

St

Indian Standard

IS No. nnnnn : yyyy
IS No. 1875

First Prize

14 $\frac{3}{4}$

Product - Specification
Black, lead pencils.

BIS

Name & Address

Mayank Singla [Shri Dhanwantry ayurvedic college, CHD.]
Anshika Aggarwal

Mar 2022

Price Rs. 100/- for 10 pencils

0. FOREWORD - Contains formal paragraphs as are relevant to the needs of standard like

- Name of the Committee responsible for preparation of the standard, date of publication of the standard etc.
- Information about the brief history of standard, product, practices, uses as relevant.
- Acknowledging other international/national standard which were taken into consideration.
- Information about other related standards.
- Reference to IS 2 on Rounding Off.

Details as at a), c), d) & e) are generally incorporated at the time of final (printing) stage by Sectt.

A committee of Mayank Singla and Anshika prepared this standard in the year 2023 and BIS approved it.

Title of the Standard (Product - Specification)

Black lead pencil

1. SCOPE - Clear statement indicating the field covered by the standard defining its extent and limitation. Sometime, for the purpose of clarity, it is also mentioned what the standard 'does not' cover or 'excludes'.

This standard covers the requirement of various pencils like:

1. Carpenter pencil
2. Reporter and Sonographer pencil
3. General pencil

2. REFERENCES - Information related to other standards referred in text of the standard.

IS 3084 - Wooden Casing

IS 1070 - Reagent Grade Water

3. DEFINITIONS, TERMINOLOGIES etc. Technical terms to be defined or referenced to other relevant standards.

Definition = ^{Lead is} Made of graphite and clay and lead made of Graphite is fixed between two wooden casing.

Terminologies = 1. Drawing pencil is used for drawing.
 2. Carpenter pencil is used by Carpenter.
 3. Reporter pencil is used by Reporter.
 4. Sonographer pencil is used by Sonographer.

4. GRADES, TYPES AND CLASSES - As applicable to the product

• Grades = 6B, 5B, 4B, 3B, 2B, B, HB, H, 2H, 3H, 5H and 6H

• Type = 1. Drawing pencil
 2. Carpenter pencil
 3. Reporter pencil
 4. Sonographer pencil
 5. General pencil

• classes = 1. Hard - H, 2H
 2. Medium - HB
 3. Soft - B, 2B

5. MANUFACTURE - Where considered necessary the manufacturing process(es) may be specified.

A smooth, uniform, even slip which is made of graphite and clay is fix in two wooden casing and Glued together.

Then Marking is done on the pencil.

After that it is subjected to packing.

St

Indian Standard

Second Prize

IS No. 1375: 2023
IS No. nnnnnn : yyyy

14 $\frac{2}{3}$

Product - Specification
Black Lead Pencils

14 $\frac{2}{3}$

BIS

Name & Address .. Khushi & Anchal
SOACH, Sector 46C Chandigarh

Price Rs 100

Mar 2022

0. FOREWORD - Contains formal paragraphs as are relevant to the needs of standard like

- a) Name of the Committee responsible for preparation of the standard, date of publication of the standard etc.
 - b) Information about the brief history of standard, product, practices, uses as relevant.
 - c) Acknowledging other international/national standard which were taken into consideration.
 - d) Information about other related standards.
 - e) Reference to IS 2 on Rounding Off.
- Details as at a), c), d) & e) are generally incorporated at the time of final (printing) stage by Sect.*

A committee of Khushi and Anchal prepared this standard in the year 2023 and the BIS approved it.



✓ Title of the Standard (Product - Specification)

Black Lead Pencils

1. SCOPE - Clear statement indicating the field covered by the standard defining its extent and limitation. Sometime, for the purpose of clarity, it is also mentioned what the standard 'does not' cover or 'excludes'.

This standard cover the generalisation i.e scope of different pencil.

- 1- Drawing pencil
- 2- Carpenter pencil
- 3- Stenographer & Reporter pencil
- 4- General pencil

2. REFERENCES - Information related to other standards referred in text of the standard.

Wooden casing → IS 3084 (Second revision)
 Reagent grade → IS 1070 (Third revision)
 water

3. DEFINITIONS, TERMINOLOGIES etc. Technical terms to be defined or referenced to other relevant standards.

Black lead pencil → A pencil in which the slip made basically of graphite & clay and fixed in a wooden casing.

