

# pewag G12/Grade 120 winner pro Features and Benefits

## Uniqueness. Safety. Sustainability.

### pewag is the first chain manufacturer worldwide to offer an innovative G12/Grade 120 chain system.

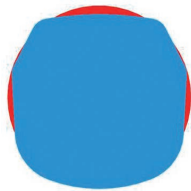
pewag is proud of its pioneering role when it comes to the production of lifting chains. The **pewag** name rests on outstanding quality features that are also the core element of our G12/Grade 120: Given the 50% increase in load capacity compared to standard Grade 80, the G12/Grade 120 range is significantly lighter, resulting in numerous advantages for routine lifting operations.

The specially developed chain profile leads to an improved bending resistance, which is particularly helpful when loading the chain over a corner.

#### • Your benefits at a glance:

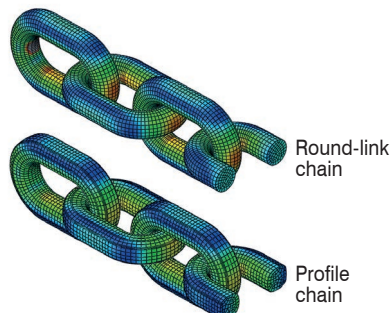
- **50% higher** load capacity compared to Grade 80
- **20% higher** load capacity compared to Grade 100

- **Intelligent profile:** Thanks to the intelligent use of material, the same cross-section achieves a significant improvement of the key characteristics of the chain, for instance fatigue resistance and bending resistance, compared to conventional round-steel chains. The use of material was optimized in key areas (blue sections) and reduced in less relevant areas (red sections) to achieve the best possible technical effects.



#### • Optimized bending resistance:

This crucial resistance factor that protects the chain from undesirable bending is up to 6% higher with the profile chain than with a round-link chain that has the same cross-section. This reduces the maximum tension in the chain (no red sections).



Load Capacity (lb)	Grade 80		Grade 100		Grade 120		Max. % of Chain Weight Reduction
	Req. Chain Size	Chain Weight (lb/ft)	Req. Chain Size	Chain Weight (lb/ft)	Req. Chain Size	Chain Weight (lb/ft)	
5,000	3/8"	1.48	5/16"	1.06	9/32"	0.91	39%
10,000	1/2"	2.55	1/2"	2.80	3/8"	1.81	35%
16,000	5/8"	3.83	5/8"	4.22	1/2"	3.23	24%
25,000	3/4"	5.78	3/4"	6.00	5/8"	4.82	20%

pewag alloy chains are tested to a 25% higher standard! pewag G12/Grade 120 meets the EN-818 Standard that pull tests to 2.5 times the WLL, whereas the US standards only require pull testing to 2 times the WLL.

- Highly efficient for many load ranges, as the size of the chain slings is reduced by one dimension compared to Grade 80 and Grade 100 chain slings.
- Optimized strength and toughness characteristics at high and low temperatures thanks to patented material
- pewag G12/Grade 120 defines the "Formula 1" of technical chains thanks to its weight-based performance.
- High stability and a low level of wear guarantee a longer life span.
- Innovative chain system that may be used for lifting or lashing; also suitable for many other applications thanks to its robust design.
- Complete traceability thanks to identification stamp on each chain link and component, enabling users to track the entire manufacturing process.
- Light blue powder coating on Series 300 chains and components, Series 200 chains are painted in light gray.
- Maximum safety thanks to innovative load capacity tag made from rust-resistant material and including safety warnings.

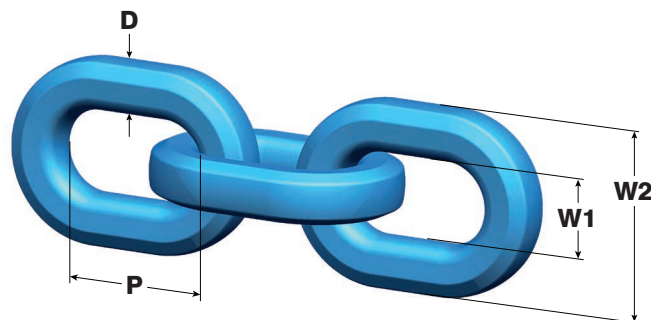
## winner pro 300 / G12/Grade 120 Lifting Chain

Highest quality G12/Grade 120 chain.  
Retains 100% of WLL at -76°F to 400°F / 60% of WLL at 400°F to 570°F.

**NOT** for temperatures under -76°F or over 570°F

Powder-coated light blue (PC/B)

Stamped pewag 12, 300, & Batch Code.



Code	Chain Size	WLL (lb)	Breaking Load (lb)	Nominal Thickness D	Pitch P (inch)	Inside Width min. W1 (inch)	Outside Width max. W2 (inch)	Drum Length (feet)	Weight (lbs/ft)
WINPRO 7 FLEX 300 (Formerly NI720)	9/32"	5,200	20,800	0.276" (7 mm)	0.87	0.39	1.02	800	0.91
WINPRO 8 FLEX 300 (Formerly NI820)	5/16"	6,600	26,550	0.315" (8 mm)	0.98	0.43	1.14	500	1.10
WINPRO 10 FLEX 300 (Formerly NI1020)	3/8"	10,600	42,400	0.394" (10 mm)	1.30	0.55	1.46	400	1.81
WINPRO 13 FLEX 300 (Formerly NI1320)	1/2"	17,900	71,600	0.512" (13 mm)	1.61	0.75	1.97	200	3.23
WINPRO 16 FLEX 300 (Formerly NI1620)	5/8"	27,500	110,000	0.630" (16 mm)	2.00	0.75	1.97	100	4.82

## winner pro 200 / G12/Grade 120 Lifting Chain

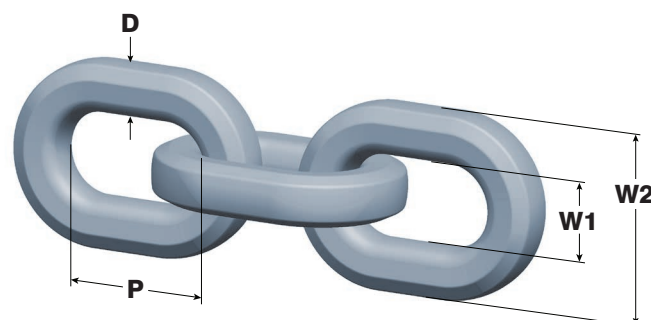
Highest quality grade 120 chain.

Retains 100% of WLL at -40°F to 400°F.

**NOT** for temperatures under -40°F or over 400°F

Painted gray

Stamped pewag 12, 200, & Batch Code.



Code	Chain Size	WLL (lb)	Breaking Load (lb)	Nominal Thickness D	Pitch P (inch)	Inside Width min. W1 (inch)	Outside Width max. W2 (inch)	Drum Length (feet)	Weight (lbs/ft)
WINPRO 7 FLEX 200 (Formerly NI720)	9/32"	5,200	20,800	0.276" (7 mm)	0.87	0.39	1.02	800	0.91
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