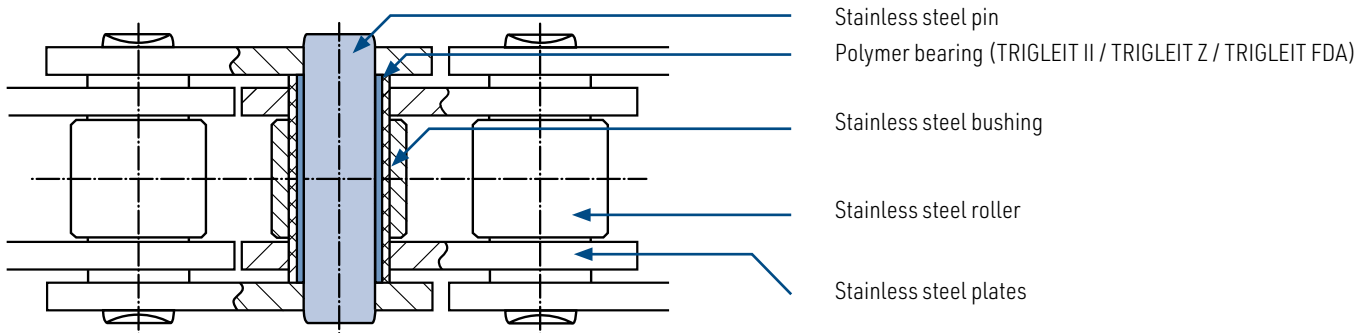




High performance polymer bearing TRIGLEIT II



High performance polymer bearing TRIGLEIT Z



MARATHON stainless steel chains

For maximum freedom from maintenance and highest possible lifetime

High performance polymer bearings allow operation of stainless steel chains without relubrication!

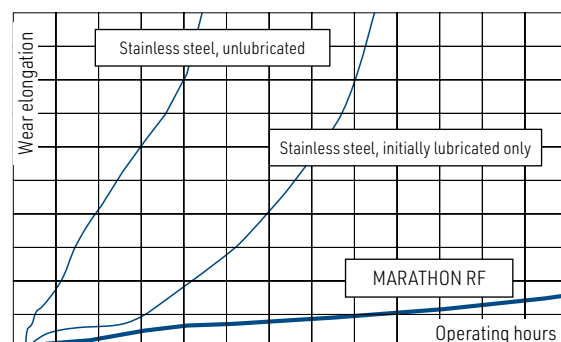
Technical features

- Durable and low-friction polymer bearing
- All other chain components made of stainless steel grades
- Maximum chain speed $v = 2,5 \text{ m/s}$
- Working temperature -30°C to $+60^\circ\text{C}$ (TRIGLEIT II)
- Working temperature -100°C to $+200^\circ\text{C}$ (TRIGLEIT Z / TRIGLEIT FDA)
- Chain dimensions according to ISO 606; standard stainless steel sprockets can be used
- No relubrication required
- Relubrication with mineral oils possible (no ester oils)
- Can also be supplied with extended pins, straight attachments, bent attachments and in special designs
- Information on chemical resistance on request
- Durable water resistance (TRIGLEIT Z / TRIGLEIT FDA)

Application areas

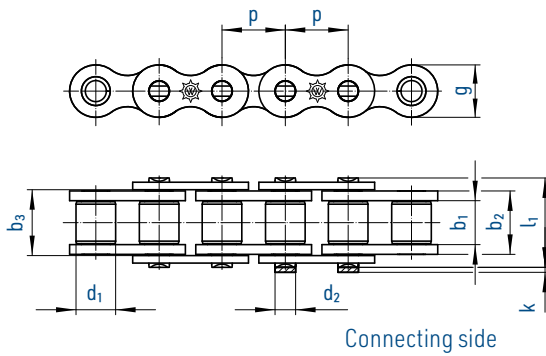
- Packing industry
- Chemical industry
- Pharmaceutical industry
- Textile industry
- Food industry
- Sanitation industry
- Electrical industry

