

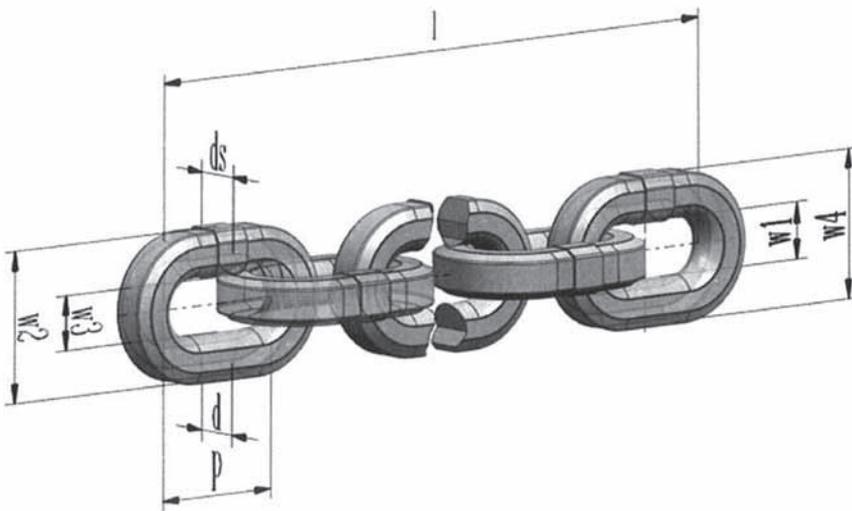


# Instruction manual

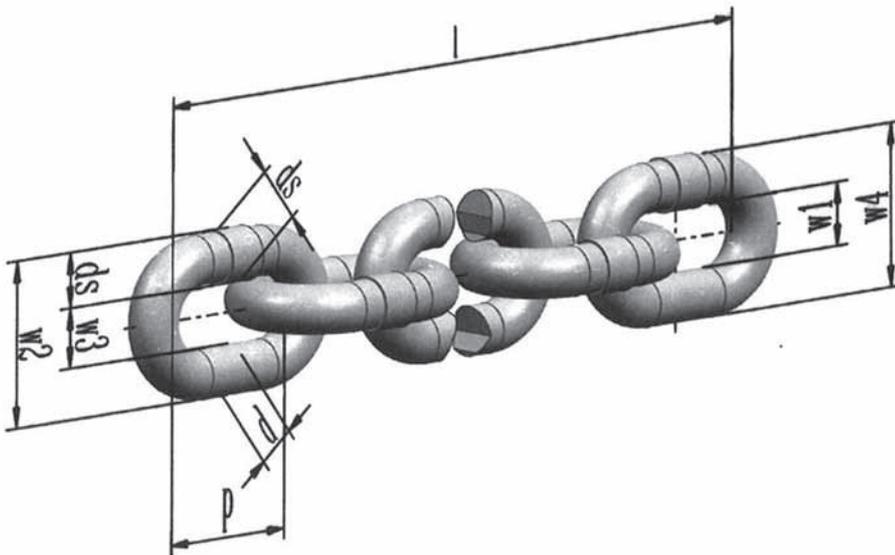
## pewag Hoist chains

Type: HE-G80-RAS, -RDS, -RD, -G80K,  
HEO-G80, -G100, -G50K

Design: Profil Steel and Round Steel Chains



Design: Profil Steel chain



Design: Round steel chain

# 1. Notes on safety

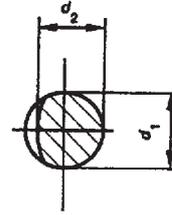
## Hoist chains:

- should not be used as sling chains (choke hitch, basket hitch, wrap and tie of loads) and to assemble sling chains
- should not be used either immersed in acid and caustic solutions or exposed to acid and caustic fumes
- should not be heat treated, galvanized or subjected to any other plating processes without the approval of the manufacturer
- should only be used in pocket wheels, which are accurately designed to suit the hoist chain
- should only be used in a chain drive together with a chain guidance, which is guiding the chain smoothly and without twist into and out of the pocket wheels
- should only be used in following temperature ranges:

pewag chain type	Upper Temperature Limit	Lower Temperature Limit	Standard
HE-G80 RAS, -G80 RDS, -G80K	200°C	-20°C	EN 818,7 ISO 3077 - Type DAT
HE-G80 RD	200°C	-10°C	EN 818,7 ISO 3077 - Type DT
HEO-G100	200°C	-40°C	EN 818,7 ISO 3077 - Type T
HEO-G80	200°C	-40°C	EN 818,7 ISO 3077 - Type T
HEO-WN B-MN G100	150°C	-10°C	ISO 16872 - Type VH JIS B8812 - Type V
HEO-WN B-MN G80	200°C	-10°C	ISO 16877 - Type TH JIS B8812 - Type T
Stainless HEO-G50K	200°C	no lower limit	pewag standard - Type P K

