
International Standard 7804

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Commercial road vehicles — Side openings for truck power take-offs

Véhicules routiers utilitaires — Fenêtre latérale pour prise de puissance sur camion

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Descriptors : road vehicles, commercial road vehicles, power take-off, openings, classification, designation, dimensions.

Foreword

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International Standard ISO 7804 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

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Commercial road vehicles — Side openings for truck power take-offs

1 Scope and field of application

This International Standard lays down the dimensions of side openings for truck power take-offs. These specifications are applicable for all general installations of power take-offs on the transmission gear box of trucks and tractors where the size of the transmission permits.

2 Definition

gear depth : Distance from transmission face to pitch line of power take-off drive gear.

3 Specifications

3.1 Types

This International Standard defines two types of side opening :

- Type R : regular duty type, 6 bolts M10
- Type H : heavy duty type, 8 bolts M12

Both types are specified with two alternative gear depths and subdivided accordingly.

3.2 Type R

Type R shall have one of the following gear depths :

- Type R1 : 20 ± 10 mm
- Type R2 : 70 ± 10 mm

Type R1 shall comply with the requirements of figure 1.

Type R2 shall comply with the additional requirements of figure 2.

3.3 Type H

Type H shall have one of the following gear depths :

- Type H1 : 14 ± 10 mm
- Type H2 : 64 ± 10 mm

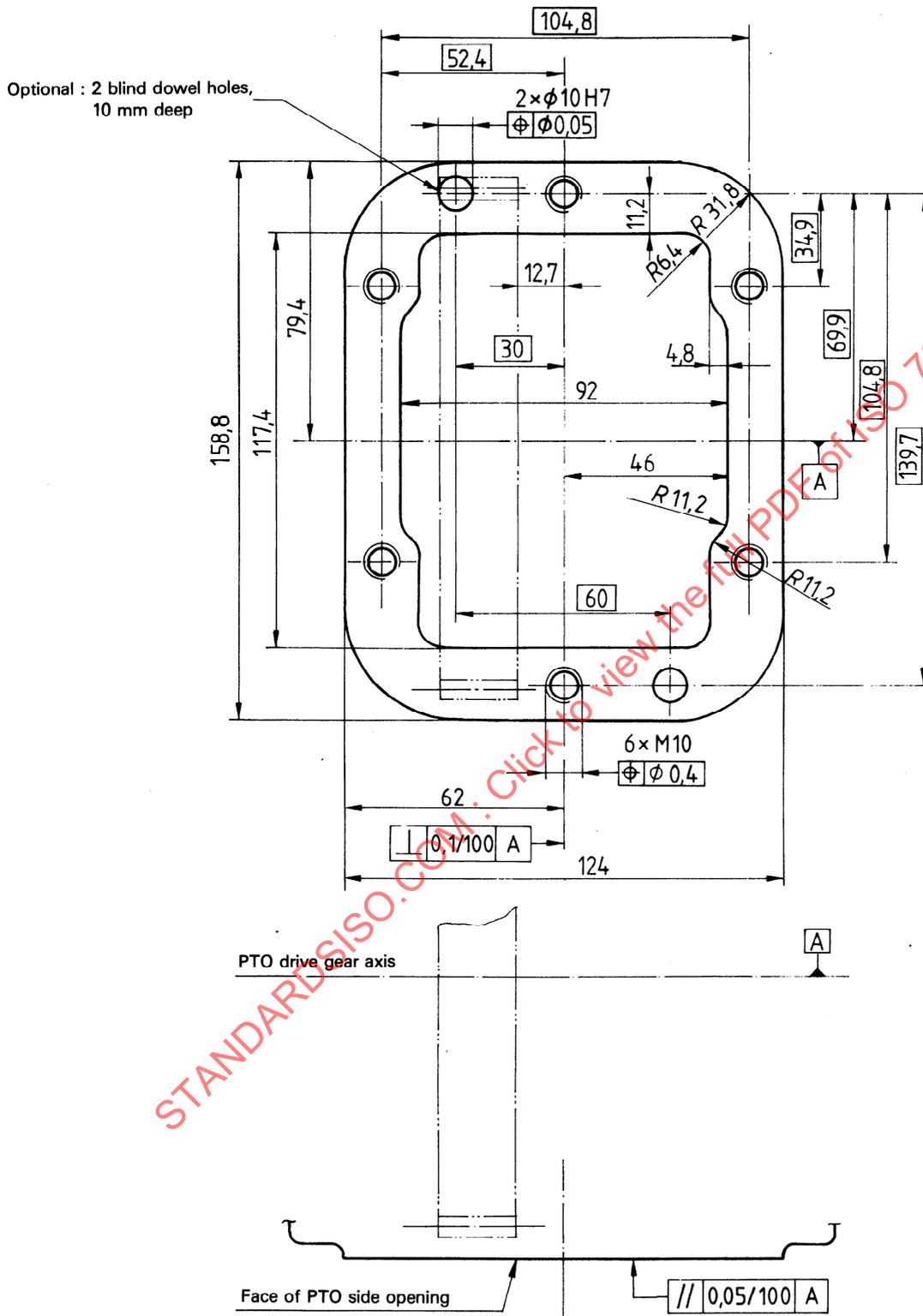
Types H1 and H2 shall comply with the requirements of figure 3.

