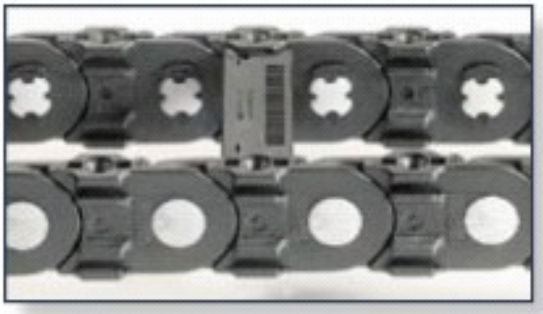
ekdgelenkrohr

- without abrasion
- smooth run
- minimum oscillation
- clean room approved

Energy drag chain with progressive damping

SYSTEM ELTOLA interflex
SYSTEM REINTEC interflex

ELTOLA



Energy drag chain SYSTEM ELTOLA

(ELastic TOrsion LA bearing) is the combination of low noise and non abrasive movement.
The elastic torsion bearing replaces the swivel joint which is built by pivot and bore elements at conventional energy drag chains. It is characterized by friction and wear. The relative movement between chain links is lead through a torsion bearing.
Through this design ELTOLA is transferring a torque between the links starting from a neutral zero position and increasing with a rising angle of twist.

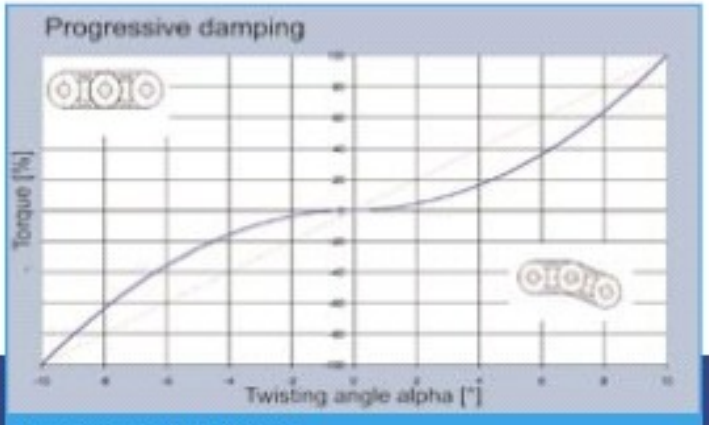
The result is a progressive damping of the polygon movement and a quiet and extremly smooth run.
Essential advantages are achieved by ELTOLA:

Quiet and smoth run by a progressiv damping in the unrolling motion under retention of the stability of ordinary energy drag chains.

Each ekd gelenkrohr plastic chain may be modified to SYSTEM ELTOLA.

Applications

... with fast, noise sensitive movements and high accelerations.
Recommend at all applications at where mechanically and acoustically quit movement is required.



Damping behavior ELTOLA/REINTEC

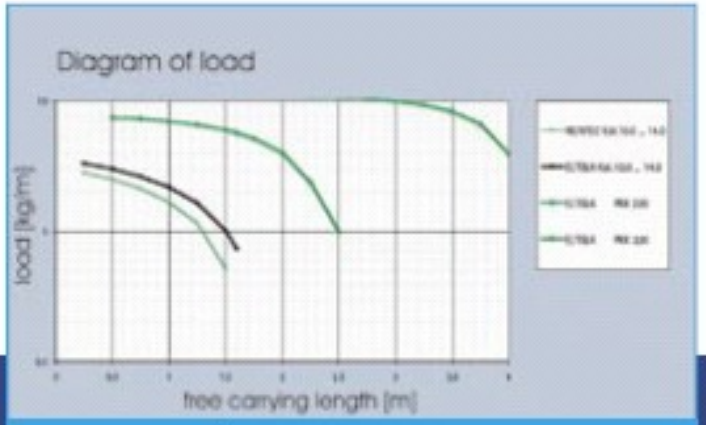


Diagram of load ELTOLA/REINTEC

REINTEC

Energy drag chain SYSTEM REINTEC

is the energy chain for clean room requirements.
The principle of the energy chain REINTEC is the replacement of the sliding friction at the surface of pivot and bore at the swivel joint of conventional energy chains via a friction free connection:
The relative movement between the chain links is lead over the torsion bearing ELTOLA which connects neighbouring links made of a non reinforced special material.
The adjacent sides of neighbouring links are in defined distances.
This avoids wear and abrasion.
In this constellation SYSTEM REINTEC achieves essential advantages compared with existing systems:

Advantages and applications

Abrasion and wear optimized behavior under retention of the stability of an energy chain
Quiet run through a progressive damping during the unrolling movement.

All areas, in which cleanness and clean room conditions are required:
Chiptechnology, food and textile industry and everywhere, where quiet movement is required.

		Biegeradius R	Tlg.	a	b	c	d	e	f	g	h
REINTEC Kolibri	10.0	75/100/150/200	35	23	34	30	50	3	-	40	5
	11.0				44		60			50	
	12.0				64		80			70	
	13.0				79		95			85	
	14.0				109		125			115	
	15.0	75/100/150/200	45	29	47	40	62	4	-	54	5
	16.0				60		75			67	
ELTOLA Kolibri	10.0	75/100/150/200	35	23	34	30	50	3	-	40	5
	11.0				44		60			50	
	12.0				64		80			70	
	13.0				79		95			85	
	14.0				109		125			115	
	15.0	75/100/150/200	45	29	47	40	62	4		54	5
	16.0				60		75			67	
ELTOLA PICK	210	100/150/200/300	65	34	40...190	50	70...220	5	10	10	6
	220	100/150/200/300					80...230		15		
	310	150/300	90	51	40...290	75	74...324	6	12	12	8

Please fax this quiestionnaires ELTOLA/REINTEC to: +49 (0) 2 11 24 10 88

To be able to offer the right solution for your application, we ask you for the following data:

Use place: Inside application
outside application
ambient temperature: °C
Media: water
others:
acid
arrangement:
oil
Explanations see EKD-catalogue

Travel distance in m:
Minimum chain length= 1/2 travel distance + 4 x chain bending ratio (fixing point at 1/2 of travel distance)
Travel speed: m/s
Acceleration: m/s²
Travel frequency:
/h/min/s (underline right unit, please)

Specifications for the chain crosscut:
Inside (bredth): mm
Prefered bending ratio: mm
Inside (hight): mm
(Take the minimum bending ratio of the cable and hoses in account, please.)
max. place for installation: mm
Weight of cable, hoses; number and diameter:

Sender:

Company: _____ Date: _____
_____
Person: _____ Department: _____
Phone: _____ Fax: _____
E-Mail: _____

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