

KS

KOREAN INDUSTRIAL STANDARD

Anchor Block for Concrete Pole

KS F 4023: 2002

**Korean Agency for Technology and Standards
Ministry of Commerce, Industry and Energy**

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The original standard in Korea is to be evidence.**

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Anchor Block for Concrete Pole

1. Scope

This standard specifies the anchor block for concrete pole (hereinafter to be called pole).

2. Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of the standard. The most recent editions of the standards indicated below should be applied.

KS D 3503 Rolled steels for general structure

KS D 3504 Steel bars for concrete reinforcement

KS D 3510 Hard drawn steel wires

KS D 3552 Low carbon steel wires

KS F 2560 Chemical admixtures for concrete

KS F 2561 Corrosion inhibitor for reinforcing steel in concrete

KS F 2562 Expansive additive for concrete

KS F 2563 Ground granulated blast-furnace slag for use in concrete

KS L 5201 Portland cement

KS L 5210 Portland blast-furnace slag cement

KS L 5211 Portland fly-ash cement

KS L 5401 Portland pozzolan cement

KS L 5405 Fly ash

3. Types and Names

Types and names of poles are as in the following **Table 1**.

Table 1

Unit: mm

Name	Length	Name	Length
0.7	700	1.5	1500
1.0	1000	1.8	1800
1.2	1200		

4. Quality

4.1 Appearance

Surface of the pole shall be even, without distortion, cracks that may give adverse effect to the use and any scratch.

4.2 Bending Strength

When tested according to 8, the poles shall satisfy the requirements in **Table 2**.

Table 2 Bending Strength

Item Name	Crack Load kN	Breaking Load kN	Span L (m)
0.7	15.0	30.0	0.5
1.0	15.0	30.0	0.8
1.2	15.0	30.0	1.0
1.5	15.0	30.0	1.3
1.8	15.0	30.0	1.6

5. Shape and Size

5.1 Tolerance

The shape (¹) of the pole shall be according to the **Fig. 1-1** and **1-2**, sizes shall be according to **Table 3** and tolerance shall be according to **Table 4**.

Note (¹) Nominal name 0.7m may be prepared according to **Fig. 1-1** or **1-2**.

5.2 Minor processing such as chamfering and notch that do not give adverse effect to the shape are allowed.

Unit: mm

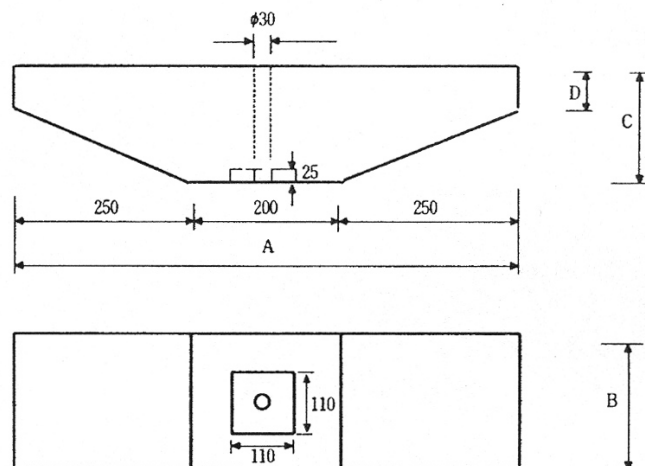


Fig. 1-1 Shape and Size of 0.7 Pole