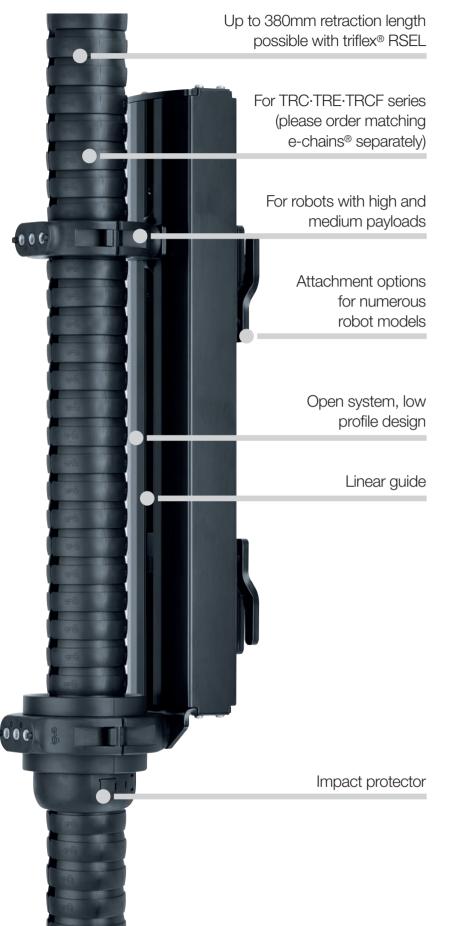
RSEL retraction system New Cost-effective linear retraction system New

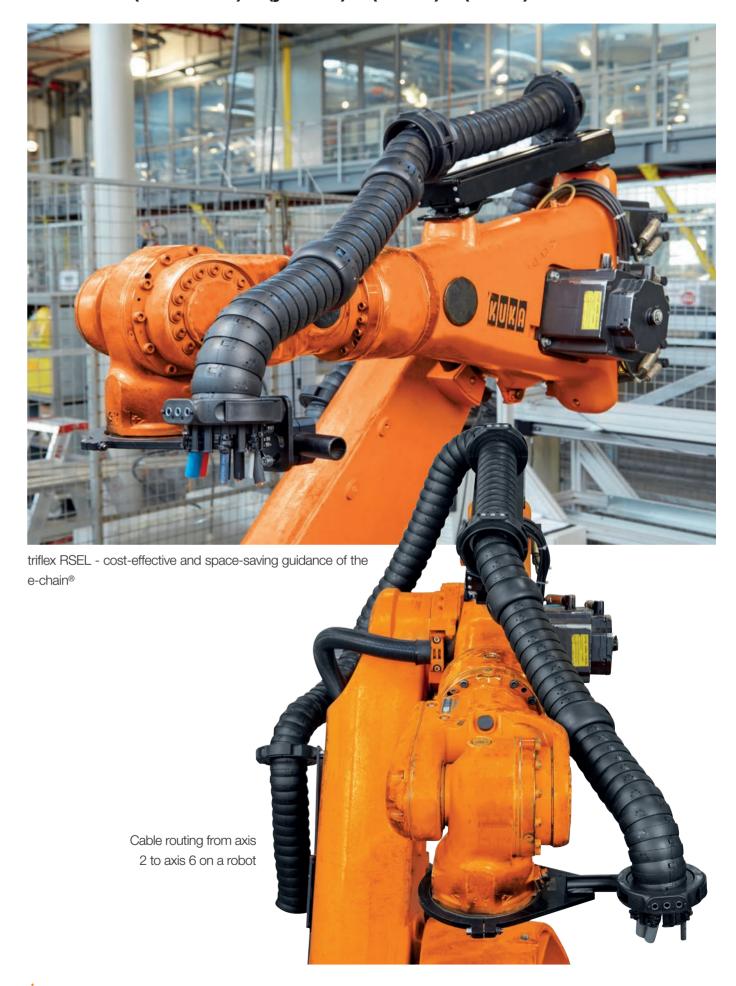


Cost-effective, linear retraction system triflex® RSEL

Avoid looping on the robot head - even more cost-effective and even for corrugated tubes, with the RSEL retraction system. Especially designed for robots with medium to high payload, the igus® triflex® RSEL retraction system offers an option to actively avoid looping in the working area of the robot by keeping the e-chain® as close as possible to the robot arm.

