

Articles covering the use of the "PGM" Test Mark

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1. Aim and Purpose of the "PGM" Test Mark

The "PGM" Test Mark is designed to assure users of drill bits bearing this mark are suitable to prepare boreholes for anchor joints, the makeup of which is subject to certified type approval. Details of the relevant requirements are outlined in the "DIBt" Document "Leaflet of the characteristic values, requirements and tests for drill bits with carbide cutting body which are used for the manufacture of drilled holes for anchoring" (Issue January 2002) as published by the Deutsches Institut für Bautechnik DIBt (German Institute for Construction Engineering).

2. Prerequisites for using the "PGM" Test Mark

2.1 The right to use the "PGM" Test Mark will only be awarded to manufacturers in possession of an adequate quality potential and if and when the drill bits produced by them successfully pass periodical quality verification tests. For details of the quality potential control and product quality verification procedures see "PGM" "*Directive covering the Performance of Certification and Control Procedures*" (Document 200).

2.2 The term "manufacturers" applies only and exclusively to those companies proving that all required steps and measures designed to ensure the product quality of drill bits by way of using their own production facilities.

2.3 It is important to understand that all inspections and tests, as may be performed by the "PGM", represent no more than supplementary and additional measures to complement the own responsibility of individual manufacturers to ensure their required product quality standards.

3. Terms and Conditions for Use of the "PGM" Test Mark

3.1 Manufacturers shall only use the "PGM" Test Mark for as long as they are entitled to such right (see 2.1 above). The right towards using the "PGM" Test Mark is subject to continuous participation in the control and/or verification test procedures, and/or for as long as no serious deficiencies are established during such procedures against the rules of the PGM, and/or for as long as all dues, as are set forth in the Schedule of Fees and Charges ("PGM" Document 500) are paid in time.

For details see "PGM" "*Directive covering the Performance of Certification and Control Procedures*" (Document 200).

3.2 The "PGM" Test Mark shall only be used to identify drill bits, the diameters of which are listed in the DIBt Leaflet.

The "PGM" Test Mark shall NOT be used with drill bits of other diameters, intermediate sizes included.

Comment: An additional marking with an Inch diameter is possible, if the tolerance fields according to the DIBt-Leaflet and according to ANSI B212.15-1994 are overlapping (e. g. for 6mm and 15/64") and if the drill bit meets both tolerances. This marking is in sole responsibility of the manufacturer.

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Drill bit packages shall only be identified by the "PGM" Test Mark if and when they contain rightfully marked items.

3.3 Drill bits shall only be qualified for "PGM" Test Mark identification if and when they originate from production facilities subjected to regular "PGM" control procedures.

A manufacturer qualified by PGM (A) may sell drill bits manufactured by another manufacturer qualified by PGM (B). These drill bits shall be marked with the trade mark or manufacturer code of the effective manufacturer (B).

The marking of these drill bits with the trade mark or manufacturer code of the selling manufacturer (A) is only possible after information of the PGM office. In this case, these drill bits shall be included in the Annual Inspections of the selling manufacturer (A).

3.4 The "PGM" Test Mark shall only be used on drill bits in combination with a registered trade mark of the manufacturer concerned or a manufacturer identification codes allocated by the "PGM".

The award of the "PGM" Test Mark is therefore combined with the allocation of three (3 each) serial numbers or combinations of letters per manufacturer. Manufacturers of hammer drill bits get serial numbers, manufacturers of rotary and impact drill bits get combinations of letters. Manufacturers of both kinds of drill bits may use their numbers and combination of letters for the hammer drill bits as well as for the rotary and impact drill bits.

The manufacturer identification codes together with the name of the manufacturer concerned, will be advised to the German Institute for Construction Engineering (DIBt). The "PGM" Head Office is not authorised to pass such manufacturer identification codes to any third party other than the "DIBt". To enable the PGM members and the public to monitor the right use of the Inspection Mark, the PGM office can publish a list of all valid identification codes without manufacturer names.

If and when drill bits are marked with a third party trade mark, not registered in the name of the manufacturer, such items shall be marked with a manufacturer identification code in addition to the third party trade mark.

3.5 If and when several manufacturers - duly qualified to use the "PGM" Test Mark - are using an identical trade mark, the drill bits concerned shall be clearly identified by way of additional characterising marks (e.g. numerals) so as to permit identification of the original manufacturer. These additional identification markings shall be decided upon in close co-ordination with the "PGM" who, in turn will advise the "DIBt" accordingly.

3.6 The use of the "PGM" Test Mark is subject to strict compliance with the dimensional drawing (FIG. 1). Enlargements and/or reduction in size shall always be true to scale.

