

JB

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

JB/T 4036-2004

Rolling bearings - Pallets and wooden cases for transport

滚动轴承运输用托盘和大木箱

(English Translation)

Issued on: February 10, 2004

Implemented on: June 1, 2004

**Issued by: Ministry of Industry and Information Technology of the
People's Republic of China**

Table of Contents

Foreword	i
1 Scope	
2 Normative References	
3 Terms and Definitions	
4 Pallet and Package Technology Requirements	
5 Wooden Case and Package Technology Requirements	
6 Marks of Delivery, Storage and Transportation	
Appendix A (Informative) Casing Scheme for Bearing Carried by Wooden Case	

1 Scope

This Standard specifies packing method of rolling bearing, technical requirements of pallet and wooden case used for transportation and marks for delivery, storage and transport.

This Standard is applicable to package and transportation of rolling bearings in outer diameter not larger than 440 mm.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, the parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards. For undated references, the latest edition of the normative document referred to applies.

GB/T 191-2000 Packaging-Pictorial marking for handling of goods (eqv ISO 780: 1997)

GB/T 153-1995 Coniferous sawn timber

GB/T 2934-1996 General-purpose flat pallets for through transit of goods-Principal dimensions and tolerances (eqv ISO 6780: 1988)

GB/T 3716-2000 Pallets for materials handling--Vocabulary (idt ISO 445: 1996)

GB/T 4817-1995 Broadleaved sawn timber

GB/T 4995-1996 General-purpose flat pallets for through transit of goods-Performance requirements

GB/T 4996-1996 General-purpose flat pallets for through transit of goods-Test methods (eqv ISO 8611: 1991)

GB/T 7285-1993 Packaging terms-wooden containers

GB/T 8597-2003 Rolling bearings-Rust proof packaging

GB 11115-1989 Low density polyethylene resin

GB/T 13237-1991 Cold-rolled quality carbon structural steel sheets and strips (neq rOCT 16523:1970)

GB/T 14508-1993 Mechanical environmental conditions existing in the cargo transportation by classed highway

JB/T 3016-2004 Rolling bearings-Packaging box-Specifications

YB/T 025-2002 Steel strips for packing

YB/T 5002-1993 Round nails for general uses (neq DIN 1144~1151:1973)

3 Terms and Definitions

Terms and definitions given in GB / T 3716 and GB / T 7285 are applicable to this Standard.

4.1.1

Pallets can be classified into box pallet, two-way panel with cover and four-way panel with cover. Structures of pallet and holt cover refer to Figure 1~4.

4.1.2

Dimensions and tolerances of pallet and holt cover:

4.1.2.1

Outside dimension and tolerance of flat pallet shall comply with those specified in GB/T 2934.

4.1.2.2

Basic dimension and tolerance of box pallet shall be determined by agreement of manufacturer and user.

4.1.2.3

Dimension and tolerance of holt cover shall be determined by agreement of manufacturer and user according to areas of object borne by pallet.

4.1.3 Material of pallet

it may be fabricated by timber, steel and plastic (with high density polyethylene and polypropylene as main raw material). Those specified in GB / T 153, GB / T 4817, GB / T 13237 and GB 11115 shall be met respectively.

4.1.4

The technical requirements of pallet shall be in accordance with those specified in GB / T 4995.

4.1.5

Test methods of pallet shall be in accordance with those specified in GB / T 4996.

4.2.1

Gross weight of pallet package shall not exceed 1t.

4.2.2

For winding package bearings or bearings put into carton with the outer diameter not larger than 440 mm and carried by flat pallet, the inner package shall meet the requirements specified in GB / T 8597 - 2003.