- Cost-optimised retraction system, easy to retrofit
- Due to its standard dimensions and the very compact design, the RSEL retraction system can be mounted directly on the 3rd axis of all common types of robots
- Retraction element with elastomer band
- Prevents the e-chain[®] from looping or blocking the motion, even in highly dynamic applications
- Short type
- Attachment options for numerous robot
- For robots with high and medium
- The fixed end of the e-chain® can be freely selected due to the linear design of the RSE retraction system

RSEL - R(etraction) S(ystem) E(lastic) L(inear)



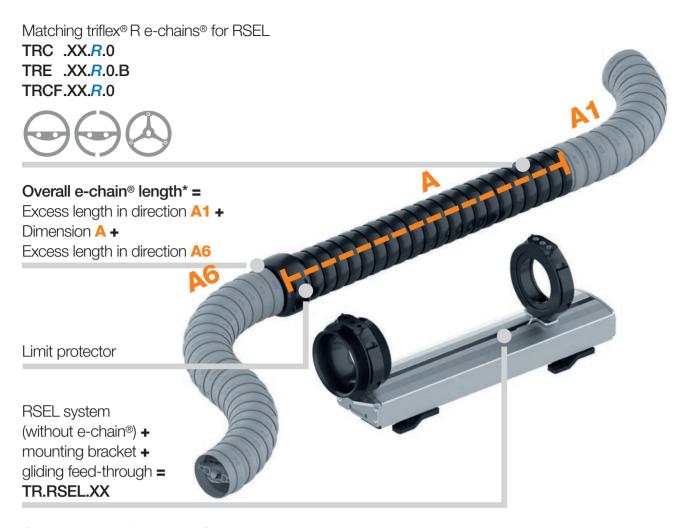
100 More information ▶ www.igus.co.uk/triflex-RSEL



www.hennlich.cz/lin-tech



RSEL retraction system System design with matching e-chain®



*For calculation of the overall e-chain® length: Please add the desired excess length in direction A1 and the excess length in direction A6 and the dimension A

Complete retraction system RSEL and triflex® R e-chain® TRC series. Mounting bracket and gliding feedthrough are included. Please order triflex® R e-chains®, limiting protectors separately!



102 More information ▶ www.igus.co.uk/triflex-RSEL



RSEL retraction system Order examples for retraction system including e-chain®



System	Select ø index	TR.RSEL.85
+ e-chain®	Insert Ø index / Insert bend radius R / Insert standard length in metres	2m TRCF.85.135.0
+ Protector	Select protector option / specify ø index	TR.85.30
Order text:	TR.RSEL.85. + 2 m TRCF.85.135.0 + TR.85.30	



More optional accessories | RSEL retraction system





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Default colour black

R Bend radius

e-chain® series

Ø index

RSEL retraction system

Product range



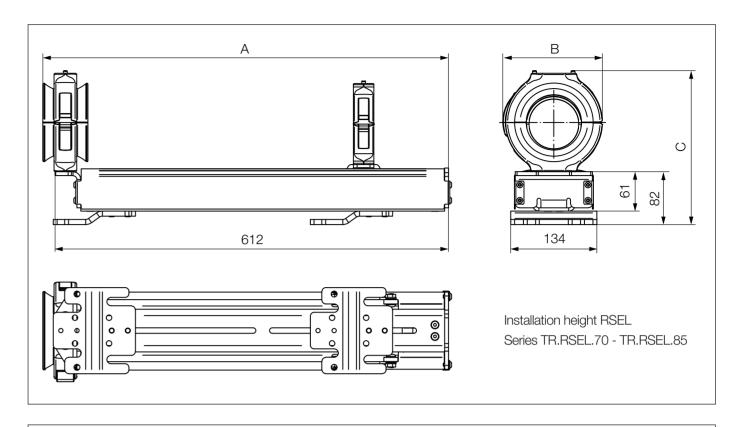
Product range | RSEL retraction system

Ø		Part Number	Retraction length ¹⁾	Α	В	С	Weight
Index		RSEL	≤ [mm]	[mm]	[mm]	[mm]	[kg]
30.	>	_	_	_	_	_	_
40.	>	_	_	_	_	_	_
50.	>	_	_	_	_	_	_
60.	>	_	_	_	_	_	_
65.	>	_	_	_	_	_	_
65. (R 2	200)	_	_	_	_	_	_
70.	>	TR.RSEL.70	380	631	155	239	8.8
85.	>	TR.RSEL.85	380	638	155	251	8.9
85. (R 2	240)	_	_	_	_	_	_
100.	>	_	_	_	_	_	_
125.		_	_	_	_	_	_

