



easy triflex[®]

For simple multi-axis applications,
easy filling from both sides



easy triflex[®] advantages:

- Easy filling with "easy" design
- Easy filling from both sides
- Easy to replace or combine with existing triflex[®] systems
- If square space is required



When to use another 3D e-chain[®] series:

- For complex robot applications
 - ▶ **triflex[®] R - TRE**, page 970
- For circular movements with high loads
 - ▶ **twisterchain system**, page 1086



KMA mounting brackets:
counting bracket with integrated strain relief

Modular:
easy lengthening and
shortening at any point

Robust:
"push-button" joint

Simple:
easy filling from both sides
with "easy" design

Fast:
simply press cable in along
the inner or outer radius

Customisable:
different bend radii and
types can be combined

Flexible:
multi-axis movement for
all kinds of machinery



is, easy asy triflex®

ply for multi-axis movements. In doing so
ied bend radius of an e-chain®. With easy
e crossbars the cables are simply pushed
vs very complex movements. For example

ndling ● Plastics industry ● Construction
ing ● Medical equipment ● Office furniture



Series	Inner height		Inner width	Outer width	Bend radius	Pitch	Page
	B1 / B11	(mm)					
	B11	(mm)	B13	Ba	R	(mm)	



Single-axis movement - "easy" design
easy filling from both sides

E332.25	13	25	34	048 - 200	14.5	1066
E332.32	17	32	50	075 - 250	25	1066
E332.50	26	50	68	100 - 250	30	1066
E332.75	38.5	75	96	140 - 300	36	1066



Double-axis movement - "easy" design
with RBR (Reverse Bend Radius)
easy filling from both sides

E332.25	13	25	34	048 - 200	14.5	1067
E332.32	17	32	50	075 - 250	25	1067
E332.50	26	50	68	100 - 250	30	1067
E332.75	38.5	75	96	140 - 300	36	1067



Triple-axis movement - "easy" design
with RBR (Reverse Bend Radius)
easy filling from both sides

E333.25	13	25	34	048 - 200	14.5	1068
E333.32	17	32	50	075 - 250	25	1068
E333.50	26	50	68	100 - 250	30	1068
E333.75	38.5	75	96	140 - 300	36	1068



Available from stock. Ready to ship in 24 - 48hrs.*

*Average time before the ordered goods are dispatched.



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upon request

-40°C / +120°C

VDE 0304 IIC UL94-V2

links: 1.0m or 28 links E333.75.200/200.0

333.75.12PZ



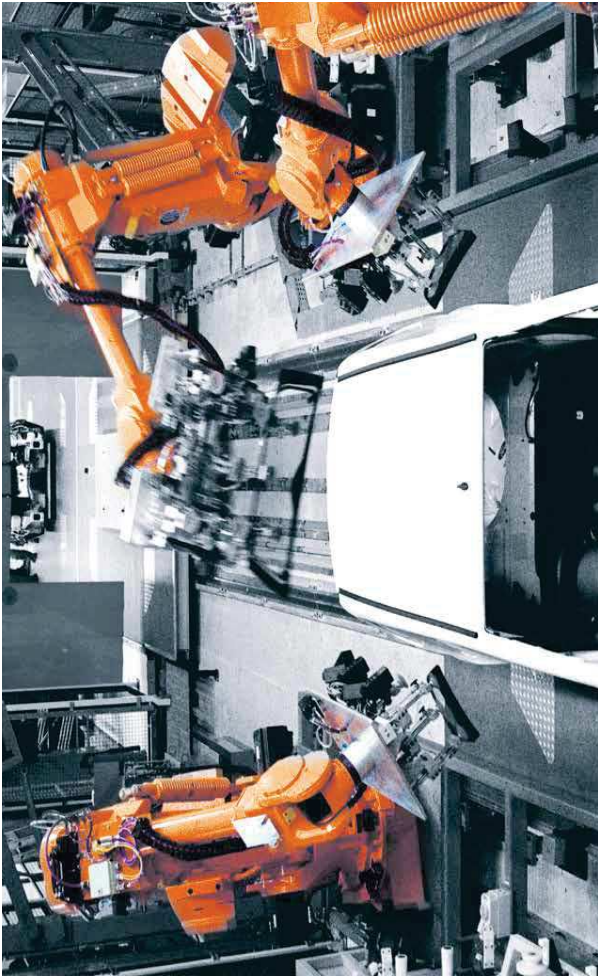
Order key
Triple-axis movement

ident

200.0 E333.75.200/200.0



easy triflex® | Application examples



Robots with igus® easy triflex® e-chains® on an assembly line



igus® easy triflex® and E2 medium e-chain® in a production line



easy triflex® e-chains® can also be used for simple applications needing an aesthetic solution

