



# bedra EDM

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HIGH-TECH SOLUTIONS  
FOR SPARK EROSION

**bedra**  
intelligent wires



# HIGHLIGHTS

## betterbrass

**betterbrass** delivers a performance never seen before in a brass wire

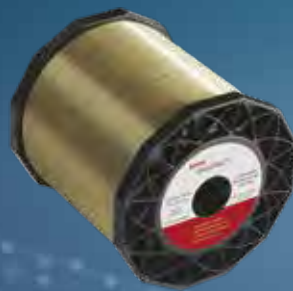
- Extremely reliable performance
- Plug-and-Play on all machine types
- Cuts up to 10% faster than traditional brass wire
- This electrode utilizes innovative and efficient production processes to deliver performance never seen before in a traditional brass wire
- **betterbrass** is available in 2 versions that differ from each other only in tensile strength - and thus also in elongation:
  - **betterbrass** ONE.9 (900 MPa)
  - **betterbrass** ONE.5 (500 MPa)



## gapstar® ONE

The new EDM high performance wire with the bedra TRIMPAC technology

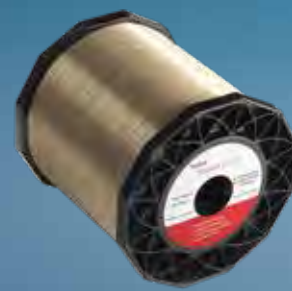
- Unprecedented cutting performance for a wide range of applications
- Uncompromising precision and surface quality
- **gapstar®** ONE is available in 3 versions that differ from each other only in strength- and thus also in elongation:
  - **gapstar®** ONE.9 (900 MPa)
  - **gapstar®** ONE.5 (500 MPa)
  - **gapstar®** ONE.4 (430 MPa)



## topas® plus G

Special electrode that combines high cutting performance with highest precision

- Gamma phase EDM wire with high tensile strength
- Excellent surface quality and precision in contour and parallelism
- Up to 10% higher cutting speed as compared to zinc coated wire.



### Technical data

Core	CuZn40 special alloy
Tensile strength	900 MPa/ 130000 PSI (ONE.9), 500 MPa/ 72500 PSI (ONE.5)
Elongation	> 1% (ONE.9), > 10% (ONE.5)
Color	Pyrit gold

Core	CuZn37
Coating	TRIMPAC
Tensile strength	900 MPa/ 130000PSI (ONE.9), 500 MPa/ 72500PSI (ONE.5), 430 MPa/ 62300 PSI (ONE.4)
Elongation	> 1% (ONE.9), > 10% (ONE.5), > 30% (ONE.4)
Color	Amber Brown

Core	CuZn37
Coating	special layer
Tensile strength	900 MPa / 130000 PSI
Elongation	> 1%
Color	Grey-gold

### Delivery program

mm	0.20	0.25	0.30
K160: 8kg	•	•	•
K200: 16kg		•	•
K250: 25 kg		•	•
K355: 45 kg		•	•
P5: 5 kg	•	•	•
P10: 10 kg		•	•
P15: 20 kg		•	•

mm	0.20	0.25	0.30
bedra8: 8kg	•*	•	•*
bedra16: 16kg	•*	•	•*
K250: 25 kg		•	•*
K355: 45 kg		•	•*
P5: 5 kg	•*	•	•*
P10: 10 kg	•*	•	•*
P15: 20 kg	•*	•	•*

\* only ONE.9

mm	0.20	0.25
bedra8: 8kg	•	•
bedra16: 16kg	•	•
K250: 25 kg	•	•



# CLASSIC

## VERY HIGH PRECISION / VERY GOOD SURFACE QUALITY

### cobracut® Type A

Hard zinc-coated EDM wire for highest precision

Technical data

Core	CuZn37
Coating	Zn
Tensile strength	900 MPa / 130000PSI
Elongation	> 1%
Color	Bright silver

Delivery program

mm	0.15	0.20	0.25	0.30	0.33
bedra4: 4 kg	•				
bedra8: 8 kg	•	•			
bedra16: 16 kg		•	•	•	
K250: 25 kg		•	•	•	
K355: 45 kg			•	•	

### cobracut®

Soft zinc-coated EDM wire for taper cutting

Core	CuZn37
Coating	Zn treated
Tensile strength	500 MPa / 72500 PSI
Elongation	> 15%
Color	Light-grey

mm	0.15	0.20	0.25	0.30	0.33
bedra4: 4 kg		•	•		
bedra8: 8 kg		•	•		
bedra16: 16 kg		•	•		
K160: 6 kg		•	•		
K250: 25 kg		•	•		

## HIGHEST PRECISION / BEST SURFACE QUALITY

### cobracut® Type G

For highest precision, even for steep taper cutting on AGIE-machines with toroid guide

