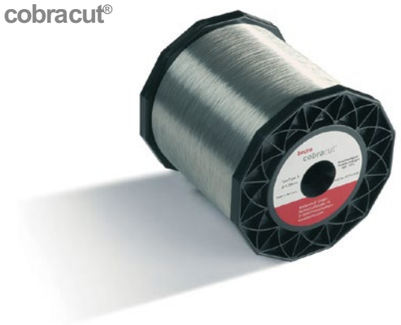
cobracut®



The **cobracut®** series of coated wire electrodes was developed together with Agie. They are suitable for a number of different machine models and practical applications.

cobracut THE ORIGINAL bedra top quality

cobracut®

- zinc-coated wire electrode
- particularly suitable for high tapering due to its high elongation
- limited suitability for secure automatic threading

	core material	coating material	tensile strength	elongation	colour
cobracut®	CuZn36	Zn treated	500 MPa	15%	light grey
Ø [mm]	0,20	0,25			
spools / kg					
bedra4 / 4,0	•	•			
bedra8 / 8,0	•	•			
bedra16 / 16,0	•	•			
spools / kg					
K160 / 6,0	•	•			
K250 / 25,0	•	•			

cobracut® type A

- our recommendation hard zinc-coated wire electrode
- for highest demands on reproducible precision and surface quality
- high straightness for proper automatic threading

	core material	coating material	tensile strength	elongation	colour
cobracut® type A	CuZn36	Zn	900 MPa	1%	bright silver
Ø [mm]	0,15	0,20	0,25	0,30	
spools / kg					
bedra4 / 4,0	•[1]				
bedra8 / 8,0	•	•	•[1]	•[1]	
bedra16 / 16,0		•	•	•	
spools / kg					
K250 / 25,0		•	•	•	
K355 / 45,0			•	•	

[1] automatic threading not guaranteed

cobracut® type G

- harder surface than type A
- particularly suited for taper cutting on Agie machines with toroid guides
- excellent cylindricities and surfaces, particularly with higher workpieces on machines of the Evolution and Vertex series

	core material	coating material	tensile strength	elongation	colour
cobracut® type G	CuZn36	Zn treated	900 MPa	1%	light grey
Ø [mm]	0,15	0,20	0,25	0,30	
spools / kg					
bedra8 / 8,0	•	•	•[1]	•[1]	
bedra16 / 16,0		•	•	•	
spools / kg					
K250 / 25,0		•	•	•	
K355 / 45,0			•	•	

[1] automatic threading not guaranteed

cobracut®

	core material	coating material	tensile strength	elongation	colour
cobracut® type D	CuZn20	CuZn50	800 MPa	1%	yellow brown
Ø [mm]	0,15	0,20	0,25	0,30	
spools / kg					
bedra8 / 8,0	•				
bedra16 / 16,0		•	•	•	
spools / kg					
K250 / 25,0		•	•	•	
K355 / 45,0			•	•	

cobracut® type D

- developed for EDM machines with high-power generators
- high thermal and electrical conductivity
- for speed cutting as well as contour precision enables cutting
- enables automatic threading

	core material	coating material	tensile strength	elongation	colour
cobracut® type S	CuZn20	CuZn50	800 MPa	1%	yellow brown
Ø [mm]	0,30	0,33			
spools / kg					
bedra16 / 16,0	•	•			
spools / kg					
K250 / 25,0	•	•			
K355 / 45,0	•	•			

cobracut® type S

- improvement of the **cobracut®** type D: better removal performance due to its thicker diffusion layer
- particularly suitable for EDM mass production
- enables automatic threading

	core material	coating material	tensile strength	elongation	colour
cobracut® type W	CuZn20	CuZn50	430 MPa	>30%	yellow brown
Ø [mm]	0,25				
spools / kg					
bedra4 / 4,0	•				
bedra8 / 8,0	•				
bedra16 / 16,0	•				

cobracut® type W

- suitable for all types of machines
- particularly suitable for high tapering
- very high cutting rates