

# OFF-THE-ROAD TIRE DATA AND REFERENCE BOOK

THE SMART MONEY IS ON



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## **About CMA and Double Coin**

Double Coin's OTR, Industrial, Agriculture, and Construction radial tires entered the North American market in 1992 and have grown in popularity ever since. Since the beginning, Double Coin has made new advances in manufacturing and today, it is a leading global manufacturer of both Off-The-Road (OTR) and Truck and Bus Radial (TBR) tires.

Headquartered in Monrovia, California, CMA, LLC manufactures and markets Double Coin and other flag, associate and private brand products. Double Coin TBR and radial OTR tire products enjoy OEM fitments at major North American transportation and construction equipment manufacturers. In addition, Double Coin Tires are used at some of the most progressive transportation fleets in North America. Many of the Double Coin tires

sold in the U.S. are SmartWay<sup>®</sup>-verified to support the sustainability goals of the tire and transportation industry. In addition to the United States, Double Coin customers are serviced throughout Mexico, Central America, and Canada.

For a local dealer near you, please contact the U.S. headquarters or visit [www.DoubleCoinTires.com](http://www.DoubleCoinTires.com).

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COMPARISON

SMALL

LARGE

MOBILE CRANE

INDUSTRIAL

TECHNICAL

WARRANTY

# WHY DOUBLE COIN OUTPERFORMS THE COMPETITION

We at Double Coin recognize that a buyer of OTR products has plenty of choices. With the number of tire options out in the marketplace, our mission is to earn your confidence by offering tires that deliver more value. We offer a comprehensive line of OTR tires engineered to maximize performance and deliver a lower cost per hour. Our OTR tires are backed by both an aggressive warranty and exceptional customer support.

Double Coin tires are sold in over 100 countries and are manufactured at some of the industry's most advanced manufacturing facilities — facilities that adhere to the highest quality and environmental standards. Double Coin manufacturing facilities are ISO9001, TS16949 and ISO14001 Certified.



# REM-1



## (G2) GRADER

Double Coin engineered this radial Off-The-Road tire with a multi-purpose tread design for exceptional traction and even wear. The wide footprint of this OTR offers excellent flotation while also ensuring a smooth ride.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM    | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|--------|--------------------------|-------------|-----------|
| 1107113241   | 13.00R24  | REM-1   | ★TG         | 40               | 25              | 51                      | 14                   | 38                  | 8.00TG | 6600lb/54psi             | 112kg/265lb | TL        |
| 1107114241   | 14.00R24  | REM-1   | ★TG         | 40               | 25              | 54                      | 15                   | 38                  | 8.00TG | 8030lb/54psi             | 129kg/281lb | TL        |

# REM-2



## (E3/L3) EARTHMOVER/LOADER TIRE

The Double Coin REM-2 Off-The-Road radial features an aggressive self-cleaning tread design. Engineered to deliver a smooth ride and superior traction in all types of terrain, the REM-2 is an OEM Certified OTR with an advanced casing design that promotes retreadability.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT   | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|---------------|-----------|
| 1107167251   | 17.5R25   | REM-2   | ★★          | 50               | 30              | 53                      | 18                   | 34                  | 14.00/1.5 | 11990lb/76psi            | 157kg/338lb   | TL        |
| 1107167251   | 17.5R25   | REM-2   | ★★          | 10               | 5               | 53                      | 18                   | 34                  | 14.00/1.5 | 18700lb/94psi            | 157kg/338lb   | TL        |
| 1107160251   | 20.5R25   | REM-2   | ★★          | 50               | 30              | 58                      | 21                   | 39                  | 17.00/2.0 | 16060lb/76psi            | 231kg/491lb   | TL        |
| 1107160251   | 20.5R25   | REM-2   | ★★          | 10               | 5               | 58                      | 21                   | 39                  | 17.00/2.0 | 25300lb/94psi            | 231kg/491lb   | TL        |
| 1107163251   | 23.5R25   | REM-2   | ★★          | 50               | 30              | 64                      | 24                   | 45                  | 19.50/2.5 | 20350lb/76psi            | 336kg/721lb   | TL        |
| 1107163251   | 23.5R25   | REM-2   | ★★          | 10               | 5               | 64                      | 24                   | 45                  | 19.50/2.5 | 31900lb/94psi            | 336kg/721lb   | TL        |
| 1107166252   | 26.5R25   | REM-2   | ★★          | 50               | 30              | 69                      | 27                   | 47                  | 22.00/3.0 | 25300lb/76psi            | 463kg/1023lb  | TL        |
| 1107166252   | 26.5R25   | REM-2   | ★★          | 10               | 5               | 69                      | 27                   | 47                  | 22.00/3.0 | 40700lb/94psi            | 463kg/1023lb  | TL        |
| 1107162955   | 29.5R25   | REM-2   | ★★          | 50               | 30              | 73                      | 29                   | 50                  | 25.00/3.5 | 30800lb/76psi            | 587kg/1274lb  | TL        |
| 1107162955   | 29.5R25   | REM-2   | ★★          | 10               | 5               | 73                      | 29                   | 50                  | 25.00/3.5 | 49280lb/94psi            | 587kg/1274lb  | TL        |
| 1107167565   | 750/65R25 | REM-2   | ★★          | 50               | 30              | 64                      | 30                   | 54                  | 24.00/3.0 | 23320lb/61psi            | 460kg/ 1014lb | TL        |
| 1107167565   | 750/65R25 | REM-2   | ★★          | 10               | 5               | 64                      | 30                   | 54                  | 24.00/3.0 | 40700lb/90psi            | 460kg/ 1014lb | TL        |
| 1107167765   | 775/65R29 | REM-2   | ★★          | 50               | 30              | 68.9                    | 30.3                 | 58                  | 24.00/3.5 | 26786lb/61psi            | 475kg/1045lb  | TL        |
| 1107167765   | 775/65R29 | REM-2   | ★★          | 10               | 5               | 68.9                    | 30.3                 | 58                  | 24.00/3.5 | 45415lb/90psi            | 475kg/1045lb  | TL        |
| 1107168765   | 875/65R29 | REM-2   | ★★          | 50               | 30              | 73.8                    | 35                   | 60                  | 28.00/3.5 | 34171lb/61psi            | 670kg/1474lb  | TL        |
| 1107168765   | 875/65R29 | REM-2   | ★★          | 10               | 5               | 73.8                    | 35                   | 60                  | 28.00/3.5 | 56769lb/90psi            | 670kg/1474lb  | TL        |

# REM-10



## (E3/L3) HAULAGE/ARTICULATED TIRE

The OEM Certified REM-10 OTR tire features a multi-function, non-directional tread design for optimum performance. Designed for the rugged needs of articulating trucks, the REM-10 OTR is built with a unique center block tread design, that delivers superior off-the-road traction, and a smooth ride in all types of terrain.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT  | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|--------------|-----------|
| 1087106252   | 26.5R25   | REM-10  | ★★          | 50               | 30              | 69                      | 27                   | 51                  | 22.00/3.0 | 25300lb/76psi            | 463kg/1023lb | TL        |
| 1087106252   | 26.5R25   | REM-10  | ★★          | 10               | 5               | 69                      | 27                   | 51                  | 22.00/3.0 | 40700lb/94psi            | 463kg/1023lb | TL        |
| 1087102955   | 29.5R25   | REM-10  | ★★          | 50               | 30              | 74                      | 29                   | 55                  | 25.00/3.5 | 30800lb/76psi            | 597kg/1285lb | TL        |
| 1087102955   | 29.5R25   | REM-10  | ★★          | 10               | 5               | 74                      | 29                   | 55                  | 25.00/3.5 | 49280lb/94psi            | 597kg/1285lb | TL        |

