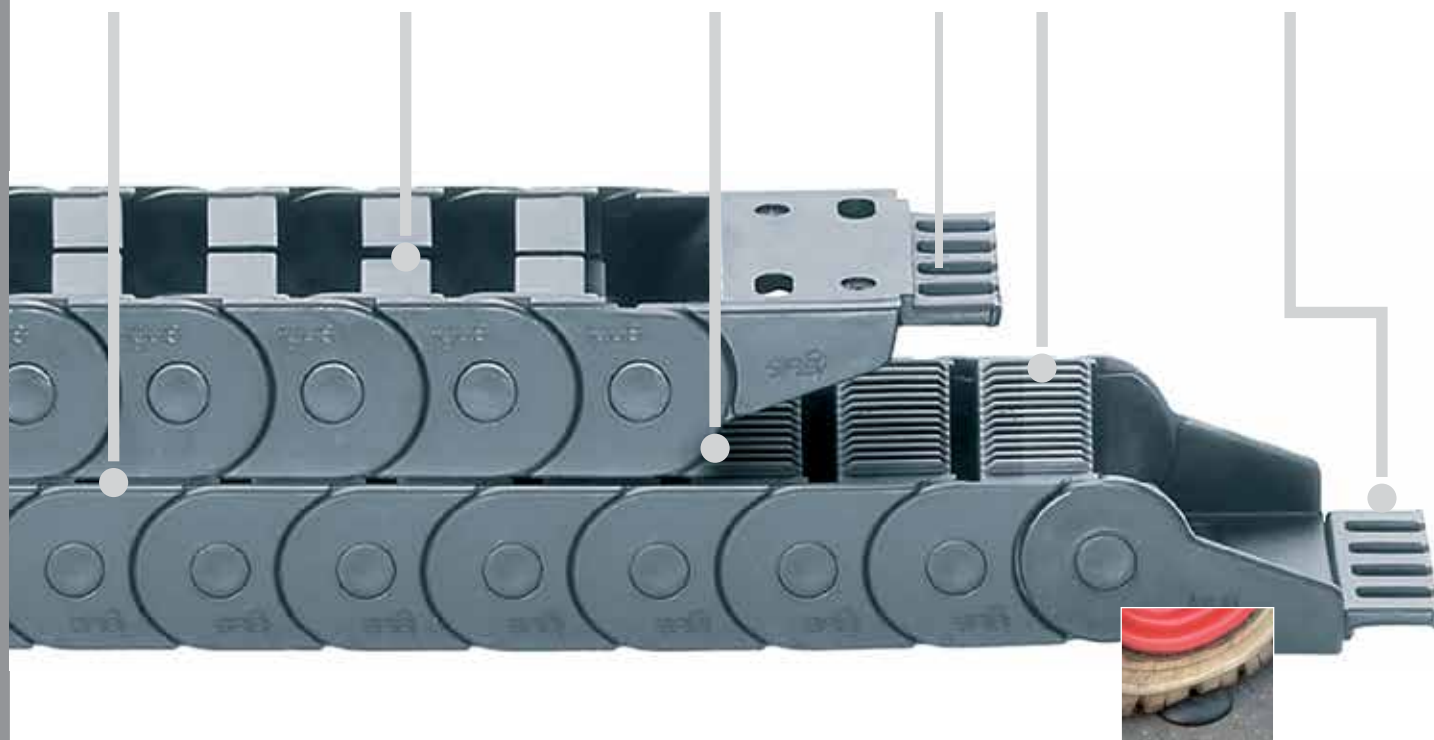
Smooth running:
Offset operation of upper
and lower run

Fast assembly:
"easy" design - simply
press cables in

Cost-effective:
Low price due to the
one-piece design

Secure guidance:
comb style
AUTOGLIDE crossbars

Universal:
Mounting bracket
with strain relief



E-Z Chain along the outer radius, injection molded autoglide crossbars along the inner radius - Version 03

Version 03 is the quickly filled and cost-effective E-Z-Chain® with injection-molded autoglide crossbars in the inner radius. The crossbars are molded directly on the e-chain® link and are available in two sizes. The reduced installation time is one of the main features of the e-chains®. The elastic and rugged material igumid NB offers yet more reasons for application: Optimum elasticity, UL94-V2 classification and excellent suitability for cleanrooms. Their one-piece design makes E-Z Chain® attractive especially with regard to price.

