

JIS

JAPANESE INDUSTRIAL STANDARD

**Circular Saws with
Cemented Carbide Tips**

JIS B 4805—1989

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Circular Saws with Cemented Carbide Tips

B 4805-1989

1. Scope

This Japanese Industrial Standard specifies the circular saws with cemented carbide tips to be used mainly for wood workings.

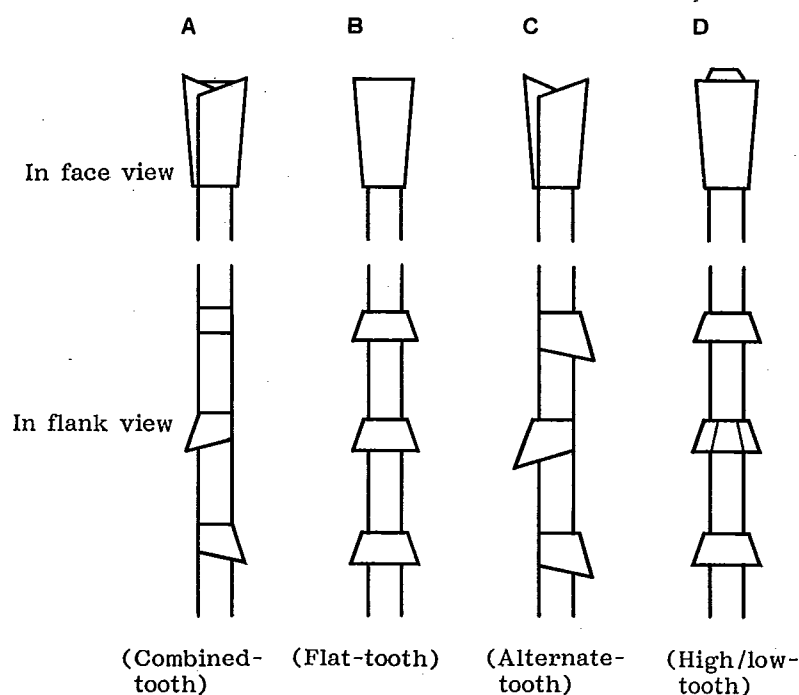
2. Definitions

For the purposes of this Standard, definitions in JIS B 0172 apply.

3. Types

The types of the circular saws with cemented carbide tips shall be classified into 4 types of A, B, C and D of Fig. 1, and combination of these according to the tooth shapes.

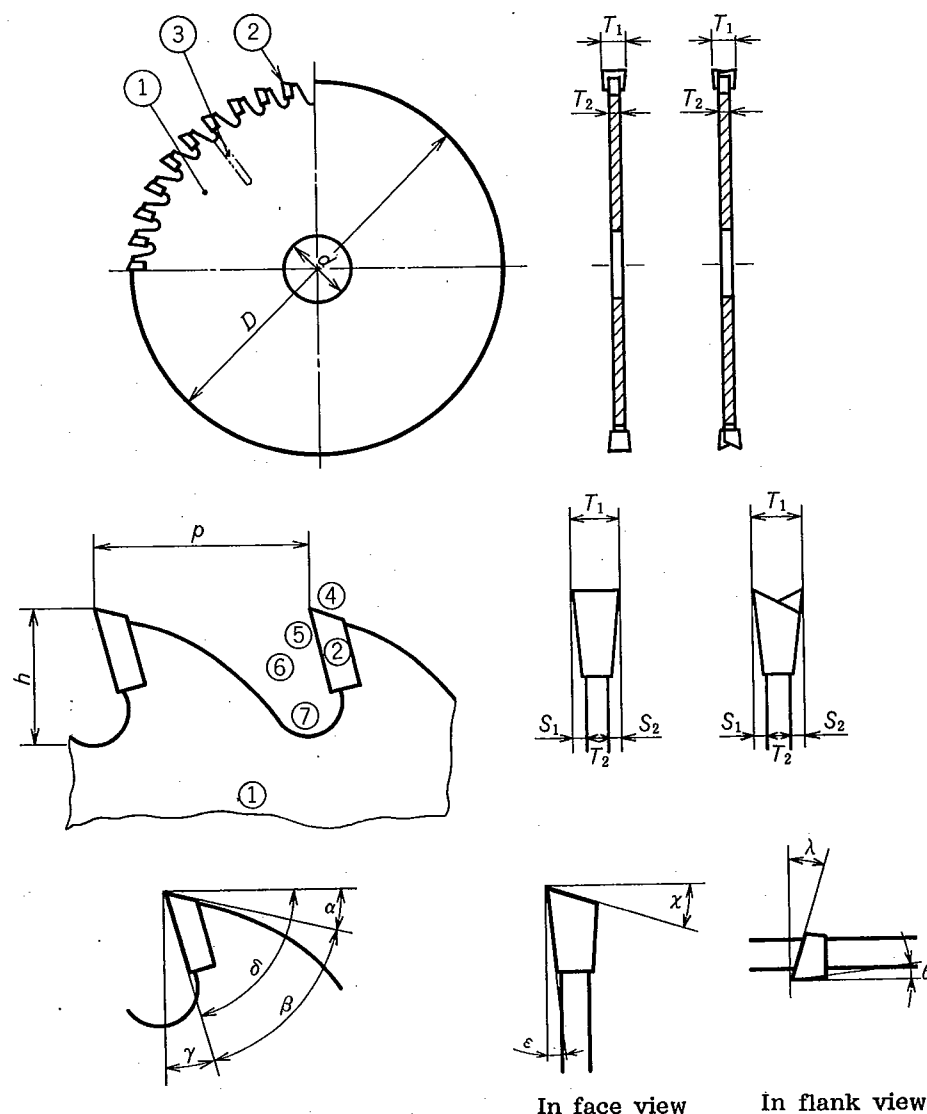
Fig. 1. Tooth Shapes

4. Shapes, Nomenclatures and Dimensions

The shapes and nomenclatures of respective parts of the circular saws with cemented carbide tips shall be in accordance with Fig. 2, and the dimensions shall be in accordance with Table 1.

Applicable Standards: See page 8.

Fig. 2. Examples of Shapes and Nomenclatures of Respective Parts



No.	Nomenclature
1	Body
2	Tip
3	Slit *
4	Flank
5	Face
6	Gullet area
7	Bottom

Nomenclature	Symbol (Informative reference)	Nomenclature	Symbol (Informative reference)
Outside diameter	D	Clearance angle of tip	α
Bore diameter	d	Included angle	β
Pitch	p	Rake angle	γ
Tooth height	h	Cutting angle	δ
Tooth thickness	T_1	Cutting edge angle	χ
Thickness of body	T_2	Lateral face angle	λ
Set	S_1, S_2	Side angle to centre	ϵ
		Side clearance angle	θ

Note * There are circular saws with cemented carbide tips which are not provided with slot or these provided with plural number of slits.