

WRNEC SERIES



Black electrically conductive elastic rubber tyre* on black nylon (polyamide 6) rim.

Hardness: 65±3 Shore A

Temperature range: -30°C to +80°C

Maximum speed 4kph.

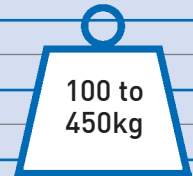
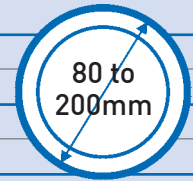


100-450kg

| Wheel diameter (mm) | Tread width (mm) | Bore size (mm) | Hub length (mm) | Single or double bearing | Ball journal bearing |
|---------------------|------------------|----------------|-----------------|--------------------------|----------------------|
|---------------------|------------------|----------------|-----------------|--------------------------|----------------------|

ELECTRICALLY CONDUCTIVE RUBBER WHEELS

| | | | | | |
|-----|----|----|----|---|---------------------------|
| 80 | 35 | 8 | 42 | S | BZMM80WRNBJM8EC 100kg** |
| 100 | 36 | 8 | 41 | S | BZMM100WRNBJM8EC 200kg** |
| | | 10 | 49 | S | BZH100WRNBJM10EC 200kg** |
| 125 | 36 | 10 | 46 | S | BZMH125WRNBJM10EC 200kg** |
| | | | 50 | S | BZH125WRNBJM10EC 250kg** |
| 150 | 40 | 15 | 50 | D | BZMH150WRNBJM15EC 300kg |
| 160 | 40 | 15 | 60 | D | BZMH160WRNBJM15EC 300kg |
| | 50 | 20 | 60 | D | BZH160WRNBJM20EC 350kg |
| 200 | 40 | 15 | 60 | D | BZMH200WRNBJM15EC 330kg |
| | 50 | 20 | 60 | D | BZH200WRNBJM20EC 450kg |



- Conductivity range is 10³ ohm to 10⁴ ohm.

** Single ball bearing with caps

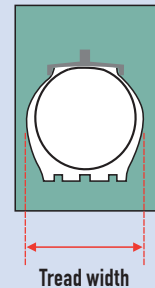
* PAH-free rubber to conform to EU-directive 2005/69/EC.

Electrostatic discharge

Static electricity build-up occurs mostly from the effect of triboelectric charging when two different materials make contact or are rubbed together.

Electrically-conductive or anti-static materials, which protect against shock or damage to sensitive equipment from electrostatic discharge (ESD), can be divided according to their surface resistance. Their degree of protection is derived from the amount of resistance – a measurement of how easily an electric charge can travel across them – least being best.

CONDUCTIVE materials are ones that have a surface resistance of less than 1 x 10⁵ ohms/square. Those termed DISSIPATIVE have a surface resistance of more than 1 x 10⁵ ohms/square but less than 1 x 10¹¹ ohms/square. INSULATIVE materials are ones that have a surface resistance of greater than 1 x 10¹² ohms/square. Something that is insulative is not considered ESD safe, as it can allow a static charge to build up.



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