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ASSOCIATION STANDARD

T/CRIA 22005-2019

Mould for tyre - Micro spring vent

轮胎模具 弹簧气套

(English Translation)

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Foreword

This document was issued on 7 November 2019 by the China Rubber Industry Association, and has applied since 1 January 2020.

It is a T/CRIA association standard, published by the China Rubber Industry Association and applied by agreement.

1 Scope

This standard specifies terms and definitions, requirements, inspection, acceptance, as well as marking, packaging, transportation and storage of micro spring vent for vulcanized mould for tyre.

This standard is applicable to the micro spring vent components of vulcanized mould for tyre. Other micro spring vents of rubber mould can refer to this standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendments) applies.

GB/T 191 Packaging - Pictorial marking for handling of goods

GB/T 699 Quality carbon structure steels

GB/T 1222 Spring steels

GB/T 8731 Free-cutting structural steels

GB/T 8845 Dies and moulds - Terminology

GB/T 20878 Stainless and heat-resisting steels - Designation and chemical composition

HG/T 3227.1 Mould for tyre covers - Part 1: Segmented mould

HG/T 3227.2 Mould for tyre covers - Part 2: Two pieces mould

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 8845, HG/T 3227.1 and HG/T 3227.2 and the following apply.

3.1

sleeve shell

a component that can accommodate core set and spring, and restrict the closed height of core set

3.2

core set

a component that fits with sleeve shell to form a closed structure and moves back and forth under the elastic force of spring

3.3

closed height

distance between the highest point of core set under the spring force and the lowest point after complete closure

3.4

close force

force required for core set to completely close from its highest point to its lowest point

3.5

ventilation flux

volume of air passing through the exhaust channel of the product within the specified pressure and time

4 Structural types

The micro spring vents are divided into integral micro spring vent and split micro spring vent. See Figures 1 and 2 respectively for the structural diagrams.