

Forge Area Induction

General PPE:

Required:

Safety Glasses

Leather shoes

natural fibre clothing (Cotton, wool, hemp, denim, drill etc are all excellent choices.)

Long Trousers

Recommended:

Hearing protection

long sleeve shirt (natural fibre)

steel cap shoes

hat/cap (natural fibre)

Apron

For use as necessary:

Leather gloves

#2- #3 shade brazing goggles

How to light the gas forge:

Ensure ball valve (yellow handle) is closed.

Ensure air/venturi adjustment port is closed.

Connect gas bottle securely

Open gas bottle valve and check for leaks. If there's leaks check and tighten connections.

Adjust the gas flow valve to a medium flow.

Use some firelight or a long nose BBQ lighter to provide a pilot light in the forge.

Open Ball valve fully.

Once lit, open and adjust the air/venturi port until the flame changes to a strong jet within the forge.

Adjust gas flow valve and air/venturi port until desired burner strength is achieved.

How to extinguish the gas forge:

If you are not finished forging for the day, you can use the ball valve for ease of use. Close the air/venturi port to prevent a heat chimney. While the forge is still red hot it will relight instantly.

When you are finished forging for the day, close the valve on the gas bottle, and let the forge run until the line is clear of gas.

Close the ball valve and air/venturi port, and disconnect the gas bottle.

Do's & don'ts of the gas forge:

The gas forge is for steel only. Absolutely no hazardous materials such as lead should be placed into the forge – This will earn you an instant 3 month ban as we will need to replace the forge for safety. Certain metals such as copper/brass/titanium *may* be used in the gas forge after a discussion around the required precautions. (eg: melted copper in the forge will permanently contaminate the forge and prevent all future forge welding from being successful. Precautions to avoid melting copper into

the forge should be taken)

Don't use borax in the forge, unless discussed prior & appropriate precautions are taken.

Do use the forge hook for pulling items close to the front before picking them up.

Don't leave the forge unattended while in use.

General Forge Area Safety

Bring a water bottle – forging is hot work and you need to keep your hydration levels up.

Always remove cut off hardy's from the anvil hardy hole when not in use.

Find the right height anvil for you – you will generate more power and injure yourself less.

Check tong fit on your cold steel first.

Assume everything is hot – use the back of your hand to check for radiant heat first.