Technical data

Core	CuZn37
Coating	Zn treated
Tensile strength	900 MPa / 130000 PSI
Elongation	> 1%
Color	Light-grey

Delivery program

mm	0.15	0.20	0.25	0.30	0.33
bedra8: 8 kg	•	•	•	•	
bedra16: 16 kg		•	•	•	
K250: 25 kg		•	•	•	
K355: 45 kg			•	•	

### megacut® Type A

For highest precision on Japanese machines

Core	CuZn37
Coating	Zn treated
Tensile strength	900 MPa / 130000 PSI
Elongation	> 1%
Color	Light-grey

mm	0.15	0.20	0.25	0.30	0.33
bedra8: 8 kg	•	•	•	•	
bedra16: 16 kg		•	•	•	
P5: 5 kg	•	•	•	•	
P10: 10 kg		•	•	•	
P15: 20 kg		•	•	•	



## HIGH CUTTING RATE /HIGH PRECISION

### topas® plus H

High speed cutting wire for AGIE and all standard Japanese machines

#### Technical data

Core	CuZn37
Coating	Gamma brass
Tensile strength	800 MPa / 116000PSI
Elongation	> 1%
Color	Grey-gold

#### Delivery program

mm	0.15	0.20	0.25	0.30	0.33
bedra8: 8 kg		•	•	•	
bedra16: 16 kg		•	•	•	•
K250: 25 kg		•	•	•	•
K355: 45 kg			•	•	•
P5: 5 kg		•	•	•	
P10: 10 kg		•	•	•	
P15: 20 kg		•	•	•	

### megacut® plus

High cutting performance and precision on Japanese machines.

Core	CuZn37
Coating	Gamma brass
Tensile strength	900 MPa / 130000 PSI
Elongation	> 1%
Color	Yellow-gold

mm	0.15	0.20	0.25	0.30	0.33
K160: 8 kg			•		
P5: 5 kg			•		
P10: 10 kg			•		
P15: 20 kg			•		

### topas® plus X

High speed cutting wire for Charmilles machines with X-technology

#### Technical data

Core	Cu
Coating	Zinc rich brass, double layer
Tensile strength	500 MPa / 72500 PSI
Elongation	> 1%
Color	Brown

#### Delivery program

mm	0.15	0.20	0.25	0.30	0.33
bedra8: 8 kg			•	•	•
bedra16: 16 kg			•	•	•
K250: 25 kg			•	•	•
K355: 45 kg			•	•	•
P10: 10 kg			•	•	
P15: 20 kg			•	•	

### broncocut® Type X

Fast and precise EDM wire, recommended for Charmilles machines

Core	Cu
Coating	CuZn50
Tensile strength	520 MPa / 75420 PSI
Elongation	> 1%
Color	Brown

mm	0.15	0.20	0.25	0.30	0.33
bedra4: 4 kg			•		
bedra8: 8 kg			•	•	
bedra16: 16 kg			•	•	
K125: 3,5 kg			•		
K250: 25 kg			•	•	
K355: 45 kg			•	•	
P5: 5 kg			•	•	
P10: 10 kg			•	•	
P15: 20 kg			•	•	



# FINE WIRES

## microcut® CCA

For high demands in microerosion

Technical data

Core	CuZn37
Coating	Zn treated
Tensile strength	1000 MPa / 145038 PSI
Elongation	> 1%
Color	Grey

Delivery program\*

mm	0.07	0.10
bedra4: 10,000m		
bedra4: 20,000m	•	•
bedra4: 30,000m	•	•
bedra4: 60,000m		•

\* other dimensions upon request

## microcut® SF

Gamma-phase fine wire for economical machining in micro erosion

Core	Special alloy
Coating	Gamma brass
Tensile strength	1200 MPa / 174045 PSI
Elongation	> 1%
Color	Grey-gold

mm	0.07	0.10
bedra4: 20,000m	•	•
bedra4: 30,000m	•	•
bedra4: 60,000m		•

\* other dimensions upon request

## microcut® MF2A

For ambitious micro erosion applications requiring an even higher tensile strength

Technical data

Core	Copper-cladded steel
Coating	Gamma brass
Tensile strength	2400 MPa / 348090 PSI
Elongation	> 1%
Color	Grey

Delivery program\*

mm	0.05	0.07	0.10
bedra4: 5,000m	•	•	
bedra4: 10,000m	•	•	
bedra4: 20,000m		•	•
bedra4: 30,000m		•	•

\* other dimensions upon request

## microcut®

For sophisticated processing in microerosion

Core	Copper-cladded steel
Coating	Beta brass
Tensile strength	2000 MPa / 290075 PSI
Elongation	> 1%
Color	Gold

mm	0.03	0.05	0.07	0.10
BK100: 5.000m	•	•	•	
BK100: 10.000m		•	•	
bedra4: 20,000m			•	•
bedra4: 30,000m			•	•

\* other dimensions upon request

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