



Vocational Guide

Military Applications

At military stations, the main activity is to maintain vehicles and to stock spare parts for machines used on missions or for every day use vehicles such as trucks, utilitarian vehicles and trailers. Stations are often like small cities and there are few forklifts to do a lot of tasks in warehouses or in the workshop. 2500kg diesel or gas forklifts are generally used. At some stations, when containers of pieces, spare parts or weapons are delivered, there's one heavy forklift to do the unloading. In return, there are a lot of trucks to transport soldiers or equipment on the ground. To transport weaponry, many special trailers with

truck tires are used. Trucks, which are fitted with MPT tires, are put under intense use with long runs, loaded and unloaded, over a wide variety of surfaces and with varying degrees of speed and load demands. Outside conditions are very hard and so trucks need support from durable products. Special equipment or armed vehicles are for Off the Road applications and need tires specially made to drive on rock or on soft soil. Maintaining mobility of the vehicle after air loss of the tire caused by mines or bullets, run flat elements are in use to support the vehicle weight.

Common truck brands

- Mercedes Unimog
- Linde
- Renault
- Man
- Iveco
- Tatra
- Steyr
- Mowag
- JCB

Common weaponry and special equipments

- Metalliance
- Alsthom
- Scheuerle
- Nicolas, Terex
- Tadano Faun
- General Dynamics
- Steyr
- Atlas

Common forklift brands

- Linde
- Still
- Toyota
- Svetruck
- OM

Common tread design and sizes

Trucks

- MPT80 in 10.5R20MPT, 12.5R20 MPT or 14.5R20MPT
- MPT81 in 315/55R16 MPT, 275/80R20 MPT (10.5R20 MPT), 335/80R20 MPT (12.5R20 MPT) or 365/80R20 MPT (14.5R20 MPT)

Forklifts

- SC20 in 225/75-10, 6.00-9, 6.50-10, 7.00-12
- RT20 in 10.00x20, 12.00x20

Special Equipment

- SE133 in 12.00x24
- SE188 in 16.00x25

Tire Needs

| | |
|-----------------------------------|--|
| Low rolling resistance | To reduce fuel consumption in either gas or diesel operated equipment |
| Low heat buildup | combined with low rolling resistance is low heat buildup. The cooler a tire operates the longer it will last and is less prone to premature failure due to delaminating. Long runs with heavy loads cause a great deal of heat buildup within tires. |
| Cut & chunk resistance | Due to impacts from running over objects on the operating surface or running into dock plates or guards, the tires must have good cut and chunk resistance. |
| Shock absorption | Loaded forklifts or equipment running over unfinished surfaces must provide a degree of protection for the driver, equipment and loads. The tires must contribute to the protection of the load, equipment and surface. |
| Long tread life | Due to the size of the majority of tires in use as well as the duty cycle, down time must be kept to a minimum. |
| Traction | Due to unfinished surfaces or to the weather conditions, trucks needs traction to drive everywhere : on earth, on rock , in wood, or in snow. |
| Certified Information | products data's, certificates |

Continental offering and benefits

MPT80, MPT81

Continental radials offer exceptionally low rolling resistance, low heat buildup, tubeless capabilities. They also offer excellent traction characteristics on unfinished surfaces for small and big builder yard. For the tactical vehicles the run flat capability is tested with all major run flat and vehicle types. The weight is low and gives us a benefit in case of air transport fitted on a vehicle or as a spare part.

RT20/RV20

Continental radials offer exceptionally low rolling resistance, low heat buildup, tubeless capabilities when combined with the TSR system and deep treads for extended tread life. Due to the radial tire construction flats are substantially reduced over cross ply pneumatic tires.

Value of Continental Rep

Every Continental Industrial Tire sales representative is trained and experienced in Utility applications and fully understands each and every fleet's needs. Continental replacements are available to make accurate and fact based recommendations to maximize the lift truck fleet performance.

SC20 Solid tires

Due to the tire's natural rubber compound the Continental solid tire offers exceptionally low rolling resistance and low heat buildup and high abrasion resistance. This relates to extended tire life and reduced cost per hour. (More hours in between tire changes and lower fuel consumption) Combined with that is the soft ride offered due to the 3-stage construction of the tire. The softer ride relates to greater protection for the machine, loads carried and operating surface.