

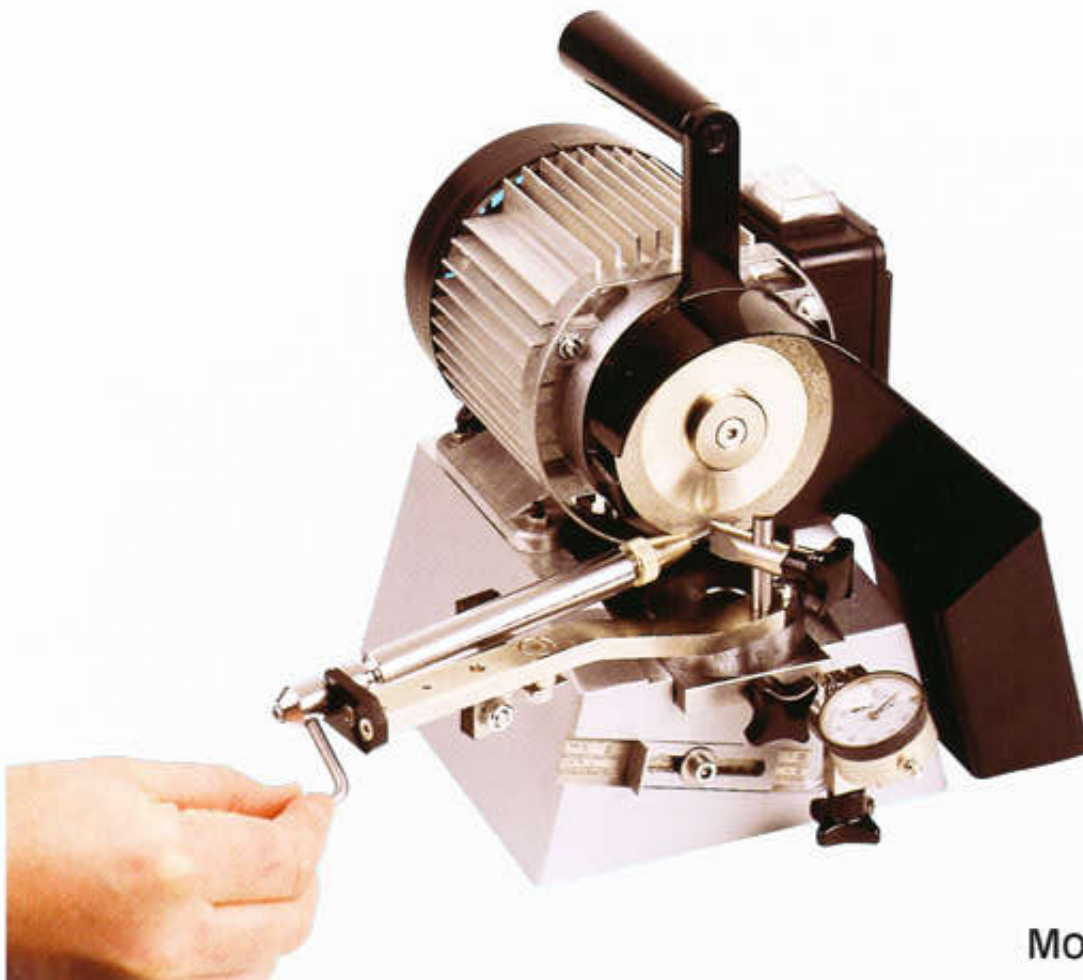


# Tungsten-Electrode-Grinder

For tungsten electrodes with diameter from 1,0 up to 5,0 mm (0.040-1/5")



Own Production,  
with Diamond Grinding Disc



Optimal  
Welding  
and  
Cutting  
Quality  
by means of  
longitudinal  
grinding

