Wire Brush Safety Instructions

WORK SMART – WORK SAFE

SAFETY GOGGLES:
Safety Goggles or full face shields worn over safety Glasses with side shields MUST BE WORN by all OPERATORS and OTHERS IN THE AREA OF POWER BRUSH OPERATIONS. Comply with the requirements of ANSI Z78.1 (“Occupational Eye and Face Protection”).

GUARDS:
Keep all machine guards in place.

SPEEDS:
Observe all speed restrictions indicated on the brushes, containers, labels, or printed pertinent literature. “MSS or MAX. SFS” means Maximum safe Free Speed (R.P.M.)-spinning free with no work applied: For reasons of Safety, the “MSFS/MAX. SFS” should not be exceeded under any circumstances.

SAFETY STANDARD:
Comply with the Safety Standards of the American National Standards Institute, ANSI B165.1 and ANSI B165.2 –“Safety Requirements – Power Brushes.

PROTECTIVE EQUIPMENT:
Appropriate protective clothing and equipment (such as full face shield, gloves, respirator, etc.) must be used where a possibility of injury exists that can be prevented by such equipment.

BEFORE STARTING BRUSH:
Use eye protection and safety equipment; inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the speed limit, DO NOT mount the brush. Inspect and jog the machine to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work – DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.

Warning: In normal power brushing operations, the material being removed, such as burrs, scale, dirt, weld slag, or other residue, will fly off the brush with considerable force along with the brush filaments, which break off due to fatigue. The potential of serious injury exists for both the brush operator and others in the work area (possibly 50 or more feet from the brush). To protect against this hazard, before rotating the brush, during rotation, and until rotation stops, operators and others in the area must wear SAFETY GOGGLES, OR FULL FACE SHIELDS WORN OVER SAFETY GLASSES WITH SIDE SHIELDS, and use PROTECTIVE CLOTHING and EQUIPMENT. You must follow all operator and safety instructions, as well as common safety practices which will reduce the likelihood or severity of physical injury.

INSPECTION AND STORAGE:
Upon receipt, inspect brushes for damage, rust, and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments/components or foreign matter to become lodged in brush face.

DUST AND FUMES:
Wear respiratory protection against this hazard (see ANSI Z88.2).
BRUSHING PROBLEMS:
DO NOT ALLOW UNSAFE OPERATIONS TO CONTINUE – Occasionally, due to worn bearing, a bent spindle, an unusual application, operator abuse or inappropriate use, a brush may fail. Do not use or continue to use a failed brush or one that is functioning improperly (i.e., throwing filaments, out of balance, etc.), as this increases the possibility for further brush failure and hazard of injury. The cause of the failure should be evaluated and corrected immediately.

SAFETY INFORMATION:
Many Brush Manufacturers mark some safety warnings, recommendations, and usage restriction directly on the product. It is not always practical to include even the most limited safety information on the brush itself. Therefore, before operating the brush, the operator must read and follow all instructions supplied in or on the product container, as well as those marked on the product itself. The operator should also refer to the safety and operating information printed in the brush or power tool manufacturer’s catalog, instruction manual, and other literature.

PRESSURE:
Avoid excessive pressure when using a power brush. Excessive pressure causes over bending of the filaments and heat buildup resulting in filament breakage, rapid dulling, and reduced brush life. Instead of greater pressure on a brush, it is suggested that you try: (1) a brush with a more aggressive cutting action (increased wire size, decreased filament length, change to a different brush type, i.e., knot type instead of crimped wire type), or (2) higher speed (increase R.P.M., increased brush diameter). IMPORTANT NOTE: Never exceed the recommended MAXIMUM SAFE FREE SPEED R.P.M. (MSFS/MAKS. SFS) rating of the brush.

Availability of ANSI Standard:
Contact ANSI 1430 Broadway; New York, NY 10018

“This information for users is provided solely as a public service. These recommendations are not necessarily complete for any particular application, and you should follow common sense safety consideration. Federal, state, or local laws or regulations must be strictly obeyed and control over these recommendation.”