- should not be twisted or turned under load
  - should not be loaded above dynamic load limit according to EN 818,7 and ISO 3077, Table B.1
  - should not be connected with any connecting elements (chain connecting links, bolts etc.) or by knots or by welding
  - should not be exposed to any deposits and impurities, which cannot be removed from the chain
  - are to be replaced at any damaging by nicks, gauges, cracks, distortions and severe corrosion
  - are to be replaced, if the gouge length exceeds the wear limit according to standard ISO 7592
- Wear limit of the gauge length:**
- 2% if power driven,
  - 3% if manually operated,
  - measured over 5, 7, 9 or 11 chain pitches

- are to be replaced at undercut of the mean diameter  $d_m$  of more than 10% at any position of the chain link  
 $\{d_m = (d_1 + d_2)/2 \leq 0,9 \cdot d_n\}$
- $d_n$  ..... nominal chain diameter



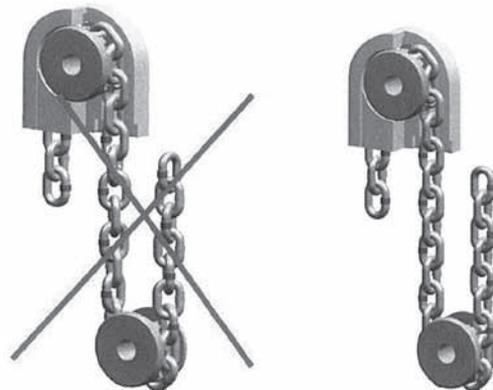
- should not be deformed by the connecting parts of the hoist. The chain connecting parts shall be designed so as to permit at least 5% free movement relative to the inside width of the chain link
- in addition to above mentioned notes of safety item 9 of EN-standard 818-7 (Instruction for use) is mandatory!

## 2. Installation instruction

- Any connecting clamps, quality grade tags and marking tags must be removed from the chain before mounting in the hoist!
- We advise to mount the vertical chain links with the welded seams pointing inward into the hoist's driving wheel (Fig 1):



- On hoists with two chain falls or more than two chain falls, you have to take care not to mount the chain in twisted position:



### 3. EC – Declaration of conformity

as defined by EC directive 2006/42/EG, Annex II A

We,

**pewag austria GmbH, A-8605 Kapfenberg,**

declare herewith that the product

**pewag hoist chain, type round steel- and profile steel chain**

complies with the following provisions:

EC machinery directive 2006/42/EC

#### Applied harmonized standards:

EN 818,1 Short link chain for lifting purposes - Safety – Part 1:  
General conditions of acceptance  
EN 818,7 Short link chain for lifting purposes – Safety – Part 7:  
Fine tolerance hoist chain, Grade T (Types T, DAT and DT)

#### Applied standards:

ISO 3077 Short-link chain for lifting purposes Grade T,  
(types T, DAT and DT), fine-tolerance hoist chain  
ISO 16872 Short-link chains for lifting purposes Grade VH,  
fine-tolerance for manually operated chain hoists  
ISO 16877 Short-link chains for lifting purposes Grade TH,  
fine-tolerance for manually operated chain hoists  
ISO 7592 Calibrated round steel link lifting chains -  
Guidelines to proper use and maintenance  
JIS B8812 Link chain for chain hoists Japanese Industrial  
Standard

Kapfenberg, 1. 1. 2013

**pewag austria GmbH**  
D.I. MAG. Ägyd Pengg  
Managing director

### 4. EC – Declaration of incorporation



as defined by EC directive 2006/42/EG, Annex II B

We,

**pewag austria GmbH, A-8605 Kapfenberg**

declare herewith that the putting into service of the product

**pewag hoist chain, type round steel- and profile steel chain**

intended to be incorporated into machinery, is prohibited until  
the machinery into which it is to be incorporated has been  
declared that it complies with the following provisions:

EC machinery directive 2006/42/EC

#### Applied harmonized standards:

EN 818,1 Short link chain for lifting purposes - Safety – Part 1:  
General conditions of acceptance  
EN 818,7 Short link chain for lifting purposes – Safety – Part 7:  
Fine tolerance hoist chain, Grade T (Types T, DAT and DT)