# REM-12



## (L5) MINING LOADER TIRE

Built with special cut/chip resistant compounds to withstand severe rock mining applications and promote long-term retreadability, the Double Coin REM-12 OTR has a unique non-directional tread design for optimum performance, and superior traction.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT  | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|--------------|-----------|
| 1107127252   | 17.5R25   | REM-12  | ★★          | 6                | 3               | 55                      | 19                   | 84                  | 14.00/1.5 | 15620lb/73psi            | 251kg/563lb  | TL        |
| 1107126253   | 26.5R25   | REM-12  | ★★          | 10               | 5               | 71                      | 27                   | 116                 | 22.00/3.0 | 33000lb/73psi            | 657kg/1452lb | TL        |
| 1107122956   | 29.5R25   | REM-12  | ★★          | 10               | 5               | 75                      | 31                   | 126                 | 25.00/3.5 | 39600lb/73psi            | 846kg/1672lb | TL        |

# REM-15



## (E2/L2/G2) GRADER/LOADER TIRE

The REM-15 radial Off-The-Road tire has a multi-purpose tread design for exceptional traction and its wide footprint offers excellent flotation while providing a smooth ride.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| 1107157252   | 17.5R25   | REM-15  | ★★          | 10               | 5               | 53                      | 18                   | 36                  | 14.00/1.5 | 18740lb/94psi            | 153kg/337lb | TL        |

# REM-19



## (L5) LOADER TIRE

The Double Coin REM-19 is a radial OTR tire built for a wide variety of loader applications. Its special chip and cut resistant compounds promote an extended original tread life and promote long-term retreadability. Designed with a wide footprint and center rib for stability, this Off-the road tire features a non-directional tread design for additional traction in multiple applications.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM        | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT  | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|------------|--------------------------|--------------|-----------|
| 1087190251   | 20.5R25   | REM-19  | ★★          | 10               | 5               | 61                      | 21                   | 91                  | 17.00/2.00 | 25353lb/94psi            | 295kg/650lb  | TL        |
| 1087193251   | 23.5R25   | REM-19  | ★★          | 10               | 5               | 66                      | 24                   | 98                  | 19.50/2.50 | 31967lb/94psi            | 451kg/995lb  | TL        |
| 1087196253   | 26.5R25   | REM-19  | ★★          | 10               | 5               | 71                      | 27                   | 116                 | 22.00/3.0  | 40785lb/94psi            | 634kg/1397lb | TL        |
| 1087192955   | 29.5R25   | REM-19  | ★★          | 10               | 5               | 75                      | 31                   | 126                 | 25.00/3.5  | 49384lb/94psi            | 762kg/1628lb | TL        |

# REM-2S


**NEW TIRE**

## (E2/L2/G2) EARTHMOVER/LOADER/GRADER

The REM-2S is an all-weather/snow radial OTR tire designed with a wide, non-directional tread pattern for increased traction and year round performance, especially in snow and ice conditions. The tread siping allows for increased traction in severe conditions, while the wide blocks are designed for a flatter footprint and longer tire life. This design makes it an excellent choice in earthmover, loader and grader applications.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| COMING SOON  | 14.00R24  | REM-2S  | N/A         | N/A              | N/A             | N/A                     | N/A                  | N/A                 | N/A       | N/A                      | N/A         | N/A       |
| COMING SOON  | 17.5R25   | REM-2S  | N/A         | N/A              | N/A             | N/A                     | N/A                  | N/A                 | N/A       | N/A                      | N/A         | N/A       |
| 1107170251   | 20.5R25   | REM-2S  | ★★          | 50               | 30              | 58                      | 21                   | 39                  | 17.00/2.0 | 16060lb/76psi            | 231kg/491lb | TL        |
| 1107170251   | 20.5R25   | REM-2S  | ★★          | 10               | 5               | 58                      | 21                   | 39                  | 17.00/2.0 | 25300lb/94psi            | 231kg/491lb | TL        |

# REM-28S



## (L3/G3/MCS) LOADER/GRADER/ MOBILE CRANE SERVICE TIRE

The REM-28S is designed with a universal tread pattern for increased traction and performance in winter conditions. Its multiple application use includes loader, grader and on-highway, high speed mobile crane wheel positions.

★★★ Star product DOT certified for on-highway use



| PRODUCT CODE | TIRE SIZE               | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-------------------------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| 1107308951   | 14.00R24<br>(385/95R24) | REM-28S | ★★          | 50               | 30              | 54                      | 16                   | 31                  | 10.00     | 12320lb/101psi           | 133kg/293lb | TL        |
| 1117208952   | 14.00R25<br>(385/95R25) | REM-28S | ★★★         | 70               | 43              | 54                      | 16                   | 31                  | 10.00/1.5 | 13948lb/144psi           | 135kg/298lb | TL        |
| 1107300251   | 17.5R25                 | REM-28S | ★★          | 50               | 30              | 53                      | 18                   | 34                  | 14.00/1.5 | 11990lb/76psi            | 152kg/335lb | TL        |
| 1107300251   | 17.5R25                 | REM-28S | ★★          | 10               | 5               | 53                      | 18                   | 34                  | 14.00/1.5 | 18700lb/94psi            | 152kg/335lb | TL        |
| 1107300751   | 20.5R25                 | REM-28S | ★★          | 50               | 30              | 58                      | 21                   | 39                  | 17.00/2.0 | 16060lb/76psi            | 231kg/509lb | TL        |
| 1107300751   | 20.5R25                 | REM-28S | ★★          | 10               | 5               | 58                      | 21                   | 39                  | 17.00/2.0 | 25300lb/94psi            | 231kg/509lb | TL        |
| 1107303251   | 23.5R25                 | REM-28S | ★★          | 50               | 30              | 64                      | 24                   | 45                  | 19.50/2.5 | 20350lb/65psi            | 321kg/708lb | TL        |
| 1107303251   | 23.5R25                 | REM-28S | ★★          | 10               | 5               | 64                      | 24                   | 45                  | 19.50/2.5 | 31900lb/83psi            | 321kg/708lb | TL        |



# REM-9



## (E4) HAULAGE TIRE

The Double Coin REM-9 OTR radial design offers special compounds to withstand severe mining applications, extend tire life and promote long-term retreadability. The REM-9 OTR tire is designed with a non-directional center rib tread pattern for enhanced off-the-road traction. Its deep tread depth also provides extended tread life in a wide variety of conditions.



| PRODUCT CODE | TIRE SIZE | PATTERN   | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT  | TIRE TYPE |
|--------------|-----------|-----------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|--------------|-----------|
| 1087206252   | 26.5R25   | REM-9 (A) | ★★          | 50               | 30              | 70                      | 27                   | 69                  | 22.00/3.0 | 25300lb/76psi            | 540kg/1155lb | TL        |
| 1087206253   | 26.5R25   | REM-9 (S) | ★★          | 50               | 30              | 70                      | 27                   | 69                  | 22.00/3.0 | 25300lb/76psi            | 540kg/1155lb | TL        |
| 1087206254   | 26.5R25   | REM-9 (B) | ★★          | 50               | 30              | 70                      | 27                   | 69                  | 22.00/3.0 | 25300lb/76psi            | 540kg/1155lb | TL        |
| 1087202955   | 29.5R25   | REM-9 (A) | ★★          | 50               | 30              | 75                      | 30                   | 76                  | 25.00/3.5 | 30800lb/76psi            | 650kg/1397lb | TL        |
| 1087202956   | 29.5R25   | REM-9 (S) | ★★          | 50               | 30              | 75                      | 30                   | 76                  | 25.00/3.5 | 30800lb/76psi            | 650kg/1397lb | TL        |
| 1087202957   | 29.5R25   | REM-9 (B) | ★★          | 50               | 30              | 75                      | 30                   | 76                  | 25.00/3.5 | 30800lb/76psi            | 650kg/1397lb | TL        |
| 1087201833   | 18.00R33  | REM-9 (A) | ★★          | 50               | 30              | 73                      | 20                   | 69                  | 13.00/2.5 | 23980lb/102psi           | 470kg/1012lb | TL        |
| 1087201834   | 18.00R33  | REM-9 (S) | ★★          | 50               | 30              | 73                      | 20                   | 69                  | 13.00/2.5 | 23980lb/102psi           | 470kg/1012lb | TL        |
| 1087201835   | 18.00R33  | REM-9 (B) | ★★          | 50               | 30              | 73                      | 20                   | 69                  | 13.00/2.5 | 23980lb/102psi           | 470kg/1012lb | TL        |
| 1087202452   | 24.00R35  | REM-9 (A) | ★★          | 50               | 30              | 85                      | 26                   | 87                  | 17.00/3.5 | 40700lb/102psi           | 777kg/1698lb | TL        |
| 1087202453   | 24.00R35  | REM-9 (S) | ★★          | 50               | 30              | 85                      | 26                   | 87                  | 17.00/3.5 | 40700lb/102psi           | 777kg/1698lb | TL        |
| 1087202454   | 24.00R35  | REM-9 (B) | ★★          | 50               | 30              | 85                      | 26                   | 87                  | 17.00/3.5 | 40700lb/102psi           | 777kg/1698lb | TL        |
| 1087202135   | 21.00R33  | REM-9 (B) | ★★          | 50               | 30              | 77                      | 22                   | 69                  | 15.00/3.0 | 30864lb/102psi           | 567kg/1250lb | TL        |

