



HEKO central chains for bucket elevators Type HBE

The high chain speed utilised in central chain bucket elevators generates high dynamic loads. HEKO therefore designs and manufactures the chain and accessories to the highest fatigue strength, breaking load and wear resistance, thus resulting in optimal service life.

In dependence on the workload, HEKO central chains for bucket elevators type HBE will be manufactured in two executions:

- Central chains with integrated bucket holder
- Central chains with separate bucket holder

... with integrated bucket holder

HEKO chains with integral bucket holders are manufactured from fine-grained sheet steel. Bucket holders are bent to form an angle so that the buckets can be bolted to the chain. A precision bending press is used to ensure maintaining close dimensional tolerances.

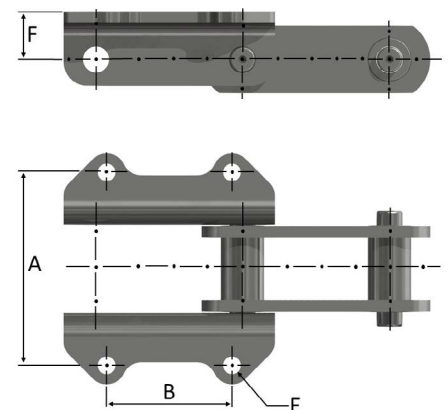


Technical specifications

Type	pitch	dimensions (mm)		breaking load (kN)
		inner width	bush-Ø	
HBE 1	140.0	50	38	450
HBE 2	152.4	65	45	540

Connecting dimensions

Type	dimensions (mm)			
	A	B	E	F
HBE 1	140	100	14	42.5
HBE 2	200	130	18	50.0





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... with separate bucket holder

HEKO's central bucket elevator chain with separate bucket holders are fitted with forged holders which are bushed onto the extended pins. Both, the pins and bores are induction hardened. Depending on chain size, a gap of up to 1.5 mm is left between the chain link and bucket holder. This considerably reduces the transmission of vibration to the chain, the latter resulting from the polygon effect when the chains enter the chain wheel. Decoupling the bucket from the chain prevents cracks arising in the back of the buckets and weld seams.

In dependence on the workload, HEKO central chains with separate bucket holder will be manufactured in two executions:

- Central chains with sheet steel
- Central chains with forged links and labyrinth gasket seal



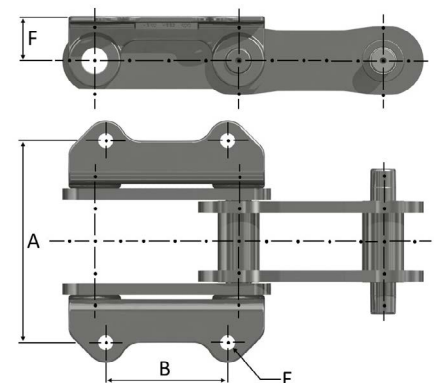
... with sheet steel

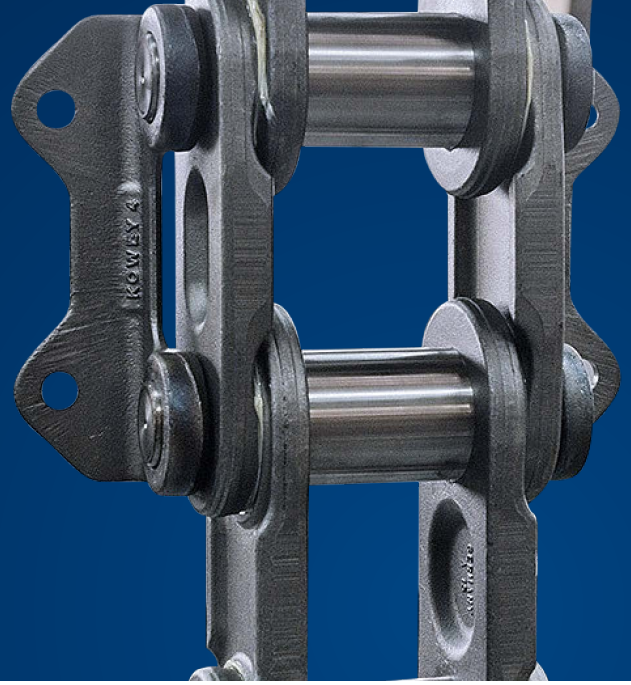
Technical specifications

Type	pitch	dimensions (mm)		breaking load (kN)
		inner width	bush -Ø	
HBE 3	177.8	70	52	950

Connecting dimensions

Type	dimensions (mm)			
	A	B	E	F
HBE 3	250	150	18	55

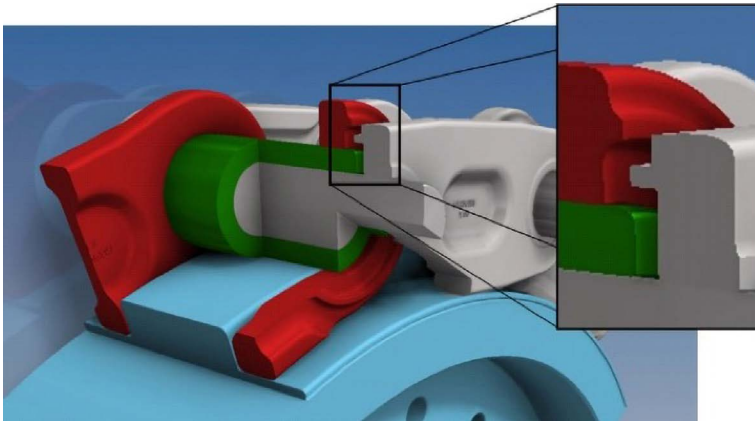




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... with forged links and labyrinth gasket seal

For applications with high operating loads and particularly abrasive material, HEKO offers central chains with forged link plates and labyrinth gasket seal. The forged link plate enables higher breaking loads and a suitable plate design. The labyrinth seal is placed between an inner and outer plate. Filled with grease it is a perfect seal of the chain link.



Technical specifications

Type	pitch	dimensions (mm)			breaking load (kN)
		inner width	bush-Ø		
HBE 4	177.8	70	58		1250
HBE 5	177.8	85	63		1600
HBE 6	177.8	95	71		1950

Connecting dimensions

Type	dimensions (mm)			
	A	B	E	F
HBE 4	250	150	18	60
HBE 5	300	150	18	65
HBE 6	300	150	18	70

