

**iwis**  
antriebssysteme  
wir bewegen die welt



## iwis solutions for Parking Systems



Automated parking systems demand reliable, maintenance friendly chain drive solutions. With a premium also being placed on space requirements and speed, iwis chain drive solutions are German engineered to meet even the most challenging environments.

For more information, visit [www.iwis.com](http://www.iwis.com)  
or contact our sales engineering team at

**877-535-3966**

[www.iwis.com](http://www.iwis.com)

# MORE ADDED VALUE



## Solution for Transfer Stations and Horizontal Conveyor Systems

### Application Challenges:

Conveyor chains must deliver long, reliable life in less than ideal conditions. These conditions include extreme temperatures, locations near salt water, high humidity, and locations with little to no maintenance possibilities.

### Our Solution:

#### MEGAlife chains with proprietary IP2 Lubrication

- World's longest lasting Maintenance Free Roller Chain, even at high speeds
- Extremely high levels of fatigue and breaking strength
- Protected from corrosion due to nickel plated parts
- IP2 initial lubrication out performs other "water resistant" coatings in salt spray testing
- Temperature range from -10 °C up to 80 °C

### Salt Spray Test acc. ISO 9227

#### IP2 Lubrication on JWIS MEGAlife Roller Chains



DIN ISO no.	Ref. no. iwis	Pitch p (")	Pitch p (mm)	iwis (N) med.	Standard (N) min.	Breaking area F (cm <sup>2</sup> )	Weight per m q (kg/m)	Inner link			Outer link				
								b <sub>1</sub> (mm) min.	b <sub>2</sub> (mm) min.	g (mm) max.	a <sub>1</sub> (mm) max. <sup>1)</sup>	a (mm) max. <sup>2)</sup>	Roller d <sub>1</sub> (mm) max.	Pin d <sub>2</sub> (mm) max.	
<b>Simplex</b>															
12 B-1	M 127 ML	3/4"	19,05	30.000	28.900	0,89	1,25	11,75	15,62	16,20	22,70	23,60	12,07	5,72	
ANSI 60	M 128 AML	3/4"	19,05	41.000	31.300	1,06	1,47	12,70	17,75	18,00	25,30	26,70	11,91	5,96	
16 B-1	M 1611 ML	1"	25,40	75.000	60.000	2,10	2,70	17,02	25,45	21,10	36,10	36,90	15,88	8,28	
ANSI 80	M 1610 AML	1"	25,40	68.000	55.600	1,79	2,57	15,88	22,40	22,80	32,00	33,90	15,88	7,94	



## Solution for Vertical Lifting Systems

### Application Challenges:

Conveyor chains must be produced for optimal Fatigue and Shock Performance. Typically four chains must be certified as a matched set to ensure equal load distribution. Chains may be required to operate in less than ideal environments.

### Our Solution:

#### H.SP Chains, available with optional surface coatings

Based on years of development, testing, and proven performance, the H.SP chain combines a proven chain design with optimum material and metallurgical specifications to provide performance and value unparalleled in the marketplace.

- Straight sideplate design to ensure maximum fatigue strength
- Oriented inner and outer sideplates with extremely high pitch hole bearing areas for maximum fatigue strength
- Optimized pre-load minimizes initial chain elongation and maximizes chain life
- Shot peened sideplates and rollers for extreme endurance
- Through-hardened shot peened pins with engineered metallurgy further maximizes chain tensile strength without compromising fatigue strength

