



## Products for wire industry

carbon products & supplies for industry

**Carbonex**<sup>®</sup>



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## Carbon Brushes



### DC motors

Customised brush grades and designs for all operating conditions and optimal motor performance



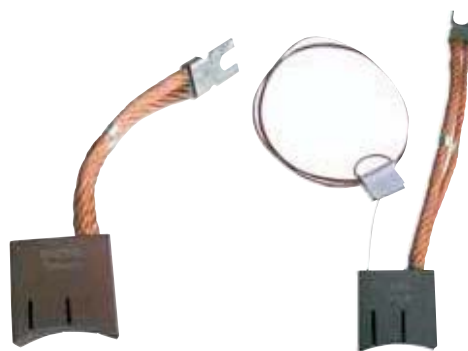
### DC motor

E. g. with tinned wire for bad environmental conditions



### Slip rings (e. g. for bunchers)

Optimal transfer of power and signal current with adapted grades



### Wire annealers

OEM approved brush grades for all loads !  
also with wear sensors

## Brush holders



### Brush holders

Holders for DC motors, annealers, bunchers, slip rings !  
die casted or sheet metal ! every design is possible

## Grade recommendations

### Wire annealing

Grade	Metal content %	Opt. perm. current density A/cm <sup>2</sup>	Remarks
E43	0	12	For carbon/carbon systems Ring material: FE85
E43Z3	0	12	Wire annealers, low load
A24	40	18	Low load
A20	50	20	Low load
C40Z3	75	25	Universal grade, multiwire annealers
B25	90	27	breakdown lines, for high loads
B14Z1	90	27	breakdown lines, for high loads
B15	90	27	breakdown lines, for high loads
C50	90	27	breakdown lines, for high loads, lead free

### Wire drawing, Bunchers

Grade	Metal content %	Opt. perm. current density A/cm <sup>2</sup>	Remarks
E43	0	12	Power
E43Y3	0	12	Power, high mechanical strength
A30	25	16	Power
U7044	5	!	Data transfer
U1762	5	!	Data transfer, self cleaning
S13	60	!	Data transfer

### DC motors

Grade	Metal content %	Opt. perm. current density A/cm <sup>2</sup>	Remarks
E49	!	12	Wire drawing
F51	!	8	Wire drawing
E101	!	12	Wire drawing, extruders, standard grade
E108	!	12	Wire drawing, extruders, self cleaning



[www.carbonex.gr](http://www.carbonex.gr)

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