



**Professional Standard of the People's Republic of China**

JG/T 5101-1998

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**臂架式高空作业平台**  
**Arm Aerial Work Platform**

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## Foreword

This standard references the content in chapters of definition, structural safety factor and stability test of complete machine for American standard **ANSI A92.5-1980 *Movable Arm Aerial Work Platform***.

This standard also references the content of lifting mechanism assembly and control of work platform for American standard **ANSI A92.6-1979 *Self-Propelled Aerial Work Platform***.

With the wide use of aerial work platform, the structural style has been increasing year by year. In order to meet the demand of development, we have respectively made five product standards of ***Telescopic Cylindrical Aerial Work Platform***, ***Arm Aerial Work Platform***, ***Scissors Aerial Work Platform***, ***Mast Aerial Work Platform*** and ***Truss Aerial Work Platform*** based on industrial standard of **JJ 82-91 *Aerial Work Platform*** according to the difference of product structural style to guide the design, manufacturing and use of each product.

This standard has made specific provision on levelling mechanism and levelling precision for arm aerial work platform. The higher demand on stability has been presented because of large radius of arm aerial work platform. Besides the general stability test, the test of rear stability and tire burst shall be made.

This standard shall replace **JJ 82-91** at the date of implementation.

The annex A is the annex of this standard.

This standard is proposed by Standards Research Institute of Ministry of Construction.

This standard shall be controlled by Beijing Comprehensive Research Institute of Construction Machinery, the technical focal point of standards of mechanical equipment and vehicle for Ministry of Construction.

Drafting unit of this standard: Building Mechanization Research Institute of China Academy of Building Research and Shanghai Zhongli Lifter Factory.

Main drafters of this standard: Zhao Hongxue, Wang Zhenfeng, Liu Zijin, Jing Qizuo and Liu Weisheng.

This standard is interpreted by Building Mechanization Research Institute of China Academy of Building Research.

JG 5099-1998 Safety Rules for Aerial Work Machinery

JG/T 5100-1998 Scissors Aerial Work Platform

## **Arm Aerial Work Platform**

### **1. Scope**

This Standard specifies the classification and technical requirements of arm aerial work platform, as well as test method, inspection rules, marking, packaging and storage.

This Standard is applicable to arm aerial work platform.

### **2. Normative References**

Articles contained in the following documents have become articles of this Standard after they are quoted. For the dated documents so quoted, all their modifications made thereafter (excluding corrections) or revised versions shall not be applicable to this Standard, but all parties who have reached agreements on the basis of this Standard are encouraged to study on the implementation of the latest versions of these document. For the undated documents so quoted, their latest versions shall be applicable to this Standard.

GB 1497-85 Basic Standard for Low-voltage Apparatus

GB 3323-87 Methods for radiographic inspection and classification of radiographs for fusion welded butt joints in steel

GB 3766-83 Hydraulic fluid power--General rules for the application of equipment to transmission and control systems

GB/T 5117-1995 Carbon steel covered electrodes

GB/T 5118-1995 Low alloy steel covered electrodes

GB 5972-86 Wire rope for lifting appliances; Code of practice for examination and discard

GB 14761.5-93 Emission STANDARD for pollutants at idle speed from vehicle with petrol engine

GB 14761.6-93 Emission standard for smoke at free acceleration from vehicle with diesel engine

JG/T 5050-94 Construction machinery and equipment-general rule for reliability check

JG 5099-1998 Safety rules for aerial work machinery

JG/T 5100-1998 Scissors aerial work platform



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