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

# REM-18



## (L5) LOADER TIRE

The Double Coin REM-18 radial OTR is built for severe loader applications. This OTR tire is constructed with special chip and cut resistant compounds to promote extended original tread life and long-term retreadability. Designed with a wide footprint and center rib for stability, the REM-18 OTR features a directional tread design for increased forward traction.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT   | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|---------------|-----------|
| 1087183532   | 35/65R33  | REM-18  | ★★          | 10               | 5               | 81                      | 37                   | 123                 | 28.00/3.5 | 60076lb/94psi            | 1026kg/2255lb | TL        |

# REM-8



## (MCS) HIGH-SPEED CRANE TIRE

The REM-8 high-speed crane OTR tire is U.S. DOT approved for on-highway use. The OEM Certified REM-8 is designed with a universal tread pattern to help minimize fuel consumption, improve traction and deliver a more comfortable ride.



| PRODUCT CODE | TIRE SIZE               | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-------------------------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| 1117184241   | 14.00R24<br>(385/95R24) | REM-8   | ★★★         | 70               | 43              | 54                      | 16                   | 31                  | 10.00W    | 13948lb/144psi           | 133kg/293lb | TL        |
| 1117184251   | 14.00R25<br>(385/95R25) | REM-8   | ★★★         | 70               | 43              | 54                      | 16                   | 31                  | 10.00/1.5 | 13948lb/144psi           | 135kg/305lb | TL        |
| 1117186251   | 16.00R25<br>(445/95R25) | REM-8   | ★★★         | 70               | 43              | 59                      | 17                   | 33                  | 11.25/2.0 | 16280lb/130psi           | 209kg/446lb | TL        |
| 1117196251   | 16.00R25<br>(445/95R25) | REM-8   | ★★          | 80               | 50              | 59                      | 17                   | 33                  | 11.25/2.0 | 14740lb/130psi           | 203kg/444lb | TL        |
| 1117190251   | 20.5R25<br>(525/80R25)  | REM-8   | ★★          | 70               | 43              | 59                      | 21                   | 39                  | 17.00/2.0 | 17065.4lb/101psi         | 238kg/525lb | TL        |
| 1117190252   | (525/80R25)<br>20.5R25  | REM-8   | ★★          | 80               | 50              | 59                      | 21                   | 39                  | 17.00/2.0 | 15620lb/101psi           | 238kg/525lb | TL        |

# REM-3



## (SS) SKID STEER TIRE

The Double Coin REM-3 OTR features a special uni-directional tread design for maximum traction in Off-the-Road skid loader applications. Its radial design offers optimum performance and increased tire life, as well as an enhanced ride and handling.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM  | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|------|--------------------------|-------------|-----------|
| 1106340650   | 10R16.5   | REM-3   | 128A5       | 35               | 22              | 30                      | 10                   | 23                  | 8.25 | 3900lb/54psi             | 32kg/70lb   | TL        |
| 1106342650   | 12R16.5   | REM-3   | 141A5       | 35               | 22              | 33                      | 12                   | 29                  | 9.75 | 5600lb/54psi             | 42kg/93lb   | TL        |

# REM-6



## (IND) INDUSTRIAL LUG TIRE

The Double Coin REM-6 radial design delivers optimum performance and traction in industrial lug, crane and port applications. The REM-6 is engineered with special tread compounds to run cool, fight rapid wear and deliver remarkable stability.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| 1106355086   | 5.00R8    | REM-6   | 111A5       | 35               | 22              | 18                      | 5                    | 31                  | 3.00D     | 2398lb/145psi            | 10kg/23lb   | T&F       |
| 1106356096   | 6.00R9    | REM-6   | 121A5       | 35               | 22              | 21                      | 6                    | 31                  | 4.00E     | 3190lb/145psi            | 17kg/37lb   | T&F       |
| 1106356505   | 6.50R10   | REM-6   | 128A5       | 35               | 22              | 23                      | 7                    | 34                  | 5.00      | 3968lb/145psi            | 20kg/44lb   | T&F       |
| 1106357026   | 7.00R12   | REM-6   | 136A5       | 35               | 22              | 26                      | 7                    | 35                  | 5.00S     | 4928lb/145psi            | 27kg/59lb   | T&F       |
| 1106353156   | 315/70R15 | REM-6   | 165A5       | 35               | 22              | 33                      | 12                   | 45                  | 8.00      | 11330lb/145psi           | 59kg/130lb  | T&F / TL  |
| 1106357056*  | 7.00R15   | REM-6   | 143A5       | 35               | 22              | 29                      | 8                    | 35                  | 5.50      | 5995lb/145psi            | 32kg/69lb   | T&F       |
| 1106357556   | 7.50R15   | REM-6   | 146A5       | 35               | 22              | 30                      | 8                    | 38                  | 6.00      | 6600lb/145psi            | 37kg/81lb   | T&F       |
| 1106358255   | 8.25R15   | REM-6   | 153A5       | 35               | 22              | 33                      | 9                    | 40                  | 6.50      | 8050lb/145psi            | 47kg/104lb  | T&F       |
| 1106352275   | 225/75R15 | REM-6   | 149A5       | 35               | 22              | 28                      | 9                    | 31                  | 7.00      | 7150lb/145psi            | 32kg/70lb   | T&F       |
| 1106352575   | 250/70R15 | REM-6   | 153A5       | 35               | 22              | 29                      | 10                   | 33                  | 7.00      | 8030lb/145psi            | 35kg/77lb   | T&F       |
| 1106351006   | 10.00R20  | REM-6   | 166A5       | 35               | 22              | 42                      | 12                   | 44                  | 7.50      | 11660lb/145psi           | 87kg/191lb  | T&F       |
| 1106351206   | 12.00R20  | REM-6   | 176A5       | 35               | 22              | 45                      | 13                   | 52                  | 8.50      | 19570lb/145psi           | 111kg/245lb | T&F       |
| 1106351246   | 12.00R24  | REM-6   | 178A5       | 35               | 22              | 49                      | 13                   | 49                  | 8.50      | 20670lb/145psi           | 126kg/278lb | T&F       |
| 1106354241   | 14.00R24  | REM-6   | 193A5       | 25               | 15              | 56                      | 15                   | 81                  | 10.00     | 27340lb/145psi           | 232kg/506lb | T&F       |
| 1106354242   | 14.00R24  | REM-6   | 193A5       | 25               | 15              | 56                      | 15                   | 81                  | 10.00     | 27340lb/145psi           | 232kg/506lb | TL        |
| 1106351825   | 18.00R25  | REM-6   | 207A5       | 25               | 15              | 65                      | 20                   | 81                  | 13.00/2.5 | 46480lb/145psi           | 415kg/915lb | TL        |

\* Only available in Mexico

# REM-17



## (IND) INDUSTRIAL LUG TIRE

The Double Coin REM-17 radial design promotes optimum performance, wear and stability in industrial lug and port environments. This tire is engineered with special tread compounds to fight rapid wear and enhance traction in all port applications.