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Kapfenberg, 1. 1. 2013

**pewag austria GmbH**  
D.I. MAG. Ägyd Pengg  
Managing director

# EC – Declaration of conformity

as defined by EC directive 2006/42/EG, Annex II A

We,

**pewag austria GmbH, A-8605 Kapfenberg**

declare herewith that the product

**pewag hoist chain, type round steel- and profile steel chain**

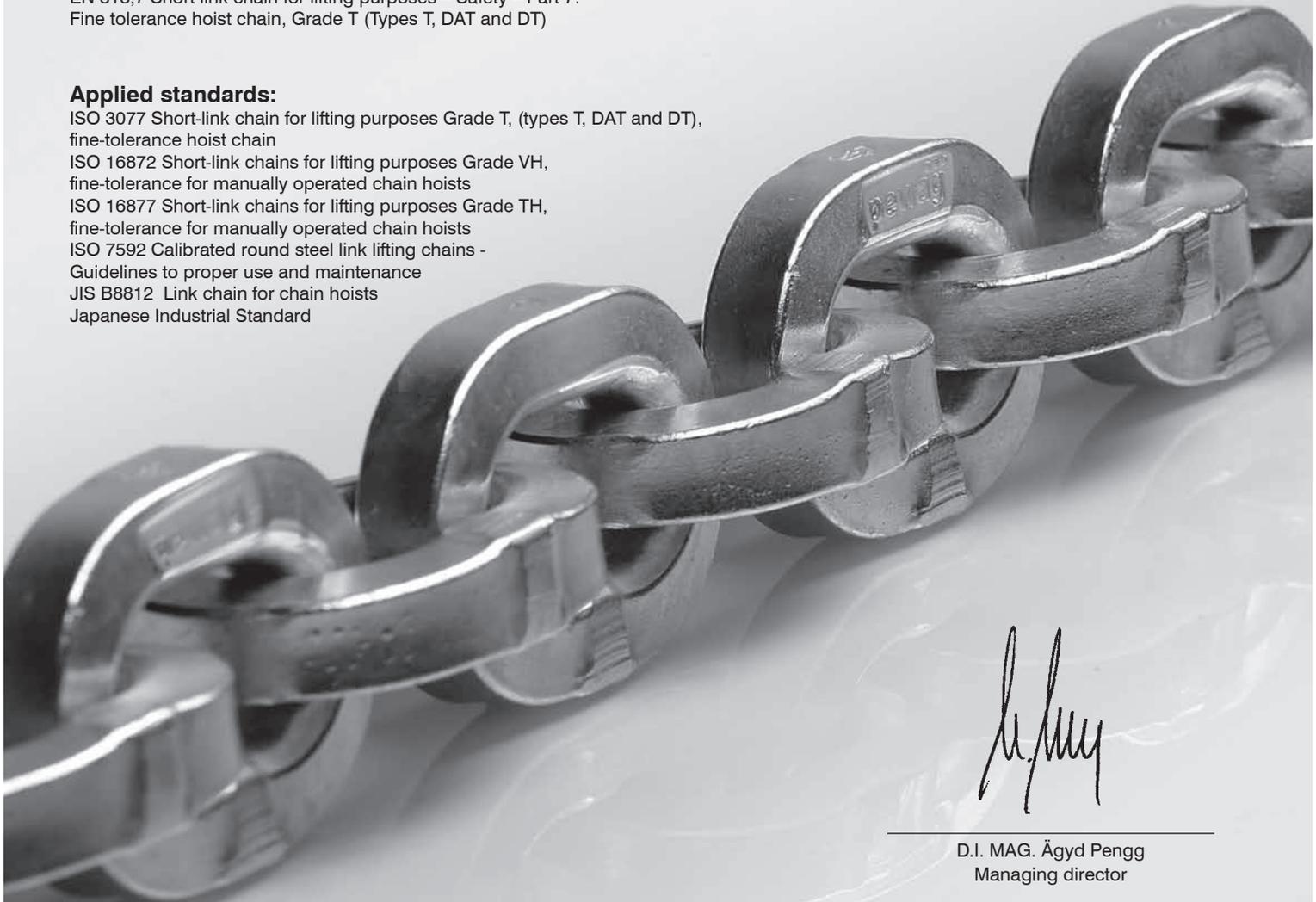
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