

(PREVIEW)

*Indian Standard*  
SPECIFICATION FOR  
CAGE WHEEL FOR POWER TILLERS

IS :10282· 1982

**0. FOREWORD**

0.1 This Indian Standard was adopted by the Indian Standards Institution on 31 August 1982, after the draft finalized by the Agricultural Tractors and Power Tillers Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 Power tillers are generally supplied with pneumatic wheels for transportation and dry land cultivation. Studies indicate that the conversion of engine power into drawbar pull by these wheels is very poor when operated in puddled soil. This may be due to either more slippage or higher rolling resistance from sinkage, or both. To improve traction under such conditions, most of the manufacturers have been supplying different types of cage wheels for power tillers.

0.3 In order to rationalize the dimensions, a need was felt to formulate an Indian Standard on the subject.

0.4 In preparation of this standard, assistance has been derived from the work done at Indian Institute of Technology, Kharagpur.

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS: 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**1. SCOPE**

1.1 This standard specifies material, dimensions and other requirements of cage wheel for power tillers.