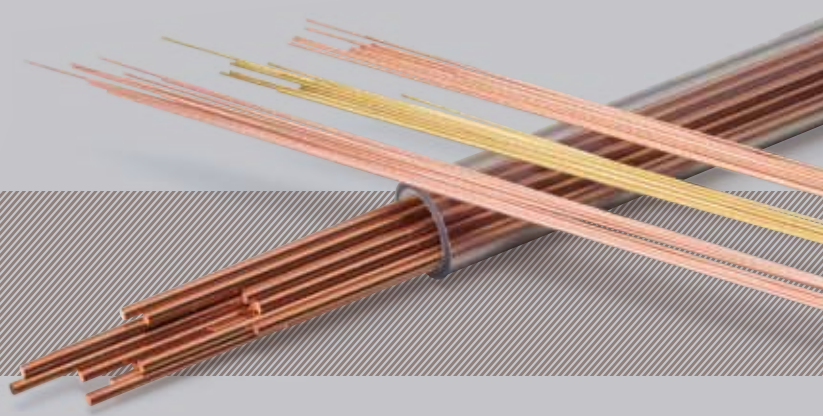


Pipe electrodes for fine-hole machining

CT-Pipe



CT-Pipe characteristics

Our original inspection methods ensure excellent straightness and holes at both ends free of burrs and corrosion, etc.

Electrode specifications (inner and outer diameters) are set in advance based on processing performance tests. We manufacture and sell optimally consistent products thanks to thorough quality control.

1 Characteristics of slit (SL)-type electrodes

Pipe electrodes with slits have been developed for fine-hole machining. They feature rotating electrodes capable of boring holes without leaving an internal core and pave the way for stable and deep hole-boring with minimal variation in diameter.

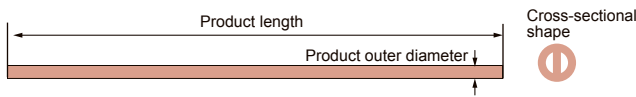
2 Characteristics of Cu- & Bs-pipe electrodes

① Excellent electrical conductivity makes copper pipes (Cu) ideal for applications requiring processing speed.

② Brass pipes (Bs) outperform Cu in strength terms and also stand out for their lower electrode consumption during processing.

You can choose a product depending on your specific processing application.

SL-pipe electrodes - product list



BSSL-pipe (brass pipe with slits) electrodes

Product series	Product code / length		Outer diameter	Outer diameter tolerance
	300mm	400mm		
SL	21010503	21010505	0.50	+0 -0.01
	21010603	21010605	0.60	
	21010703	21010705	0.70	
	21010803	21010805	0.80	
	21010803	21010905	0.90	
	21011003	21011005	1.00	+0 -0.02
	21011103	21011105	1.10	
	21011203	21011205	1.20	
	21011303	21011305	1.30	
	21011403	21011405	1.40	
	21011503	21011505	1.50	
	21011603	21011605	1.60	
	21011703	21011705	1.70	
	21011803	21011805	1.80	
	21011903	21011905	1.90	
	21012003	21012005	2.00	
	21012103	21012105	2.10	+0 -0.03
	21012203	21012205	2.20	
	21012303	21012305	2.30	
	21012403	21012405	2.40	
21012503	21012505	2.50		
21012603	21012605	2.60		
21012703	21012705	2.70		
21012803	21012805	2.80		
21012903	21012905	2.90		
21013003	21013005	3.00		

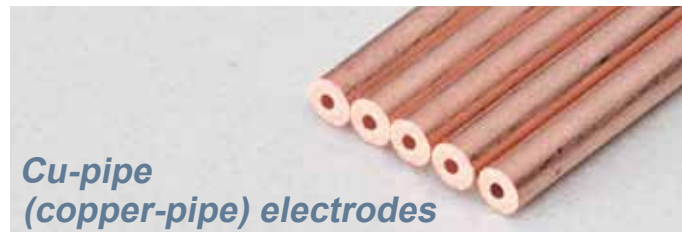
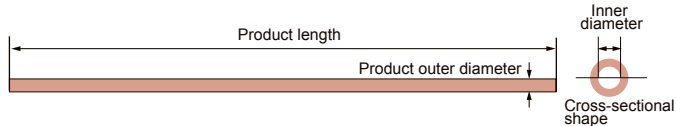


