



VUT® OR VUT NEO®

The VUT® or VUT NEO® renders primary suspension unnecessary, and allows a wheel hub integrated drive

Features

- Low radial stiffness
- Wheel diameters from 590 mm to 715 mm
- Wheel loads up to 60 kN
- Maximum vehicle speed 80 kph

Special benefits

- High level of passenger comfort
- Compact wheel including primary suspension function
- Reduced maintenance downtime
- Improved safety by limited axial deflection and V-shaped tyre and rubber rings

Since 1998, more than 20,000 VUT® wheels in operation

MAINTENANCE & CUSTOMER SUPPORT

- Deliveries of complete wheels for new applications or kits for maintenance
- Safety
- Reliability
- Short lead-time
- Spare parts management : large panel of sourcing solutions
- LCC (Life Cycle Cost) optimization

VLR 1060® TRAMWAY WHEELS

Ideal solution for modern low flow light-rail vehicles with limited installation place, small diameter and relatively high wheel load. These wheels are well adapted for conventional tramway and Tram-train applications

Features

- Medium radial and high axial stiffness
- Wheel diameters from 400 mm to 880 mm
- Wheel loads up to 75 kN
- Minimum space required - one rubber ring only

Special benefits

- Reduced maintenance downtime
- Easy and fast wheel tyre replacement
- Easy inspection of earthing shunts
- Light weight
- Improved safety by limited axial deflection

SOME OF OUR REFERENCES

Car builders : Alstom, Bombardier

Some networks using VUT® wheels : Melbourne (Australia), Bordeaux, Lyon, Mulhouse, Paris, Strasbourg, Valenciennes (France), Dublin (Ireland), Barcelona, Madrid, Tenerife (Spain), Tunis (Tunisia), Rabat (Morocco)...





REDUCED UNSPRUNG MASS
REDUCTION OF VIBRATION AND NOISE
EASY REPLACEMENT OF WHEEL TYRES
MAINTENANCE AND SERVICES

KEY BENEFITS OF VALDUNES INDUSTRIES SOLUTIONS

TAILOR-MADE SOLUTIONS, BECAUSE EACH PROJECT IS UNIQUE

Specifics like : **small diameter, high wheel load, limited space envelope, wide range of stiffness**

MAINTAINABILITY, BECAUSE SERVICE COSTS MUST BE MINIMAL

One common feature for all our wheels : a split design. Three steel parts : a wheel tyre, a wheel body and a wedge ring. In between, some prestressed rubber elements : one rubber ring or two rubber rings. **Results : a very easy replacement of tyres and rubber elements, with hydraulic press**

RUNNING COMFORT, FOR THE PASSENGER, THE RESIDENT, THE VEHICLE AND ITS TRACK

Proven by field measurements or positive customer ratings. VALDUNES INDUSTRIES resilient wheels provide **a very efficient reduction of shocks and vibrations**. With their low radial stiffness, the VUT® or VUT NEO® wheel can replace **a primary suspension or accommodate specific (low floor) bogie designs, e.g. direct motor drives**

NOISE REDUCTION

VALDUNES INDUSTRIES resilient wheels decrease rolling noise and squealing noise in curves. In case of additional requirements, **VALDUNES INDUSTRIES proposes customised noise absorption systems**, like rings, absorbers, mounted on the wheel tyre



**PERSONALISED SOLUTIONS
A REAL EXPERTISE**

