ROLL-RING®

US- Trademark Reg.No. 2,176,383 Internat. Reg. No. 641683 from EBERT

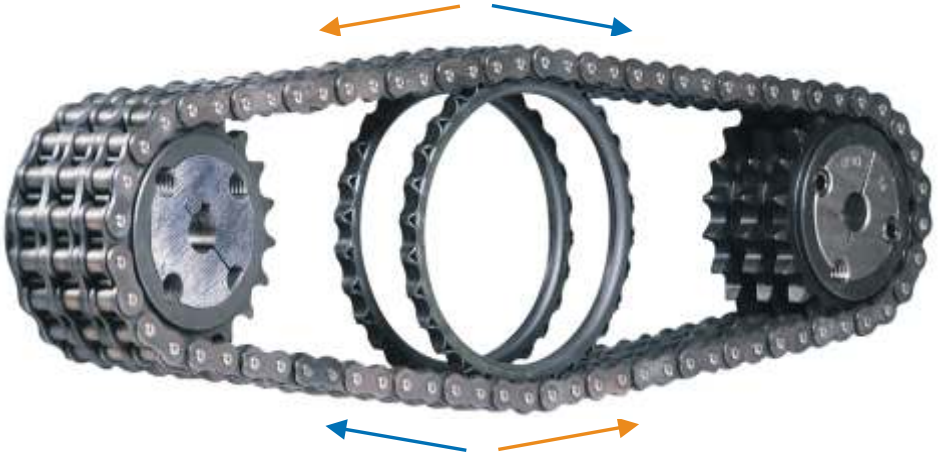
SAVES TIME & MONEY

Thereby it damps shocks and vibrations and prolongs the life time of the whole transmission.

elastic, inside-ventilated tooth profile

independent of rotational direction symmetric

polymer high performance material



exact diametrical tension on load strand and un-load strand

The Benefits:

Tensioner and Damper in one

Automatic

Self-adjusting

One second fitment

Reversible

Maintenance-free

Rolls elastically No sprockets

The Company

It started with the idea of a rolling chain tensioner consisting of an elastic ring connected with an outer tooth profile by Siegfried Ebert. International patents and the trademark ROLL-RING were reserved. The first ROLL-RINGs were manufactured in the workshop at home and countless tests followed in the garage. The EBERT Kettenspanntechnik GmbH was founded as a start up enterprise in 1995. A product range was developed suitable to the international chain standards and with it the technology and capacity. This product range was awarded the Innovation Prize of the State of Saxony, Germany, in the same year.
In the meantime the ROLL-RING is available for more than 10 years and dominates the European market. Now a days it is exported to every industrial country. It is suitable especially for quality chain drives where reliability is needed, as chain brands like Renold/Jeffrey, Rexnord, Diamond, Brampton, IWIS or Tsubaki. Based on the first idea further innovative products follow, for example to solve problems in timing belts or vehicles.

Conveyor for Aluminium – Profiles „Norsk Hydro“

Belt conveyor in the tyre manufacturing „Pirelli Germany“

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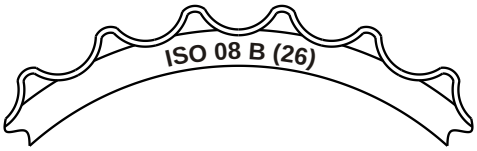
http://www.roll-ring.com service@roll-ring.com

Check – in scales „Airport Frankfurt“

Dung strewer „Annaburger Agricultural Machines“

Installation

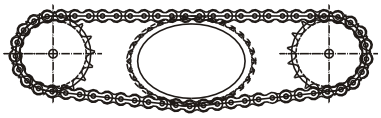
Compare the chain type and the ROLL-RING type. The suitable chain type for each ROLL-RING is casted in.



For example this ROLL-RING
suits chain ISO 08 B (1/2“x5/16”)

Check the operating conditions. The allowed environmental temperatures are between -20°C and +70°C.
ROLL-RING is made for chain drives with periodical lubrication by hand or dropping lubrication.
For special conditions or influences please ask us.

