

# Technical information for electrically conductive swivel and fixed castors



Electrically conductive swivel and fixed castors are used to protect from electrostatic discharges generated from transport equipment or the goods being transported. Where these are used, painful electrostatic discharges to the trolley operator or damage to sensitive goods can be prevented.

They are important system elements in almost all industry sectors, such as electronic and semiconductor industries, the automobile industry, hospitals and medical technologies. They are indispensable in areas that have a high risk of explosion.



According to wheel and castor standards (DIN EN 12530 – 12533) a wheel or castor is electrically conductive when the Ohmic resistance does not exceed  $10^4 \Omega$ .

To fulfil these requirements the electrically conductive wheels are tested according to DIN EN 12527.

Dirt on the treads or other environmental influences can affect the conductive effectiveness during operation and should be regularly checked by the operator.

<b>Coating hardness</b>	<div style="display: flex; justify-content: space-between;"> <span> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </span> <span>Shore 85A</span> </div>
<b>Rolling resistance</b>	<div style="display: flex; justify-content: space-between;"> <span> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> </span> <span>very good</span> </div>
<b>Driving noise</b>	<div style="display: flex; justify-content: space-between;"> <span> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </span> <span>good</span> </div>
<b>Floor protection</b>	<div style="display: flex; justify-content: space-between;"> <span> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </span> <span>good</span> </div>

