

iwis® MEGAlife I and MEGAlife II

The maintenance free iwis chains

PROBLEM/INITIAL SITUATION

- Lubrication is not at all or only partly possible
- Clean & dry surroundings are required
- Difficult/obstructed lubrication passage
- Contamination of manufacturing outlet and conveyor apparatus due to chain lubrication

OUR SOLUTION

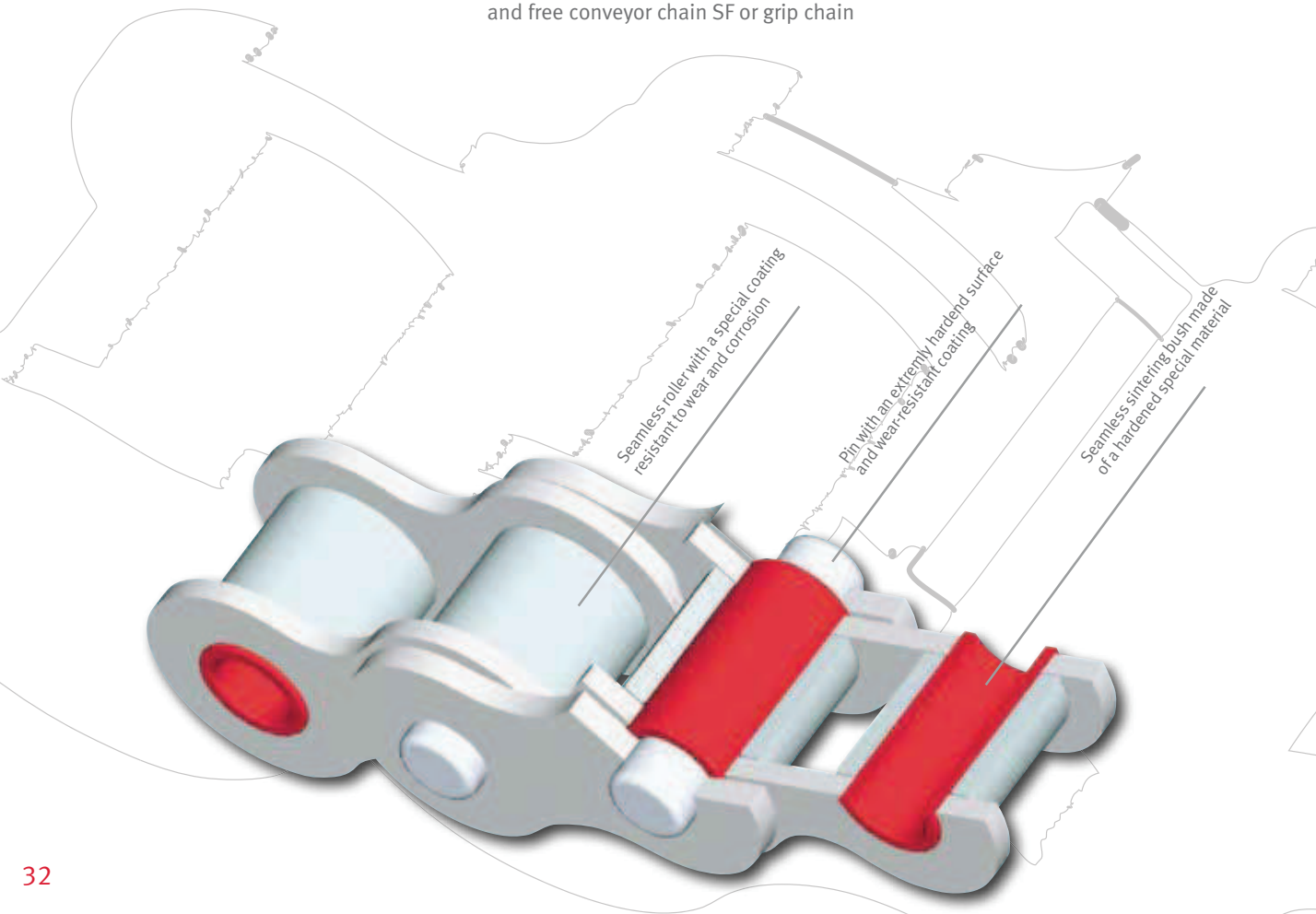
A high performance, maintenance-free chain with redesigned joints. Innovative technical details which result in an, as yet, unbeatable service life, even without re-lubrication.

