

BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

कृषि ट्रैक्टरों की ट्रैक चौड़ाई — अनुशंसाएं

(आइ एस 12363 का पहला पुनरीक्षण)

Draft Indian Standard

TRACK WIDTH OF AGRICULTURAL TRACTORS — RECOMMENDATIONS

(First Revision of IS 12363)

ICS 65.060.10

Agricultural Machinery and Equipment
Sectional Committee, FAD 11

Last date for Comments: **9 May 2024**

FOREWORD

(Format clause will be added later)

The standard was first published in 1988 with the title ‘Recommendation on track width of agricultural tractors’. In preparation of the standard, assistance was taken from ISO 4004 : 1983 ‘Agricultural tractors and machinery — Track width’, issued by the International Organization for Standardization and certain modifications in the recommended track width were made to cover the tractors produced in the country.

The ISO standard, ISO 4004 : 1983 remains current and was confirmed by the ISO Subcommittee, ISO/TC 23/SC 4 ‘Tractors’ in 2022. Therefore, the first revision of the standard has been undertaken to incorporate editorial corrections and to bring it in the latest style and format of Indian Standards.

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 : 2022 ‘Rules for rounding off numerical values (*second revision*)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Draft Indian Standard***TRACK WIDTH OF AGRICULTURAL TRACTORS — RECOMMENDATIONS***(First Revision of IS 12363)***1 SCOPE**

This standard covers the recommended track width for general purpose agricultural tractors.

2 TERMINOLOGY

For the purpose of this standard the following definitions shall apply.

2.1 Agricultural Tractor — A self-propelled wheeled vehicle having two axles, or a track-laying or semi track-laying machine, more particularly designed to pull, push, carry and operate implements and machines used for agricultural work (including forestry work).

2.2 Track of Track-Laying Tractor — The distance between the median planes of the track plates.

NOTE — The median plane of the wheel or track assembly is equidistant from the two planes containing the periphery of the rims or the track plates, respectively at their outer edges.

2.3 Track of Wheeled Tractor — The distance at the ground level between the median planes of the wheels on the same axle of the tractor when stationary and with the wheels in position for travelling in a straight line. The track may thus be defined both for front and rear wheels. In case of twin wheels, the track shall be taken as the distance between the two planes, each being the median plane of the pairs of wheels.

3 TRACK WIDTH

The preferred track width in mm, for wheeled tractors based on rear wheels, are as follows:

<i>Track Width, mm</i>	<i>Tolerance</i>
750	± 25
1250	± 25
1325	± 25
1450	± 25

NOTE — It is not envisaged that the tractors for all machines will be capable of being set to all the four widths.