

(UK/0126/0100)



MI-008

United Kingdom of Great Britain and Northern Ireland

Certificate of EC type-examination of a measuring instrument

Number: UK/0126/0100

issued by the Secretary of State for Business, Innovation and Skills
Notified Body Number 0126

In accordance with the requirements of the Measuring Instruments (Material Measures of Length) Regulations 2006 (SI 2006/1267) and the Measuring Instruments (Non-Prescribed Instruments) Regulations 2006 (SI 2006/1270) which implement, in the United Kingdom, Council Directive 2004/22/EC, this certificate of EC type-examination has been issued to:

Ningbo Great Wall Precision Industrial Co. Ltd
(Konfoong Group Ltd, Hong Kong)
1 Konfoong Road
Yangming Technology Industrial Park
Yuyao City
Zhejiang Province
China 315400

in respect of: Material measure of length (Rulers & Squares)
accuracy class: II
nominal length and width: 15cm x 28 mm

Additional models, lengths and widths are described in section 7 of the Descriptive Annex to this certificate.



Signatory: P R Dixon
for Chief Executive
National Weights & Measures Laboratory
(part of the National Measurement Office)
Department for Business, Innovation and Skills
Stanton Avenue
Teddington
Middlesex TW11 0JZ
United Kingdom

Issue Date: 26 January 2011
Valid Until: 25 January 2021
Reference No: T1126/0007

Descriptive Annex

1 REGULATIONS

The measuring instrument in respect of which this certificate of EC pattern approval has been issued is subject to the provisions and requirements of the requirements of the Measuring Instruments (Material Measures of Length) Regulations 2006 (SI 2006/1267) and the Measuring Instruments (Non-Prescribed Instruments) Regulations 2006 which implement, in the United Kingdom, Council Directive 2004/22/EC.

2 DESCRIPTION OF THE PATTERN

The pattern (Figure 1) is an Engineer's/Machinist (Try-)Square, manufactured from Aluminium. The square comprises of two parts; the blade and the stock. The blade is fitted, and secured, to a slot on the stock. The square is a composite measure with a blade having a nominal length of 15 cm and a nominal width of 28mm. The scale graduations are etched into the blade on the front top edge and marked in black. The blade is graduated in millimetres throughout, half-centimetres and centimetres are also marked. The centimetre intervals are numbered consecutively throughout. The stock forms the surface of one of the terminal intervals.

3 TECHNICAL DATA

- 3.1
- | | | |
|-----|-----------------|------|
| (a) | Accuracy class: | II |
| (b) | Nominal length: | 15cm |
| (c) | Scale interval: | 1 mm |

4 INSCRIPTIONS

The following inscriptions are marked on the front face of the blade:

- | | | |
|-----|--------------------------------------|--------------------------|
| (a) | Nominal length: | 15cm |
| (b) | Manufacturer's identification: | “GREAT WALL” and/or logo |
| (c) | Class of accuracy: | II |
| (d) | EC type approval certificate number: | UK/0126/0100 |

5 APPROVAL CONDITIONS

The certificate is issued subject to the following conditions.

5.1 Legends and inscriptions

5.1.1 The following markings and inscriptions legends are durably and legibly marked onto the blade of the measure: and fulfil the requirements of Paragraph 9 of Annex I of the Directive 2004/22/EC:

- ‘CE’ mark
- Supplementary metrology mark
- Notified Body number
- Accuracy class
- Manufacturers mark or name

- Certificate number
- Tractive force (if applicable)
- Reference temperature (if other than 20°C)

6 LOCATION OF MARKS

6.1 The inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and Notified Body number, as detailed in section 5.1.1 and specified in Article 17 of Directive 2004/22/EC, are printed on the blade.

7 ALTERNATIVES

7.1 The stock of the square may incorporate a spirit level. Approval under this Certification is limited to the metric scale intervals of the blade and does not include any other feature(s).

7.1.1 Having alternative models of square, as detailed in Table 1 below.

Accuracy class	Nominal length (cm)	Nominal width (mm)
II	20	28
II	25	28
II	30	40
II	35	40
II	50	40

Table 1

7.1.2 Having alternative models of square (Figure 2), as detailed in Table 2 below, which may also have the scale graduations etched (in black) onto the rear upper edge of the blade.