- Drill bits with a shank diameter of >9 mm have to be marked with the inspection mark in the size given in fig. 1.
- Drill bits with shank diameters of ≤ 9 mm and > 6 mm may be marked with a true-to-size reduced mark having a width of ≥ 5 mm.
- Drill bits with a shank diameter of ≤ 6 mm may be marked with a true-to-size reduced mark having a width of ≥ 4 mm.

In case of stepped shanks with multiple diameters the largest diameter is relevant.

If and when the mark is to be embossed together with the manufacturer identification code and/or the trade mark, the numerals and/or letters shall have a height of at least 3 mm.

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3.7 The marking of drill bits shall be of such quality that the marking remains in readable condition throughout their expected service life. This will be assumed e. g. in the case of a marking by laser with a value of $R_{\min} > 25 \mu\text{m}$ of the marking.

3.8 The use of the "PGM" Test Mark for individual and/or co-operative advertising shall be subject to any special rules and regulations as may be set forth by the "PGM" Board in order to maintain and promote the integrity of competitive activities and to prevent wrongful use.

3.9 If and when the "PGM" Test Mark is used on any printed matter, packaging, etc., the suffix ® shall always be added.

3.10 It is a condition of use that the mark shall not be used in any printed advertisements or printed publicity matter directed primarily to the market in the United Kingdom, in the Isle of Man and in Singapore or in retail point of sale display cards distributed by the Registered Proprietor for use within the United Kingdom, in the Isle of Man and in Singapore without indicating that it is a Certification mark.

4. Punitive Measures against Violations

4.1 The following measures may be taken by the "PGM" Board in co-ordination with the Steering Committee in the event of wrongful use of the "PGM" Test Mark and/or of the relevant document of award and/or negative quality control test results, namely:

- a) to pass a formal warning,
- b) in case of recurrence, to impose a contractual penalty of up to € 2.500.- for the benefit of the "PGM",
- c) to order supplementary tests,
- d) to revoke the right to use the "PGM" Test Mark.

4.2 The party so involved shall be heard prior to taking any of the above punitive measures.

4.3 The Chairman of the "PGM" shall, upon consultation with the Chairman of the "PGM" Steering Committee, be entitled to effect the immediate revocation of the "PGM" Test Mark in pressing cases. This measure shall be confirmed by the "PGM" Board and "PGM" Steering Committee within thirty (30) days.

5. Protection of the "PGM" Test Mark

5.1 The "PGM" Test Mark is entered under No. 983389 in the Register of Trade Marks maintained by the German Patent Office.

5.2 The "PGM" Test Mark is entered under No. 44093 in the Register of Trade Marks maintained by the member countries of the "Madrid Trade Mark Convention" covering its international protection.

5.3 A listing of the countries in which the "PGM" Test Mark is covered by trademark rights - registered or applied for - is available to manufacturers, duly qualified to use the "PGM" Test Mark, upon request to the "PGM" Head Office.

5.4 All manufacturers, duly qualified to use the "PGM" Test Mark, are responsible to inform the "PGM" Head Office of any wrongful use of the "PGM" Test Mark on the market as soon as they become suspicious that this may be the case. The "PGM" Head Office will publish an annual report about such cases of wrongful use and the countermeasures taken.

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5.5 The "PGM" Head Office is responsible to:

- subject the users of the "PGM" Test Mark to the control procedures set forth in "PGM" Document 200 so as to ensure strict compliance with the characteristic values set forth in the "DIBt" Document (see 1. and 3.1 above),
- take countermeasures if and when the use of the "PGM" Test Mark is subject to any form of interference,
- take countermeasures if and when the "PGM" Test Mark is wrongfully used.

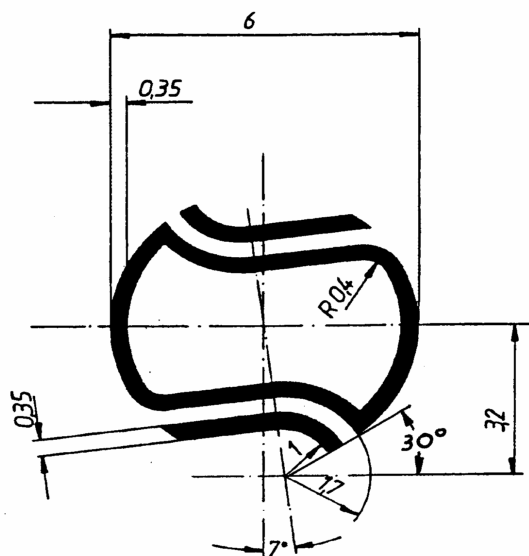


FIG. 1 = "PGM" Test Mark