

Wire Clamp BG-100

IronGrip BG-100 – Secure fastenings for modern wire ropes

- Only 2 wire clamps needed per fastening – with older, more basic types of wire clamp, 3-7 wire clamps are required per fastening
- Adapted to modern wire ropes – today's standard wire ropes can carry loads up to 40% higher than a few decades ago. Modern wire ropes require modern wire clamps.
- Fully symmetrical and can be mounted in any direction – other clamps have to be mounted in the right direction, resulting in greater uncertainty and higher costs.
- Irrespective of whether the rope has a righthand or left-hand lay.
- Exhaustively tested by independent, accredited testing bodies.
- Full documentation from design data to quality assurance, traceability and mounting. instructions.



Modern wire ropes require modern wire clamps!

IronGrip's first wire clamp was launched in the middle of the 20th century, and soon became an industry standard within lifting. It was originally developed as a safer alternative to U-bolt wire fittings, which had previously been used for all types of wire rope fastening.

Even though the old wire clamp has worked well for decades, steel wires have been developed to become ever stronger and more specialised, with brand new properties. Today's wire ropes need new wire clamp

designs that match these properties.

The BG-100 is our new wire clamp, based on IronGrip's long experience and fundamental technology, which satisfies modern demands for durable wire ropes and simplified mounting. The BG-100 is the safest wire clamp on the market and is an excellent economic alternative thanks to the reduced number of wire clamps required per fastening, which then reduces mounting time, maintenance and space requirements.

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Technology

The development of the BG-100 is based on IronGrip's experience extending over more than 50 years, on state of the art tools to assist in analysis and design, as well as on meticulous practical testing. The fundamental principle is based on forcing the wire into an S-shape, which allows an increase in friction without any damage to the wire.

Materials

The materials have been chosen in consultation with leading technical experts in order to optimise the application of the material. Hot-dip galvanising of the castings ensures a long life, enabling the clamps to be re-used. Electrically galvanised standard bolts ensure more secure tightening, and if necessary they can be replaced with bolts with better corrosion properties.

Quality

The BG-100 is manufactured subject to IronGrip's stringent quality requirements in accordance with ISO-9001 standards.

Documentation

The design and testing are well documented. Traceability means that each wire clamp can be traced back to the time and place of manufacture.

Safety

The clamps ensure fastening of the wire to a degree of at least 90% in accordance with the current European standard for e.g. ferrules.

Economy

Thanks to the increased efficiency of each clamp, fewer clamps are required per fastening. This means both reduced material costs and cheaper installation. The clamps also take up less space on the wire.

Approved For Lifting

The wire clamps are tested by accredited bodies in accordance with EN 13411-3:2004 and are approved for general lifting applications up to strength class 1960 N/mm², with two wire clamps per fastening for all dimensions.

World Leader

The BG-100 is the most important new product for wire rope fastenings for several decades. No other wire clamps feature the same performance as the BG-100. It is protected by design patents.

Areas Of Use

Suitable for all types of lifting and fastenings, including lifts, cranes and suspended loads.



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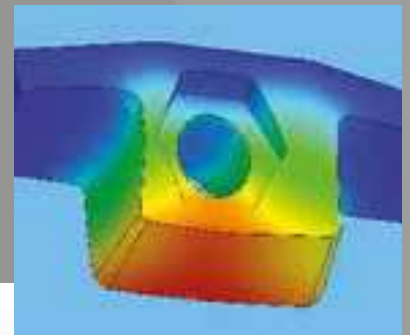
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Technical Information:

- Strength class for bolts: 8.8 in accordance with ISO 3506
- Rustproofing of castings: Hot-dip galvanisation in accordance with ISO 1461
- Rustproofing of bolts: Electrically galvanised in accordance with ISO 2081
- Temperature range for use: -50 - +250°C

Note:

- Follow the mounting instructions for the wire clamps. See the website or contact us.
- The teeth on each half of the clamp absorb small displacements in the clamp. If the teeth break, this is a sign that the displacements have become abnormally large. Replace the clamp immediately and ensure that the recommended tightening torque is followed.
- The above recommendations regarding load and number of wire clamps apply, provided that the wire rope is new and undamaged when the clamps are applied.
- The wire clamps should be tightened after a period of use.



XNIG1702

IronGrip Wire Clamps, BG-100, HDG

Part Code	Size (mm)	Weight (kg per 100)	Number of Clamps	Description
XNIG170206	5-6	19	2	5-6mm Dia. Wireclamp BG-600
XNIG170208	7-8	12	2	7-8mm Dia. Wireclamp BG-800
XNIG170210	9-10	20	2	9-10mm Dia. Wireclamp BG-1000
XNIG170212	11-12.5	39	2	11-12.5mm Dia. Wireclamp BG-1200
XNIG170216	13-16	72	2	13-16mm Dia. Wireclamp BG-1600
XNIG170220	17-20	120	2	17-20mm Dia. Wireclamp BG-2000
XNIG170225	21-25	280	2	21-25mm Dia. Wireclamp BG-2500
XNIG170234	26-34	770	2	26-34mm Dia. Wireclamp BG-3400

