

# Pump chains correct application with pewag Check 7

Important notes on the correct handling and use of pump chains



# pewag winner inox G6 PLUS

**Pump chains are used as lifting devices, similar other lifting products. Therefore they have to meet the relevant regulations and the European Machinery Directive.**

## In Practice

A long service life and load-bearing capacity of pump chains can only be fully exhausted when they are correctly and safely used. On the contrary, practice differs widely. Quite often the necessary training courses are missing or simply objective or practical information. Ignorance of the legal obligations can lead to improper and incorrect use. But what are the key factors and what should the user or the safety representative take into consideration?

## pewag Check 7

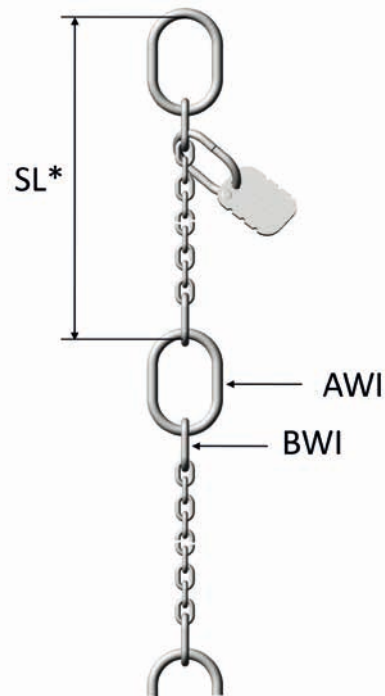
To quickly and effectively recognise at first glance whether or not the correct pump chain has been chosen and it is used safely and responsibly, pewag Check 7 has been developed to help you:

### Using pewag Check 7 make sure that,...

1. A standard-compliant lifting identification tag is present
2. only chains specifically for lifting of loads are used – chain pitch (t) = 3 x nominal diameter (dn). Long-link chains or anchor chains should not be used
3. The master link is oval (round rings are not permitted) and meets the standardised size
4. Neither does the chain bear any signs of deformation or elongation of the links nor show any signs of corrosion (e.g. rust)

5. The chain, the master and welded links have been marked in compliance with norms
6. Each individual chain has been put through stress tests and a test certificate is available
7. Annual inspections carried out

**Note:** The interval and the value of the load test may vary due to national regulations.



Type	WLL	Master link	Dimensions	Transition link	Dimensions	Chain type	Length of master and end links	Weight SL*	Appropriately shackle / typ	Shackle jaw space b
[mm]	[kg]		[mm]		[mm]		[mm]	[kg]		[mm]
PCWI 4 /200	200	AWI 6	6x60x35	-	-	WOX 4x12-5	60	0.39	SSWI 0.50 t	18
PCWI 4 /320	320	AWI 6	6x60x35	-	-	WOX 4x12-5	60	0.39	SSWI 0.50 t	18
PCWI 4 /400	400	AWI 8	8x60x35	BWI 5	5x26x13	WOX 4x12	60	0.43	SSWI 0.50 t	18
PCWI 5 /560	560	AWI 8	8x60x35	BWI 7	7x36x16	WOX 5x15	60	0.62	SSWI 1.25 t	25
PCWI 5 /630	630	AWI 10	10x80x50	BWI 7	7x36x16	WOX 5x15	80	0.68	SSWI 1.25 t	25
PCWI 6	850	AWI 10	10x80x50	BWI 7	7x36x16	WOX 6x18	80	0.90	SSWI 1.25 t	25
PCWI 7	1,250	AWI 13	13x110x60	BWI 9	9x44x20	WOX 7x21	110	1.35	SSWI 1.25 t	25
PCWI 8	1,600	AWI 13	13x110x60	BWI 10	10x44x20	WOX 8x24	110	1.70	SSWI 2 t	32
PCWI 10	2,500	AWI 16	16x110x60	BWI 13	13x54x25	WOX 10x30	110	2.60	SSWI 3.20 t	41
PCWI 13	3,500	AWI 18	18x135x75	BWI 16	17x70x34	WOX 13x39	135	4.50	SSWI 5 t	56
PCWI 16	6,300	AWI 22	23x160x90	BWI 20	20x85x40	WOX 16x48	160	8.00	SSWI 5 t <sup>1)</sup>	56
PCWI 20**	8,000	AWI 26	27x180x100	BWI 22	23x115x50	WOX 20x60	180	21.00	SSWI 26-C 13 t	76
PCWI 26**	12,000	AWI 45	45x340x180	BWI 32	32x150x70	WOX 26x78	340	43.20	SSWI 26-C 13 t	76

All pumps chain also available in 100 m bunches.

<sup>1)</sup> WLL reduction WOX 16-6 - SSWI 5 t. On request also stronger shackles available.

For exact number of chain links and further shackle dimensions see pewag winner inox G6 plus catalogue and/or respective operating manual.

\* SL consisting of 1 x AWI, 2 x BWI, WOX chain in standard length. PCWI 4/200 and PCWI4/320 manufactured without transition links BWI.

\*\* Made to order.

# pewag winner inox G6 PLUS

## Avoidable risks

Improper use can often lead to damages or even the destruction of the pump or parts of the system. Through this not only do unnecessary risks occur, but also additional costs once the pump comes to a standstill and the system breaks down. In the worst case, severe personal injury can be expected; often these problems lead to issues with insurances.

## What to do?

Making an informed choice and then correctly and responsibly using a pump chain saves not only money but also potential disputes with insurance companies. There are three possibilities for the future that are aimed with your individual needs in terms of internal capacity and resources in mind:

1. Completely subcontracting (Selection and Inspection)
2. Choosing a person responsible and training him in Check 7
3. Have two competent and qualified people complete professional examination/training

Independently of the possibility you decide to follow, it is sensible to nurture and uphold long-term relationships with the manufacturers, training or service companies.

## As a specialist pewag offers:

Consulting, trainings, supervision, ongoing support for questions or changes, technical information, purchasing recommendations. Learn more about our top products by contacting us today. We will be delighted to advise you!

### Check 7

- 1. Lifting identification tag
- 2. Chains for lifting
- 3. Master link is oval
- 4. No deformation, rust
- 5. Stamping is available
- 6. Test certificate is available
- 7. Inspections have been carried out



FO/16/00265 9



www.pewag.com

**pewag austria GmbH**

Gaslaternenweg 4, 8041 Graz, Tel.: +43 316 6070-0, Fax +43 316 6070-100, saleinfo@pewag.com

**pewag Deutschland GmbH**

Otto-Brenner-Straße 4, 59425 Unna, Phone: +49 2303 98 1 31-86, Fax: +49 2303 98 1 31-30, info@pewag.de

