



Schmiedewerke Gröditz  
**GMH GRUPPE**

# SEAMLESS ROLLED / FORGED RING

## For Pellet Die (Pellet Press)

### Steel grades

- X46Cr13
- 20MnCr5
- X55CrMoV15
- 35NCD16
- 34CrNiMo6
- C45

### Dimensions

- OD 300 – 4,000 mm
- W 10 – 4,000 kg

### Execution

Seamless rolled or forged (partly profiled if required), specialised soft annealing process ( $1.4034 < 190 \text{ HB}$ ) or any other heat treatment depending on steel grade, with or without machining

### Remarks

- Min. quantity 1 pc
- Own steel production plant

### Services

- Standard die dimensions on stock
- Profiled dies
- Quotation within 24 hours

The dies are used for the manufacture of animal feed pellets and for energy / heat production (wood / waste pellets)

## MAIN FIELDS OF APPLICATION



Mechanical engineering  
and plant construction



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# SUSTAINABILITY

## Economy and Ecology

We are always thinking ahead because we know that business success and environmental protection go hand in hand.

All the raw material used for our production of pellet die blanks is produced within our own steel mill in Gröditz.

Using an electric arc furnace, we still speak about almost **100% recycled steel** saving energy and cutting CO<sub>2</sub> emissions.

We are aware that we have to bear responsibility regarding an environmentally sustainable production and therefore improve our processes continuously.

A couple of years ago we decided to take the next step and improve our production of pellet die blanks considering the whole product life cycle. As usually using scrap sourced from all over the world having a different quality and alloy content, we are now focused on the input of scrap which has still been used within the product life cycle producing the pellet die. Most of the pellet dies are worn after a couple of weeks or months and then have to be replaced by a new one. Furthermore, during production of the dies up to 50% of the steel has to be scrapped in form of chips while doing different kind of machining operations.

Thanks to our partners and customers today we still reach almost 40% share using worn dies as well as chips during our steel production and intend to increase that share to about 80% within the next 3 years.

We kindly ask you to support us reaching our goals making the next new pellet die to be replaced by a 'green one' – the **"Green Die"**.

## Would you like to join us as a **decarbonization pioneer?**

Get in touch with us!