

(PREVIEW)
Indian Standard

**TECHNICAL REQUIREMENTS FOR POWER
TAKE-OFF PULLEY FOR AGRICULTURAL
TRACTORS WITH TYPE 1 PTO SHAFT**

FOREWORD

0.1 This Indian Standard was adopted by the Indian Standard, Institution on 31 July 1981, 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 take-off (PTO) pulleys are being used for transmitting power from tractors to the belt-pulley operated agricultural equipment, such as power thresher, chaff cutter and pump sets. The dimensions and quality of indigenously made pulley vary considerably. A need was, therefore, felt to prepare Indian Standard on the subject to help the manufacturers in production of quality pulleys.

0.3 Three types of PTO are covered in IS : 4931-1977. However, presently mostly Type 1, PTO covered in IS : 4931-1977*, is being used in indigenous tractors. Hence in this standard, the dimensions relating to pulleys used in relation to Type 1 PTO have been included. As and when the dimensions and other details of pulleys for type 2 and 3 PTO are available, the same would be incorporated in this standard.

0.4 In the preparation of this standard, assistance has been derived from Mis Mahmdra and Mahmdra Limited (International Tractor Division), Bombay and Tractor Training and Testing Station (Ministry of Agriculture). Budm

0.5 For the purpose of deciding whether a particular requirement of this standard is completed 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 covers dimensions, safety and other requirements and performance test for power take-off pulley suitable for Type 1 PTO of agricultural tractors.

*Specification for power take-off shaft of agricultural tractors (*first revision*)

†Rules for rounding off numerical values (*revised*)