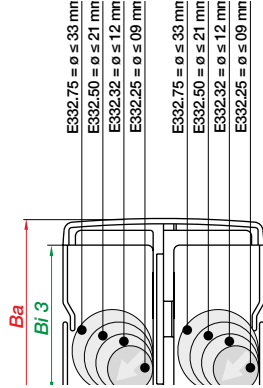


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movement

iii	Pitch				E332
	[mm]				[kg/m]
25	150	175	200		≈ 0.70
50	200	250			≈ 0.90
30	250				≈ 1.40
50	300				≈ 2.35



2.25.2.	E332.32.2.			
m	34	Ba	[mm]	50
T	[mm/link]	14.5	Pitch T	[mm/link]
E	[mm]	10	Dim. E	[mm]
m	69	Links/m		40
ponds to [mm]	1,000.5	corresponds to [mm]		1,000
in® length	$L_K = s_L + K$	e-chain® length	$L_K = s_L + K$	

2.50.2.	E332.75.2.			
m	68	Ba	[mm]	96
T	[mm/link]	30	Pitch T	[mm/link]
E	[mm]	25	Dim. E	[mm]
m	34	Links/m		28
ponds to [mm]	1,020	corresponds to [mm]		1,008
in® length	$L_K = s_L + K$	e-chain® length	$L_K = s_L + K$	

/E333



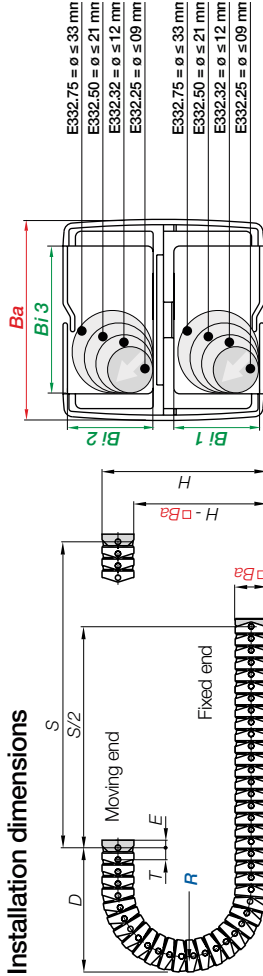
e-chains® | Series E332 "easy" design | Double-axis movement with RBR*

Part No.	Available bend radii				Pitch	E332
e-chains®	Bi 1/Bi 2	Bi 3	Ba	R	[mm]	[kg/m]
E332.25.2	.R/R.0	13	25	34	048 075 100 125 150 175 200	≈ 0.70
E332.32.2	.R/R.0	17	32	50	075 100 125 150 200 250	≈ 0.90
E332.50.2	.R/R.0	26	50	68	100 125 150 200 250	≈ 1.40
E332.75.2	.R/R.0	38.5	75	96	140 175 200 250 300	≈ 2.35

*RBR = Reverse Bend Radius

Complete Part No. with required radius (R). Example: E332.75.2.200/200.0

Installation dimensions



E332.25.2	R	048	075	100	125	150	175	200
H	130	185	235	285	335	385	435	
D	095	125	150	175	200	225	250	
K	195	280	360	440	515	595	675	
R	075	100	125	150	200	250		
H	200	250	300	350	450	550		
D	130	155	180	205	255	305		
K	305	385	465	545	700	865		

E332.25.2.	E332.32.2.			
Ba	[mm]	34	Ba	[mm]
Pitch T	[mm/link]	14.5	Pitch T	[mm/link]
Dim. E	[mm]	10	Dim. E	[mm]
Links/m	69	Links/m	40	
ponds to [mm]	1,000.5	corresponds to [mm]	1,000	
in® length	$L_K = s_L + K$	e-chain® length	$L_K = s_L + K$	