Model TIG 10/175

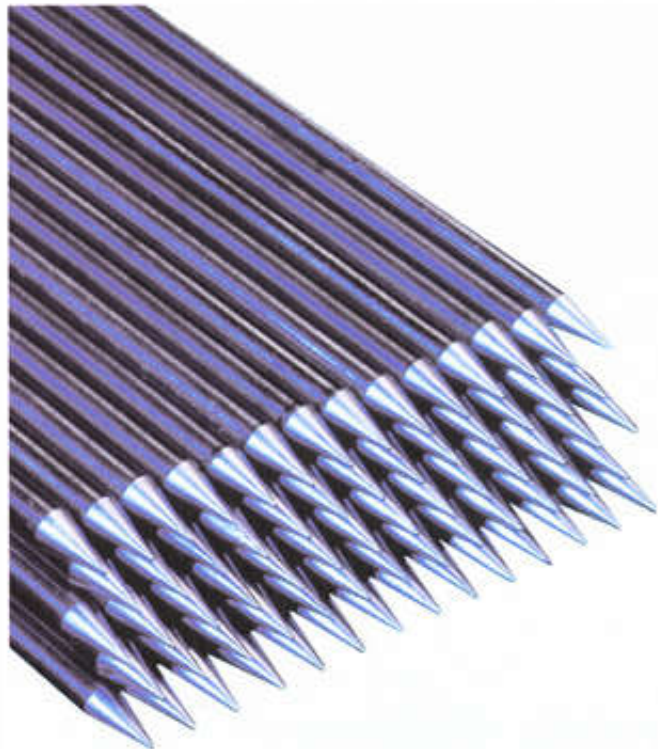
Made in Germany

# Designed by Welding Experts for the Welding Industry



## Advantages at a glance

- Cutting and grinding can be done with the same diamond grinding disc
- Optimal welding and cutting results by means of central longitudinal grinding
- Grinding angle can be chosen free and direct from 0–90°
- No warped grinding – even not with used electrodes
- Excellent contact-free ignition quality even after hundreds of ignitions
- Stable arc with best weld seam quality by means of controlled melting zones when orbital and hand welding is used
- Exact repeatability of the grinding angle to guarantee your welding parameter
- For tungsten electrodes with diameter from 1,0-5,0 mm (0.040-1/5") and lengths from 10-175 mm (0.4-7") in an accuracy of  $\pm 0,01$  mm (0.0004") (with additional dial gauge).
- Easy handling





# Tried and Tested:

## Tungsten Electrode Grinder:

### The complete system:

- Certified and approved vacuum cleaner with 115 V or 230 V
- Efficient and low-maintenance motor
- Steel-cupboard with working pad and dedusting device
- Flexible halogen lamp
- Diamond grinding disc for dry grinding
- Suitable for every tungsten electrode and surface condition

Grain 64 "very fine" for grinding 1,0 mm (0.040") and polishing

Grain 76 "middling fine" for grinding 1,0-2,4 mm (0.040-3/32")

Grain 126 "fine" for grinding 1,0-5,0 mm (0.040-1/5")

Grain 151 "coarse" for rough-grinding

- Shortening of electrodes in a few seconds can be done by means of notching at the same disc and splitter-free breaking.

This also applies to damaged or polluted electrodes.

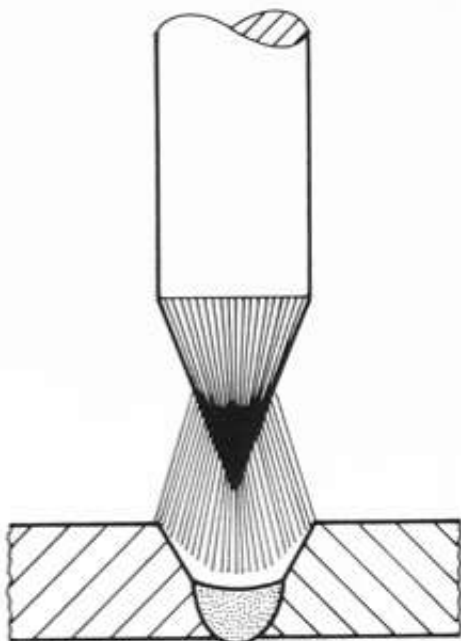


Caution: For safety reasons always pull the plug before touching the disc.

Wear a safety glove when touching the disc. Wear eye protection and respirator while grinding or breaking electrodes.

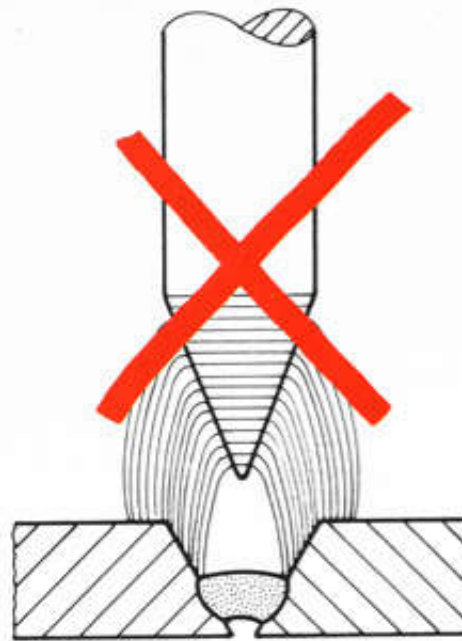


# The right grinding of your tungsten electrodes:

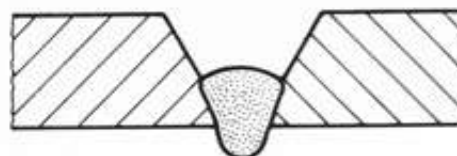


Longitudinal grinding:  
advantageous narrow melt zone

The precise longitudinal grinding of tungsten electrodes is a precondition for an optimal welding quality. By means of maximum surface conditions of the tungsten electrode tips the exact repeatability of the welding parameter can be granted.



Circular grinding:  
disadvantageous heat effects into flanks



Your supplier:

#### Technical data:

Motor: 230 V~, 50 Hz, 2800 r.p.m.,  
0,18 KW, protection degree IP 55  
or 115 V~, 50 Hz, 2720 r.p.m.,  
0,18 KW, protection degree IP 55

Diamond disc: Ø 90 mm (3,54")

Grinding range: Electrode diameter 1,0-5,0 mm  
(0.040-1/5")  
Electrode length 10 up to 175 mm  
(0.4-7")

Grinding angle: 0-90° infinitely variable

Weight: 10,1 kg, without cupboard  
53,0 kg, with cupboard and  
vacuum-cleaner