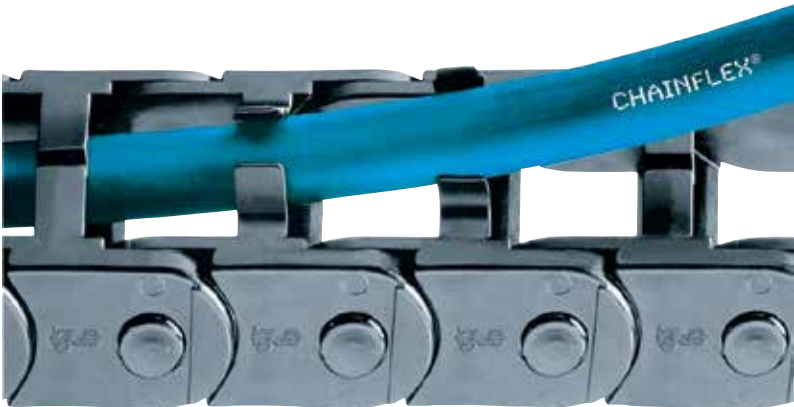
- Doubly cost-effective. Elimination of guide troughs and economical, one-piece e-chain®
- Very quick assembly time - "easy"-design even on long travels
- "Easy"-design: Easy to fill - cables and hoses can be inserted without opening
- Single part design
- Small installation width, quiet operation
- UL94-V2 classifications

Typical industries and applications

- Industrial vehicles
- Long travels with easier filling
- Simple outdoor applications



Part number structure
EA25-050-100-0-



Simply push in the cables in the e-chain with your thumb - and it's ready!
To remove simply pull out the cables from the e-chain®

Speed max. rolling	max. 3.28 ft/s (1 m/s)
Acceleration max. gliding	max. 3.28 ft/s² (1 m/s²)
Material - permitted temperature	igumid NB / -40°F (-40°C) up to +176°F (+80° C)
Flammability Class, igumid NB	VDE 0304 IIC UL94 HB

Technical Data







Details of material properties
► Chapter 1



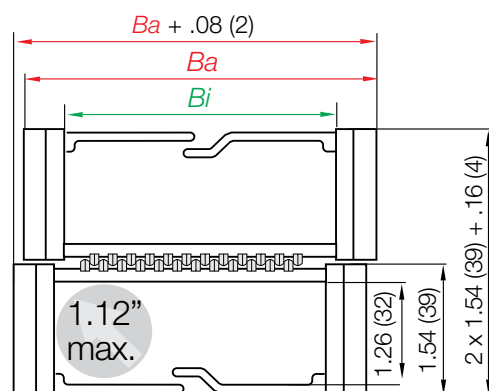
Series EA16 - Simply press cables in (outer radius) - autoglide crossbars (inner radius)

Supplement part number with required radius. Example: EA16-4-**065**-0

Pitch: 1.20 in. (30.5 mm) per link links/ft (m) = 10.06 (33)

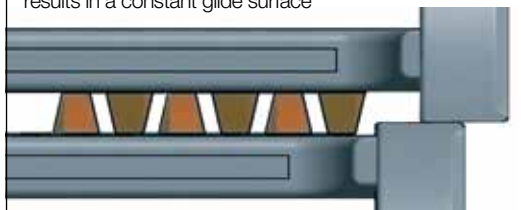
Part Number		<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)
EA16-4-	-0	1.89 (48)	2.36 (60)
Choose from the radii below for the above size			
	<i>Radius</i> (mm)	Example: EA16-4- 065 -0	

