



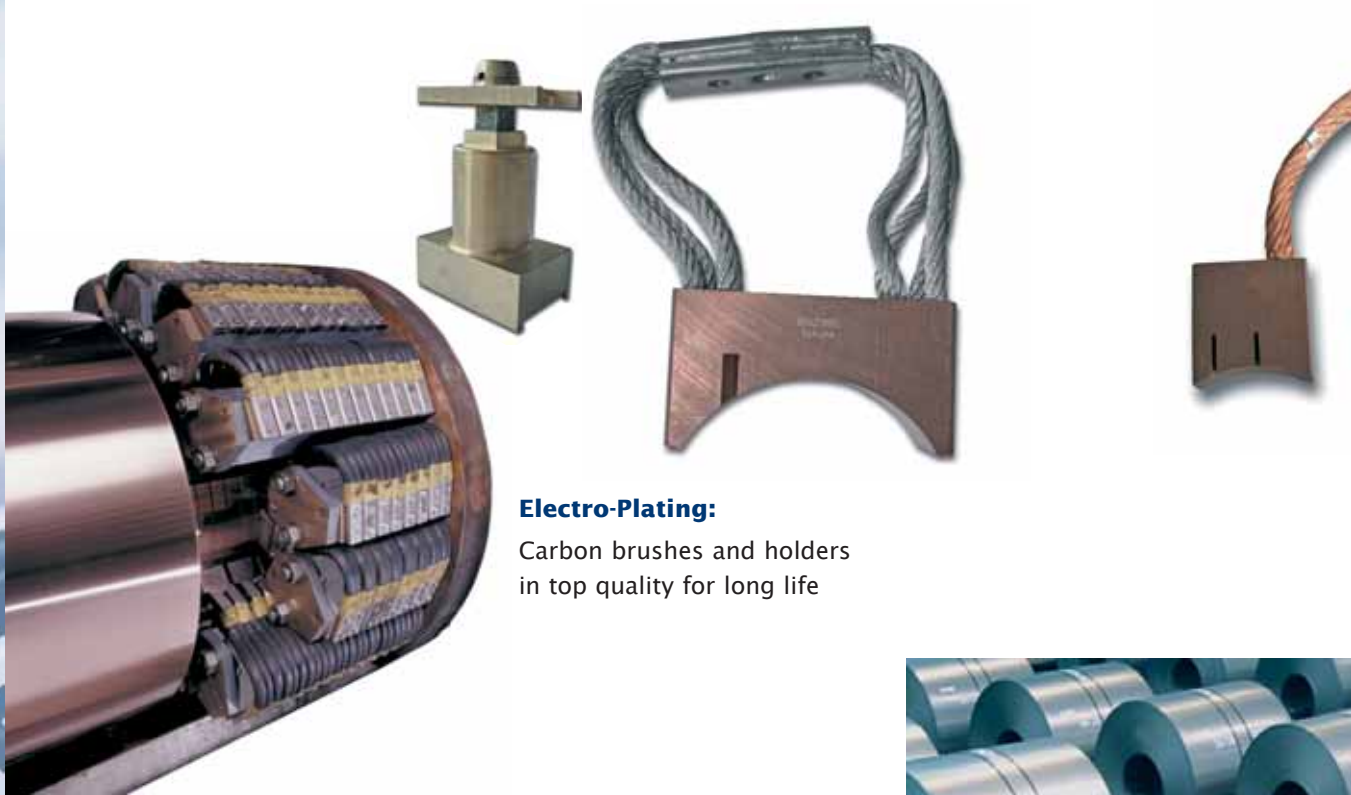
# Schunk Products for Steel Industry



**Schunk Kohlenstofftechnik GmbH**  
**Schunk Bahn- und Industrietechnik GmbH**



# Schunk Products for Steel Industry



## Electro-Plating:

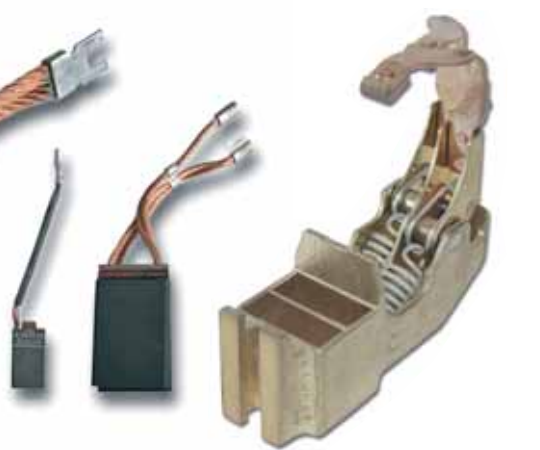
Carbon brushes and holders  
in top quality for long life



Flexible Current Connectors



# Products for Steel Industry



Powerful motor performance with Schunk carbon brushes and holders



Steel  
y



Carbon Current Collector Shoes for Cranes



# Grade Recommendations – Steel Industry

## Main Drives

Grade	Metal content %	Opt. permanent current density		Max. permanent speed		Remarks
		A/in <sup>2</sup>	A/cm <sup>2</sup>	ft/s	m/s	
E46	-	92	14	131	40	Standard grade
E46F3	-	92	14	131	40	For synchronous drives
E46X	-	92	14	131	40	For peak loads, excellent current sharing
E468	-	92	14	131	40	Excellent film control
E101	-	78	12	131	40	For variable loads
E55	-	78	12	131	40	Standard grade for cold mill drives
E49X	-	78	12	131	40	Good commutation
E220	-	78	12	131	40	Commutator saving

## Auxillary Drives

Grade	Metal content %	Opt. permanent current density		Max. permanent speed		Remarks
		A/in <sup>2</sup>	A/cm <sup>2</sup>	ft/s	m/s	
E46X	-	92	14	131	40	Standard grade for high loads
E101	-	78	12	131	40	For variable loads
E49X	-	78	12	131	40	Standard grade, good commutation
F51	-	52	8	131	40	For low loads
F49	-	52	8	131	40	For low loads, excellent film control

## Electro-Plating

Grade	Metal content %	Opt. permanent current density		Max. permanent speed		Remarks
		A/in <sup>2</sup>	A/cm <sup>2</sup>	ft/s	m/s	
B14Z1	90	164	25	98	30	Standard grade
B24	90	164	25	98	30	Improved cleaning action
B25	90	183	28	98	30	For extreme loads
C40Z3	75	118	18	98	30	Standard grade for low loads

## Carbon Collector Shoes for Cranes

Grade	Metal content %	Opt. permanent current density		Max. permanent speed		Remarks
		A/in <sup>2</sup>	A/cm <sup>2</sup>	ft/s	m/s	
BH25	-	-	-	-	-	Standard grade
BH25C	35	-	-	-	-	Metal impregnated for higher loads
B14Z1	90	-	-	-	-	For high loads
B25	90	-	-	-	-	For extreme loads

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