

# gapstar® ONE

THE NEW EDM HIGH PERFORMANCE WIRE WITH  
THE bedra TRIMPAC TECHNOLOGY

**bedra**  
intelligent wires

# TRIMPAC



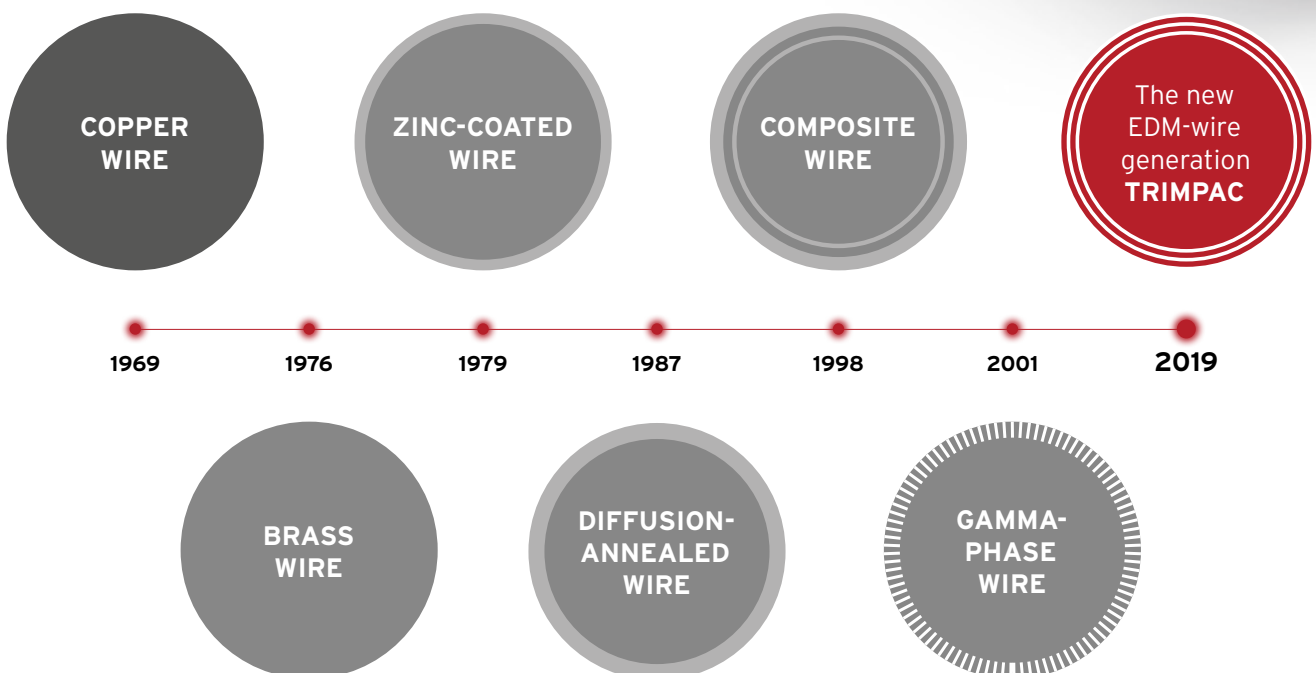
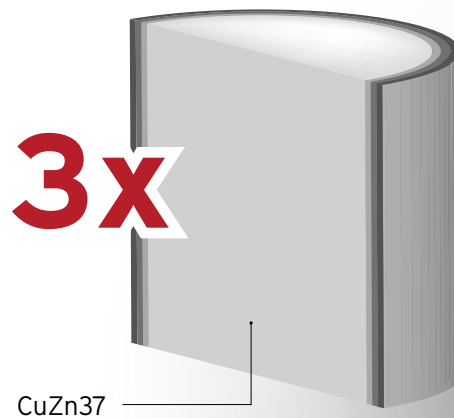
## THE NEW bedra TECHNOLOGY

**PATENTED**

From the strengths of the wire generations **cobra-cut**®, **broncocut**® and **topas**® bedra developed in 2019 the new coating technology **TRIMPAC**.

