



Grinding Wheel Configurations and Uses

Bonded abrasive wheels have different configurations depending upon the tool on which the wheel is used and the desired end results. Below are the configurations that a wheel can have.

Type 1A (ISO 41) CUTTING	Type 1 GRINDING	Type 27A CUTTING	Type 27 BLENDING GRINDING	Type 28 GRINDING	Type 29 BLENDING GRINDING	Type 11 GRINDING
Straight Wheel	Straight Wheel	Depressed Center Wheel	Depressed Center Wheel	Saucer-shaped Wheel	Flexible Wheel Flap Disc	Flared Cup Wheel
Type 1A (ISO 41) Used at a 90° angle for cutting only. No grinding.	Bench or Type 1 Used for edge grinding at a 50°-90° angle. Not for cutting applications.	Type 27A To be used at a 90° angle for light cut-off work.	Type 27 For use on flat surfaces for weld prep, usually on bar stock or angle iron. Tool best used at a 30° angle. No cutting.	Type 28 To be used for weld preparation and de-burring surfaces. Tool usually used at a 15° angle, to cover greater surface area and allow better visibility.	Type 29 For blending and stock removal on uneven surfaces, best used at a 10° angle. This allows user to use one wheel for grinding and finishing.	Type 11 Steel-Concrete Used for removing excess material and build-up on large flat surfaces, allowing for maximum surface area coverage – tool used perpendicular to work.

A=Wheel diameter B=Wheel width or thickness C=Wheel bore

SPECIFY:

Cutting Wheels – Please specify metal or masonry.

Available in 4½”, 7”, 12” and 14”; specify 1” or 20mm arbor.

Depressed Center Grinding Wheels – Please specify metal or masonry.

Available in 4½”, 7”, 12” and 14”; 5/8 - 11” arbor.

ATLAS ABRASIVES COMPANY

Flared Cup Wheels

Flared cup wheels are used for fast rough grinding of major blemishes in concrete. Designed for use with standard grinding machines they come with a built-in 5/8" diameter threaded mount. Flared cup wheels are available in 4" or 6" diameter.



Rubbing Blocks, 3 x 6 and 3-1/2 x 8

Fluted concrete rubbing blocks are a low-cost, fast cutting hand tool for removing concrete form and mold marks. They are also recommended for dressing all types of concrete surfaces. The flutes provide better shearing action and reduce cement dust loading. These blocks are available from MCS with or without handle, in two popular sizes.