	065	075	100
<i>R</i>	2.56 (065)	1.89 (075)	3.94 (100)
<i>H</i>	3.94 (100)	3.94 (100)	3.94 (100)
<i>D</i>	12.80 (325)	13.98 (355)	22.44 (570)
<i>K</i>	27.64 (702)	30.04 (763)	49.25 (1251)



autoglide principle

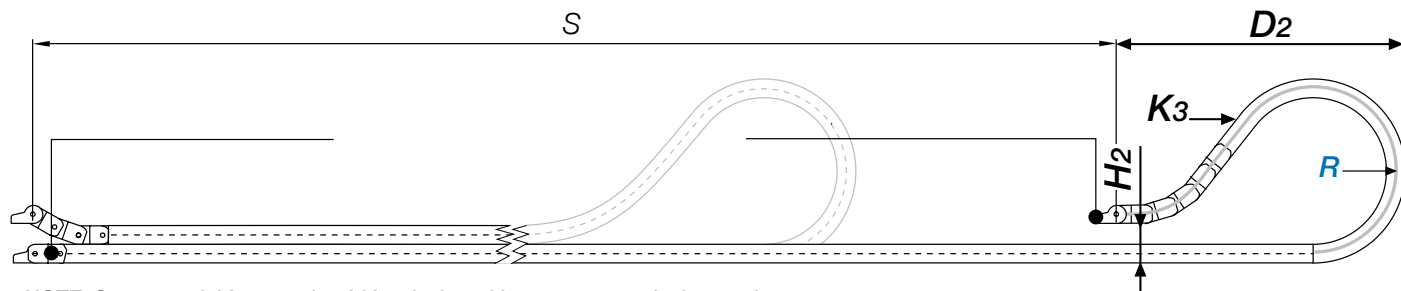
Offset operation of upper and lower run,
results in a constant glide surface



Pitch = 1.20 (30.5 mm)
Links per ft (m) = 10.06 (33)
Chain length = $S + K_3$

Gliding applications

Long travel lengths up to 65.6 ft. (20 m), Fill weights up to 0.27 lbs/ft (0.4 kg/m)



NOTE: Systems of this type should be designed by our system design engineers.
Please contact igus® for assistance with your application.

<i>R</i>	2.56 (065)	1.89 (075)	3.94 (100)
<i>H</i>	3.94 (100)	3.94 (100)	3.94 (100)
<i>D</i>	12.80 (325)	13.98 (355)	22.44 (570)
<i>K</i>	27.64 (702)	30.04 (763)	49.25 (1251)

Special solutions for long travel autoglide - Version 03 - Self-guiding e-chain systems® EA25



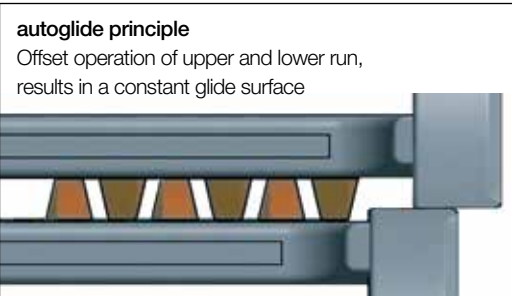
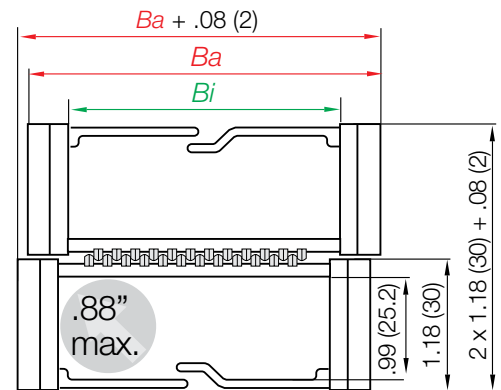
autoglide



Series EA25 - Simply press cables in (outer radius) - autoglide crossbars (inner radius)

Supplement part number with required radius. Example: EA25-050-100-0
Pitch: .98 in. (25 mm) per link links/ft (m) = 12.24 (40)

