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

GB/T 6188-2017

Hexalobular internal driving feature for bolts and screws

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Foreword

This standard was drafted in accordance with the provisions given in GB/T 1.1-2009.

This standard replaces GB/T 6188-2008 "hexagonal bolt and screw-shaped", compared with GB/T 6188-2008, the main changes

as follows.

--- Increased slot number .1 ~ 5,7,9,27 and the corresponding basic dimensions, the depth of the allowable insertion f , the regulatory limit size, limit gauge limit

Inch, cylindrical gauge diameter size (Table 1 ~ Table 5).

This standard uses the translation method identical with ISO 10664.2014 "hexagonal bolt and screw-shaped flower."

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Standardization Technical Committee fasteners (SAC/TC85) centralized.

This standard is drafted by. Machine Productivity Promotion Center.

Participated in the drafting of this standard. Dongfeng Commercial Vehicle Co., Ltd.
Dongfeng Commercial Vehicle Technology Center, Dongfeng Automobile Fasteners Co., Ltd., machinery

Industrial General Parts Product Quality Supervision and Testing Center.

This standard by the National Standardization Technical Committee fasteners responsible for the interpretation.

This standard replaces the standards previously issued as.

--- GB/T 6188-1986, GB/T 6188-2000, GB/T 6188-2008.

Bolts and screws with hexagonal flower-shaped

1 Scope

This standard specifies the shape of the hexagonal flower-shaped bolts and screws, basic dimensions and measurement methods.

Bolts or screws with hexagonal flower-shaped profile curve in line with the provisions of Table 3 to Table 5 to determine the gauge. Appendix A gives the outline of the drawing

Curve reference information.

This standard applies to hexagonal flower size inspection, does not apply as a manufacturing standard.

2 basic size

The hexagonal flower shape and basic dimensions are shown in Figure 1 and Table 1.

Description.

Counterbore. $C \leq 0.13\text{mm}$, suitable for slot $\leq \text{No.15}$;

$c \leq 0.25\text{mm}$, suitable for slot number $> \text{No.15}$;

Insert depth t see related product standards.

a See Table 2.

NOTE The inner hexagonal flower bottom outline outside the measurement area is to be determined by the manufacturer.

Figure 1 basic dimensions