4 Designation

Example for the designation of a 6 bolt M10 side opening (type R) with gear depth 20 ± 10 mm (code 1) :

PTO opening ISO 7804-R1

Dimensions in millimetres

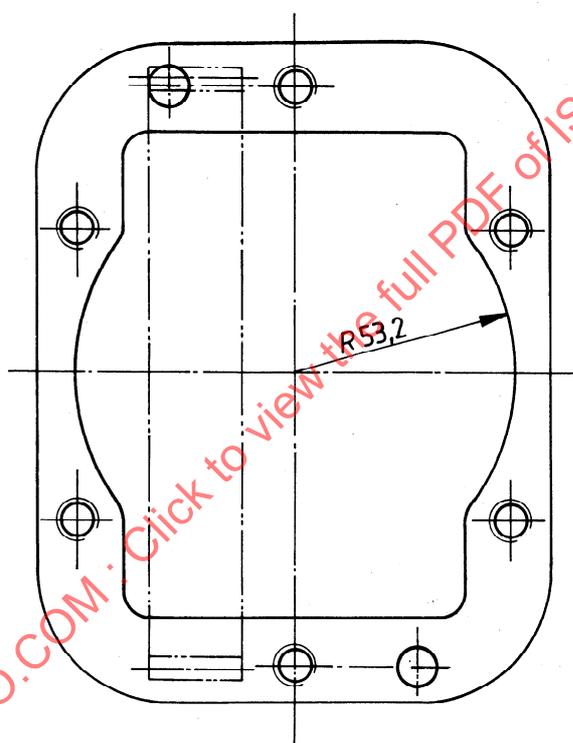


NOTES

- 1 Gear data and backlash are specified by gearbox manufacturer.
- 2 PTO drive gear may be located either side of the vertical centre-line

Figure 1 – Type R regular duty type 6 bolts M10 – Type R1

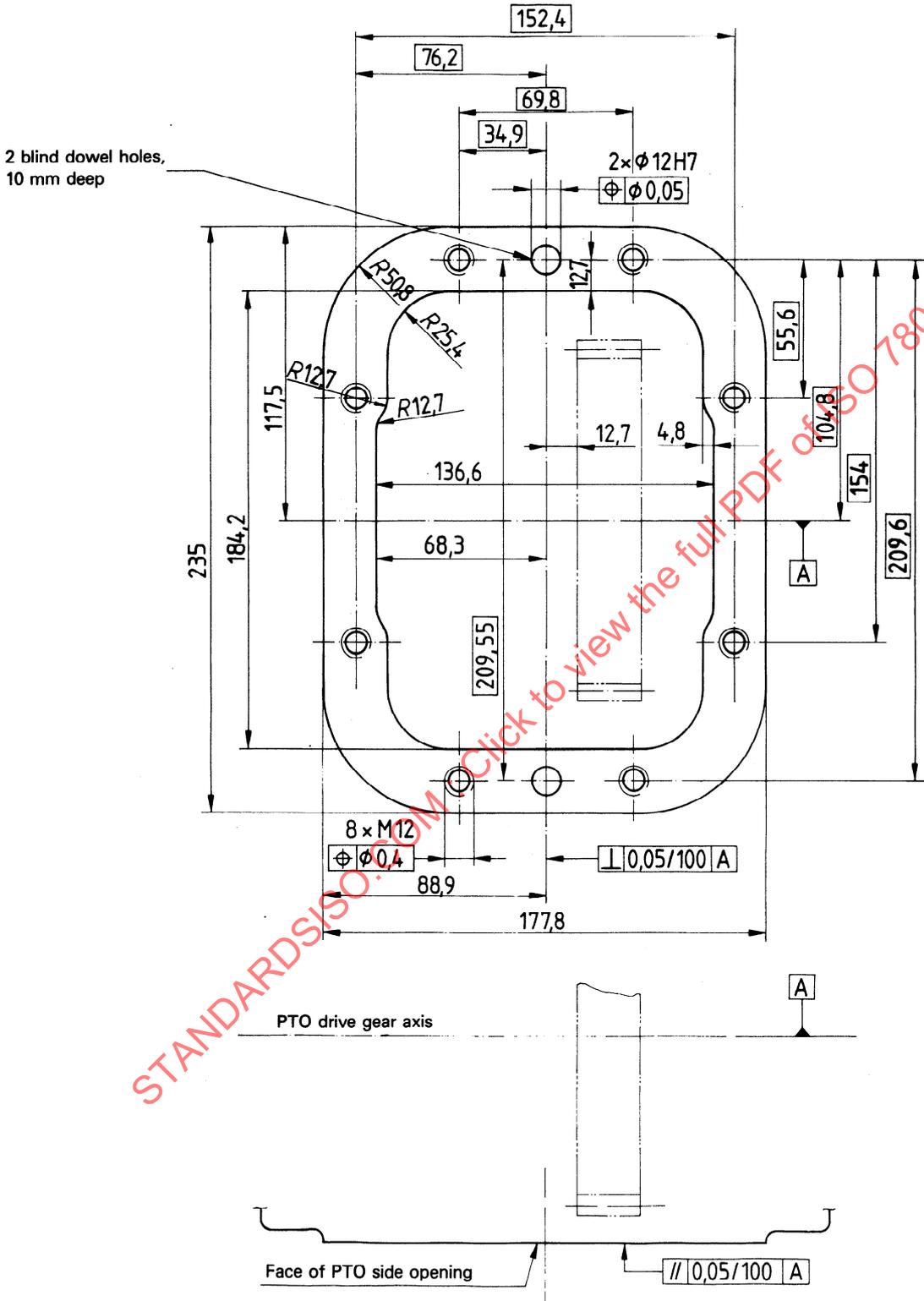
Dimension in millimetres



NOTE — For all other dimensions, see figure 1.

Figure 2 — Type R regular duty type 6 bolts M10 — Type R2 (wide centre opening)

Dimensions in millimetres



NOTES

- 1 Gear data and backlash are specified by gearbox manufacturer.
- 2 PTO drive gear may be located either side of the vertical centre-line.

Figure 3 — Type H (H1 and H2) heavy duty type 8 bolts M12