

Chains KE and KE-Eco, similar to DIN ISO 606 (formerly DIN 8187), Plastic with Stainless Steel

Material and type:

Type KE: Inner links made from special polycarbonate with high chemical resistance, for food industry or laboratory. Outer links from stainless steel 1.4301 (AISI 304).

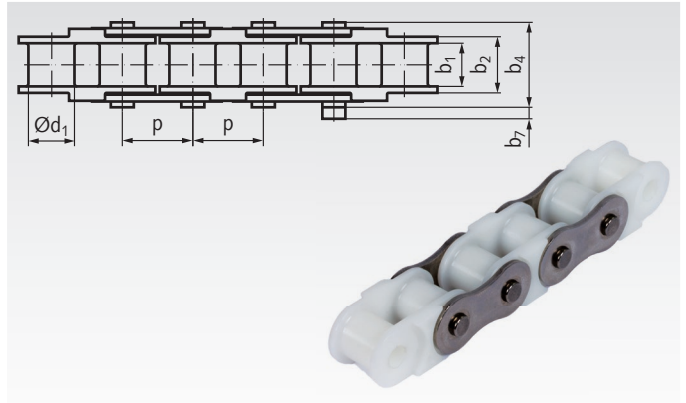
Type KE-Eco: Similar to KE, but inner links from POM, with lower chemical resistance.

Main dimensions according to DIN ISO 606 (formerly DIN 8187).

- Very light and silent running.
- Very clean due to closed surfaces on the inner link.
- High corrosion resistance.
- Long lifetime, without any lubrication.
- Breaking load significantly higher than pure plastic chains.
- Temperature range -10°C to +80°C. V_{max} 70m/min.

Chains are supplied with an uneven number of links, ending with inner links. Connecting links must be ordered separately.

Ordering Details: e.g.: Product No. 101 550 00, Chain KE 06 B-1



DIN ISO	Product No. Type KE	Product No. Type KE-Eco	Pitch x Inner Width $p \times b_{1min}$		Inner Width b_2	Roller- Ø d_1	Pin Ø	Width over Pin b_4	Pro- jection $b_7^{2)}$	Calculated Load max. ³⁾	Weight	
			mm	Zoll	mm	mm	mm	mm	mm	kN	kg/m	
06 B-1 ¹⁾	101 550 00 ¹⁾	101 560 00 ¹⁾	9,525	x 5,72	3/8 x 7/32	8,53	6,35	3,28	13,5	3,3	0,20	0,23
08 B-1	105 550 00	105 560 00	12,7	x 7,75	1/2 x 5/16	11,30	8,51	4,45	17,0	3,9	0,43	0,40
10 B-1	106 550 00	106 560 00	15,875	x 9,65	5/8 x 3/8	13,28	10,16	5,08	19,6	4,1	0,52	0,51
12 B-1	107 550 00	107 560 00	19,05	x 11,68	3/4 x 7/16	15,62	12,07	5,72	22,7	4,6	0,70	0,67
16 B-1	-	108 560 00	25,4	x 17,02	1" x 17,02mm	25,45	15,88	8,28	35,4	5,4	0,93	1,39

¹⁾ With straight link plates.

²⁾ Maximum value at the connecting link.

³⁾ See calculation factors below.

Attention please: Packing Unit 5m

If special lengths are needed, please tell us the length and the number of links (uneven number!). Connecting links have to be ordered separately.

Connecting links for chains KE and KE-Eco

Material: Stainless steel 1.4301 (AISI 304).

Ordering Details: e.g.: Product No. 101 990 03, Connecting Link No.11/E, 06 B-1, stainless



No. 11/E: Connecting link with spring clip

DIN ISO No.	Product No. Connecting Link No. 11/E	Weight g
06 B-1	101 990 03	4
08 B-1	105 990 03	7
10 B-1	106 990 03	13
12 B-1	107 990 03	14
16 B-1	108 990 03	65

Load calculation factors for Chains KE and KE-Eco

The actual load is to be calculated with the following factors. The result may not be greater than the allowed calculated load.

- Shock load:** Usual factors see page 41.
- Number of sprocket teeth:**
 - 9 - 14 teeth: Factor 1.16
 - 15 - 23 teeth: Factor 1.12
 - 24 - 37 teeth: Factor 1.08
 - 38 - 59 teeth: Factor 1.04
 - Above 60 teeth: Factor 1.00
- Chain speed:**
 - 0 to 15m/min: Factor 1.0
 - 16 to 30m/min: Factor 1.2
 - 31 to 50m/min: Factor 1.4
 - 51 to 70m/min: Factor 1.6

Resistance of KE-Chains

Resistant against:

Acetone, alcohol, ammonia water, malic acid (50%), petrol, benzene, butyric acid, acetic acid, formaldehyde, glycerine, caustic potash, potassium nitrate, lactic acid (10%), sodium chloride, sodium bicarbonate, oils (plant / mineral), paraffin, petroleum, juices, hydrogen sulphide (dry), tartaric acid (10%), sugar solutions etc.

Tested at 20°C, without any guarantee about secondary effects.

Not resistant against:

Chlorine gas, chromic acid, iodine, phosphoric acid, carbolic acid, nitric acid, hydrochloric acid, ozone, sulphuric acid, hydrogen sulphide (wet), stearic acid etc.