

Screwdrivers



1 Introduction

Screwdrivers are arguably the most popular and easiest-to-use tools we have. It is believed that these tools trace their roots back to the Middle Ages, where they were used to tighten screws on suits of armor.

While this tool has retained most of its original shape and design, it has had to evolve to meet the needs of the new world. Today, there are numerous types of screwdrivers, each designed to fulfill different kinds of applications. To allow you to find the best tool for your needs, the following is a guide to the different types of screwdrivers and their uses.

2 Flathead screwdrivers

Also known as: straight, slotted, flat blade

Flathead screwdrivers are the oldest types of drivers. They feature a flat-planed blade that fits into screws with single, straight slots. They come in various sizes to meet the size requirements of the screw.

Today's flatheads feature pointed parallel ends to enhance their grip on the slot. This prevents incidents of slipping, which can lead to damage of the surrounding material or injury to your hand.

3 **Phillips Head screwdrivers**

Also known as: crosshead

Phillips Head drivers get their second name from their cross design. These drivers come with angled tips to allow them to fit deeper into the screw head, thus reducing the chances of the driver sliding out. This design also allows you to apply greater force to the driver.

4 **Robertson screwdrivers**

Also known as: square head drivers

Robertson drivers originate from Canada, which is where they are most commonly used. They are not as popular in other parts of the world. And they aren't your common screwdriver; they come with a sunken square socket that allows them to have one of the highest force tolerance of any screwdriver. This is because they have no tip, thus eliminating any chance of the driver slipping. Thanks to their durability, this driver finds application in the automotive and furniture industry.

5 **Spanner driver**

Also known as: pig-nose, snake-eye

This screwdriver features a two-prong tip that resembles a barbecue fork. It works on flathead screw heads that feature two small cutouts on the sides. As a result, these screws cannot be removed without this particular driver. Thanks to their uniqueness, these screws and their drivers are used to fasten fixtures¹⁾ in restrooms, elevators, and bus terminals.

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noot 1 fixtures = houders aan muur of plafond, voor bijvoorbeeld lampen of handdoekautomaten

Let op: de laatste vragen van dit examen staan op de volgende pagina.

- 1p 30 Wat is de belangrijkste verandering in de ontwikkeling van schroevendraaiers volgens alinea 1?
- A Er bestaan nu verschillende soorten schroevendraaiers voor verschillende toepassingen.
 - B Het handvat van moderne schroevendraaiers is anders dan dat van oude.
 - C Schroevendraaiers gaan nu langer mee omdat ze van harder materiaal gemaakt kunnen worden.
- 1p 31 Wat is er verbeterd aan de moderne platte schroevendraaier ten opzichte van vroeger? (alinea 2)
- A Daarmee heb je meer houvast.
 - B Die is in grootte aan te passen.
 - C Die past op meerdere soorten schroeven.
- 1p 32 Wat is een voordeel van kruiskopschroevendraaiers volgens alinea 3?
- A Je hoeft er maar één maat van te hebben.
 - B Je krijgt er diepliggende schroeven mee los.
 - C Je kunt er extra veel kracht mee zetten.
- 2p 33 Geef voor elke bewering aan of die juist of onjuist is volgens alinea's 4 en 5.
Omcirkel 'juist' of 'onjuist' in de uitwerkbijlage.
- 1 Robertson-schroevendraaiers worden weinig buiten Canada gebruikt.
 - 2 Robertson-schroevendraaiers worden door meubelmakers gebruikt.
 - 3 'Spanner drivers' kan je gebruiken om kapotte schroeven mee los te krijgen.
 - 4 'Spanner drivers' kan je gebruiken voor toepassingen in bijvoorbeeld liften.

Bronvermelding

Een opsomming van de in dit examen gebruikte bronnen, zoals teksten en afbeeldingen, is te vinden in het bij dit examen behorende correctievoorschrift.