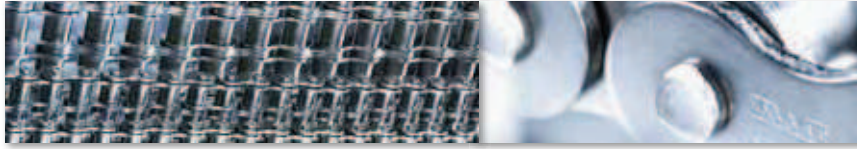
HIGHLIGHTS MEGALIFE I

- Excellently qualified for normal chain applications without re-lubrication at speeds amounting to **max.** 3 m/s
- Permanently maintenance free under certain conditions
- Easy to dismantle due to easy break
- Applicable in corrosive environments; recommendable with lubrication, if possible
- 100 % compatibility with iwis standard conveyor chains due to the use of original iwis attachments
- MEGAlife conveyor chains with elongated pins are chemically nickel-plated
- All roller chains are mounted with shouldered pins
- Environmentally friendly because lubrication is not necessary
- Also available as transfer chain TF, power and free conveyor chain SF or grip chain

HIGHLIGHTS MEGALIFE II

- The solution for **fast running** chain drives, $v > 3$ m/s and/or high loads
- Considerably improved wear resistance due to a special thermo-chemical treatment of the pins which influences the hardness of the surface and optimizes herewith the adhesiveness
- Distinctive longer lifetime
- Pins and sintering bushes are optimally adjusted to each other
- Not recommendable in environments susceptible to corrosion
- Mainly applied as drive chain, as conveyor chain only in exceptional cases – at high speeds and loads
- For demanding applications





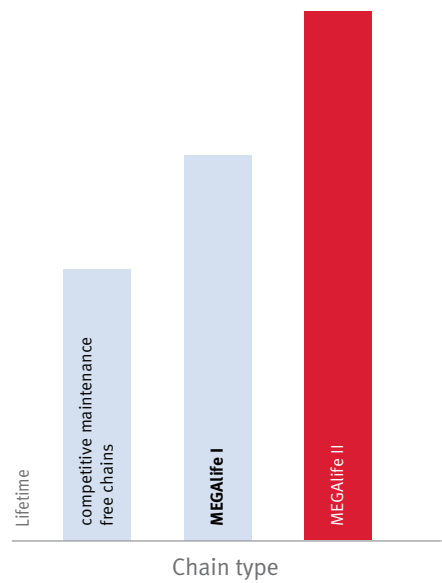
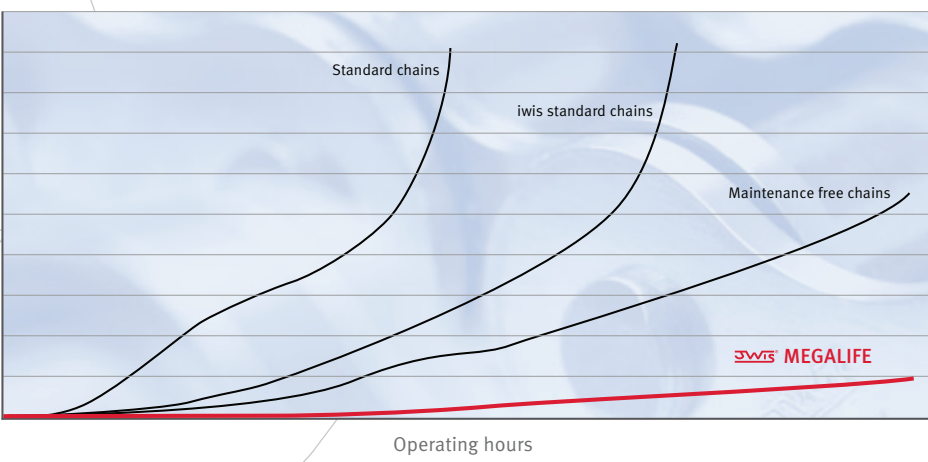
CUSTOMER BENEFITS	AREAS OF APPLICATION	PRODUCT RANGE
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- Excellent wear resistance – even at high speeds and loads – where conventional maintenance free chains stretch
- Extremely high levels of fatigue and breaking strength
- Protected from corrosion due to nickel-plated parts
- Easy to dismantle, easy break
- Temperature range from -40°C up to +150°C
- Less production still-time and therefore reduced overall maintenance cost
- MGALIFE chains are clean, dry and environmentally-friendly due to absence of excess lubrication

- Packaging & Food Industry
 - Printing Industry
 - Material handling, Conveyor systems
 - Textile & Clothing Industry
 - Paper Manufacture & Book Binding Industry
 - Electronic Industry & Circuit Board Manufacture
 - Wood, Glass & Ceramic Industry
 - Medical technology
- ... and of course in all areas where re-lubrication is not at all or only partly possible.

- Roller chains according to DIN 8187 and DIN 8188/ANSI 29.1
- Roller chains with different attachments
- Roller chains with straight side plates
- Power and free conveyor chains
- Transfer chains
- Grip chains
- Special conveyor chains

Trial without re-lubrication at high speeds.
Graphic representation corresponds to iwis test results.