Accuracy class	Nominal length (cm)	Nominal width (mm)
II	15	28
II	20	28
II	25	28
II	30	40
II	35	40

Table 2

7.2 Having alternative models of square (Figure 3), as detailed in Table 3 below, which have a dual graduated blade. The blade is graduated in millimetres throughout on the upper edge, and Imperial graduations on the lower edge. The imperial graduations have been taken in to consideration as ‘supplementary indications’. Approval under this Certification is limited to the metric graduations only.

Accuracy class	Nominal length (cm)	Nominal width (mm)
II	15	28
II	20	28

Table 3

7.3 Having alternative models of square (Figure 4), as detailed in Table 4 below, which are fitted with a steel blade. The scale graduations are etched onto both the upper and lower edges of both the front and rear faces of the blade and marked in black.

Accuracy class	Nominal length (mm)	Nominal width (mm)
II	150	40
II	200	40
II	250	40
II	300	40
II	350	40
II	500	40

Table 4

7.3.1 The blade is graduated in millimetres throughout, half-centimetres and centimetres are also marked. The centimetre intervals are numbered consecutively throughout. The numbering on the upper edge increases towards the stock, whilst the numbering on the lower edge increases away from the stock. The stock forms the surface of one of the terminal intervals.

7.3.2 The blade bears the inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and Notified Body number, as specified in Article 17 of Directive 2004/22/EC. The blade also bears the following inscriptions which are marked on the front and rear face of the blade:

- Nominal [maximum] length (mm)
- Scale interval (mm)

7.4 Having a steel rule (Figure 5), which has a nominal length of 30 cm and a nominal width of 25mm. The rule is a composite measure with the upper edge of the blade graduated in millimetres throughout, half-centimetres and centimetres are also marked. The lower edge of the blade is graduated in 0.5 millimetres for the first 10cm and in millimetres throughout the remainder, half-centimetres and centimetres are also marked. The centimetre intervals are numbered consecutively throughout in black, with every 10cm marked in red.

7.4.1 The blade bears the inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and Notified Body number, as specified in Article 17 of Directive 2004/22/EC. The manufacturer’s ID may also marked on the blade adjacent to the nominal length.

7.4.2 Alternative models of the steel rule are detailed in Table 5 below.

Accuracy class	Nominal length (cm)	Nominal width (mm)
II	50	27
II	60	27
II	100	31

Table 5

7.5 Having an alternative model of steel rule (Figure 6), which is fitted to a Protractor (for measuring angles). Approval under this Certification is limited to the metric scale intervals of the blade and does not include any other feature(s).

7.5.1 The rule has a nominal length of 100 cm and a nominal width of 14mm. The rule is a composite measure with the upper, and lower, edge of the blade graduated in millimetres throughout, half-centimetres and centimetres are also marked. The blade is numbered every 10mm throughout in black, with every 50mm marked in red.

7.5.2 The blade bears the inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and Notified Body number, as specified in Article 17 of Directive 2004/22/EC.

7.6 Having a folding rule manufactured from plastic (Figure 7). The blade is 1 m long, 13 mm wide and is graduated in millimetres along both edges and on both faces. The centimetre intervals are numbered consecutively throughout and half-centimetres are marked. The markings are in black on a white background. The rule is an accuracy class III.

7.6.1 The blade is folded into 10 sections, each section being joined by a rivet, which can be locked into position.

7.6.2 Alternative models of the Folding rule are detailed in Table 6 below:

Accuracy class	Nominal length (m)	Nominal width (mm)
III	2	15

Table 6

7.6.3 The blade bears the inscriptions in section 4 together with the ‘CE’ marking, supplementary metrology marking and Notified Body number, as specified in Article 17 of Directive 2004/22/EC.

7.7 Having the following markings, which are in addition to the manufacturer's identification of "GREAT WALL" and/or logo.

- METLAND
- ALFA
- WALTER
- ROTHENBERGER
- RAAB KARCHER
- AYLCO
- CONTINENTAL
- TORNEIRO
- GOOD YEARS
- NOVIPro
- SIBA
- HODARA (Brand name: Hu firma)
- ADW
- TOP CRAFT
- WISVO
- BRÜDER MANNESMANN
- GO/ON
- JEWSON
- WOMAX
- KARAN
- VALEX
- AKIFIX
- TOPEX
- NEO TOOLS
- TOP TOOLS
- SKIL
- ANT
- COSMOS
- UGR
- SKILLS
- VIP-TEC
- NoRa
- Meister Werkzeuge GmbH

8 ILLUSTRATIONS

- | | | | |
|----------|------------------------|----------|-------------------------------------|
| Figure 1 | Example of the pattern | Figure 2 | Alternative, rear face marking. |
| Figure 3 | Dual graduated version | Figure 4 | Steel blade version |
| Figure 5 | Steel rule | Figure 6 | Alternative steel rule (Protractor) |
| Figure 7 | Folding rule | | |

9 CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
UK/0126/0100	26 January 2011	Type examination certificate first issued.