E332.50.2	R	100	125	150	200	250
H	270	320	375	470	570	
D	195	220	245	295	345	
K	435	520	590	750	910	
R	140	175	200	250	300	
H	380	450	500	600	700	
D	240	275	300	350	400	
K	550	660	740	900	1,060	

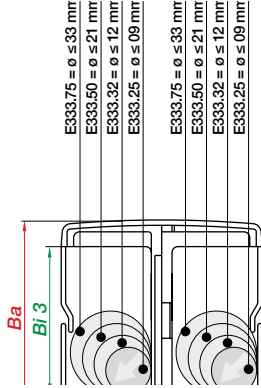
E332.50.2.	E332.75.2.			
Ba	[mm]	68	Ba	[mm]
Pitch T	[mm/link]	30	Pitch T	[mm/link]
Dim. E	[mm]	25	Dim. E	[mm]
Links/m	34	Links/m	28	
ponds to [mm]	1,020	corresponds to [mm]	1,008	
in® length	$L_K = s_L + K$	e-chain® length	$L_K = s_L + K$	

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movement with RBR*

iii	Pitch	E332
	[mm]	[kg/m]
25 150 175 200	14,5	≈ 0.70
50 200 250	25	≈ 0.90
30 250	30	≈ 1.40
50 300	36	≈ 2.35



3.25	E333.32
m	Ba [mm]
50	Pitch T [mm/link]
25	Dim. E [mm]
20	Links/m
40	ponds to [mm]
1,000.5	corresponds to [mm]
1,000	chain® length $L_K = s_L + K$

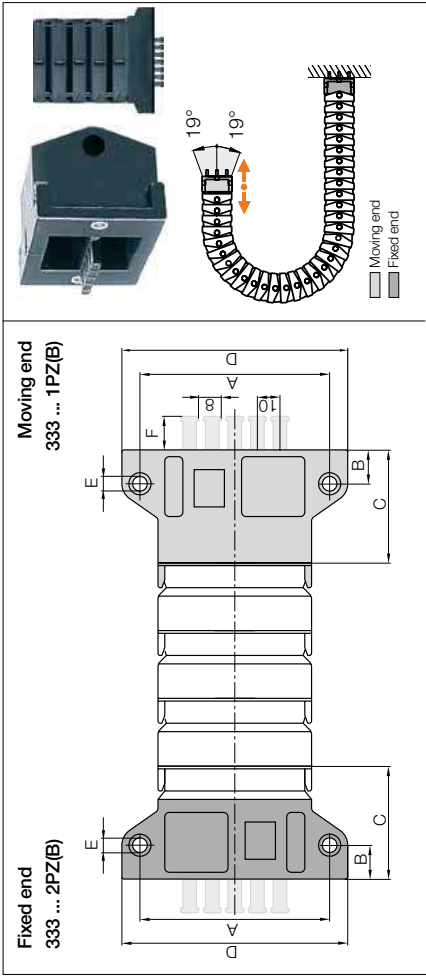
3.50	E333.75
m	Ba [mm]
96	Pitch T [mm/link]
36	Dim. E [mm]
25	Links/m
28	ponds to [mm]
1,020	corresponds to [mm]
1,008	chain® length $L_K = s_L + K$

J/E333



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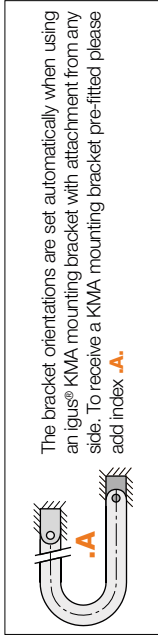
1069



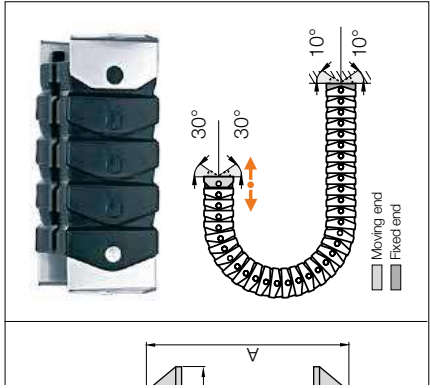
KMA mounting brackets | One end pivoting