| PRODUCT CODE | TIRE SIZE | PATTERN | LOAD SYMBOL | SPEED MAX (KM/H) | SPEED MAX (MPH) | OVERALL DIAMETER (INCH) | SECTION WIDTH (INCH) | TREAD DEPTH (32NDS) | RIM       | SINGLE MAX LOAD/PRESSURE | TIRE WEIGHT | TIRE TYPE |
|--------------|-----------|---------|-------------|------------------|-----------------|-------------------------|----------------------|---------------------|-----------|--------------------------|-------------|-----------|
| 1106371625   | 16.00R25  | REM-17  | 200A5       | 25               | 15              | 59                      | 17                   | 70                  | 11.25/2.0 | 30860lb/145psi           | 265kg/585lb | TL        |

# SERVICE INFORMATION

## DOUBLE COIN FOR GRADER SERVICE – 40 KM/H (25 MPH) MAXIMUM SPEED

Grader  
DISTANCE – Unlimited

| TIRE SIZE DESIGNATION | KPA | 200  | 225  | 250  | 275  | 300  | 325  | 350  | 375   |
|-----------------------|-----|------|------|------|------|------|------|------|-------|
|                       | PSI | 29   | 33   | 36   | 40   | 44   | 47   | 51   | 54    |
| <b>13.00R24</b>       | KG  | 1850 | 2000 | 2180 | 2360 | 2500 | 2650 | 2800 | 3000* |
|                       | LB  | 4080 | 4400 | 4800 | 5200 | 5520 | 5840 | 6150 | 6600* |
| <b>14.00R24</b>       | KG  | 2240 | 2430 | 2650 | 2800 | 3000 | 3250 | 3350 | 3650* |
|                       | LB  | 4940 | 5360 | 5840 | 6150 | 6600 | 7150 | 7400 | 8050* |

| MAXIMUM SPEED    | % LOAD CHANGE FROM ABOVE TABLE |
|------------------|--------------------------------|
| 40 KM/H (25 MPH) | NO CHANGE                      |
| 50 KM/H (30 MPH) | -9%                            |

| MAXIMUM SPEED    | % LOAD CHANGE FROM ABOVE TABLE |
|------------------|--------------------------------|
| 60 KM/H (35 MPH) | -18%                           |
| 65 KM/H (40 MPH) | -27%                           |

| MAXIMUM EXCESS LOADS |           |
|----------------------|-----------|
| LOAD                 | PRESSURE* |
| 15%                  | 30%       |
| 7%                   | 14%       |

## DOUBLE COIN ROAD SLOW SPEED SERVICE – 10 KM/H (5 MPH) MAXIMUM SPEED

Loaders, Dozers, Lift Trucks & Straddle Carriers  
DISTANCE – Up to 76 m (250 feet) one way

| TIRE SIZE DESIGNATION | KPA | 400   | 425   | 450   | 475   | 500    | 525   | 550   | 575   | 600   | 625   | 650    |
|-----------------------|-----|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
|                       | PSI | 58    | 62    | 65    | 69    | 73     | 76    | 80    | 83    | 87    | 91    | 94     |
| <b>17.5R25</b>        | KG  | 6000  | 6150  | 6500  | 6700  | 7100*  | 7300  | 7500  | 7750  | 8000  | 8250  | 8500*  |
|                       | LB  | 13200 | 13600 | 14300 | 14800 | 15700* | 16100 | 16500 | 17100 | 17600 | 18200 | 18700* |
| <b>20.5R25</b>        | KG  | 8000  | 8250  | 8750  | 9000  | 9500*  | 9750  | 10000 | 10300 | 10900 | 11200 | 11500* |
|                       | LB  | 17600 | 18200 | 19300 | 19800 | 20900* | 21500 | 22000 | 22700 | 24000 | 24700 | 25400* |
| <b>23.5R25</b>        | KG  | 10300 | 10600 | 11200 | 11500 | 12150* | 12500 | 12850 | 13200 | 13600 | 14000 | 14500* |
|                       | LB  | 22700 | 23400 | 24700 | 25400 | 26800* | 27600 | 28300 | 29100 | 30000 | 30900 | 32000* |
| <b>26.5R25</b>        | KG  | 12850 | 13200 | 14000 | 14500 | 15000* | 15500 | 16000 | 16500 | 17000 | 18000 | 18500* |
|                       | LB  | 28300 | 29100 | 30900 | 32000 | 33100* | 34200 | 35300 | 36400 | 37500 | 39700 | 40800* |
| <b>29.5R25</b>        | KG  | 15500 | 16000 | 17000 | 17500 | 18000* | 19000 | 19500 | 20000 | 20600 | 21200 | 22400* |
|                       | LB  | 34200 | 35300 | 37500 | 38600 | 39700* | 41900 | 43000 | 44100 | 45400 | 46700 | 49400* |

| MAXIMUM SPEED   | % LOAD CHANGE FROM ABOVE TABLE |
|-----------------|--------------------------------|
| STATIONARY      | +60%                           |
| CREEP           | +30%                           |
| 4 KM/H (2½ MPH) | +15%                           |

| MAXIMUM SPEED    | % LOAD CHANGE FROM ABOVE TABLE |
|------------------|--------------------------------|
| 10 KM/H (5 MPH)  | NO CHANGE                      |
| 5 KM/H (10 MPH)  | -13%                           |
| 25 KM/H (15 MPH) | -20%                           |

| MAXIMUM EXCESS LOADS |           |
|----------------------|-----------|
| LOAD                 | PRESSURE* |
| 15%                  | 30%       |
| 7%                   | 14%       |

\* If excess loads are encountered, cold inflation pressures must be increased to compensate for higher loads. For each 1% increase in load, cold inflation pressure must be increased by 2%. Cold inflation pressure shall not exceed 800 kPa (116 psi). Any loads higher than the listed max or an increase of air beyond 116 psi need the written approval of CMA ROTR department.

# SERVICE INFORMATION

## DOUBLE COIN ROAD HAULAGE SERVICE – 50 KM/H (30 MPH) MAXIMUM SPEED

Earthmover (Haulage) Vehicles

DISTANCE - Up to 4 km (2.5 miles) one way

| TIRE SIZE DESIGNATION | KPA | 275   | 300   | 325   | 350   | 375    | 400   | 425   | 450   | 475   | 500   | 525    |
|-----------------------|-----|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|
|                       |     | PSI   | 40    | 44    | 47    | 51     | 54    | 58    | 62    | 65    | 69    | 73     |
| 17.5R25               | KG  | 3350  | 3500  | 3750  | 4000  | 4125   | 4375  | 4625  | 4750  | 5000  | 5150  | 5450*  |
|                       | LB  | 7400  | 7850  | 8250  | 8800  | 9100   | 9650  | 10200 | 10500 | 11000 | 11400 | 12000* |
| 20.5R25               | KG  | 4375  | 4750  | 5000  | 5300  | 5600   | 5800  | 6150  | 6500  | 6700  | 6900  | 7300*  |
|                       | LB  | 9650  | 10500 | 11000 | 11700 | 12300  | 12800 | 13600 | 14300 | 14800 | 15200 | 16100* |
| 23.5R25               | KG  | 5600  | 6000  | 6500  | 6700  | 7100   | 7500  | 7750  | 8250  | 8500  | 9000  | 9250*  |
|                       | LB  | 12300 | 13200 | 14300 | 14800 | 15700  | 16500 | 17100 | 18200 | 18700 | 19800 | 20400* |
| 26.5R25               | KB  | 7100  | 7500  | 8000  | 8500  | 9000*  | 9500  | 9750  | 10300 | 10600 | 11200 | 11500* |
|                       | LB  | 15700 | 16500 | 17600 | 18700 | 19800* | 20900 | 21500 | 22700 | 23400 | 24700 | 25400* |
| 29.5R25               | KG  | 8500  | 9250  | 9750  | 10300 | 10900  | 11500 | 11800 | 12500 | 12850 | 13600 | 14000* |
|                       | LB  | 18700 | 20400 | 21500 | 22700 | 24000  | 25400 | 26000 | 27600 | 28300 | 30000 | 30900* |