### Fatigue Strength acc. ISO 15654

**ELITE H.SP**

Leading Competitor



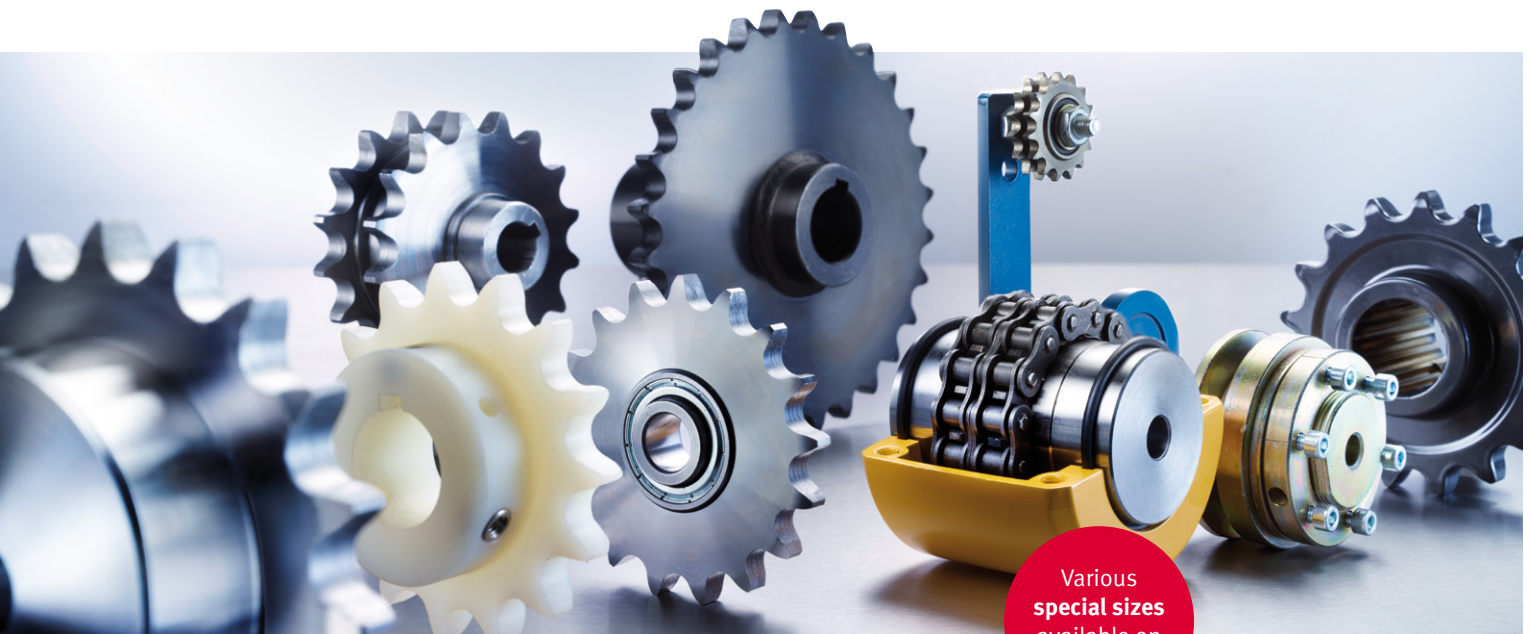
### iwis Engineering

#### Applicational Support? No problem!

Contact iwis for life calculations, chain drive support, and much more!

**877-535-3966**



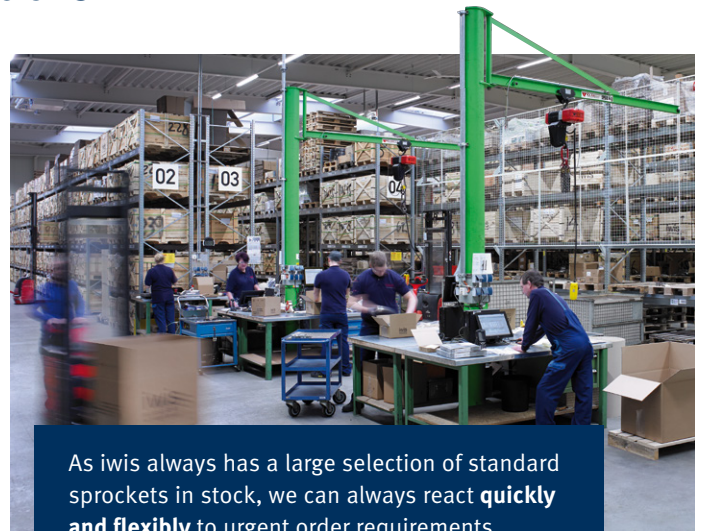


Various  
special sizes  
available on  
request

## Your one stop shop for chain drive solutions

### Sprockets in many different designs and sizes

- Keyways according to standard DIN 6885/1 with keyway widths from 3 P9/J59 – 25 P9/J59
- Conventional internal machining of sprockets and turned parts with a max. external diameter up to 620 mm and a max. turning length up to 500 mm
- Pressing of bearings into components as per drawing; manufacturing of idler sprockets on specially equipped hydraulic presses
- Inductive heat treatment of tooth geometry to prolong service life of the materials also possible if requested by customers
- Surface treatment e.g. galvanising, black oxidation or nickel-plating available
- Sprockets with extremely narrow tolerances
- Pitch hole drilling
- Threaded holes



As iwis always has a large selection of standard sprockets in stock, we can always react **quickly and flexibly** to urgent order requirements.

### Chain Elongation Monitoring

#### Build in chain reliability into your Installation with CCM



- Gives maintenance staff time to (re)act!
- No long downtimes for plant or machinery
- No interruption of the logistics chain
- Prevents financial losses caused by missed production
- Monitoring of precision chain applications
- “Plug ’n’ play” – does not require calibration etc.

Plug 'n' play



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