

# Grinders

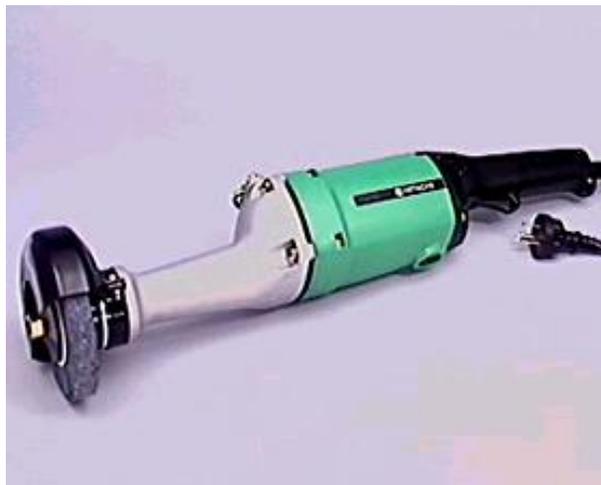
Name: \_\_\_\_\_

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## Power grinder

Power grinders come in different \_\_\_\_\_ and \_\_\_\_\_ ranges. The size of a power grinder is normally determined by the \_\_\_\_\_ of the largest grinding wheel or disc that can be fitted to it. Grinding \_\_\_\_\_ and \_\_\_\_\_ usually have a maximum safe operating speed printed on them. This maximum speed must never be \_\_\_\_\_ or the wheel or disc could \_\_\_\_\_. Every well-equipped workshop has a solidly mounted grinder, either on a \_\_\_\_\_ bolted to the workshop floor, or securely attached to the workbench. Appropriate \_\_\_\_\_ must be worn when grinders are being used, and the \_\_\_\_\_ must be correctly and firmly in place.

A **bench grinder** or pedestal grinder normally has a rating with the size of the grinding wheel it can take. Bench or pedestal mounted grinders take grinding wheels in grades from \_\_\_\_\_ to very \_\_\_\_\_, depending on the size of the \_\_\_\_\_ that are \_\_\_\_\_ together to make the wheel. They also range in \_\_\_\_\_, depending on the abrasive used and the material that \_\_\_\_\_ the particles together. If a particular grinding application is required, a \_\_\_\_\_ should be done to find out the most suitable grinding wheel for it.



A **straight grinder** or more commonly, an \_\_\_\_\_ grinder is needed when the \_\_\_\_\_ grinder is not appropriate. The straight grinder takes conventional grinding \_\_\_\_\_, just like the stationary grinders, although they're \_\_\_\_\_ to a grinding wheel \_\_\_\_\_ of about 125 millimeters or 4 3/4 inches.

The **angle grinder** uses \_\_\_\_\_, rather than \_\_\_\_\_. During grinding, the face of the \_\_\_\_\_ is used instead of the edge. There are special discs that can be fitted to these machines that can be used for \_\_\_\_\_. They use the edge of the wheel and are useful for jobs that can't be reached with a \_\_\_\_\_.