| TIRE SIZE DESIGNATION | KPA | 450   | 475    | 500   | 525   | 550   | 575   | 600    | 625    | 650    | 675    | 700     |
|-----------------------|-----|-------|--------|-------|-------|-------|-------|--------|--------|--------|--------|---------|
|                       |     | PSI   | 65     | 69    | 73    | 76    | 80    | 83     | 87     | 91     | 94     | 98      |
| 13.00R24              | KG  | 3350  | 3550*  | 3650  | 3750  | 3875  | 4125  | 4250   | 4375   | 4500   | 4625   | 4750*   |
|                       | LB  | 7400  | 7850*  | 8050  | 8250  | 8550  | 9100  | 9350   | 9650   | 9900   | 10200  | 10500*  |
| 14.00R24              | KG  | 4000  | 4125*  | 4375  | 4500  | 4625  | 4750  | 5000   | 5150   | 5300   | 5450   | 5600*   |
|                       | LB  | 8800  | 9100*  | 9650  | 9900  | 10200 | 10500 | 11000  | 11400  | 11700  | 12000  | 12300*  |
| 16.00R25              | KG  | 5150  | 5450*  | 5600  | 5800  | 6000  | 6300  | 6500   | 6700   | 6900   | 7100   | 7300*   |
|                       | LB  | 11400 | 12000* | 12300 | 12800 | 13200 | 13900 | 14300  | 14800  | 15200  | 15700  | 16100*  |
| 18.00R33              | KG  | 7750  | 8000*  | 8500  | 8750  | 9000  | 9250  | 9750   | 10000  | 10300  | 10600  | 10900*  |
|                       | LB  | 17100 | 17600* | 18700 | 19300 | 19800 | 20400 | 21500  | 22000  | 22700  | 23400  | 24000*  |
| 21.00R33              | KG  | 10000 | 10300  | 10900 | 11200 | 11500 | 11800 | 12500  | 12850  | 13200  | 13600  | 14000*  |
|                       | LB  | 22000 | 22700  | 24000 | 24700 | 25400 | 26000 | 27600  | 28300  | 29100  | 30000  | 30900*  |
| 24.00R35              | KG  | 13200 | 13600  | 14000 | 14500 | 15500 | 16000 | 16500  | 17000  | 17500  | 18000  | 18500*  |
|                       | LB  | 29100 | 30000  | 30900 | 32000 | 34200 | 35300 | 36400  | 37500  | 38600  | 39700  | 40800*  |
| 27.00R49              | KG  | 19500 | 20000* | 20600 | 21800 | 22400 | 23000 | 23600  | 25000  | 25750  | 26500  | 27250*  |
|                       | LB  | 43000 | 44100* | 45400 | 48100 | 49400 | 50700 | 52000  | 55100  | 56800  | 58400  | 60000*  |
| 37.00R57              | KG  | 37500 | 38750* | 40000 | 41250 | 43750 | 45000 | 46250  | 47500  | 48750  | 50000  | 51500*  |
|                       | LB  | 82500 | 85500* | 88000 | 91000 | 96500 | 99000 | 102000 | 104500 | 107500 | 110000 | 113500* |

| MAXIMUM SPEED    | % LOAD CHANGE FROM ABOVE TABLE |
|------------------|--------------------------------|
| 50 KM/H (30 MPH) | *                              |
| 45 KM/H (28 MPH) | +2%                            |
| 40 KM/H (25 MPH) | +3%                            |
| 35 KM/H (22 MPH) | +4%                            |

| MAXIMUM SPEED    | % LOAD CHANGE FROM ABOVE TABLE |
|------------------|--------------------------------|
| 30 KM/H (18 MPH) | +6%                            |
| 25 KM/H (16 MPH) | +8%                            |
| 20 KM/H (10 MPH) | +10%                           |
| 15 KM/H (9 MPH)  | +12%                           |

| MAXIMUM EXCESS LOADS |           |
|----------------------|-----------|
| LOAD                 | PRESSURE* |
| 15%                  | 30%       |
| 7%                   | 14%       |

\* If excess loads are encountered, cold inflation pressures must be increased to compensate for higher loads. For each 1% increase in load, cold inflation pressure must be increased by 2%. Cold inflation pressure shall not exceed 800 kPa (116 psi). Any loads higher than the listed max or an increase of air beyond 116 psi need the written approval of CMA ROTR department.