CUSL-pipe (copper pipe with slits) electrodes

Product series	Product code / length		Outer diameter	Outer diameter tolerance
	300mm	400mm		
CUSL	2040403	2040405	0.40	+0 -0.01
	2040503	2040505	0.50	
	2040603	2040605	0.60	
	2040703	2040705	0.70	
	2040803	2040805	0.80	
	2040903	2040905	0.90	+0 -0.02
	2041003	2041005	1.00	
	2041103	2041105	1.10	
	2041203	2041205	1.20	
	2041303	2041305	1.30	
	2041403	2041405	1.40	
	2041503	2041505	1.50	
	2041603	2041605	1.60	
	2041703	2041705	1.70	
	2041803	2041805	1.80	
	2041903	2041905	1.90	
	2042003	2042005	2.00	+0 -0.03
	2042103	2042105	2.10	
	2042203	2042205	2.20	
	2042303	2042305	2.30	
2042403	2042405	2.40		
2042503	2042505	2.50		
2042603	2042605	2.60		
2042703	2042705	2.70		
2042803	2042805	2.80		
2042903	2042905	2.90		
2043003	2043005	3.00		

Please contact us if you require electrodes of other diameters and dimensions.

Hollow-pipe electrodes - product list



Cu-pipe (copper-pipe) electrodes

Product series	Product code / length			Outer diameter	Outer diameter tolerance	Inner diameter	Inner diameter tolerance
	200mm	300mm	400mm				
Cu	2050201	—	—	0.20	+0 -0.01	0.10	±0.02
	2050251	—	—	0.25			
	—	2050303	2050305	0.30			
	—	2050353	2050355	0.35			
	—	2050403	2050405	0.40			
	—	2050453	2050455	0.45			
	—	2050503	2050505	0.50			
	—	2050603	2050605	0.60	+0 -0.02	0.20	
	—	2050703	2050705	0.70			
	—	2050803	2050805	0.80			
	—	2050903	2050905	0.90			
	—	2051003	2051005	1.00			
	—	2051103	2051105	1.10			
	—	2051203	2051205	1.20			
	—	2051303	2051305	1.30			
	—	2051403	2051405	1.40			
	—	2051503	2051505	1.50			
	—	2051603	2051605	1.60			
	—	2051703	2051705	1.70			
	—	2051803	2051805	1.80			
	—	2051903	2051905	1.90			
	—	2052003	2052005	2.00			
	—	2052103	2052105	2.10	+0 -0.03	0.70	
	—	2052203	2052205	2.20			
	—	2052303	2052305	2.30			
	—	2052403	2052405	2.40			
	—	2052503	2052505	2.50			
	—	2052603	2052605	2.60			
	—	2052703	2052705	2.70			
	—	2052803	2052805	2.80			
—	2052903	2052905	2.90				
—	2053003	2053005	3.00				

Please contact us if you require electrodes of other diameters and dimensions.

Bs-pipe (brass-pipe) electrodes

Product series	Product code / length			Outer diameter	Outer diameter tolerance	Inner diameter	Inner diameter tolerance
	200mm	300mm	400mm				
Bs	—	2060303	2060305	0.30	+0 -0.02	0.12	±0.02
	—	2060403	2060405	0.40			
	—	2060503	2060505	0.50			
	—	2060603	2060605	0.60			
	—	2060703	2060705	0.70			
	—	2060803	2060805	0.80			
	—	2060903	2060905	0.90			
	—	2061003	2061005	1.00			
	—	2061103	2061105	1.10	+0 -0.03	0.30	
	—	2061203	2061205	1.20			
	—	2061303	2061305	1.30			
	—	2061403	2061405	1.40			
	—	2061503	2061505	1.50			
	—	2061603	2061605	1.60			
	—	2061703	2061705	1.70			
	—	2061803	2061805	1.80			
	—	2061903	2061905	1.90			
	—	2062003	2062005	2.00			
	—	2062103	2062105	2.10			
	—	2062203	2062205	2.20			
	—	2062303	2062305	2.30			
	—	2062403	2062405	2.40			
	—	2062503	2062505	2.50			
	—	2062603	2062605	2.60			
	—	2062703	2062705	2.70			
	—	2062803	2062805	2.80			
	—	2062903	2062905	2.90			
—	2063003	2063005	3.00				

Cu-pole pipe electrodes - product list



Cu-pole (copper rod) electrodes

Product series	Product code / length		Outer diameter	Outer diameter tolerance
	200mm	300mm		
Cu	2091001	2091003	1.00	+0
	2091501	2091503	1.50	-0.02
	2092001	2092003	2.00	-0.02
	2092501	2092503	2.50	+0
	2093001	2093003	3.00	-0.03



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