### TRIPLE IMPACT SHEATH:

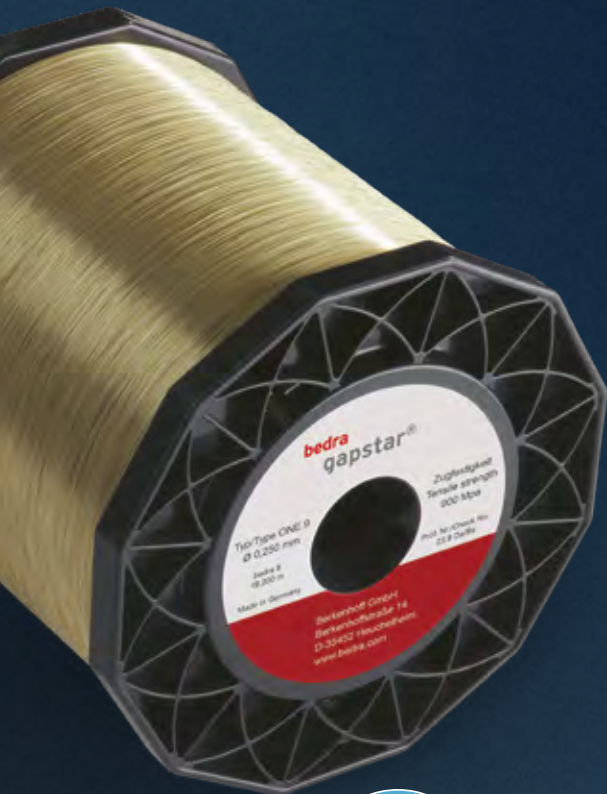
- New heat treatment
- Zinc-enhanced coating
- Structured surface





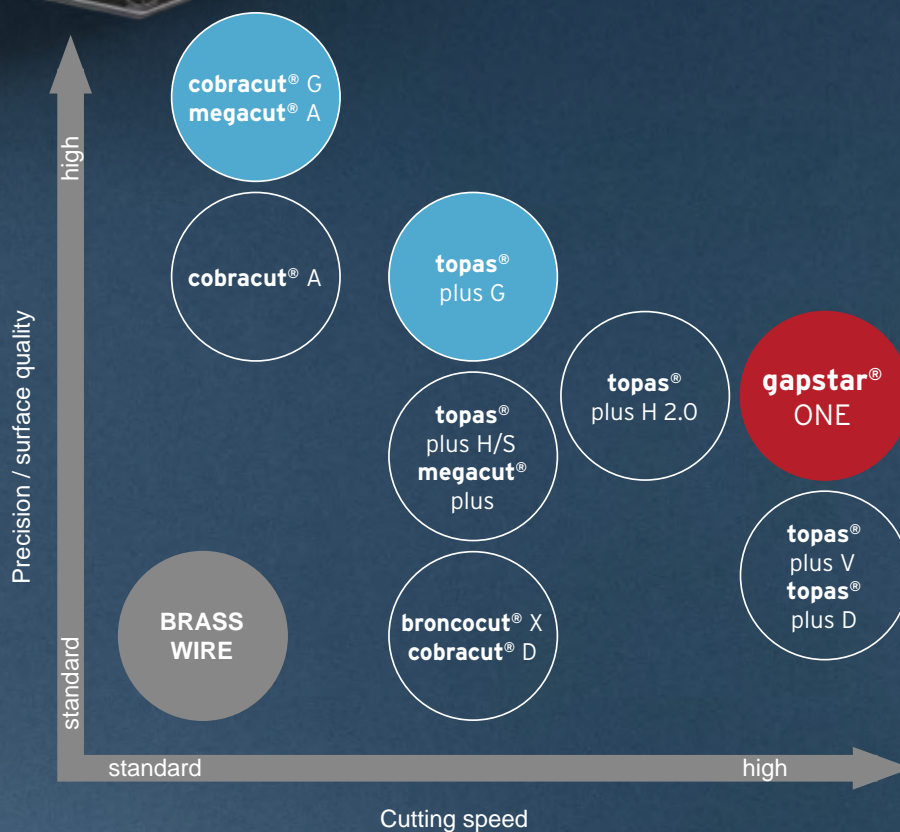
# gapstar® ONE

## THE NEW GENERATION OF HIGH PERFORMANCE WIRES



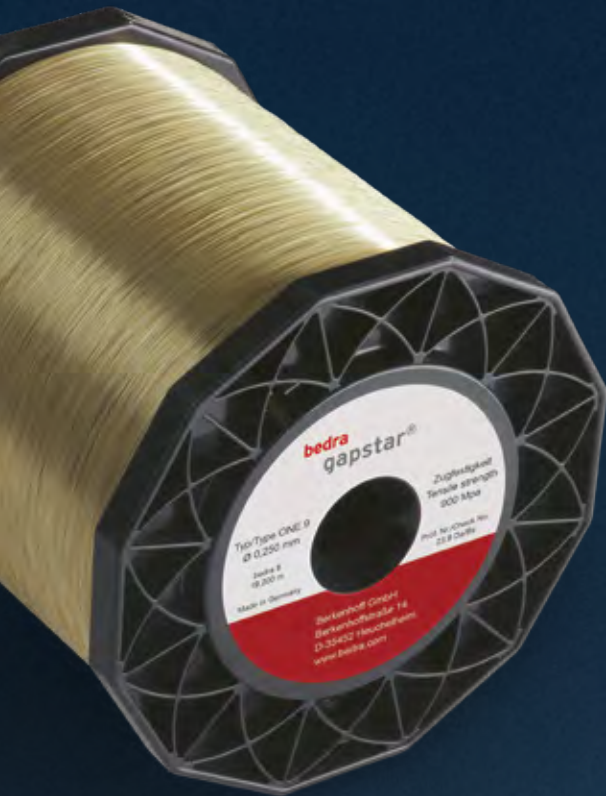
Being the pioneer in all EDM wire generations, bedra considered the best features of its high performance wires from former generations to invent a new outperforming electrode. The result is **gapstar® ONE**.