# ENGINEERING GUIDE

## INTERNATIONAL LOAD INDEX NUMBERS, KILOGRAM LOADS, AND TRA EQUIVALENT POUND LOADS

Not Applicable to Passenger Car or Truck-Bus Tires

| LI | KG   | LB  | LI  | KG   | LB   | LI  | KG   | LB    | LI  | KG    | LB    | LI  | KG     | LB     |
|----|------|-----|-----|------|------|-----|------|-------|-----|-------|-------|-----|--------|--------|
| U  | 45   | 99  | 56  | 224  | 495  | 112 | 1120 | 2470  | 168 | 5600  | 12300 | 224 | 28000  | 61500  |
| 1  | 46.2 | 102 | 57  | 230  | 505  | 113 | 1150 | 2540  | 169 | 5800  | 12800 | 225 | 29000  | 64000  |
| 2  | 47.5 | 105 | 58  | 236  | 520  | 114 | 1180 | 2600  | 170 | 6000  | 13200 | 226 | 30000  | 66000  |
| 3  | 48.7 | 107 | 59  | 243  | 535  | 115 | 1215 | 2680  | 171 | 6150  | 13600 | 227 | 30750  | 68000  |
| 4  | 50   | 110 | 60  | 250  | 550  | 116 | 1250 | 2760  | 172 | 6300  | 13900 | 228 | 31500  | 69500  |
| 5  | 51.5 | 114 | 61  | 257  | 565  | 117 | 1285 | 2830  | 173 | 6500  | 14300 | 229 | 32500  | 71500  |
| 6  | 53   | 117 | 62  | 265  | 585  | 118 | 1320 | 2910  | 174 | 6700  | 14800 | 230 | 33500  | 74000  |
| 7  | 54.5 | 120 | 63  | 272  | 600  | 119 | 1360 | 3000  | 175 | 6900  | 15200 | 231 | 34500  | 76000  |
| 8  | 56   | 123 | 64  | 280  | 615  | 120 | 1400 | 3080  | 176 | 1100  | 15700 | 232 | 35500  | 78500  |
| 9  | 58   | 118 | 65  | 190  | 640  | 121 | 1450 | 3200  | 177 | 7300  | 16100 | 233 | 36500  | 80500  |
| 10 | 60   | 132 | 66  | 300  | 660  | 111 | 1500 | 3300  | 178 | 7500  | 16500 | 234 | 37500  | 82500  |
| 11 | 61.5 | 136 | 67  | 307  | 675  | 123 | 1550 | 3420  | 179 | 7750  | 17100 | 235 | 38750  | 85500  |
| 12 | 63   | 139 | 68  | 315  | 695  | 124 | 1600 | 3520  | 180 | 8000  | 17600 | 236 | 40000  | 88000  |
| 13 | 65   | 143 | 69  | 325  | 715  | 125 | 1650 | 3640  | 181 | 8250  | 18200 | 237 | 41250  | 91000  |
| 14 | 67   | 148 | 70  | 335  | 740  | 126 | 1700 | 3740  | 182 | 8500  | 18700 | 238 | 42500  | 93500  |
| 15 | 69   | 152 | 71  | 345  | 760  | 127 | 1750 | 3860  | 183 | 8750  | 19300 | 239 | 43750  | 96500  |
| 16 | 71   | 157 | 72  | 355  | 785  | 128 | 1800 | 4080  | 184 | 9000  | 19800 | 240 | 45000  | 99000  |
| 17 | 73   | 161 | 73  | 365  | 805  | 129 | 1850 | 4080  | 185 | 9250  | 20400 | 241 | 46250  | 102000 |
| 18 | 75   | 165 | 74  | 375  | 825  | 130 | 1900 | 4180  | 186 | 9500  | 20900 | 242 | 47500  | 104500 |
| 19 | 77.5 | 170 | 75  | 387  | 855  | 131 | 1950 | 4300  | 187 | 9750  | 21500 | 243 | 48750  | 107500 |
| 20 | 80   | 175 | 76  | 400  | 880  | 132 | 2000 | 4400  | 188 | 10000 | 22000 | 244 | 50000  | 110000 |
| 21 | 82.5 | 180 | 77  | 412  | 910  | 133 | 2060 | 4540  | 189 | 10300 | 22700 | 245 | 51500  | 113500 |
| 22 | 85   | 185 | 78  | 425  | 935  | 134 | 2120 | 4680  | 190 | 10600 | 23400 | 246 | 53000  | 117000 |
| 23 | 87.5 | 195 | 79  | 437  | 965  | 135 | 1180 | 4800  | 191 | 10900 | 24000 | 247 | 54500  | 120000 |
| 24 | 90   | 100 | 80  | 450  | 990  | 136 | 2240 | 4940  | 192 | 11200 | 24690 | 248 | 56000  | 123500 |
| 25 | 92.5 | 205 | 81  | 462  | 1020 | 137 | 2300 | 5080  | 193 | 11500 | 25350 | 249 | 58500  | 128000 |
| 26 | 95   | 210 | 82  | 475  | 1050 | 138 | 2160 | 5200  | 194 | 11800 | 26000 | 250 | 60000  | 132500 |
| 27 | 97.5 | 215 | 83  | 487  | 1070 | 139 | 2430 | 5360  | 195 | 12150 | 26750 | 251 | 61500  | 135500 |
| 28 | 100  | 220 | 84  | 500  | 1100 | 140 | 2500 | 5520  | 196 | 12500 | 27550 | 252 | 63000  | 139000 |
| 29 | 103  | 225 | 85  | 515  | 1140 | 141 | 2575 | 5680  | 197 | 12850 | 28300 | 253 | 65000  | 143500 |
| 30 | 106  | 235 | 86  | 530  | 1170 | 142 | 2650 | 5840  | 198 | 13200 | 29000 | 254 | 67000  | 147500 |
| 31 | 109  | 240 | 87  | 545  | 1200 | 143 | 2725 | 6000  | 199 | 13600 | 30000 | 255 | 69000  | 152000 |
| 32 | 112  | 245 | 88  | 560  | 1230 | 144 | 2800 | 6150  | 200 | 14000 | 30900 | 256 | 71000  | 156000 |
| 33 | 115  | 255 | 89  | 585  | 1280 | 145 | 2900 | 6400  | 201 | 14500 | 32000 | 257 | 73000  | 161000 |
| 34 | 118  | 260 | 90  | 600  | 1320 | 146 | 3000 | 6600  | 202 | 15000 | 33100 | 258 | 75000  | 165500 |
| 35 | 121  | 265 | 91  | 615  | 1360 | 147 | 30.5 | 6800  | 203 | 15500 | 34200 | 259 | 77500  | 171000 |
| 36 | 125  | 275 | 92  | 630  | 1390 | 148 | 3150 | 6950  | 204 | 16000 | 35300 | 260 | 80000  | 176500 |
| 37 | 128  | 280 | 93  | 650  | 1430 | 149 | 3250 | 7150  | 205 | 16500 | 36400 | 261 | 82500  | 182000 |
| 38 | 132  | 290 | 94  | 670  | 1480 | 150 | 3350 | 7400  | 206 | 17000 | 37500 | 262 | 85000  | 187500 |
| 39 | 136  | 300 | 95  | 690  | 1520 | 151 | 3450 | 7600  | 207 | 17500 | 38600 | 263 | 87500  | 193000 |
| 40 | 140  | 310 | 96  | 710  | 1570 | 152 | 3550 | 7850  | 108 | 18000 | 39700 | 264 | 90000  | 198500 |
| 41 | 145  | 320 | 97  | 730  | 1610 | 153 | 3650 | 8050  | 209 | 18500 | 40800 | 265 | 92500  | 204000 |
| 42 | 150  | 330 | 98  | 750  | 1650 | 154 | 3750 | 8250  | 210 | 19000 | 41900 | 266 | 95000  | 209500 |
| 43 | 155  | 340 | 99  | 775  | 1710 | 155 | 3875 | 8550  | 211 | 19500 | 43000 | 267 | 97500  | 215000 |
| 44 | 160  | 355 | 100 | 800  | 1760 | 156 | 4000 | 8800  | 212 | 20000 | 44100 | 268 | 100000 | 220500 |
| 45 | 165  | 365 | 101 | 825  | 1820 | 157 | 4125 | 9100  | 213 | 20600 | 45400 | 269 | 103000 | 227000 |
| 46 | 170  | 375 | 102 | 850  | 1870 | 158 | 4250 | 9350  | 214 | 21200 | 46700 | 270 | 106000 | 233500 |
| 47 | 175  | 385 | 103 | 875  | 1930 | 159 | 4375 | 9650  | 215 | 21800 | 48100 | 271 | 109000 | 240500 |
| 48 | 180  | 395 | 104 | 900  | 1980 | 160 | 4500 | 9900  | 216 | 22400 | 49400 | 272 | 112000 | 247000 |
| 49 | 185  | 410 | 105 | 925  | 2040 | 161 | 4625 | 10200 | 217 | 23000 | 50700 | 273 | 115000 | 253500 |
| 50 | 190  | 420 | 106 | 950  | 2090 | 162 | 4750 | 10500 | 218 | 23600 | 52000 | 274 | 118000 | 260000 |
| 51 | 195  | 430 | 107 | 975  | 2150 | 163 | 4875 | 10700 | 219 | 24300 | 53600 | 275 | 121000 | 267000 |
| 52 | 200  | 440 | 108 | 1000 | 2200 | 164 | 5000 | 11000 | 220 | 25000 | 55100 | 276 | 125000 | 275500 |
| 53 | 206  | 455 | 109 | 1030 | 2270 | 165 | 5150 | 11400 | 221 | 25750 | 56800 | 277 | 128500 | 283500 |
| 54 | 212  | 465 | 110 | 1060 | 2340 | 166 | 5300 | 11700 | 222 | 26500 | 58400 | 278 | 132000 | 291000 |
| 55 | 218  | 480 | 111 | 1090 | 2400 | 167 | 5450 | 12000 | 223 | 27250 | 60000 | 279 | 136000 | 300000 |

# TON-MILE-PER-HOUR

## THE TMPH FORMULA

Ton-Miles-Per-Hour (TMPH) measurements and ratings are used as guidelines so that tires do not overheat. It is important to calculate job TMPH requirements before every job. To prevent heat damage and premature tire removal due to excessive heat, make sure tires are rated at or above the job requirements.

Here's the formula to determine the Ton-Mile-Per-Hour Rating: Multiply the Average Tire Load times the Average Shift Speed per hour.

**TMPH Job Rate = Average Tire Load × Average Shift Speed**

$$\text{Average Tire Load} = \frac{\text{"Empty" Tire Load in Tons} + \text{"Loaded" Tire Load in Tons}}{2}$$

$$\text{Average Shift Speed} = \frac{\text{Round Trip Distance in Miles} \times \text{Number of Trips}}{\text{Total Hours (in the shift)}}$$

## 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

### CALCULATION

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

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

**JOB TMPH: 13.5 Tons × 16.9 MPH = 228 TMPH**

## 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.

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](http://www.doublecointires.com)

## TON-MILES-PER-HOUR SUMMARY

The Ton-Miles-Per-Hour formula helps to maintain optimum performance from Double Coin earthmover tires. TMPH helps you calculate the load-speed-time factor that's within tire temperature specifications. All Double Coin earthmover tires have a designated TMPH limit. Earthmover haul jobs operate at various TMPH rates, based on load, distance and the time involved for round trips. Therefore it is critical to determine each job's haul rate and compare it to each tire's TMPH rate limit.

For haul distances in excess of 20 miles one way, consult your Double Coin Representative.