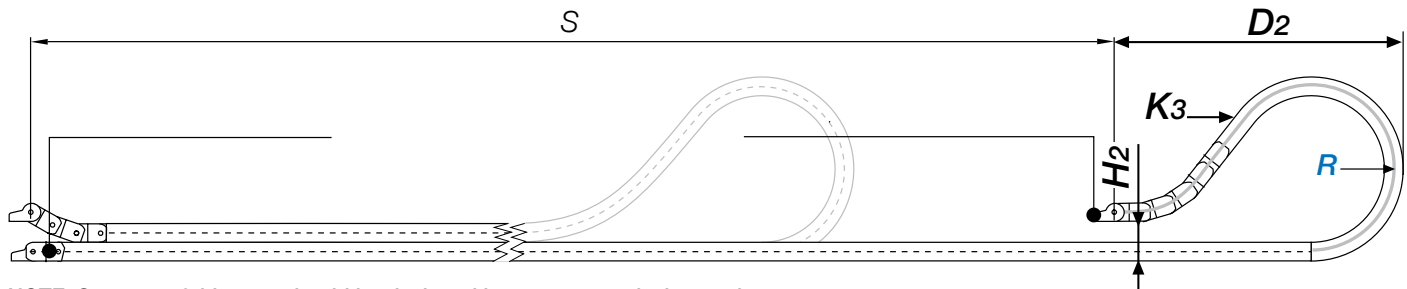
Part Number		<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)
EA25-050-	 -0	1.97 (50)	2.36 (60)
Choose from the radii below for the above size			
	<i>Radius</i> (mm)	Example: EA25-050- 100 -0	
	075	100	
<i>R</i>	1.89 (075)	3.94 (100)	
<i>H</i>	3.94 (100)	3.94 (100)	
<i>D</i>	13.00 (330)	13.00 (330)	
<i>K</i>	29.53 (750)	44.29 (1125)	



Pitch = .98 (25 mm)
Links per ft (m) = 12.24 (40)
Chain length = $S + K_s$

Gliding applications

Long travel lengths up to 65.6 ft. (20 m), Fill weights up to 0.27 lbs/ft (0.4 kg/m)



NOTE: Systems of this type should be designed by our system design engineers.
Please contact igus® for assistance with your application.

<i>R</i>	1.89 (075)	3.94 (100)
<i>H</i>	3.94 (100)	3.94 (100)
<i>D</i>	13.00 (330)	13.00 (330)
<i>K</i>	29.53 (750)	44.29 (1125)

Easy to install:
snap-open along the outer
radius

Practical:
traversable floor
guides

Safe on track:
assembled glide wing
feeds the e-chain®

Universal:
Mounting bracket
with strain relief



Special glide shoes provide safe guiding of the E2/000 - autoglide - Version 04

In this version, special plastic glide shoes are side-mounted on the e-chain® link every 39.4 to 78.7 inches (1,000 to 2,000 mm). The function of these gliding shoes resembles the leeboard used on sailboats. Some of these glide shoes are conceived in such a way that in contact they pivot upwards and enable the continuation of the travel. Similarly the glide shoes in autoglide go up and down, each according to its position as lower run or upper run of the e-chain®. They provide the precise lateral guidance and a smooth glide of the e-chain®. The glide shoes are assembled every 24th e-chain® link from the moving end. Up to 32.8 ft. (10 m) length without floor guides possible in the series 2400/2450/2480/2500.

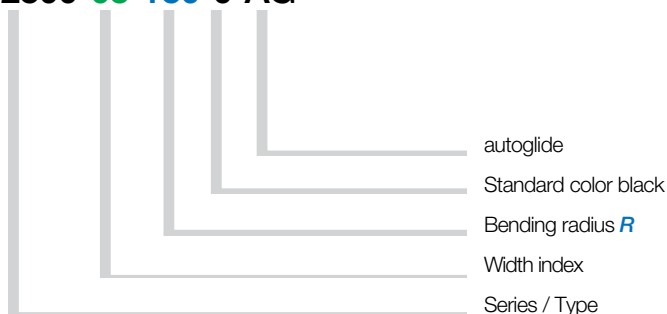
Typical industries and applications

- Industrial vehicles
- Long travels with easier filling
- Simple outdoor applications



Part number structure

2500-05-150-0-AG



Order example | Part number structure



Order example for complete e-chain® Series 2500, color black, with mounting brackets and interior separation:

e-chain® 32.8 ft. (10 m)	Please indicate e-chain® length or number of links: 32.8 ft. (10 m) or 249 links (Number of links in the assembly must be deducted)	2500-05-1500-0
e-chain® + glide wing	Assembly consists of 4 e-chain® links and 2 glide wings	2500-05-1500-AG
+ Floor guides	8 pieces (2 pieces every 6.56 ft. (2 m) from the half of travel)	AG-380-BF

Order text: 249 links 2500-05-150-0 + 10 units 2500-05-150-AG + Mounting bracket + Interior separation (optional)

Note: Lateral glide wings are assembled on every 24th e-chain® link.