Width index	Part No. full set with tiwrap plates	Part No. full set without tiwrap plates	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Number of teeth
25.2 / 25.▲	—	333.25.12PZ	43	7	22	52	4.5	—	—
32.2 / 32.▲	333.32.12PZB	333.32.12PZ	66	15	46	82	6.5	15	3
50.2 / 50.▲	333.50.12PZB	333.50.12PZ	84	15	50	100	6.5	15	5
75.2 / 75.▲	333.75.12PZB	333.75.12PZ	109	15	55	125	6.5	15	7

Note series E333: the mounting brackets are only available for e-chains® with even number of chain links!



Strain relief e.g. clamps, tiwrap plates, nuggets and clips are available from stock. The complete chainfix range with ordering options ► From page 1392

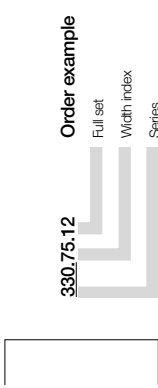


**HENNlich -
ŽIJEME TECHNIKOU**

o.z. LIN-TECH HENNlich s.r.o.
Českolipská 9, 412 01 Litoměřice

E	F	G	H
[mm]	[mm]	[mm]	[mm]
0.5	4.5	6.5	1.5
20	7	9	2
25	7	9	2
25	7	9	2

1) Link



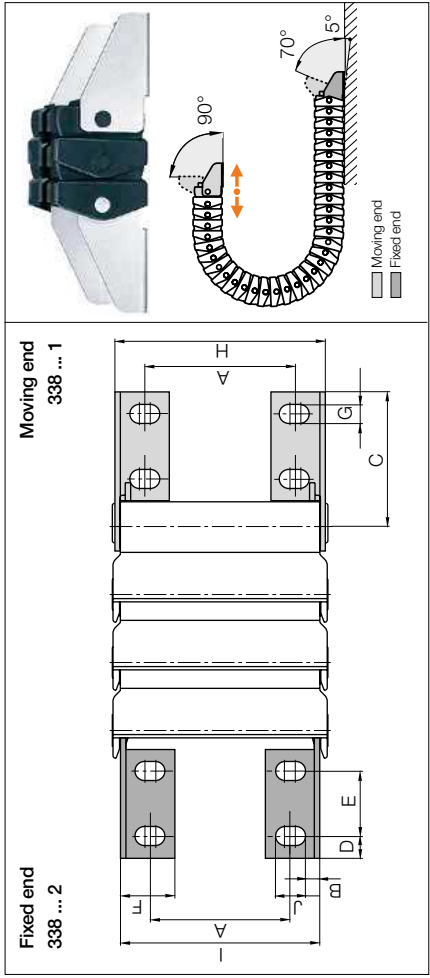
s are available from stock. The complete
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/E333



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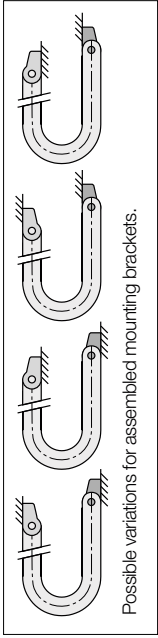
1071



Mounting brackets, angled, steel | Pivoting

Width index	Part No. full set	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	J [mm]
25.2 / 25. ►	338.25.12	17	6.25	33	6	16	14	5.5	33.8	31	8.5
32.2 / 32. ►	338.32.12	24	5.5	47	8	24	20	7	49	45	11
50.2 / 50. ►	338.50.12	42	5.5	77	12	35	24	9	67	62	15
75.2 / 75. ►	338.75.12	65	5.5	77	12	35	24	9	95	90	15

Note series E333: the mounting brackets are only available for e-chains® with **even number** of chain links!



Strain relief e.g. clamps, tie-wrap plates, nuggets and clips are available from stock. The complete
chainfix range with ordering options ► From page 1392

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