TKPH (METRIC) = Average Load (Metric Tons) × Average Speed (Km/h)

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.

| TIRE SIZE | MODEL     | COMPOUND*  | TMPH/TKPH |
|-----------|-----------|------------|-----------|
| 24.00R35  | REM-9 E4  | A Compound | 168/245   |
|           |           | S Compound | 212/310   |
|           |           | B Compound | 294/420   |
| 27.00R49  | REM-9 E4  | A Compound | 329/480   |
|           |           | S Compound | 384/560   |
|           |           | B Compound | 438/640   |
| 33.00R51  | REM-11 E4 | A Compound | 343/500   |
|           |           | S Compound | 418/610   |
|           |           | B Compound | 500/730   |
| 37.00R57  | REM-11 E4 | A Compound | 466/680   |
|           |           | S Compound | 569/830   |
|           |           | B Compound | 678/990   |
| 40.00R57  | REM-11 E4 | A Compound | 510/745   |
|           |           | S Compound | 641/935   |
|           |           | B Compound | 774/1130  |

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



# IDENTIFICATION OF EARTHMOVER TIRES

## MAXIMUM PLY RATING (PR) AND CORRESPONDING STAR (★) MARKING

| TIRE SIZE            | STAR MARKING | WORK MACHINES PR | TRANSPORT MACHINES PR | TIRE SIZE  | STAR MARKING | WORK MACHINES PR | TRANSPORT MACHINES PR | TIRE SIZE   | STAR MARKING | WORK MACHINES PR | TRANSPORT MACHINES PR |
|----------------------|--------------|------------------|-----------------------|------------|--------------|------------------|-----------------------|-------------|--------------|------------------|-----------------------|
| 7.50R15              |              | 12               |                       | 13.00R25   | ★★★          |                  | 28                    | 33.5R33     | ★★           |                  | 44                    |
| 8.25R15              |              | 12               |                       | 14.00R25   | ★★★          |                  | 32                    | 35/65R33    | ★            |                  | 36                    |
| 27×8.50R15           |              |                  |                       | 15.5R25    | ★            |                  | 16                    | 35/65R33    | ★★           |                  |                       |
| 10.00R15             |              |                  |                       | 16.00R25   | ★★           |                  | 36                    | 37.5R33     | ★★           |                  | 48                    |
| 350/65R15*           |              |                  |                       | 17.5R25    | ★            | 16               |                       | 21.00R35    | ★★           |                  | 44                    |
| 14.5R15              |              |                  |                       | 17.5R25    | ★★           | 20               | 24                    | 24.00R35    | ★★           |                  | 48                    |
| 400/80R15*           |              |                  |                       | 18.00R25   | ★            | 24               |                       | 29.5R35     | ★★           |                  | 40                    |
| 10R16.5              |              |                  |                       | 18.00R25   | ★★           |                  | 36                    | 33.25R35    | ★★           |                  | 44                    |
| 12R16.5              |              |                  |                       | 20.5R25    | ★            | 24               |                       | 37.25R35    | ★★           |                  | 48                    |
| 18R19.5              | ★            | 16               |                       | 20.5R25    | ★★           |                  | 28                    | 37.5R39     | ★★           |                  | 52                    |
| 9.00R20              |              | 16               |                       | 550/65R25* | ★            |                  |                       | 40/65R39    | ★            | 42               |                       |
| 10.00R20             |              | 16               |                       | 21.00R25   | ★★           |                  | 40                    | 40.5/75R39  | ★★           |                  | 54                    |
| C20Pii (11/80R20)*   |              |                  |                       | 23.5R25    | ★            | 28               |                       | 45/65R39*   | ★            |                  |                       |
| 12.00R20             |              | 18               |                       | 23.5R25    | ★★           |                  | 32                    | 45/65R45    | ★            | 50               |                       |
| E20 (13/80R20)*      |              |                  |                       | 600/65R25* | ★            |                  |                       | 24.00R49    | ★★           |                  | 48                    |
| 14.00R20*            |              |                  |                       | 25/65R25   | ★★           |                  | 32                    | 27.00R49    | ★★           |                  | 54                    |
| 16.00R20             |              |                  |                       | 650/65R25* |              |                  |                       | 31/80R49*   | ★★           |                  |                       |
| 525/70R20.5          |              |                  |                       | 26.5R25    | ★            | 32               |                       | 30.00R51    | ★★           |                  | 64                    |
| 24R20.5              |              |                  |                       | 26.5R25    | ★★           |                  | 32                    | 33.00R51    | ★★           |                  | 68                    |
| 24R21                |              |                  |                       | 750/65R25* |              |                  |                       | 36.00R51    | ★★           |                  | 74                    |
| 15R22.5              | ★            | 16               |                       | 29.5R25    | ★            | 34               |                       | 27.00R56.5* | ★★           |                  |                       |
| 18R22.5              | ★            | 16               |                       | 29.5R25    | ★★           |                  | 34                    | 37.00R57*   | ★★           |                  |                       |
| 12.00R24             | ★★★          | 24               | 24                    | 850/65R25* |              |                  |                       | 40.00R57    | ★★           |                  | 78                    |
| 13.00R24 TG          | ★            | 14               |                       | 26.5R29    | ★★           |                  | 34                    | 44/80R57*   | ★★           |                  |                       |
| 14.00R24 TG          | ★            | 16               |                       | 775/65R29* |              |                  |                       | 50/80R57*   | ★★           |                  |                       |
| 14.00R24             | ★            | 24               |                       | 29.5R29    | ★            | 34               |                       | 55/80R57*   | ★            |                  |                       |
| 14.00R24             | ★★★          | 28               | 32                    | 29.5R29    | ★★           |                  | 40                    | 50/90R57*   | ★★           |                  |                       |
| 15.00R24 (17/80R24)* |              |                  |                       | 30/65R29   | ★            | 28               |                       | 60/80R57*   |              |                  |                       |
| 16.00R24 TG          | ★            | 16               |                       | 33.25R29   | ★★           |                  | 44                    | 53/80R63*   | ★★           |                  |                       |
| 16.00R24             | ★★           |                  | 36                    | 800/65R29* | ★            |                  |                       | 55/80R63*   | ★★           |                  |                       |
| 555/70R24 TG*        | ★            |                  |                       | 875/65R29* |              |                  |                       | 58/80R63*   | ★★           |                  |                       |
|                      |              |                  |                       | 18.00R33   | ★★           |                  | 40                    | 56/80R63*   | ★★           |                  |                       |
|                      |              |                  |                       | 21.00R33   | ★★           |                  | 32                    | 59/80R63*   | ★★           |                  |                       |

\* No corresponding ply rating in these sizes which are only made in radial construction

# TECHNICAL SERVICE BULLETINS

## OTR TECHNICAL SERVICE BULLETIN

July 1, 2009 – TSB-0901

### Double Coin Technical Bulletin for all models of Radial Off-The-Road Tires

Please be advised that the following guidelines should be followed when utilizing any Double Coin Small, Large or Giant Radial Off-The-Road (OTR) Tires:

- Any increase in air pressure beyond 116psi requires approval from CMA OTR Department prior to placing tires in service

- Published inflation pressures specified in Double Coin Data Book are cold inflation pressure only and are at prevailing atmospheric pressure
- Please refer to Tire and Rim Association (TRA) data as a reference only when using Double Coin OTR tires
- Please refer to TRA recommendations for Gross Vehicle Weight (GVW)
- Vehicle Weight plus Load = GVW

- Each application will vary depending on density of material, speed, distance, etc.; refer to TRA guidelines for proper inflation

If you have any questions concerning these or other guidelines for Double Coin OTR products, please contact Double Coin/CMA engineering.

**Double Coin/CMA Technical Inquiry Line  
1-888-226-5250**

## OTR TECHNICAL SERVICE BULLETIN

January 1, 2012 – TSB0112

### Double Coin Technical Bulletin for REM-8 High Speed Mobile Crane Tires; Restricted Speeds and Distances

Please be advised of the following guidelines when utilizing any Double Coin REM-8 High Speed Mobile Crane tires.

