

TMPH/TKPH VALUES FOR RADIAL OTR HAULAGE TIRES

THE SMART MONEY IS ON



REM-9 (E4) HAULAGE TIRE

FEATURES & BENEFITS

- Unique non-directional tread design for added off-the-road traction
- Special compounds to withstand severe mining applications, extend tire life and promote retreadability
- Available in multiple compounds for superior off-the-road performance



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (IN) | SECTION WIDTH (IN) | TREAD DEPTH (32NDS) | RIM | SINGLE MAX LOAD/PRESSURE | WEIGHT | TYPE |
|--------------|-----------|-----------|-------------|------------------|-----------------|-----------------------|--------------------|---------------------|-----------|--------------------------------|--------------|------|
| 1087206255** | 26.5R25 | REM-9 (A) | ★★ | 50 10 | 30 5 | 70 | 27 | 69 | 22.00/3.0 | 25300lb/76psi 40700lb/94psi | 1191lb/540kg | TL |
| 1087202958** | 29.5R25 | REM-9 (A) | ★★ | 50 10 | 30 5 | 75 | 30 | 76 | 25.00/3.5 | 30800lb/76psi 49280lb/94psi | 1434lb/650kg | TL |

**E4/L4

| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (IN) | SECTION WIDTH (IN) | TREAD DEPTH (32NDS) | RIM | SINGLE MAX LOAD/PRESSURE | WEIGHT | TYPE |
|--------------|-----------|-----------|-------------|------------------|-----------------|-----------------------|--------------------|---------------------|-----------|--------------------------|--------------|------|
| 1087201833 | 18.00R33 | REM-9 (A) | ★★ | 50 | 30 | 73 | 20 | 69 | 13.00/2.5 | 23980lb/102psi | 1037lb/470kg | TL |
| 1087201834 | 18.00R33 | REM-9 (S) | ★★ | 50 | 30 | 73 | 20 | 69 | 13.00/2.5 | 23980lb/102psi | 1037lb/470kg | TL |
| 1087201835 | 18.00R33 | REM-9 (B) | ★★ | 50 | 30 | 73 | 20 | 69 | 13.00/2.5 | 23980lb/102psi | 1037lb/470kg | TL |
| 1087202452 | 24.00R35 | REM-9 (A) | ★★ | 50 | 30 | 85 | 26 | 87 | 17.00/3.5 | 40700lb/102psi | 1713lb/777kg | TL |
| 1087202453 | 24.00R35 | REM-9 (S) | ★★ | 50 | 30 | 85 | 26 | 87 | 17.00/3.5 | 40700lb/102psi | 1713lb/777kg | TL |
| 1087202454 | 24.00R35 | REM-9 (B) | ★★ | 50 | 30 | 85 | 26 | 87 | 17.00/3.5 | 40700lb/102psi | 1713lb/777kg | TL |
| 1087202135 | 21.00R33 | REM-9 (B) | ★★ | 50 | 30 | 77 | 22 | 69 | 15.00/3.0 | 30864lb/102psi | 1251lb/567kg | TL |

Compounds: **A** cut/chip; **S** standard; **B** heat



TMPH/TKPH VALUES

TMPH measurements and ratings are only tools used to construct guidelines so that tires do not overheat. These guidelines are constructed assuming average operating conditions. Under some conditions, it is possible for more heat to be generated than would normally be expected at a given operating TMPH level. This should be kept in mind when operating TMPH approaches the tire's TMPH rating to prevent heat damage.

These values have been set by Double Coin Holdings, Ltd Engineering Group and are not to be exceeded without possible penalty of warranty forfeiture.

| SIZE | PATTERN | COMPOUND | TMPH/TKPH |
|----------|----------|-------------------|-----------|
| 24.00R35 | REM-9 E4 | A Compound | 168/245 |
| | | S Compound | 212/310 |
| | | B Compound | 294/420 |

Compounds: **A** cut/chip; **S** standard; **B** heat

SAMPLE TMPH CALCULATION

CONDITIONS

Empty vehicle tire load = 20,000 pounds (10.0 tons)

Loaded vehicle tire load = 34,000 pounds (17.0 tons)

Number of Hours Worked = 8.0 hours

The shift hauls 15 loads

Each haul is 9.0 miles, round trip

$$\text{Average Tire Load} = \frac{10 \text{ Tons} + 17 \text{ Tons}}{2} = 13.5 \text{ Tons}$$

$$\text{Average Shift Speed} = \frac{9 \text{ Miles/Trip} \times 15 \text{ Trips/Shift}}{8.0 \text{ Hrs Worked/Shift}} = 16.9 \text{ MPH}$$

CALCULATION

JOB TMPH: 13.5 Tons × 16.9 MPH = 228 TMPH

If electronic vehicle monitors are available for use, Double Coin uses a four hour rolling average TMPH/TKPH to determine SITE requirements.

CONCLUSION

To avoid heat issues, tires must have a TMPH rating of 228 or higher.

If the tires on the machine are rated less than 228:

- Reduce speed
- Reduce load
- Change to tires with a higher TMPH rating

NOTE

Each tire position on the machine must be calculated and considered.

Position with the highest average load should be used.

Please contact your Double Coin/CMA OTR representatives if additional information is required.

This and other OTR data is available on our website at www.DoubleCoinTires.com