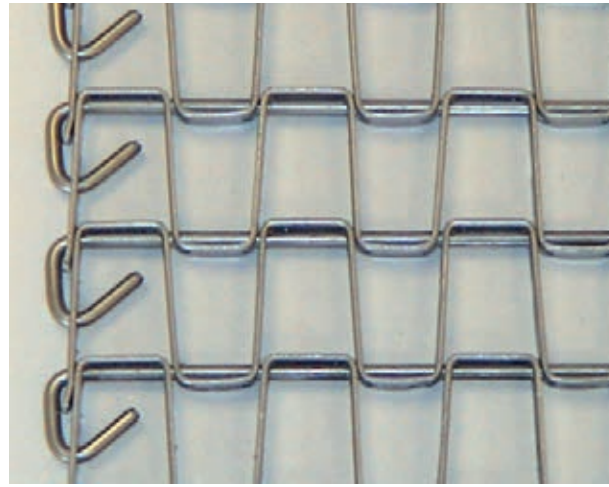


**HO-KK** honey comb belt with welded edges



**HO-ZK** honey comb belt with clinged edges

The **HO** honey comb belt is a well known traditional conveyor belt. The belt has been designed for a great many straight applications, constructions and process conditions.

The **HO** honey comb belt is constructed of cross rods and a flat metal strip. At the sides of the belt the cross rods have a welded ring (welded edges). In a number of dimensions it is possible to give the sides of the belt a clinged edge. There are a number of predefined belt executions with different pitches and material dimensions. The belt can also be provided with side plates or flights. The belt width is determined by the belt specification and the number of odd spaces. The belt width can be chosen from ca. 50 mm until 3500 mm.

The **HO** honey comb belt is positively driven by sprockets, and can be used at conveyor speeds of less than 1 metre per minute to about 25 metres per minute, which are considered normal speeds. Speeds above 25 metres per minute are considered to be high speeds and can affect the life of the belt. The construction of the conveyor system and the process conditions are also important considerations.

**HO** honey comb belts are used in production processes with temperatures of -30°C up to +400°C in food and other industries.

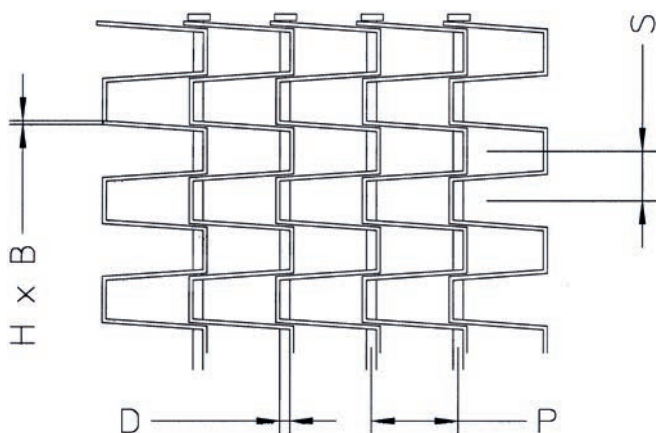
The **HO** honey comb belt needs minimal maintenance and will have a working life of many years, if used well. The belt is standard made of steel, galvanised steel, stainless steel AISI 304 and AISI 316.

**HO** honey comb belts are used in, for example:

-cooling systems  
-washing systems

-drying systems  
-sorting systems

- bread production systems  
-product handling systems

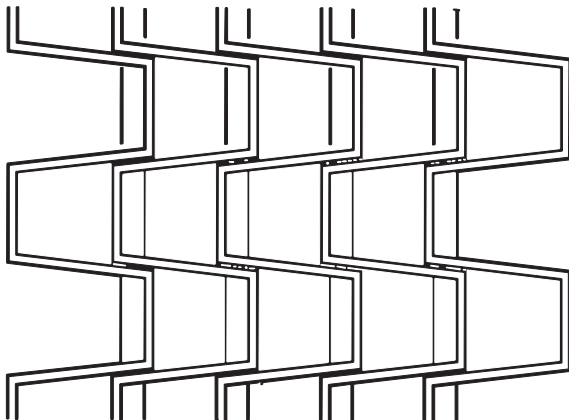


The standard **HO** honey comb belt with welded edges (**KK**) can be executed with the following main dimensions:

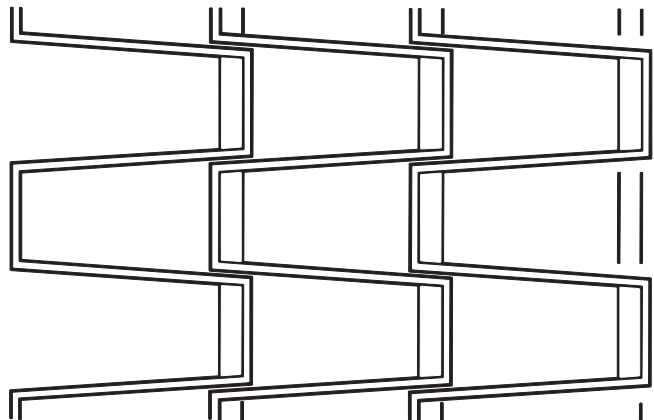
	(S) Pitch in the width (mm)	(P) Pitch in the length (mm)	/	(H x B) Flat strip dimensions	D Cross rod diameter	Weight (kg/m <sup>2</sup> )	American/English look-a-likes typing
HO-KK	14	13,7	/	9,5x1,2	3	15	1/2" x 1/2"
HO-KK	15	26,3	/	9,5x1,2	3	11	1/2" x 1"
HO-KK	17,8	26,9	/	12,5x1,5	5	18	
HO-KK	22	30	/	12,5x1,5	5	15	1" x 1"
HO-KK	32	50	/	12,5x1,5	5	10	