- **Unprecedented cutting performance for a wide range of applications**
- **Uncompromising precision and surface quality**
- **Increased stiffness and excellent straightness for automatic threading**

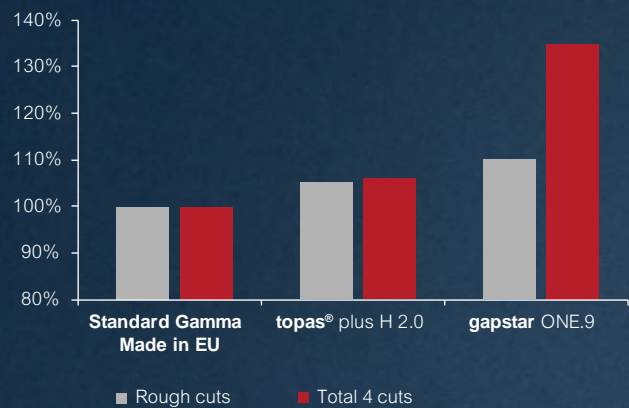


# Up to 37% savings

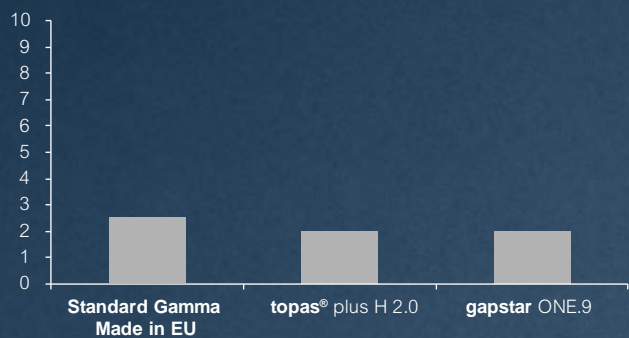
Save now:  
Cost comparison calculator



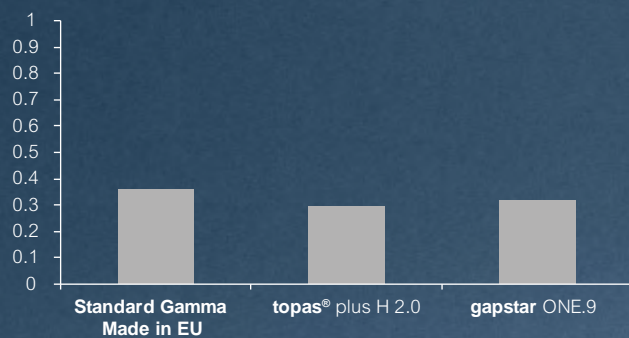
## Cutting rate



## Precision ( $\mu\text{m}$ )



## $R_a$ ( $\mu\text{m}$ )



## gapstar® ONE.9

Work material	Tool steel
Thickness (mm)	50
Wire diameter (mm)	0.25
Technology	4 cuts $R_a = 0.30 \mu\text{m}$



# gapstar® ONE

... available in 3 variants, which differ from each other in strength and thus also in elongation:

**gapstar® ONE.9**  
(900 MPa)

**gapstar® ONE.5**  
(500 MPa)

**gapstar® ONE.4**  
(430 MPa)

Extra soft  
version for  
extreme taper  
cutting

Soft  
version for  
taper  
cutting

## Features

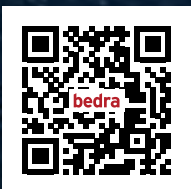
- Significant increase of feed rates in rough cut and trimcuts without adjustments
- Reduced abrasion of wire preserves wire guides and power contacts
- Novel TRIMPAC coating enables roughness on the workpiece of  $R_a = 0,25 \mu\text{m}$
- Reliable, automatic wire threading

	gapstar® ONE.9	gapstar® ONE.5	gapstar® ONE.4
Core		CuZn37	
Coating		TRIMPAC	
Color		Amber Brown	
Tensile strength (MPa)	900	500	430
Elongation (%)	1	10	> 30
Diameter (mm)	0.20 / 0.25 / 0.30	0.25	0.25
Spool types		bedra 8, bedra 16 K250, K355 P5, P10, P15	

Berkenhoff GmbH  
Rehmühle 1  
35745 Herborn / Germany

Phone: +49 2772 5002 0  
Fax: +49 2772 5002 155  
info@bedra.com  
[www.bedra.com](http://www.bedra.com)

As of 08/2022.  
The content of this brochure is protected by copyright.  
Copyright Berkenhoff GmbH. Errors excepted, subject to technical modifications.



**bedra**  
intelligent wires