Speed max. rolling	max. 1.64 ft/s (0.5 m/s)
Acceleration max. gliding	max. 3.28 ft/s ² (1 m/s ²)
Material - permitted temperature	igumid G / -40°F (-40°C) up to +248°F (+120° C)
Flammability Class, igumid G	VDE 0304 IIC UL94 HB

Technical Data



Details of material properties

➤ Chapter 1



Series 2400 shown

Series 2400 - snap-open along the inner radius

Series 2450 - snap-open along the outer radius - standard

Series 2480 - snap-open along the inner radius, enclosed along the outer radius

Series 2500 - snap-open along the inner radius, fully enclosed

Supplement part number with required radius. Example: 2500-05- 150 -0-AG

Pitch: 1.81 in. (46 mm) per link links/ft (m) = 6.63 (22)

Part Number e-chain® / E-Tube			<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	Floor Guide Single part				
2400/2450/2480/2500-05- -0-AG			2.24 (57)	2.87 (73)	AG-380-BF				
2400/2450/2480/2500-07- -0-AG			3.03 (77)	3.66 (93)	AG-380-BF				
2400/2450/2480/2500-09- -0-AG			3.50 (89)	4.13 (105)	AG-380-BF				
2400/2450/2480/2500-10- -0-AG			4.06 (103)	4.69 (119)	AG-380-BF				
2400/2450/2480/2500-12- -0-AG			4.92 (125)	5.55 (141)	AG-380-BF				
Choose from the radii below for all of the above sizes <i>Radius (mm)</i> Example: 2500-05- 150 -0-AG									
	055*	075	100	125	150	175	200	225	250
<i>R</i>	2.17 (55)	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
<i>H</i>	4.33 (110)	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
<i>D</i> ⁺²⁵	5.59 (142)	6.38 (162)	14.96 (380)	17.32 (440)	23.23 (590)	29.72 (755)	37.40 (950)	40.94 (1040)	44.49 (1130)
<i>K</i>	19.92 (506)	23.54 (598)	36.22 (920)	41.65 (1058)	56.14 (1426)	70.63 (1794)	86.93 (2208)	95.98 (2438)	105.04 (2668)

*This radius for Series 2450/2480 available upon request. Please consult igus® for delivery times.

