

## RANGES

### WNYEC

∅ 80-200mm  100-520kg 



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### WPNEC / WAPA

∅ 80-200mm  80-500kg 



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### WGREC / WRNEC

∅ 50-200mm  50-500kg 



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**CASTOR & WHEEL  
MANUFACTURERS**

## **ANTI STATIC & CONDUCTIVE MATERIALS**

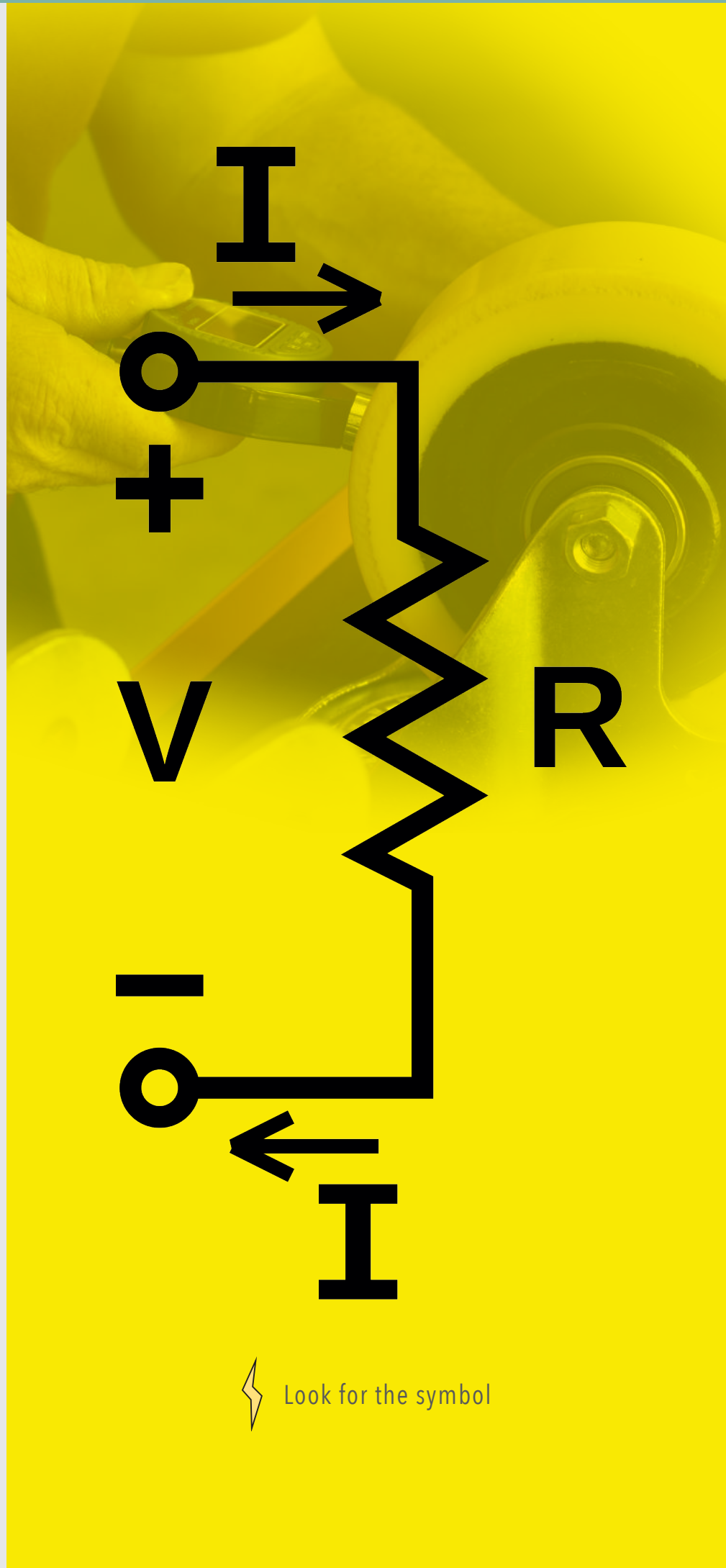
Anti static and electrically conductive wheels are categorised according to level of resistivity.

**Antistatic** wheels generally have resistivity ratings of below:  
 **$10^6 \Omega$  (ohms)**

**Electrically conductive** wheels have a resistivity rating below:  
 **$10^4 \Omega$  (ohms)**

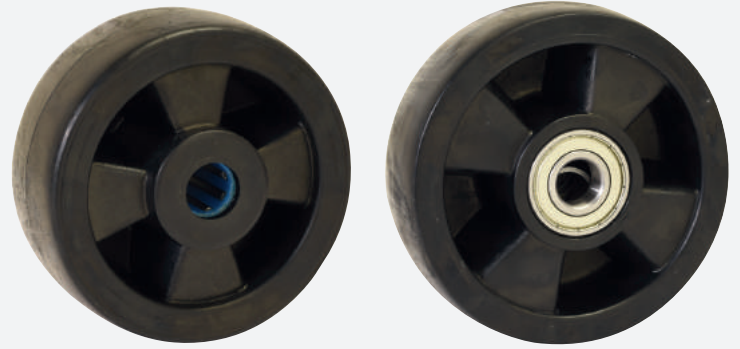
Whilst the term anti-static generally refers to its ability not to generate a charge upon frictional contact with another material, if a charge is generated, it will be a fraction of what would otherwise be the case through a type of contact electrification known as the triboelectric effect.

Conductive materials on the other hand allow charges to go to ground more easily and thereby protect against shock or damage to equipment which is sensitive to electrostatic discharge (ESD). That said, it is generally recommended that electrically conductive wheels are used within environments where sensitive electronics are in operation, clean rooms, laboratories and so on.



