



WHEEL SELECTOR

FIND OUT WHICH MATERIAL IS THE BEST FIT IN A FEW EASY STEPS.

STEP 1:
Match the surface that best suits the situation.

STEP 2:
Check the environment and time frame that match the application.

STEP 3:
Find out which materials are recommended.
SEE LEGEND BELOW

STEP 4:
At TVH we offer all types of wheels and all materials. Go to [MyTotalSource](#), go to MyPartsFinder and have your machine data at hand to pick your wheel or have the dimensions of the wheel you need ready and go to MyProductSearch.

⦿ : ≤ 8 hours a day • ⦿ : > 8 hours a day • ★ : Our recommended pick

External factors →	Ambient temperature (temperatures >25 °C)		Cold store (temperatures <0 °C)		High humidity		Oily floor		Wet surfaces		Antistatic wheels needed		Non-marking wheels needed		High load (frequent accelerating, braking or driving with maximum load)		None of the previous external factors	
	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	⦿	
Surface ↓																		
Flat surface (concrete, cement, coating, etc.)	N S PU-P VU VU-D VU-Q VU-A T	N S PU-P VU VU-D VU-Q VU-A T	R-N PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	PU-S PU-P PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-A VU-A VU-A	VU-A	R-N N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-A VU-S T
Tile flooring	N PU-P VU VU-D VU-Q VU-A T	N PU-P VU VU-D VU-Q VU-A T	R-N PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	PU-S PU-P PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-A VU-A VU-A	VU-A	R-N N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N PU-P VU VU-D VU-Q VU-A VU-S T	N PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N PU-P VU VU-D VU-Q VU-A VU-S T	N PU-P VU VU-D VU-Q VU-A VU-S T
Grid floor	S VU VU-D VU-Q VU-A T	S VU VU-D VU-Q VU-A T	R-N VU VU-D VU-Q VU-A VU-S T	VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A VU VU-D VU-Q VU-A VU-S T	VU VU-D VU-Q VU-A VU-S T	VU VU-D VU-Q VU-A VU-S T	VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A VU VU-D VU-Q VU-A VU-S T	VU VU-D VU-Q VU-A VU-S T	R-A VU-A VU-A	VU-A	R-N S VU VU-D VU-Q VU-A VU-S T	S VU VU-D VU-Q VU-A VU-S T	S VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A S VU VU-D VU-Q VU-A VU-S T	S VU VU-D VU-Q VU-A VU-S T	S VU VU-D VU-Q VU-A VU-S T
Substrate with splinters, chips, etc.	N S PU-P VU VU-D VU-Q T	N S PU-P VU VU-D VU-Q T	PU-S PU-P PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	PU-S PU-P PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-B R-N R-A PU-S PU-P VU VU-D VU-Q VU-A VU-S T	PU-P VU VU-D VU-Q VU-A VU-S T	R-A		R-N N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-S T	N S PU-P VU VU-D VU-Q VU-S T	R-B R-N R-A N S PU PU-S PU-P PU-L VU VU-D VU-Q VU-A VU-S T	N S PU-P VU VU-D VU-Q VU-S T	N S PU-P VU VU-D VU-Q VU-S T

LEGEND

Rubber - black	R-B	Rubber wheels are not expensive and frequently used in industrial applications such as warehouses, workshops and the transport industry. Rubber wheels ensure a smooth transport of delicate and fragile articles. Besides, they are very silent, making it a pleasant way of working. It is important to keep in mind that the black rubber leaves marks on the floor.
Rubber - non-marking	R-N	These non-marking rubber wheels are very similar to the ones mentioned above, plus no marks are left behind on the floor. Perfect for the food industry or other areas where hygiene is utterly important.
Rubber - antistatic	R-A	Antistatic rubber wheels are perfect for hazardous environments where electric discharges must be avoided at all costs. Ideal for the petrochemical industry or electronic departments.
Nylon (PA/polyamide)	N	Nylon wheels are light and can carry a heavy load. They are resistant to water and chemical cleaning agents. They leave no marks on the floor but it's important to note that these wheels are a bit loud when used. The reduced grip makes them more likely to slip on wet surfaces. Nylon traction wheels and nylon press-on tyres do not exist for material handling equipment.
Steel	S	Steel wheels are mainly used for waste containers. They can withstand anything but tend to make a lot of noise. Please note that steel traction wheels and steel press-on tyres do not exist for material handling equipment.
Polyurethane	PU	Standard polyurethane wheels can be used for a standard 8h-shift. They are very popular for pallet trucks and are well known to provide the best price/quality ratio in the material handling world.
Soft polyurethane	PU-S	Polyurethane wheels are the perfect choice for wet floors. This silent and vibration-absorbing material is the perfect replacement for non-marking rubber wheels. However, it only has 70% of the capacity of a standard polyurethane wheel.
High-performance polyurethane	PU-P	This heavy-duty material is perfectly suited for long shifts, even in cold environments. Only a selection of wheels are available in this material.
High-load polyurethane	PU-L	High-load polyurethane wheels are better suited for long periods of time, performing manoeuvres and carrying a heavy load than regular polyurethane wheels.
Vulkollan®	VU	Vulkollan is a heavy-duty material that can be used in cold environments for extended periods.
High-density Vulkollan®	VU-D	High-density Vulkollan is a heavy-duty material that can be used for long shifts and in extreme hot and humid environments.
Vulkollan® quartz	VU-Q	Vulkollan quartz is ideal for traction wheels when dealing with greasy or slippery floors. Please note that this material can leave some small marks on a polished concrete floor.
Vulkollan® - antistatic	VU-A	Antistatic Vulkollan is used for heavy-duty applications. No need to worry about explosion risks in hazardous environments, e.g. the petrochemical industry.
Soft Vulkollan®	VU-S	Soft Vulkollan is perfect for intensive use. Noise and vibrations are reduced considerably, even after long periods of working or in freezing temperatures. However, it only has 70% of the capacity of a standard Vulkollan wheel.
Tractothane®	T	This Vulkollan material for traction wheels is the best material when dealing with wet floors and cold environments.

TIP: Are you only looking for a standard material? Standard polyurethane wheels are the most economical choice, that is, if this is suitable for the surface, environment, operating time and type of wheel.