UWIS® MEGAlife I roller chains

Complying with DIN 8187-1, ISO 606: 2004

DIN ISO no.	Ref. no. iwis	Pitch p (")	Pitch p (mm)	Tensile strength F _b				Inner link			Outer link				Article No.	
				iwis (N) med.	Standard (N) min.	Breaking area F (cm ²)	Weight per m q (kg/m)	b ₁ (mm) min.	b ₂ (mm) min.	g (mm) max.	a ₁ (mm) max. ¹⁾	a (mm) max. ¹⁾	Roller d ₁ (mm) max.	Pin d ₂ (mm) max.		Transverse pitch e (mm)
Simplex																
06 B-1	G 67 ML*	3/8"	9,525	11.000	9.000	0,28	0,41	5,72	8,53	8,20	12,90	14,10	6,35	3,31	-	50033917
08 B-1	L 85 ML	1/2"	12,70	22.000	18.000	0,50	0,70	7,75	11,30	12,20	16,90	18,50	8,51	4,45	-	50026256
08 A-1 ANSI 40	L 85 AML	1/2"	12,70	17.500	14.100	0,44	0,60	7,94	11,15	12,00	16,60	17,50	7,95	3,96	-	50036841
10 B-1	M 106 ML	5/8"	15,875	25.000	22.400	0,67	0,95	9,65	13,28	14,40	19,50	20,90	10,16	5,08	-	50026257
12 B-1	M 127 ML	3/4"	19,05	30.000	29.000	0,89	1,25	11,75	15,62	16,20	22,70	23,60	12,07	5,72	-	50026258
12 A-1 ANSI 60	M 128 AML	3/4"	19,05	41.000	31.800	1,06	1,47	12,70	17,75	18,00	25,30	26,70	11,91	5,96	-	50038464
16 B-1	M 1611 ML	1"	25,4	75.000	60.000	2,10	2,70	17,02	25,45	21,10	36,10	36,90	15,88	8,28	-	50028923
20 B-1	M 2012 ML	1 1/4"	31,75	120.000	95.000	2,92	3,72	19,56	29,1	26,2	41,6	43,3	19,05	10,17	-	50037775
Duplex																
06 B-2	D 67 ML	3/8"	9,525	19.000	16.900	0,56	0,78	5,72	8,53	8,20	23,40	24,60	6,35	3,31	10,24	50033832
08 B-2	D 85 ML	1/2"	12,70	40.000	32.000	1,00	1,35	7,75	11,30	12,20	30,80	32,40	8,51	4,45	13,92	50027439
10 B-2	D 106 ML	5/8"	15,875	50.000	44.500	1,34	1,85	9,65	13,28	14,40	36,00	37,50	10,16	5,08	16,59	50027509
12 B-2	D 127 ML	3/4"	19,05	60.000	57.800	1,78	2,50	11,75	15,62	16,40	42,10	43,00	12,07	5,72	19,46	50027457
16 B-2	D 1611 ML	1"	25,40	150.000	106.000	4,21	5,40	17,02	29,45	21,10	68,00	68,80	15,85	8,28	31,88	50033161
20 B-2	D 2012 ML	1 1/4"	31,75	210.000	170.000	5,84	7,36	19,56	29,01	25,40	79,70	82,90	19,05	10,19	36,45	50033771
Triplex																
08 B-3	TR 85 ML	1/2"	12,70	58.000	47.500	1,50	2,00	7,75	11,30	12,20	44,70	46,30	8,51	4,45	13,92	50027510
10 B-3	TR 106 ML	5/8"	15,875	75.000	66.700	2,02	2,80	9,65	13,28	14,40	52,50	54,00	10,16	5,08	16,59	50027511
12 B-3	TR 127 ML	3/4"	19,05	89.000	86.700	2,68	3,80	11,75	15,62	16,40	61,50	62,50	12,07	5,72	19,46	50027512
16 B-3	TR 1611 ML	1"	25,40	219.000	160.000	6,32	8,00	17,02	25,45	21,10	99,20	100,70	15,88	8,28	31,88	50033628
Simplex/duplex - MEGAlife roller chains with straight side plates																
10 B-1	M 106 ML-GL	5/8"	15,875	24.000	22.400	0,67	0,95	9,65	13,28	13,90	19,50	20,90	10,16	5,08	-	50035304
10 B-2	D 106 ML-GL	5/8"	15,875	47.500	44.500	1,34	1,85	9,65	13,28	13,90	36,00	37,50	10,16	5,08	16,59	50034083
12 B-1	M 127 ML-GL	3/4"	19,05	30.000	29.000	0,89	1,30	11,75	15,62	16,10	22,70	23,60	12,07	5,72	-	50037351
12 B-2	D 127 ML-GL	3/4"	19,05	63.000	57.800	1,78	2,50	11,75	15,62	16,10	42,10	43,00	12,07	5,72	19,46	50034084

* also available in 10 m length (Art. 50035181), with straight side plates ¹⁾ Differing dimensions for cranked links ²⁾ If cranked links are fitted, it should be noted that the breaking strength of the chain may be reduced by approximately 20%.

