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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 6117.1-2010

Replacing GB/T 6117.1-1996

End mills -- Part 1: Milling cutters with parallel shanks

立铣刀 第1部分：直柄立铣刀

(English Translation)

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this portion of the GB/T 6117.1-1996 have compared the following changes.

- Added "foreword";
- Table 1 Recommended diameter d increase in size 24;
- Delete the contents of Chapter 3 symbols;
- According to GB/T 1.1 format requirements for the preparation of editorial changes were made.

This part is proposed by China Machinery Industry Federation.

This part of the tool by the National Standardization Technical Committee (SAC/TC91) centralized.

This part mainly drafted by. Chengdu into a tool Group Co., Ltd., Chengdu Tool Research Institute, Shanghai Tool Works Co., Ltd.

1 Scope

This section GB/T 6117 specifies the general straight shank end mill, flatted straight shank end mills, 2° beveled straight shank end mill, milling threaded shank Basic requirements knife type, size and marking like.

This section applies to a diameter greater than 1.9mm ~ 75mm straight shank cutter.

2 Normative references

The following documents contain provisions which, through reference in this part of the GB/T 6117, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 6131.1 cutter straight shank - Part 1. General straight shank type and size (GB/T 6131.1-2006, ISO 3338-1.

1996, IDT)

GB/T 6131.2 cutter straight shank - Part 2. flatted straight shank type and size (GB/T 6131.2-2006, ISO 3338-2.

2000, MOD)

GB/T 6131.3 cutter straight shank - Part 3. 2° beveled straight shank types and dimensions

GB/T 6131.4 cutter straight shank - Part 4. threaded shank type and size (GB/T 6131.4-2006, ISO 3338-3.

1996, IDT)

3 Type and size

3.1

straight shank end mill according shank type divided into four different types, shown in Figure 1 to 4. Straight shank end mill dimensions in Table 1.

Straight shank end mill according blade length is divided into different standard series and long series.

1 ordinary straight shank end mill

Figure 2 flatted straight shank end mill