

Standards:		capilla® 501 K
EN 14700:	E Co-3-55-tzcs	
(DIN 8555):	E 20-UM-55 CTZ	
AWS:	~E CoCr-C	
Recovery:	130%	

Product description:	Applications:
Core wire alloyed stick electrode for overlays on sealing surfaces exposed to high pressure at elevated temperatures. The weld metal has excellent sliding properties on steels and a good cavitation resistance.	Qualified for wear and heat resistant overlays on non-, low and high alloyed steels and steel cast which are heat-, rust- and acid-resisting. The weld metal stands out due to its very good coefficient of friction in case of metal to metal wear and its capability to be highly polished. The weld metal is scaling resistant.
	Machining: grinding

Typical weld metal composition:

[wt. - %]

	C	Cr	W	Co
Min.	2,2	28	12	
Max.	2,6	32	14	Bal.

Mechanical properties:

(without heat treatment; minimum values at ambient temperature)

Hardness:	53 – 57	[HRC]
	43 – 47	[HRC] at 600°C

Positions: PA; PB; PC

Redrying: 320°C/2h

Dimension:	Ø [mm]	Length [mm]	Welding current [A]	Polarity
	2,5	350	70 – 100	=(+)~
	3,25	350	90 – 120	
	4,0	350	120 - 155	
	5,0	350	150 - 190	

also available:
find in table of content

Capilla 501 EHL
Capilla 501 WIG

Capilla G 501 MM (tubular wire)
Capidur 501