Look for the symbol

# NYLON WNYEC SERIES




100-520kg















80-200mm



 Nylon Electrically Conductive

-25°C to +85°C  
Max Speed 3kph

Dia (mm)	Bearing	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)
80		SSMM80WNYRBEC	30	40	12	100
100		SSMM100WNYRBEC	30	40	12	120
		SSH100WNYRBEC	40	49	15	200
		BZH100WNYBJM15EC	40	40	15	200
		SSH125WNYRB20EC	45	49	20	260
125		BZH125WNYBJM20EC	45	49	20	260
		SSH150WNYRBEC	50	59	20	325
150		BZH150WNYBJM20EC	50	55	20	325
		SSXH160WNYRBEC	50	59	20	325
160		BZXH160WNYBJM20EC	50	55	20	325
		SSH200WNYRBM25WTEC	57	59	25	520
200		BZH200WNYBJM25WTEC	57	60	25	520

Conductivity Resistance  $R \leq 10000 \text{ Ohm}$



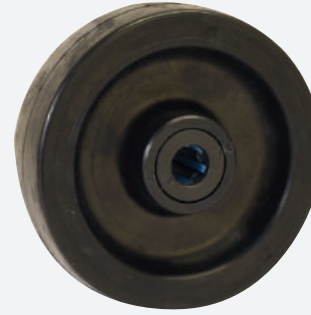
# POLYURETHANE WPNEC / WAPA SERIES



80-500kg



80-200mm



97 Shore A  
Black Electrically Conductive  
Polyurethane  
Tyre On Nylon  
-20°C to +80°C  
Max Speed 4kph



91 Shore A  
Grey Anti-Static Polyurethane  
On Aluminium  
-20°C to +70°C  
Max Speed 4kph

Dia (mm)	Bearing	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Bearing	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)
80	■	SSMM80WPNRBE	30	40	12	80	-	-	-	-	-	-
100	■	SSMM100WPNRBE	30	40	12	110	-	-	-	-	-	-
	-	-	-	-	-	-	■	BZH100WAPABJM15	40	40	15	200
125	■	SSH125WPNRBE	35	50	15	150	-	-	-	-	-	-
	-	-	-	-	-	-	■	BZH125WAPABJM20	40	50	20	240
150	-	-	-	-	-	-	■	BZH150WAPABJM20	40	40	20	320
160	■	SSH160WPNRBE	50	58	20	320	-	-	-	-	-	-
	-	-	-	-	-	-	■	BZH160WAPABJM20	50	60	20	425
200	■	SSH200WPNRBE	50	58	20	390	-	-	-	-	-	-
	-	-	-	-	-	-	■	BZH200WAPABJM20	50	60	20	500

Conductivity Resistance  $R \leq 10000 \text{ Ohm}$

Conductivity Resistance  $R \leq 50 \text{ Megachu}$

# RUBBER WGREC / WRNEC SERIES




50-500kg




50-200mm






























 85 Shore A  
Grey \*Electrically Conductive  
Rubber On Polypropylene

-30°C to +60°C  
Max Speed 3kph



 65 Shore A  
Black Elastic \*\*Electrically  
Conductive Rubber On Nylon

-30°C to +80°C  
Max Speed 4kph

Dia (mm)	Bearing	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)	Bearing	Code	Tread (mm)	Hub (mm)	Bore (mm)	Load (kg)
50		BZL50WGREC	24	28	8	50	-	-	-	-	-	-
		BZL50WGRECBJM8	24	28	8	50	-	-	-	-	-	-
75		BZL75WGREC	24	28	8	60	-	-	-	-	-	-
		BZL75WGRECBJM8	24	28	8	60	-	-	-	-	-	-
		BZM75WGREC	32	36	10	70	-	-	-	-	-	-
		BZM75WGRECBJM10	32	36	10	70	-	-	-	-	-	-
80		-	-	-	-		BZMM80WRNBJM8EC	35	41	8	150	
100		BZL100WGREC	24	28	8	70		BZMM100WRNBJM8EC	36	41	8	200
		BZL100WGRECBJM8	24	28	8	70	-	-	-	-	-	-
		BZM100WGREC	32	36	10	90		BZH100WRNBJM10EC	36	50	10	200
		BZM100WGRECBJM10	32	36	10	90	-	-	-	-	-	-
125		BZL125WGREC	24	28	8	80		BZMH125WRNBJM10EC	36	45	10	250
		BZL125WGRECBJM8	24	28	8	80	-	-	-	-	-	-
		BZM125WGREC	32	36	10	100		BZH125WRNBJM10EC	36	50	10	250
		BZM125WGRECBJM10	32	36	10	100	-	-	-	-	-	-
150		BZM150WGREC	32	36	10	100	-	-	-	-	-	-
		BZM150WGRECBJM10	32	36	10	100		BZMH150WRNBJM10EC	40	50	15	300
160	-	-	-	-	-	-		BZMH160WRNBJM15EC	40	60	15	300
	-	-	-	-	-	-		BZH160WRNBJM20EC	50	60	20	400
200	-	-	-	-	-	-		BZMH200WRNBJM15EC	40	60	15	350
	-	-	-	-	-	-		BZH200WRNBJM20EC	50	60	20	500

Conductivity Resistance  $R \leq 10000 \text{ Ohm}$

\* Conductivity range is  $10^3 \text{ ohm}$  to  $10^4 \text{ Ohm}$   
\*\* PAH-free rubber to conform to EU-directive 2005/69/EC