The **HO** honey comb belt with clinged edges (**ZK**) can be executed with the following main dimensions:

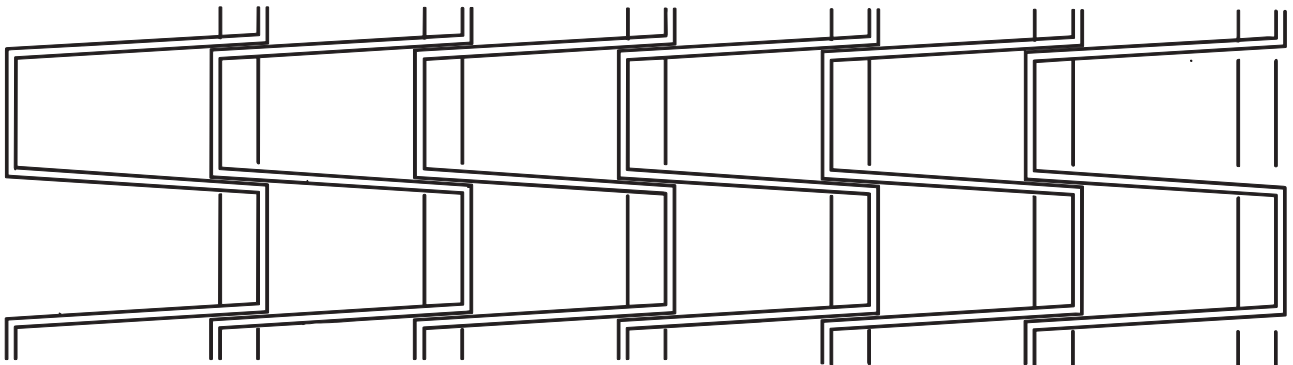
	(S) Pitch in the width (mm)	(P) Pitch in the length (mm)	/	(H x B) Flat strip dimensions	D Cross rod diameter	Weight (kg/m <sup>2</sup> )
HO-ZK	16	26,3	/	9,5x1,2	3	11
HO-ZK	24	30	/	12,5x1,5	5	15



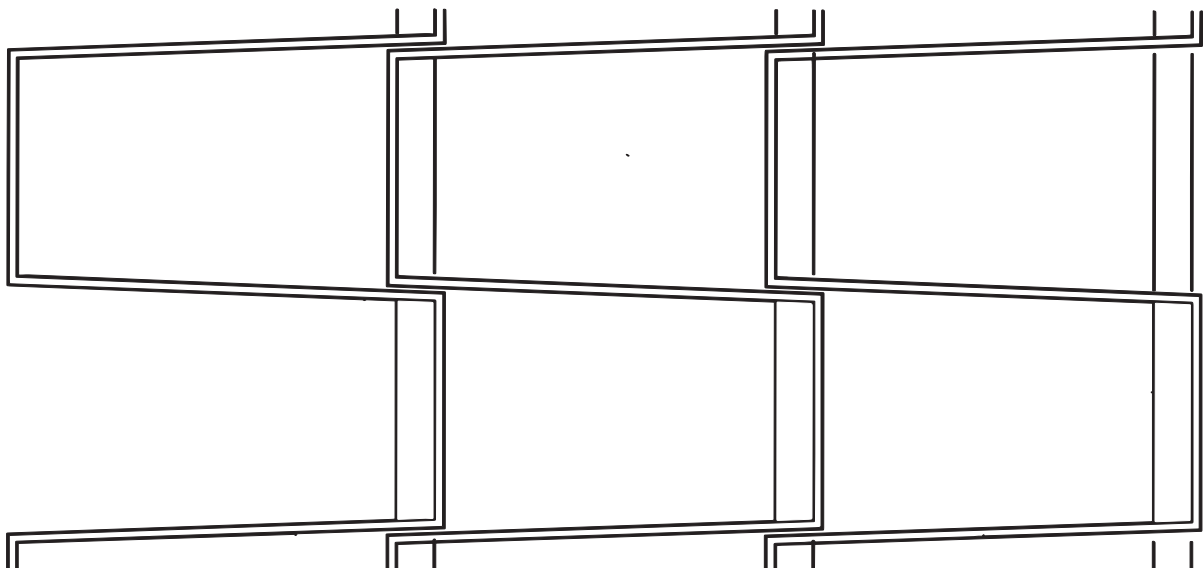
HO-KK 14-13,7 / 9,5 x1,2 - 3



HO-KK 15-26,3 / 9,5 x1,2 - 3



HO-KK 17,8-26,9 / 12,5 x1,5 - 5



HO-KK 32-50 / 12,5 x1,5 - 5



A **HO** honey comb belt in a straight conveyor system is positively driven. Toothed sprockets prevent the belt from slipping. Sprockets can be executed in steel, stainless steel and plastic. The number of teeth (diameter) is free to choose.

It is to be advised to mount the sprockets every 150 mm on the driving and returning shaft.

Consequently, there is no need to have the belt set up with a certain tension. In normal use, a reverse shaft adjustable in the belt's running direction is enough to handle a possible elongation of the belt in the course of time. In case of longer belts a special section has to be installed to effect elongation of the belt (due to different temperatures and product load).

The driving gear must be positioned in such a way that the loaded part, usually the upper part, is pulled off the belt. A pushing driving gear must be avoided. Supporting the upper part usually is effected by wearing profiles attached lengthways or in fishbone execution underneath the belt. Subject to the production process, synthetic materials such as PA, POM, HMPE, is advisable to support the belt. The support profiles are placed at distances of about 150 to 300 mm, depending on the belt's load, belt weight and production process. The returning part of the belt can be supported by rollers instead of strips

