



Anti-backbend chains

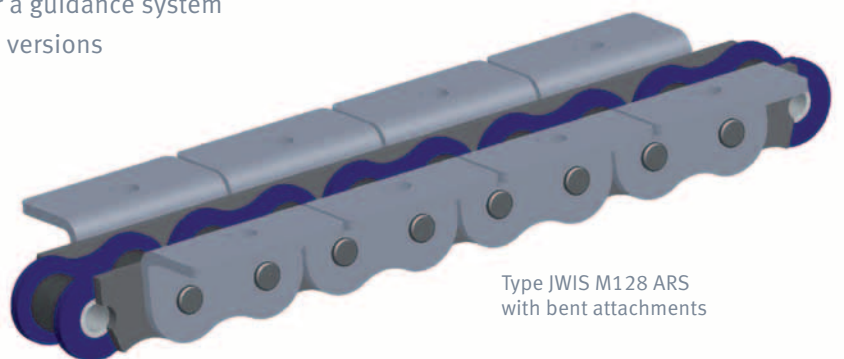
iwis Anti-backbend chains transmit tensile and compressive force with optimum material and metallurgical specifications to provide performance and value unparalleled in the market place.

Key features

- Anti-backbend chains are flexible in only one direction
- Anti-backbend chains are used for pushing loads and transmitting forces over longer distances without the need for a guidance system
- Numerous reference projects of developed chain versions according to specific customer needs
- Various material specifications available

Applications

- Medical devices
- Transport systems
- Building services engineering
- Machine tools
- Ergonomic work stations & furniture



Type JWIS M128 ARS
with bent attachments



Research and Development

In its own research and development facility, iwis has been developing anti-backbend chains for 15 years, continually incorporating its latest findings about the factors affecting chain geometry and assembly techniques on the chain's technical characteristics. The chains are developed in close cooperation with users and can be fabricated at various production sites.

The manufacturer's services include:

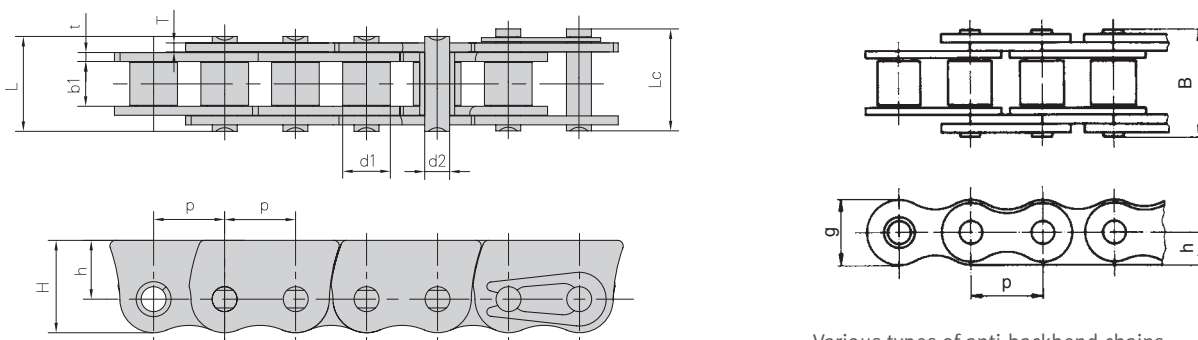
- wear analysis
- fatigue strength analysis
- fracture load analysis

Quality is ensured through in-house developed test methods and equipment.



Ref. no. iwis	Pitch	Roller diameter	Width between inner plates	Pin diameter	Pin length		Plate dimension			min. tensile strength	Weight per meter
	P	di max	b1 min	d2 max	L max	Lc max	H max	h	t/T max	Q1 min	q
	mm	mm	mm	mm	mm	mm	mm	mm		kN	kg/m
JAVIS M 128 ARS ¹	19,05	11,9	12,6	5,96	30,0	31,4	18,0	9,0	2,4	norm 38,8 / iwis 42,0	1,96
EUROCHAIN 08AF6	12,7	7,92	7,9	3,98	17,15	19,2	17,1	11,0	1,5	13,8	1,02
uh 415BF4	12,7	7,75	4,88	4,09	16,4	17,8	17,0	11,0	1,3/3,1	12,0	1,07
uh 08BSSF26 ²	12,7	8,51	7,75	4,45	16,7	18,2	16,5	10,5	1,6	12,0	1,06

¹ The principal dimensions correspond to DIN 8188. Smallest chain wheel: 10 teeth
² Stainless steel



Various types of anti-backbend chains