Results of long-term wear tests

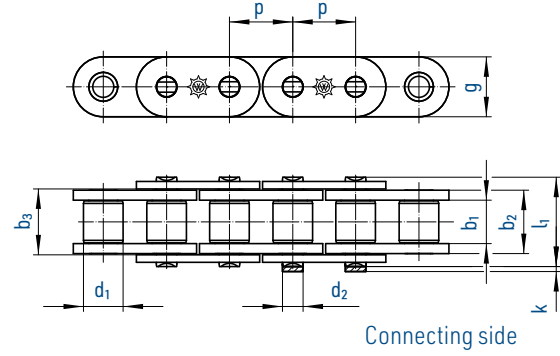




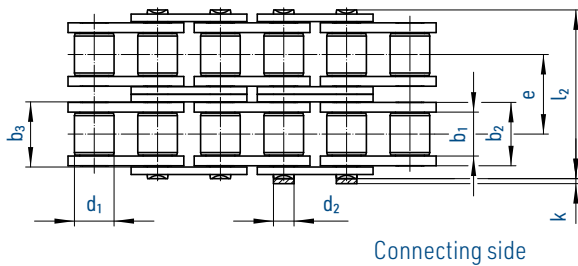
Simplex chains



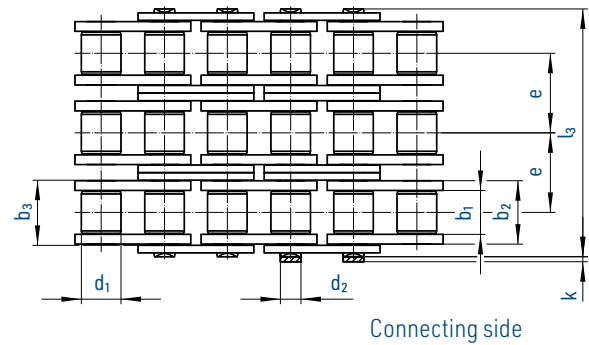
Simplex chains GL (straight plates)



Duplex chains



Triplex chains



Chain		ISO	Pitch		Inner width b_1 min.	Inner link width b_2 max.	Outer plate width b_3 min.	Roller \emptyset d_1 max.	Pin \emptyset d_2 max.	Transverse pitch e	Plate height g max.	Projection over connecting link k max.	Width over pin l max.	Bearing area f	Breaking load F_B min.	Weight q \approx	Connecting links
No.	Ind.		Nr.	mm													
462	RF MA	08 B-1	12,700	1/2	7,75	11,30	11,43	8,51	4,45	-	11,8	3,9	17,0	0,50	12,00	0,70	11,12,15
501	RF MA	10 B-1	15,875	5/8	9,65	13,28	13,41	10,16	5,08	-	14,7	4,1	19,6	0,67	14,50	0,91	11,12,15
513	RF MA	12 B-1	19,050	3/4	11,68	15,62	15,75	12,07	5,72	-	16,1	4,6	22,7	0,89	18,50	1,18	11,12,15
548	RF MA	16 B-1	25,400	1	17,02	25,40	25,60	15,88	8,28	-	21,0	5,4	36,1	2,10	40,00	2,50	111,12
563	RF MA	20 B-1	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	-	26,4	6,1	43,2	2,96	63,00	3,50	11,12
D 462	RF MA	08 B-2	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	20,40	1,36	11,12,15
D 501	RF MA	10 B-2	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	24,65	1,82	11,12,15
D 513	RF MA	12 B-2	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	31,45	2,38	11,12,15
D 548	RF MA	16 B-2	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	68,00	5,10	111,12
D 563	RF MA	20 B-2	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	79,7	5,91	107,10	7,30	11,12
T 462	RF MA	08 B-3	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	32,50	2,01	11,12,15
T 501	RF MA	10 B-3	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	39,00	2,70	11,12,15
T 513	RF MA	12 B-3	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	49,50	3,12	11,12,15
T 548	RF MA	16 B-3	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	108,00	7,50	111,12
T 563	RF MA	20 B-3	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,1	8,87	170,00	10,60	11,12

Can also be supplied with attachments, straight plates (type series GL) and as double pitch roller chains (dimensions according to ISO 1275). Chains 548 available as type series GLS with plate height $g = 21$ mm (max.) and as type series GL with $g = 24$ mm (max.). Sprockets on request.

Connecting links: According to ISO (...)



No. 4 (B)

Inner link



No. 7 (A)

Outer link
(to be riveted)



No. 11 (E)

Spring clip
connecting link



No. 111 (S)

Connecting link
with cottered pin



No. 12 (L)

Single
cranked link



No. 15 (C)

Double
cranked link