For installation compress the ROLL-RING and fit within the chain strands. The compression is right, if the ring takes the shape like an ellipse. In practice, the compression should be about 25% to 30%.

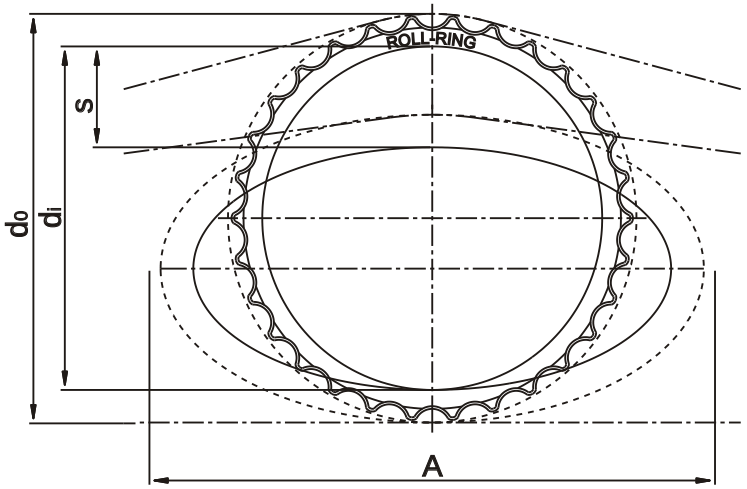


OK.

too little compression

too much compression

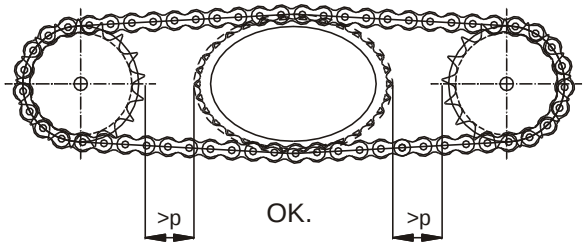
For precise choice please use our free calculation and take a look at the table below.



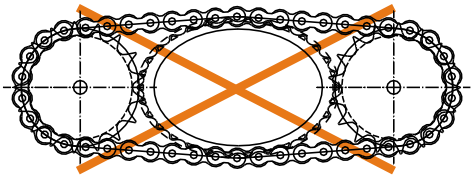
ISO-No.	Article	d_o	d_i	s	A	$D=d_o-s$
05 B	**105 030 01**	76.5	65.0	20.0	104.0	56.5
06 B	**106 030 01**	91.1	73.0	25.0	122.0	66.1
06 B	**106 036 01**	109.0	89.0	25.0	143.0	84.0
08 B	**108 026 01**	105.5	87.5	27.0	135.8	78.5
08 B	**108 030 01**	121.5	101.6	30.0	161.6	91.5
08 B	**108 034 01**	137.5	115.4	30.0	165.0	107.5
08 B	**108 430 01**	121.5	101.6	30.0	161.6	91.5
10 B	**110 026 01**	128.4	105.0	28.0	153.0	100.4
10 B	**110 030 01**	148.0	124.6	33.0	177.0	115.0
10 B	**110 034 01**	170.0	141.0	38.0	217.0	132.0
12 B	**112 026 01**	155.0	127.6	35.0	209.5	120.0
12 B	**112 030 01**	182.2	153.1	45.0	242.0	137.2
12 B	**112 034 01**	207.5	169.5	45.0	265.0	162.5
16 B	**116 026 01**	207.0	167.0	45.0	269.0	162.0
16 B	**116 030 01**	245.8	202.0	50.0	306.0	195.8
20 B	**120 030 01**	303.7	256.4	65.0	390.0	238.7

All values in mm
Value "A" includes a safety distance to the sprockets

The safety distance to the sprockets must be the value of one chain pitch p at minimum to prevent collision.



OK.



bad collision