#### Restricted Maximum Speed:

- All REM-8 tires have a maximum speed rating of 55 mph (88.5 kph).
- REM-8 tires are not rated to exceed 55 mph (88.5 kph) under any circumstance or any load or pressure.

#### Restricted Maximum Distance:

- Double Coin engineering documents state if a mobile crane is in continuous movement or travel speeds for one hour or more, different limitations apply.
- In continuous travel, tires may not travel over 40 miles in one hour (65 kilometers in one hour).
- Double Coin recommends a cool down period of 15 minutes per hour for long distance travel.

These restrictions are on all REM-8 tires, regardless of size. Evidence of excess speed/distance may void the Double Coin warranty on these tires.

If you have any questions concerning these or other guidelines on Double Coin REM-8 High Speed Mobile Crane products, please contact Double Coin/CMA engineering.

**Double Coin/CMA Technical Inquiry Line  
1-888-226-5250**

# LIMITED MANUFACTURER'S WARRANTY

## LIMITED WARRANTY

Double Coin Radial Off-The-Road Limited  
Manufacturer's Warranty  
January 1, 2014

## WHO IS ELIGIBLE FOR WARRANTY COVERAGE

You are eligible for the benefits of this warranty if you meet all the following criteria:

- You are the owner or authorized agent of the owner of new Double Coin Radial OTR tires.
- Your Double Coin Radial OTR tires are not branded "NA" (Not Adjustable).
- Your Double Coin Radial OTR tires have been used only on the equipment on which they were originally installed according to the equipment manufacturers or Double Coin's recommendations. Your tires were purchased on or after January 1, 2006.

## WHAT IS COVERED UNDER THIS WARRANTY AND FOR HOW LONG

### PRORATED TIRE REPLACEMENT

Double Coin Radial OTR tires covered by this warranty that become unserviceable due to a defect in workmanship or material during the life of the original usable tread will be reimbursed to the owner on a prorated basis. The life of the original usable tread is defined by when the tire tread has worn down to 10% of the original tread depth, at which point the tire is considered to be fully worn out.

- The defective Double Coin tire must be replaced with a comparable new Double Coin tire by an authorized Double Coin Radial OTR tire dealer.
- Blemished, Non-Adjustable (stamped on tire), retreads or road hazard tires are specifically excluded.

## HOW TO CALCULATE THE PRORATED AMOUNT

The replacement price will be calculated by multiplying the current Double Coin "predetermined price for adjustment" or current advertised selling price at the adjustment location (whichever is lower) by the percentage of usable original tread that has been worn off at the time of adjustment. Please refer to the chart below for calculation of prorated credit. You pay for mounting and any other applicable taxes and fees for the comparable new Double Coin replacement tire.

## WHAT THIS WARRANTY DOES NOT COVER

Irregular wear or tire damage due to:

- Road hazards (including punctures, cuts, snags, impact breaks, etc.)
- Wreck, collision, or fire.
- Improper inflation, overloading, high speed spinup, misapplication, misuse, negligence, racing, chain damage, or improper mounting or demounting.
- Mechanical condition of the equipment.
- Tires with weather cracking are not covered.
- This limited warranty is applicable only in the United States, Mexico, and Canada. Any tire used or equipped on equipment registered or operated outside the U.S., Mexico, and Canada are not covered by this warranty.
- Tire branded or marked "Non-Adjustable" (N/A) or "Blemished" (Blem), or previously adjusted.

Failure, damage, or irregular wear due to:

- Accident or vandalism
- Mechanical condition of equipment
- Misapplication of tire
- Alteration of the tire or addition of alien material or transfer from one machine equipment to another
- Loss of time or use, inconvenience, or any incidental or consequential damages
- Material added to a tire after leaving a factory producing Double Coin tires: (example: tire fillers, sealants, or balancing substance). If the added material is the cause of the tire being removed from service, the tire will not be adjusted.
- Loss of time, inconvenience, loss of use of equipment, incidental or consequential damage.

## YOUR LEGAL RIGHTS

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusions may not apply to you. No representative or dealer has authority to make any representation, promise, or agreement on behalf of Double Coin, except as stated herein.

Any tire, no matter how well constructed, may fail in service or otherwise become unserviceable due to conditions beyond the control of the manufacturer. Under no circumstances is this warranty a representation that a tire failure cannot occur.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

This limited warranty is applicable only in the United States, Mexico, and Canada.

## TO OBTAIN AN ADJUSTMENT

- You must present the tire to be adjusted to a current Double Coin Radial OTR Tire Dealer. (Please consult your telephone directory for locations or visit our dealer locator on our web at [www.doublecointires.com](http://www.doublecointires.com)).
- You must pay for taxes, fees or any additional services you order at the time of adjustment.
- No claim will be recognized unless submitted on a Double Coin claim form (supplied by the Double Coin Tire Dealer), completely filled out and signed by you, the owner of the tire presented for adjustment, or your authorized agent.

## FOR SERVICE ASSISTANCE OR INFORMATION

- First contact the nearest Authorized Double Coin Radial OTR Tire Dealer.
- If additional assistance is required:
  - Visit our website at: [www.doublecointires.com](http://www.doublecointires.com)
  - E-mail the Double Coin Customer Relations Department at: [info@doublecointires.com](mailto:info@doublecointires.com) or
  - Write to:
    - Double Coin Customer Assistance Service Department
    - 406 E. Huntington Drive, Suite 200
    - Monrovia, CA 91016

## SAFETY WARNINGS

Serious injury or property damage may result from:

- TIRE FAILURE DUE TO UNDERINFLATION/OVERLOADING.
- TIRE FAILURE DUE TO EXCESSIVE HIGH SPEED.
- EXPLOSION OF TIRE/RIM ASSEMBLY DUE TO IMPROPER MOUNTING. Only specially-trained persons should mount tires.
- FAILURE TO MOUNT RADIAL TIRES ON APPROVED RIMS
- FAILURE TO DEFLATE SINGLE OR DUAL ASSEMBLIES COMPLETELY BEFORE DISMOUNTING.
- TIRE SPINNING. On slippery surfaces such as snow, mud, ice, etc., do not spin tires. Personal injury and severe damage may result from excessive wheel spinning, including tire disintegration or axle failure.

## DOUBLE COIN

406 E. Huntington Drive, Suite 200  
Monrovia, CA 91016  
1-888-226-5250  
[www.DoubleCoinTires.com](http://www.DoubleCoinTires.com)

## AMOUNT OF CREDIT ISSUED TO THE CUSTOMER FOR WORKMANSHIP AND MATERIAL CONDITIONS

| AGE OF TIRE           | PERCENTAGE OF ORIGINAL TREAD DEPTH REMAINING |            |            |            |            |            |            |           |
|-----------------------|--|------------|------------|------------|------------|------------|------------|-----------|
|                       | 81% TO 100%                                  | 71% TO 80% | 61% TO 70% | 51% TO 60% | 41% TO 50% | 31% TO 40% | 21% TO 30% | 0% TO 20% |
| Less than 180 days    | Actual%                                      | 70%        | 60%        | 50%        | 40%        | 30%        | 20%        | 0%        |
| 180 days to 1 year    | 80%  | 70%        | 60%        | 50%        | 40%        | 30%        | 10%        | 0%        |
| Less than two years   | 75%  | 65%        | 60%        | 50%        | 40%        | 30%        | 10%        | 0%        |
| Less than three years | 50%  | 50%        | 40%        | 40%        | 40%        | 30%        | 10%        | 0%        |
| Less than four years  | 40%  | 30%        | 30%        | 30%        | 30%        | 20%        | 10%        | 0%        |
| Less than five years  | 20%  | 20%        | 20%        | 20%        | 20%        | 20%        | 10%        | 0%        |
| More than five years  | 0%   | 0%         | 0%         | 0%         | 0%         | 0%         | 0%         | 0%        |

**THE SMART MONEY IS ON**



Double Coin has sales, distribution and branch offices in the USA, Mexico, Central America, and Canada.

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