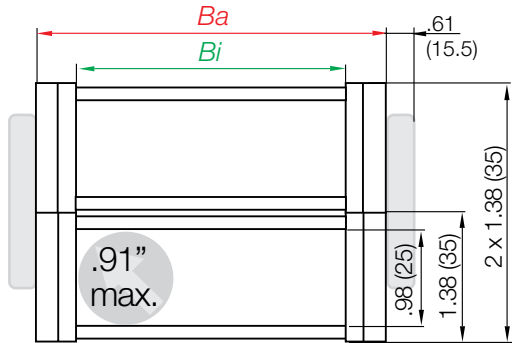
Special solutions for long travel

autoglide - Version 04 - Self-guiding e-chain systems®

2400/2450/2480/2500 - Installation Dimensions



autoglide



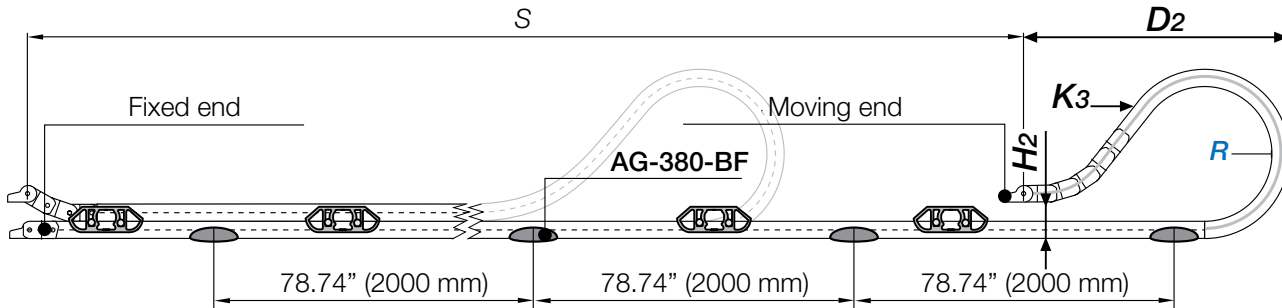
Legend

- S = Length of travel
- R = Bending radius
- H_{in} = Trough inner height
- H_m = *Mounting height
- D = Overlength - long travels, gliding

Gliding applications

Long travel lengths up to 65.6 ft. (20 m), Fill weights up to 1.08 lbs/ft (1.6 kg/m)
In case of travels less than 9.84 ft. (3 m) we recommend an self-supporting e-chain®.
Note: Lateral glide wings are assembled on every 24th e-chain® link.

Pitch per link: = 1.81" (46 mm)
Links per ft (m): = 6.63 (22)
For center mount applications:
Chain length = $S + K_3$



R	2.17 (55)	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	8.86 (225)	9.84 (250)
H _{in}	4.33 (110)	5.91 (150)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)	3.94 (100)
D ₂ *25	5.59 (142)	6.38 (162)	14.96 (380)	17.32 (440)	23.23 (590)	29.72 (755)	37.40 (950)	40.94 (1040)	44.49 (1130)
K ₃	19.92 (506)	23.54 (598)	36.22 (920)	41.65 (1058)	56.14 (1426)	70.63 (1794)	86.93 (2208)	95.98 (2438)	105.04 (2668)

*This radius for Series 2450/2480 available upon request. Please consult igus® for delivery times.

Available Accessories



Optimized,
cable-friendly interior
separation program

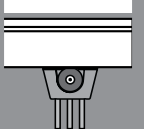
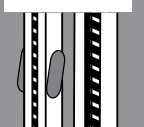
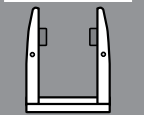
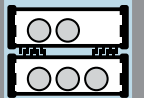


Pivoting mounting brackets
for gliding applications



Pivoting KMA mounting
brackets with attachment
points on all sides

PDF: igus.com/e-chain-pdfs
Product information: igus.com/e-chains





Series 2600 shown

- Series 2600 - snap-open along the inner radius
- Series 2650 - snap-open along the outer radius - standard
- Series 2680 - snap-open along the inner radius, enclosed along the outer radius
- Series 2700 - snap-open along the inner radius, fully enclosed

Supplement part number with required radius. Example: 2600-05- 150 -0-AG
Pitch: 2.20 in. (56 mm) per link links/ft (m) = 5.45 (18)

Part Number e-chain® / E-Tube		<i>Bi</i> in. (mm)	<i>Ba</i> in. (mm)	Floor Guide Single part					
2600/2650/2680/2700-05-	-0-AG	1.97 (50)	2.60 (66)	AG-380-BF					
2600/2650/2680/2700-06-	-0-AG	2.56 (65)	3.19 (81)	AG-380-BF					
2600/2650/2680/2700-07-	-0-AG	2.95 (75)	3.58 (91)	AG-380-BF					
2600/2650/2680/2700-09-	-0-AG	3.54 (90)	4.17 (106)	AG-380-BF					
2600/2650/2680/2700-10-	-0-AG	3.94 (100)	4.57 (116)	AG-380-BF					
2600/2650/2680/2700-12-	-0-AG	4.92 (125)	5.55 (141)	AG-380-BF					
2600/2650/2680/2700-15-	-0-AG	5.91 (150)	6.54 (166)	AG-380-BF					
2600/2650/2680/2700-17-	-0-AG	6.89 (175)	7.64 (194)	AG-380-BF					
Choose from the radii below for all of the above sizes <i>Radius</i> (mm) Example: 2600-05- 150 -0-AG									
	075*	100	125	150	175	200	250		
<i>R</i>	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)		
<i>H</i>	5.91 (150)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)		
<i>D</i> ⁺²⁵	5.91 (150)	13.78 (350)	18.70 (475)	19.69 (500)	25.79 (655)	30.31 (770)	37.40 (950)		
<i>K</i>	24.33 (616)	33.07 (840)	44.09 (1120)	48.50 (1232)	61.73 (1568)	72.76 (1848)	90.39 (2296)		

