



**Security measures on the use of grinders (non-exhaustive). Attend one of our free safety seminars. For more information, call us at 1-888-592-5837.**

1. Always unplug the tool when changing an abrasive.



2. Always use an abrasive with a diameter that corresponds to the tool used (ie: 5" wheel on a 5" grinder). The maximum RPM on a wheel should be equal to or greater than the RPM of the grinder used.



3. Examine the wheel for damages or defects prior to installation (ie: ring test).



4. Inspect flanges for damage or wear.



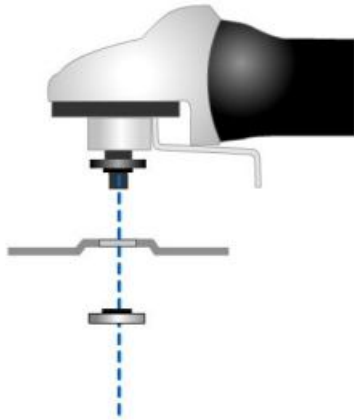
5. Make sure the back flange is well in place on the grinder's spindle shoulder.



6. Make sure the wheel is placed flat on the back flange.



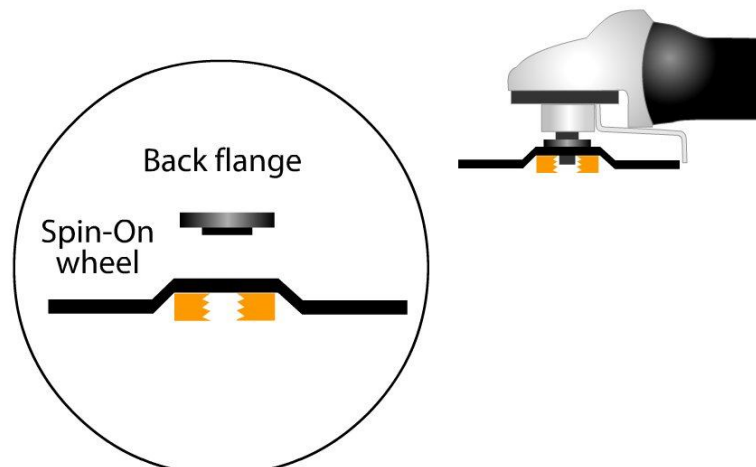
- Center the rear nut, the grinding wheel and the tightening nut. The shoulder of the clamping nut should be oriented towards the inside of the wheel for better centering (for ¼ inch wheels).



- Tighten the wheel and make sure all is correctly in place. Do not over tighten.



- Always mount the Spin-On wheel using a back flange.

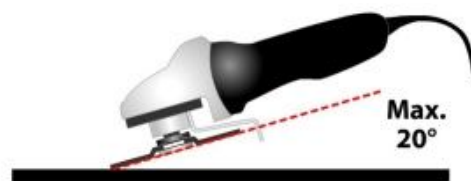


10. Always use a safety guard and make sure it is positioned properly to protect you when using the grinder.



11. Make sure the work piece is secured before cutting.

12. Always grind at a 15° to 20° angle. Never grind flat.



13. After the wheel has been safely mounted, always start the grinder in a safe direction for you and others around you.



14. Always use personal protective equipment such as goggles, face shield, mask, gloves, protective clothing, etc. to prevent burns that can be caused by sparks.



15. Adequate pressure :

- Excessive pressure:
  - i. Risk of grinder failure
  - ii. Added work
  - iii. Can break the grinding wheel
  - iv. Rapid wear of grinding wheel
  
- Very light pressure:
  - i. Less productive
  - ii. Less removal
  - iii. Grinding wheel may glaze (grains no longer cut)

16. If an excessive vibration is felt, stop the grinder, find the source and correct the problem before reusing the grinder.

17. Choose the grinding wheel according to the material of the work piece. There are different wheels for steel stainless steel, aluminum...

18. The grinding wheels are sensitive to impact; to be handled and stored with care. Keep your abrasives in the original packaging and away from high temperatures and liquids.