Drawing pencil → A black lead pencil in different grades intended for drawing purpose

Carpenter pencil → A black lead pencil used by carpenters to mark the wood

Stenographer and Reporter pencil → A black lead pencil is used for writing in shorthand.

General writing pencil - A black lead pencil used for general purpose

4. GRADES, TYPES AND CLASSES - As applicable to the product

→ Drawing pencil shall be supplied in grades 6B, 5B, 4B, 3B, 2B, B, HB, H, 2H, 3H, 4H, 5H, 6H
 → Pencil for carpenters and for stenographers and reporters shall generally be of grade HB only.

→ Pencil for general writing shall be supplied in the following grades

Hard: H, 2H

Medium: HB

Soft: B, 2B

B → Black / Darkness of pencil

H → Hardness of pencil

5. MANUFACTURE - Where considered necessary the manufacturing process(es) may be specified.

1) Slip insertion - Insert a uniform and smooth slip b/w each of the two piece of wood

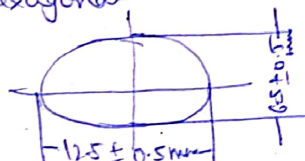
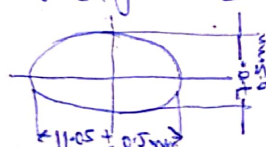
2) Casing - Glue together the two pieces of wood

3) Painting the outer cover - Now to paint the cover with brandings and description on cover.

4) Shape - Carpenter pencil = Oval Stenographer pencil = Round

All other categories = Round or hexagonal

→ Dimensions for carpenter pencil =



length of pencil = 177 ± 3 mm

Sl

✓ Indian Standard

Third Prize

IS No. nnnnn : yyyy

IS 1375

141
2

Product - Specification
Black Lead Pencils

BIS

Name & Address ... Anshika, Atul & SPACH sec-46 B

Mar 2022

Price Rs 100 for 10 pencils

0. FOREWORD – Contains formal paragraphs as are relevant to the needs of standard like

- a) Name of the Committee responsible for preparation of the standard, date of publication of the standard etc.
 - b) Information about the brief history of standard, product, practices, uses as relevant.
 - c) Acknowledging other international/national standard which were taken into consideration.
 - d) Information about other related standards.
 - e) Reference to IS 2 on Rounding Off.
- Details as at a), c), d) & e) are generally incorporated at the time of final (printing) stage by Sectt.*

A committee of Anshika and Atul prepared this standard in year 2023 and BIS approved it.



Title of the Standard (Product - Specification)
Black Lead Pencils

1. SCOPE - Clear statement indicating the field covered by the standard defining its extent and limitation. Sometime, for the purpose of clarity, it is also mentioned what the standard 'does not' cover or 'excludes'.

→ This standard covers the requirement of various pencils
for ex:-

- ① Drawing pencils
- ② Stenographer pencils
- ③ Carpenter pencils
- ④ Reposter pencils
- ⑤ General writing pencils

2. REFERENCES - Information related to other standards referred in text of the standard. which standardize they ref. to.

- ex:-
- IS 3084 → wooden casing
 - IS 1070 → Reagent grade water

3. DEFINITIONS, TERMINOLOGIES etc. Technical terms to be defined or referenced to other relevant standards.

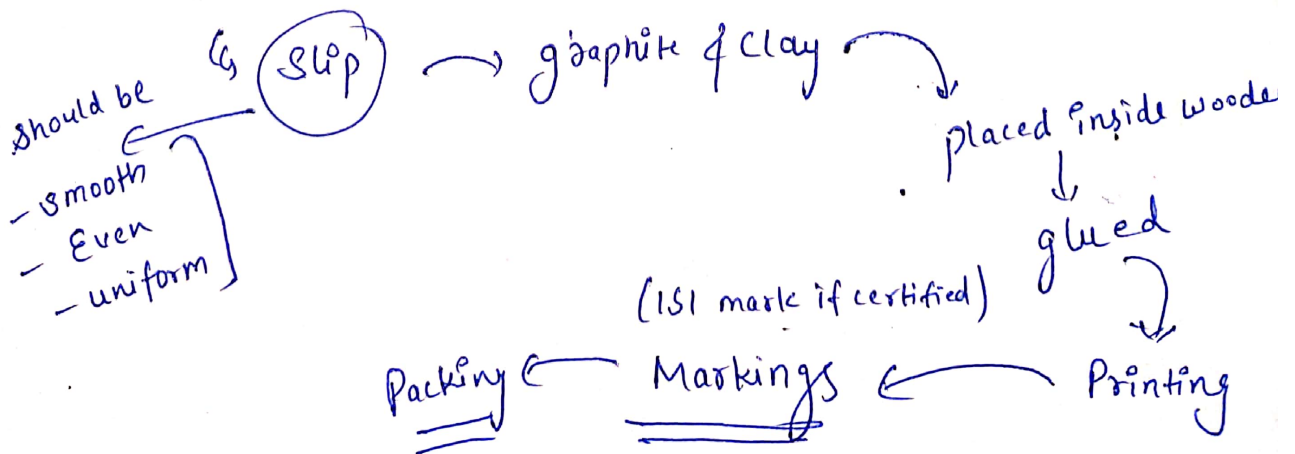
Defn → A writing tool in which graphite is fixed b/w two wooden cases of glued.

