



Article published on August 8th 2012 | [Business](#)

Abrasive wheels consist of abrasive elements bonded together with the use of inorganic or organic substances. They are used to grind, cut or even shave in order to correct faults on uneven planes. There are different kinds of wheels and it is important to utilize the most appropriate one to attain best results.

## Safety in the Use of Abrasive Wheels

Only people who are trained can work with an abrasive wheel because if an accident occurs with its use, it can be very dangerous. Hazards happen when there is an ejection of wheel pieces or contact with it. It is vital that workers are aware of the safety measures to be taken while using abrasive wheels.

An abrasive wheel at sea forms an important part in a ship's workshop; in fact, it is a versatile tool. However, it has to be used with care otherwise it can be risky. Following safety procedures can protect you and reduce the chances of accidents. Mishaps can be avoided at a grinding machine, if the following steps are followed.

Machines mounted on benches have to be bolted. The operator should have the controls of the machine. Wheels must be well guarded. A new wheel should be thoroughly inspected for cracks or other damage. Wheel mounting should only be carried out by experts. Operators should have thorough training before using them.

## All about Grinding Wheels

Grinding machines make use of grinding wheels. These expendable wheels are composed of abrasive compounds; they are made out of solid steel or aluminum disc. The structure of the wheel reveals its density. It's easier to cut with a wheel of low density. Manufacturing wheels is performed under very strict conditions because of the natural risks involved and also due to chance of an explosion while it revolves.

Grinding wheels are of different types; straight wheel is a common type found on bench grinders. A tapered wheel is straight but tapers towards the centre of the disc. Cylinder wheels have no mounting support at the centre but the surface is broad and long. Saucer wheel is unique and useful for grinding milling cutters and twist drills. Grinding of concrete, carbide tips and gemstones are done with diamond wheels.

## Suppliers of Abrasive Wheels

There are many abrasive suppliers in UK and across the world that supply abrasives and distribute quality products to big and small industries. Customized abrasive cut wheels are provided by these manufacturers. Normally, clients are advised by an expert team as per the requirements of the customer. There is a wide range of abrasive blades and several ancillary products too.

Abrasive suppliers provide products for a variety of industries that include manufacturing industries, foundries, medical products, railways, construction and also sports and leisure industries.

Article Source:

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Article Keywords:

Abrasive Wheels,Grinding Wheels,Abrasive Suppliers

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