Indian Standard

UDC 629.11.013 : 629.114.4 - 494 : 006.78

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BUREAU OF INDIAN STANDARDS MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG NEW DELHI 110002

December 1990

Price Group 3

Indian Standard

COMMERCIAL ROAD VEHICLES – CONNECTIONS FOR REAR-MOUNTED POWER TAKE-OFFS (PTO)

NATIONAL FOREWORD

This standard which is identical with ISO 7707: 1986 'Commercial road vehicles — Connections for rear-mounted power take-offs (PTO)' was adopted by the Bureau of Indian Standards on 17 March 1990, after the draft finalized by the Automotive Transmission Systems Sectional Committee (TED 3) had been approved by the Transport Engineering Division Council.

The text of ISO standard has been approved as suitable for publication as Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear, referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use point (.) as the decimal marker.

CROSS REFERENCES

In this Indian Standard, the following International Standard is referred to. Read in its place the following:

1

International Standard

Corresponding Indian Standard

Degree of Correspondence Identical

ISO 7706 : 1986 Road vehicles — Commercial vehicles — Clearance envelope for power take-offs (PTO)

- IS 12971 : 1990 Road vehicles Commercial vehicles — Clearance envelope for power take-offs (PTO)

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1 Scope and field of application

This International Standard specifies the essential dimensions of connections for rear-mounted power take-offs (PTO). These specifications are applicable to all installations of power takeoffs at the back of transmission gearboxes of commercial vehicles.

2 Reference

ISO 7706, Road vehicles – Commercial vehicles – Clearance envelope for power take-offs (PTO).

3 Specifications

This International Standard defines three connection types for rear-mounted PTOs :

- Type A
- Type B
- Type E

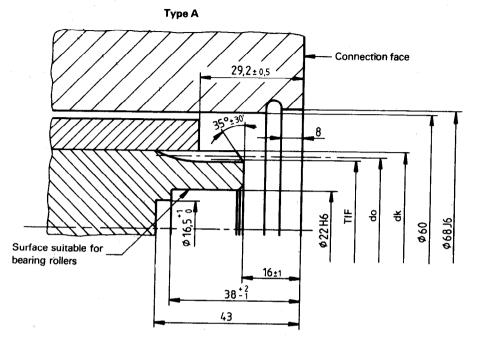
Type A is, however, recommended if the design of the transmission permits. Type E may be used for stepped PTOs.

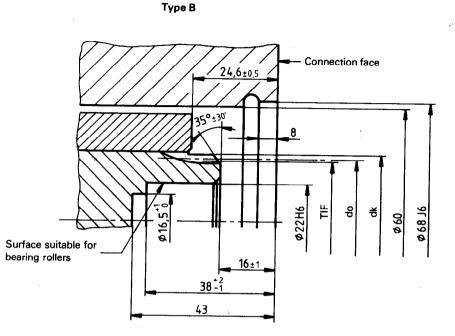
4 Designation

Example for the designation of a type A connection for a rearmounted PTO :

PTO rear connection ISO 7707-A

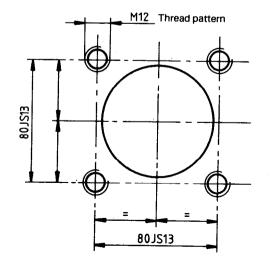
Connections for rear-mounted PTO





Spline data

No. of teeth :	12
Standard module :	3,25
Pressure angle :	20°
TIP diameter :	44,4 h11
Reference diameter :	39,0
Form diameter :	38,85
Span over two teeth :	16,21 16,16



Spline data	
No. of teeth :	12 \
Standard module :	3,0
Pressure angle :	20°
TIP diameter :	39,9 h11
Reference diameter :	36,0
Form diameter :	35,35
Span over two teeth	13,98 13.92
opull over two teetil ,	13,92

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Doc: No. TED 3 (5242)

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