



For your
information

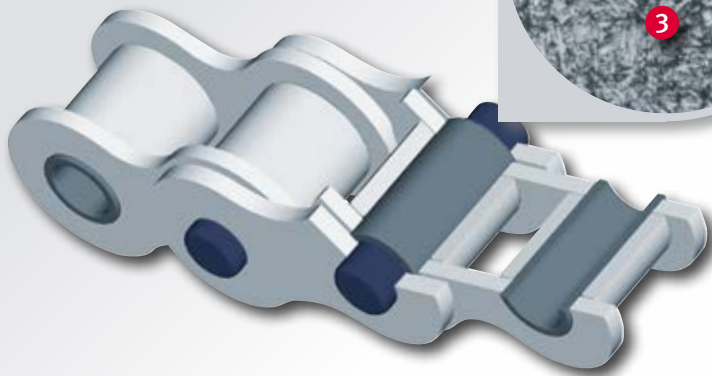
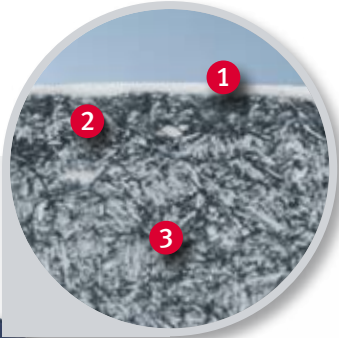
Precision chains from the low-maintenance **SL Series** Super Longlife Technology

iwis precision chains from the **SL Series** (Super Longlife) enjoy an **optimal service life** because they combine **extreme wear resistance, highly even running, unmatched precision** and **significantly higher breaking forces and fatigue strength** than the relevant standard requires.

Super Longlife Technology was specially developed by iwis **for the extreme loads** found in **timing drives** and **industrial applications**. Added value for your application, offered exclusively by iwis.

iwis SL chains have the following special characteristics:

- All pins undergo surface treatment to optimise their wear resistance
- **SL** pins therefore have an extremely hard surface and require little maintenance
- **SL** roller chains are highly impact-resistant
- Highest wear resistance
- Longer service life
- Consistently reliable high breaking force and fatigue strength
- Dry running capabilities mean lower sensitivity to insufficient lubrication
- Less susceptible to corrosion and formation of fretting corrosion in link joints
- All iwis chains are subjected to optimum pre-stretching and treated with high-performance initial lubricant



Cross-section of an SL pin

- 1 Peripheral layer with very high surface hardness
- 2 Diffusion zone: a hard, load-bearing high-stability layer which, together with the peripheral layer, provides wear resistance.
- 3 Base material: ductile core of the pin.

Product range SL chains (standard)

| ISO | iwis reference | Trade name Pitch x inner width | Pitch p (mm) | Tensile strength F_b | | | | Weight per m q (kg/m) | Inner link | | | Outer link | | | Transverse pitch e (mm) |
|---|----------------|-----------------------------------|--------------|------------------------|------------------|--------------------------------------|-----------------|--------------------------|-----------------|-------------|--------------------|----------------|------------------------------------|---------------------------------|----------------------------|
| | | | | iwis (N) ave. | Norm (N) min. | Bearing area f (cm ²) | b_1 (mm) min. | | b_2 (mm) max. | g (mm) max. | a_1 (mm) max. 2) | a (mm) max. 2) | Roller d ₁ (mm) max. | Pin d ₁ (mm) max. | |
| Simplex | | | | | | | | | | | | | | | |
| 08 B-1 | L 85 SL* | 1/2 x 5/16" | 12.70 | 22,000 | 17,800 | 0.50 | 0.70 | 7.75 | 11.30 | 11.80 | 16.90 | 18.50 | 8.51 | 4.45 | - |
| 10 B-1 | M 106 SL* | 5/8 x 3/8" | 15.875 | 27,000 | 22,200 | 0.67 | 0.95 | 9.65 | 13.28 | 14.40 | 19.50 | 20.90 | 10.16 | 5.08 | - |
| 12 B-1 | M 127 SL* | 3/4 x 7/16" | 19.05 | 32,700 | 28,900 | 0.89 | 1.25 | 11.75 | 15.62 | 16.40 | 22.70 | 23.60 | 12.07 | 5.72 | - |
| 12 A-1 | M 128 A SL* | 3/4 x 1/2" | 19.05 | 42,000 | 31,300 | 1.06 | 1.47 | 12.70 | 17.75 | 18.09 | 25.44 | 27.99 | 11.91 | 5.96 | - |
| Duplex | | | | | | | | | | | | | | | |
| 08 B-2 | D 85 SL* | 1/2 x 5/16" | 12.70 | 40,000 | 31,100 | 1.00 | 1.35 | 7.75 | 11.30 | 11.80 | 30.80 | 32.40 | 8.51 | 4.45 | 13.92 |
| 10 B-2 | D 106 SL* | 5/8 x 3/8" | 15.875 | 56,000 | 44,500 | 1.34 | 1.85 | 9.65 | 13.28 | 14.40 | 36.00 | 37.50 | 10.16 | 5.08 | 16.59 |
| Roller Chains, double-pitch type | | | | | | | | | | | | | | | |
| 208 B | LR 165 SL* | 1" | 25.40 | 22,000 | 18,000 | 0.50 | 0.52 | 7.75 | 11.30 | 11.80 | 16.90 | 18.60 | 8.51 | 4.45 | - |
| 210 B | LR 206 SL* | 1 1/4" | 31.75 | 28,000 | 22,400 | 0.67 | 0.63 | 9.65 | 13.28 | 15.10 | 19.50 | 20.80 | 10.16 | 5.08 | - |
| 212 B | LR 247 SL* | 1 1/2" | 38.10 | 34,000 | 29,000 | 0.89 | 0.85 | 11.75 | 15.62 | 16.10 | 22.70 | 24.10 | 12.07 | 5.72 | - |

* Roller chain with "easy break" pins for trouble-free dismantling