



IMPORTANT NOTES

ON THE CORRECT
HANDLING AND USE
OF PUMP CHAINS



LiftingPlus
Hijzen met visie

Samen voor kwaliteit!



van den Berg Bros
Takeltechniek

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?

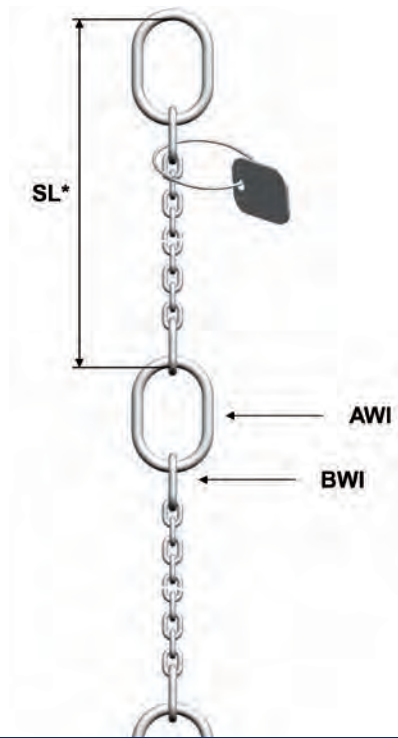
pewag Check 7

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



Type [mm]	WLL [kg]	Master link	Dimensions AWI [mm]	Transition link	Dimensions BWI [mm]	Chain type	SL* Number of links	Segment length SL* [mm]	Length of master links/end links [mm]	Weight SL* [kg]
PCWI 4/200	200	AWI 6	6x60x35			WOX 4x12-5	121	1,512	60	0.62
PCWI 4/400	400	AWI 8	8x60x35	BWI 5	5x26x13	WOX 4x12	117	1,516	60	0.66
PCWI 5/560	560	AWI 8	8x60x35	BWI 7	7x36x16	WOX 5x15	91	1,524	60	0.98
PCWI 5/630	630	AWI 10	10x80x50	BWI 7	7x36x16	WOX 5x15	89	1,514	80	1.04
PCWI 6	850	AWI 10	10x80x50	BWI 7	7x36x16	WOX 6x18	75	1,502	80	1.42
PCWI 7	1,250	AWI 13	13x110x60	BWI 9	9x44x20	WOX 7x21	63	1,521	110	2.05
PCWI 8	1,600	AWI 13	13x110x60	BWI 10	10x44x20	WOX 8x24	55	1,518	110	2.54
PCWI 10	2,500	AWI 16	16x110x60	BWI 13	13x54x25	WOX 10x30	43	1,508	110	4.00
PCWI 13	3,500	AWI 18	18x135x75	BWI 16	17x70x34	WOX 13x39	33	1,562	135	6.73
PCWI 16	6,300	AWI 22	23x160x90	BWI 20	20x85x40	WOX 16x48	25	1,530	160	10.11
PCWI 20**	8,000	AWI 26	27x180x100	BWI 22	23x115x50	WOX 20x60	27	2,030	180	21.00
PCWI 26**	12,000	AWI 45	45x340x180	BWI 32	32x150x70	WOX 26x78	19	2,122	340	43.20

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

** made to order.

All dimensions given in this catalog are nominal dimensions. Depending on the manufacturing process they are subject to various manufacturing tolerances. Please contact our customer service if required.

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

The diagram includes the following visual elements:

- 1:** A circular icon showing a grey identification tag with the 'pewag INOX winner' logo and fields for 'Nr', '90°', '45°', and '60°'.
- 2:** A circular icon showing two chain links with dimensions 't' and 'dn' and the formula $t = 3 dn$.
- 3:** A circular icon showing two master links, one with a green checkmark and one with a red 'X'.
- 4:** A circular icon showing two master links, one with a green checkmark and one with a red 'X'.
- 5:** A circular icon showing a grey master link with the stamp 'PW G6'.
- 6:** A circular icon showing a test certificate with text in German, English, and French: 'Werkzeugnis nach EN 10204 2.2', 'Test report according to EN 10204 2.2', and 'Relevé de contrôle suivant EN 10204 2.2'.
- 7:** A circular icon showing a magnifying glass over a chain link.

Waar kunt u ons vinden?

Voor uw dichtstbijzijnde vestiging kunt u kijken op **samenvoorkwaliteit.nl**

Wij zijn 24/7 bereikbaar in geval van calamiteiten.



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