Please order matching triflex® R e-chain® separately. 1) Maximum retraction length

RSEL retraction system

Installation dimensions









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RSEL e-chains®

Product range



Product range | Matching e-chains® for RSEL

Ø		Part No.	Part No.	Part No.
Index		TRC	TRE	TRCF with
		enclosed	"easy" design	snap lock mechanism
30.		_	_	_
40.	•	_	_	-
50.	•	_	_	-
60.		_	_	-
65.		_	_	-
65. (R 20	00) >	_	_	-
70.		TRC.70.110.0	TRE.70.110.0.B	-
85.	•	TRC.85.135.0	TRE.85.135.0.B	TRCF.85.135.0
85. (R 2 4	40)	_	_	-
100.	•	_	_	-
125.	•	_	_	-
1) Availabl	le for B	- and C-versions		

Please note that all triflex® R e-chains can be lengthened and shortened individually and can be customized to meet the needs of your application.

Please order e-chains® as piece parts and purchase a protector for each one.

Product range | Matching protectors for RSEL

Ø Index	Part No. protector with screw fastener	Part No.protector withquick-lock fastener	General image protector options
30.	_	_	
40.	_	_	
50.	_	_	
60.	_	_	0
65.	_	_	
65. (R 200)	_	_	
70.	TR.70.10	TR.70.30	
85.	TR.85.10	TR.85.30	
85. (R 240)	_	_	
100.	_	_	More information on
125.	_	_	Protectors ▶ Page 47

*Available upon request. Please consult igus® for delivery time.

Please order protectors with screw connections or quick release as limit protectors.

106 More information ▶ www.igus.co.uk/triflex-RSEL



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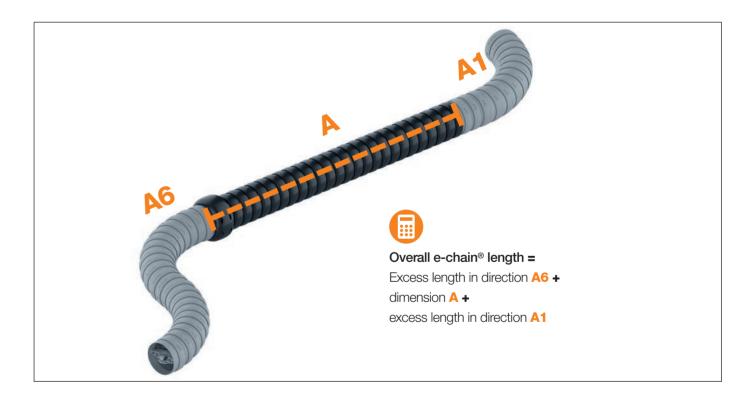
RSEL e-chains®

Cable length calculation

Calculation of the overall e-chain® length | RSEL e-chains®

Ø		Bend radius	Dimension A	General image	Direction A1
Index		R [mm]	[mm]	overall e-chain® length	excess length
30.	•	_	_	Dimension A	7
40.		_	_		
50.		_	_	Direction A6	
60.		_	_	excess length	
65.	•	_	_		
85. (R 2	240)	_			
70.	•	110	530		
85.	•	135	530		D
85. (R 2	240)	_	_		
100.		_	_	91	
125.		_	_		
				9.3	

For calculation of the overall e-chain® length: Please add the desired excess length in direction A1 and the excess length in direction A6 and the dimension A. Additionally, at least 1 limit protector must be ordered.





More information and installation height | RSEL e-chains®

- TRC series enclosed design, chip-protection, smooth outer contour ▶ from page 28
- TRE series "easy" design, very easy to fill, simply press cables in ▶ from page 30
- TRCF series enclosed design with snap-lock mechanism, chip-repellent, smooth outer contour ▶ from page 32



3D CAD, configurators, service life calculation and more ▶ www.igus.co.uk/triflexR

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