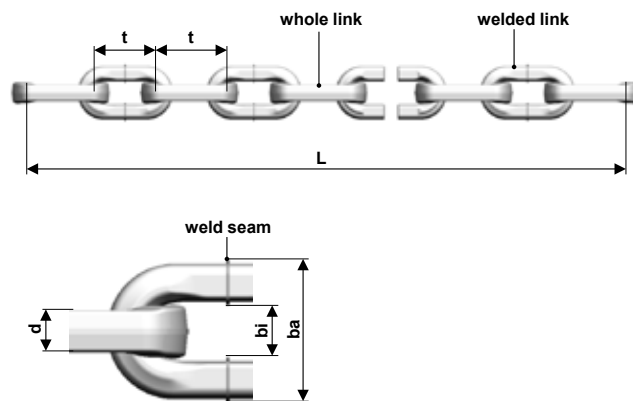


## pewag hero friction-welded chain.

pewag hero – chains are made from CrNiMo-special alloyed steel and are suitable for high-capacity bucket elevators and scraper conveyors with high dynamic and static loads. The combination of increased wear volume and reduced surface pressure results in a significant increase of the chain life of approx. 30%.

The pewag hero chain fits on conventional wheels and sprockets. Pairing is not required due the high manufacturing precision.



Surface finish: blank, shot peened, waxed

Chain d x t [mm]	bi min [mm] welded link on the weld	ba max [mm] welded link on the weld	Weight [kg/m]	Chain length [links]	L chain length [mm]	PF proof load [kN]	BF breaking load [kN]
22x86	28.3	73.5	9.90	239	20554	182	304
26x100	33.5	85.5	14.20	167	16700	255	425
30x120	38.7	99.3	18.69	95	11400	340	566
34x136	43.5	112.7	23.70	71	9656	425	710
38x144	48.4	129.0	30.00	59	8496	545	910

### Technical data

Chain length L production tolerance = +0.3 / -0.15 % = 0.45 % total; this means that the difference between chain lengths of 10 m is max. 45 mm.  
Chain length production tolerance Δ S of matched chain lengths is 0.05 % or max. 3 mm for two or multiple chain strand conveyors.

### Example of the order

16 pcs. pewag hero 22x 86 6580 G80 E BK L= 239 links = 20.554 mm supplied as matched pairs.

<b>Material</b>	<b>CrNiMo, alloy steel</b>
Breaking stress [N/mm <sup>2</sup> ]	400
Proof stress [N/mm <sup>2</sup> ]	240
Breaking elongation approx. [%]	2
Surface hardness [HV 10] <sup>1)</sup> / inner link curve	min. 800
Core hardness [HV]	ca. 550
Surface	blank, shot peened, waxed
Marking	batch number on the forgings
Chain length production tolerance	0.05% for matched chains, double and multiple chain strand conveyors
Chain length "L" production tolerance	+0.30 / -0.15 % = 0.45 %
Remark	manufactured of forgings in friction welding process

<sup>1)</sup> Proof/Breaking load tolerance -10% permissible depending on the batches.

pewag hero friction welded chain

## pewag hero accessories & components.

Most of the pewag accessories are compatible with pewag hero. However, some accessories are designed specifically for use with pewag hero to ensure optimal performance. For details, see the pewag hero compatibility matrix.

### V-hero connecting links

For individual chain lengths of pewag hero chains. The connecting links have the same technological characteristics as the corresponding highly wear-resistant chain. Ensure that the connecting links are assembled and installed according to the instructions. These connecting links are mounted as vertical links in bucket elevators with back mounted buckets. For positive discharge bucket elevators, the connecting links have to be installed as horizontal links.



V-hero, surface finish: shotblasted and waxed

### K-hero chain couplings

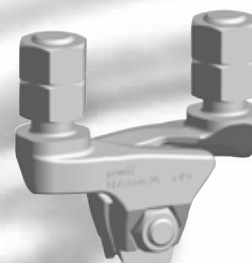
Chain coupling for individual chain lengths of pewag hero chain. The chain couplings have the same technological characteristics as the corresponding highly wear-resistant chain. Ensure that the couplings are assembled and installed according to the instructions included in the packaging. These couplings can only be mounted as vertical links. Run as vertical links over sprockets, plain and grooved wheels.



K-hero, surface finish: shotblasted and waxed

### BDS-hero bucket attachments

Bucket attachment suitable for pewag hero chains with chain sprockets RHV and plain segmented chain wheels, suitable for back mounted buckets, simple assembly and disassembly on the chain, pre-assembled bucket attachment BDS-S ready for the installation on the chain, no additional connecting screw – self locking or as usual BDS – halves with connecting bolt and safety nut. Two identical halves, completely forged (including the bolts) and heat-treated. The same buckets and chain wheels can usually be used. Higher service safety because the BDS attachment doesn't have to transmit any chain pull. No wear part – can be reused.



BDS-hero, surface finish: natural black and waxed

### BDD-S-hero bucket attachments

Bucket attachment suitable for pewag hero chains with chain sprockets RHV and plain segmented chain wheels, suitable for back mounted buckets, simple assembly and disassembly on the chain, pre-assembled bucket attachment BDD-S ready for the installation on the chain, no additional connecting screw – self locking, two identical halves, completely forged (including the bolts) and highly wear-resistant and hardened at the chain contact areas. Mounting dimensions of the BDD-S attachment correspond to the standard shackles, existing chain end and shackle system can be converted. The same buckets and chain wheels can usually be used. Higher service safety because the BDD-S attachment doesn't have to transmit any chain pull.



BDD-S-hero, surface finish: natural black and waxed

## pewag hero compatibility matrix.

The table below shows the compatibility of accessories and attachments with the pewag hero chain.

✓ ..... compatible  
 ✗ ..... not compatible



hero chains	BDD-S hero	BDS hero	K-hero	V-hero
22x86	✓	✓	✓	✓
26x100	✓	✓	✓	✓
30x120	✓	✓	✓	✓
34x136	✓	✓	✓	✓
38x144	✗	✗	✓	✗

RHV-drive wheel	IR-drive wheel	SEG, SES - tail wheel	TR-pocket <sup>1)</sup> wheel	KR-pocket <sup>1)</sup> wheel	ULR, ULS, UK, UL wheel	BR, SR, SUR-wheel	UHV - wheel
✓	✓	✓	✗	✗	✓	✓	✓
✓	✓	✓	✗	✗	✓	✓	✓
✓	✓	✓	✗	✗	✓	✓	✓
✓	✓	✓	✗	✗	✓	✓	✓
✓	✓	✓	✗	✗	✓	✓	✓

hero chains	BHV	SDS <sup>2)</sup> SDD	FDD	FDB	KFB	KBE-I <sup>2)</sup> KBE-A	ST	KE-I <sup>2)</sup> KE-A	U <sup>2)</sup>	VHV	KHV	BDS	BDD-S
22x86	✓	✗	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗
26x100	✓	✗	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗
30x120	✓	✗	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗
34x136	✓	✗	✓	✓	✓	✗	✓	✗	✗	✗	✗	✗	✗
38x144	✓	✗	✓	✗	✓	✗	✓	✗	✗	✗	✗	✗	✗

1) in development  
 2) available on request