Figure 1 Example of the pattern



Figure 2 Alternative, rear face marking.



Figure 3 Dual graduated version

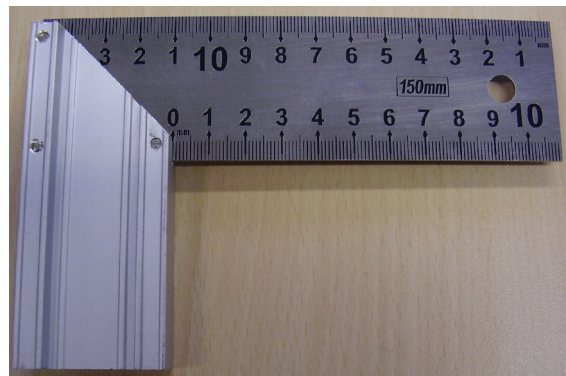


Figure 4 Steel blade version



Figure 5 Steel rule

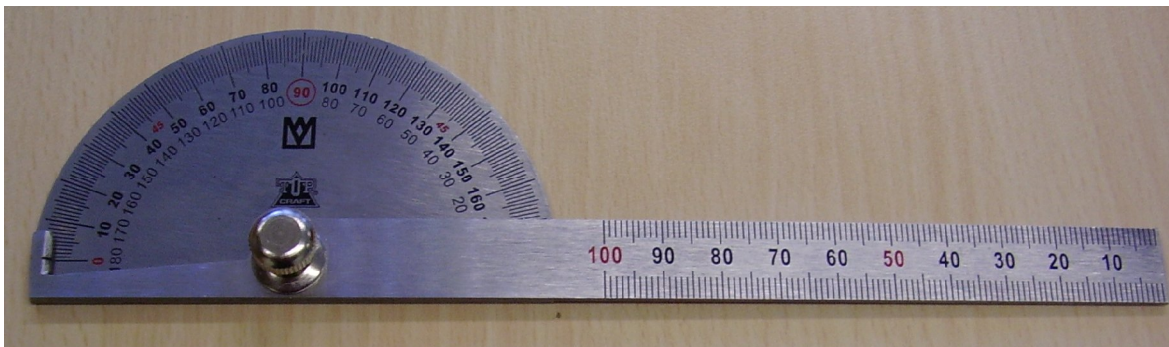


Figure 6 Alternative steel rule (Protractor)

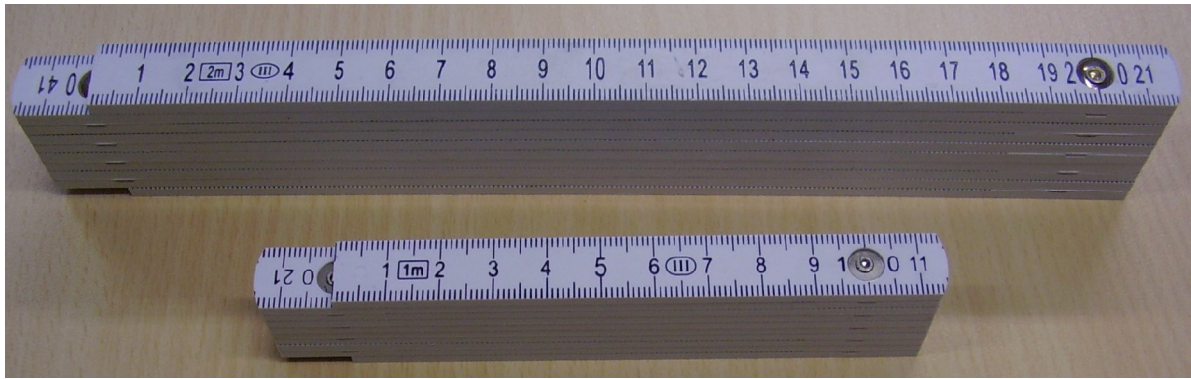


Figure 7 **Folding rule**