*This radius for Series 2650/2680 available upon request. Please consult igus® for delivery times.

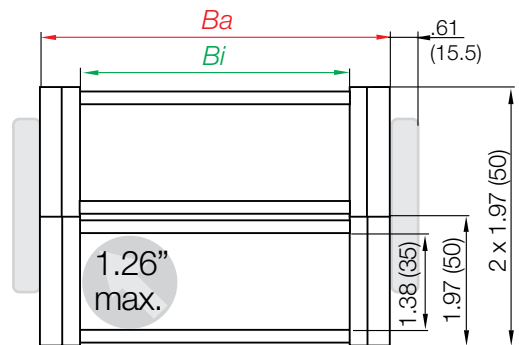
Special solutions for long travel

autoglide - Version 04 - Self-guiding e-chain systems®

2600/2650/2680/2700 - Installation Dimensions



autoglide



Legend

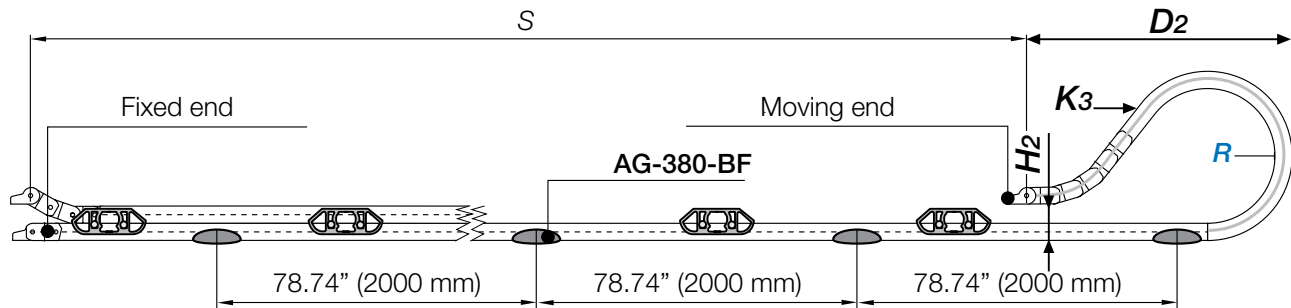
- S = Length of travel
- R = Bending radius
- H_{in} = Trough inner height
- H = *Mounting height
- D = Overlength - long travels, gliding



Gliding applications

Long travel lengths up to 98.4 ft. (30 m), Fill weights up to 1.34 lbs/ft (2.0 kg/m)
In case of travels less than 9.84 ft. (3 m) we recommend an self-supporting e-chain®.
Note: Lateral glide wings are assembled on every 24th e-chain® link.

Pitch per link = 2.20" (56 mm)
Links per ft (m) = 5.45 (18)
For center mount applications:
Chain length = S + K₃



R	2.95 (75)	3.94 (100)	4.92 (125)	5.91 (150)	6.89 (175)	7.87 (200)	9.84 (250)
H	5.91 (150)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)	6.54 (166)
D ^{*25}	5.91 (150)	13.78 (350)	18.70 (475)	19.69 (500)	25.79 (655)	30.31 (770)	37.40 (950)
K	24.33 (616)	33.07 (840)	44.09 (1120)	48.50 (1232)	61.73 (1568)	72.76 (1848)	90.39 (2296)

*This radius for Series 2650/2680 available upon request. Please consult igus® for delivery times.

Available Accessories



Optimized,
cable-friendly interior
separation program



Pivoting mounting brackets
for gliding applications



Pivoting KMA mounting
brackets with attachment
points on all sides