- Terminologies →
- ① Drawing pencil → used for drawing
 - ② General writing pencil → used for writing
 - ③ Carpenter pencil → used by carpenters.

4. GRADES, TYPES AND CLASSES - As applicable to the product

- ↳ 6B, 5B, 3B, 2B, B, H, 2H, 3H, 4H, 5H, 6H.
- ↳ 5 types → Drawing, stenographer, carpenter
- ↳ Class → Hard → H, 2H
medium → HB
soft → B, 2B

5. MANUFACTURE - Where considered necessary the manufacturing process(es) may be specified.



St

Indian Standard

IS No. nnnnn : yyyy
1375 : 2021

Consultation Prize

14 $\frac{1}{4}$

Product - Specification
Black Lead pencils

BIS

Name & Address ...

Divyansh Mittal.
Shri Dhonwantry Ayurvedic college & hospital Sec 45c
Price ₹50

Mar 2022

0. FOREWORD – Contains formal paragraphs as are relevant to the needs of standard like

- a) Name of the Committee responsible for preparation of the standard, date of publication of the standard etc.
 - b) Information about the brief history of standard, product, practices, uses as relevant.
 - c) Acknowledging other international/national standard which were taken into consideration.
 - d) Information about other related standards.
 - e) Reference to IS 2 on Rounding Off.
- Details as at a), c), d) & e) are generally incorporated at the time of final (printing) stage by Sect.*

- A committee of Divyansh Mittal prepared this standard in 2021 and BIS approved it.



Title of the Standard (Product - Specification)

Black lead pencils

1. SCOPE - Clear statement indicating the field covered by the standard defining its extent and limitation. Sometime, for the purpose of clarity, it is also mentioned what the standard 'does not' cover or 'excludes'.

This standard covers the generalisation, scope of different pencils

- (a) drawing pencil
- (b) Carpenters pencil
- (c) stenographers and reporter's pencil
- (d) Pencil for general writing

2. REFERENCES - Information related to other standards referred in text of the standard.

Wooden casing ISO 3084

Reagent Grade water IS 1070

3. DEFINITIONS, TERMINOLOGIES etc. Technical terms to be defined or referenced to other relevant standards.

Black lead pencil - A pencil in which the slip made basically of graphite & clay is fixed in a wooden casing.

- (1) drawing pencil - A black lead pencil used by carpenters for marking on wood
- (2) drawing pencil - A black lead pencil, in different grades, intended for drawing purpose.
- (3) stenographer's and reporter's pencil - A black lead pencil used by stenographers and reporters for writing in shorthand.
- (4) General writing pencil - A black lead pencil used for general purpose

4. GRADES, TYPES AND CLASSES - As applicable to the product

Six grades of Blackness & 6 grades of hardness.

GB, 5B, 4B, 3B, 2B, B, HB, H, 2H, 3H, 4H, 5H, 6H

B = Black darkness of pencil
H = Hardness of pencil

5. MANUFACTURE - Where considered necessary the manufacturing process(es) may be specified.

- 1) Slip insertion - insert a uniform and smooth slip b/w each of the two pieces of wood.
- 2) Joining of wooden pieces - Glue together the two pieces of wood.
(Casing)
- 3) Painting the outer cover - Now paint the cover with brandings and description of product.
- 4) Each pencil should be the specified shape eg. carpenter's pencil
- 5) Take care of standardised dimensions $\rightarrow 177 \pm 3$ mm