EARTHMAX
RADIAL OTR TIRES

# Tradefaire International Data Book 2021/2022 (Underground Mining)

www.tradefaire.com.au

# About TFI

Founded in 1992, **Tradefaire International Pty Ltd (TFI)** is a proud family-owned Australian company. From humble beginnings with the national supply of the Kumaneko brand of forklift tyres to Beaurepaires, we have forged a strong reputation for quality products, outstanding service and technical advice that has stood the test of time.

Over the years, our company has expanded to become one of the nation's major suppliers of off-the-road tyres across various market segments. In July 2013, we announced our division, TFI Earthmover, focusing on the mining, quarry and construction sectors. Recently we added our rubber track division to further enhance our offering.

TFI is the sole importer for quality tyre brands that include BKT, Durun, Tong Yong (TY) and Kumaneko. With a sophisticated national distribution and logistics network, TFI prides itself on supplying off-the-road tyres and services across Australia, New Zealand and Papua New Guinea.

We have extensive onsite service capabilities and our sales specialists are charged with exceeding our strong customer service principles, whilst providing reliable, sustainable and economically attractive outcomes. Our onsite fitment and specialist services provide the technical expertise to ensure our customers are in safe hands.

TFI Tyres has as well-established national distribution network to service your needs. With 9 dedicated warehouses across Australia and New Zealand you can rest assured of our prompt service and product deliveries.

# Earthmax SR 43

EARTHMAX
RADIAL OTR TYRES

**Earthmax SR 43 (L-4)** is an All Steel radial tyre specially designed for wheel loaders operating in severe rocky conditions, primarily underground mining. The tyre delivers excellent performance in load and carry operations in open pit mines, quarries and scrap yards. Its unique tread design offers superior traction and stability.

The reinforced sidewall minimises rock cuts and damages caused by scrubbing, whereas the self-cleaning tread pattern provides excellent protection from stone retention and drilling.

Thanks to its All Steel casing, Earthmax SR 43 (L-4) provides excellent durability, resistance to snags and punctures as well as a long service life.

## MACHINERY

**OTR**

Loader

## APPLICATIONS

**OTR**

Civil & Mining

| Tyre Size | Star Rating | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (10 Km/h) | | |
|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index |
| 29.5R25 | ** | 61 | 785 | 1875 | 22400 | 95 | 216A2 |
| 29.5R25 | *** | 61 | 785 | 1875 | 25750 | 116 | 221A2 |
| 29.5R29 | *** | 62 | 768 | 2003 | 27250 | 116 | 223A2 |
| 35/65R33 | ** | 61 | 785 | 1875 | 22400 | 95 | 216A2 |

# Earthmax SR 49 M

EARTHMAX
RADIAL OTR TYRES

**Earthmax SR 49 M** is an All Steel radial tyre specially designed for load haul dumps (LHD) and wheel loaders operating in severe rocky conditions primarily in underground mining.

Earthmax SR 49 M is ideal for severe operations requiring exceptional traction. The L-4 deep tread and the specially formulated UMS (underground mine service) compound provide a longer tread wear in addition to excellent resistance to rock cuts, and punctures.

## MACHINERY

**OTR**

Load Haul Dump

## APPLICATIONS

**OTR**

Mining, Civil & Underground

| Tyre Size | Star Rating TRA Code | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (50 Km/h) | | | Load Capacity (40 Km/h) Note:- Maximum average work-shift speed should not exceed 10 kmh | | | Load Capacity (10 Km/h) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index |
| • 26.5R25 | **** E4 UMS | 56 | 708 | 1782 | - | - | - | 19000 | 116 | 210A8 | - | - | - |
| 26.5R25 | **/* E4/L4 | 56 | 708 | 1782 | 11500 | 77 | 193B | - | - | - | 15000 | 73 | 202A2 |
| 26.5R25 | * L4 | 56 | 708 | 1782 | - | - | - | - | - | - | 15000 | 73 | 202A2 |
| 29.5R25 | * L4 | 57 | 780 | 1905 | - | - | - | - | - | - | 18000 | 73 | 208A2 |
| 29.5R25 | ** L4 | 57 | 780 | 1905 | - | - | - | - | - | - | 22400 | 95 | 216A2 |
| 29.5R25 | **/* E4/L4 | 57 | 780 | 1905 | 14000 | 77 | 200B | - | - | - | 18000 | 73 | 208A2 |
| • 29.5R25 | **** E4 UMS | 57 | 780 | 1905 | - | - | - | 23000 | 116 | 217A8 | - | - | - |
| 29.5R29 | *** L4 | 60 | 786 | 2006 | - | - | - | - | - | - | 27250 | 116 | 223A2 |
| • 29.5R29 | **** E4 UMS | 60 | 786 | 2006 | - | - | - | 24300 | 116 | 219A8 | - | - | - |

• Note:- Maximum average work-shift speed should not exceed 10 km/h.

# Earthmax SR 49

EARTHMAX
RADIAL OTR TYRES

**EARTHMAX SR 49** is an All Steel radial tyre that has been engineered for loaders and dozers.

EARTHMAX SR 49 provides optimum performance in severe mining operations requiring exceptional traction.

## MACHINERY

**OTR**

Loader, Dozer, Artic Dump Truck

## APPLICATIONS

**OTR**

Mining

| Tyre Size | Star Rating TRA Code | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (40 Km/h) | | | Load Capacity (10 Km/h) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index |
| 35/65R33 | ** L4 | 59 | 899 | 2061 | - | - | - | 28000 | 95 | 224A2 |
| • 35/65R33 | **** E4 UMS | 59 | 899 | 2061 | 29000 | 116 | 225A8 | - | - | - |
| 35/65R33 | *** L4 | 59 | 899 | 2061 | - | - | - | 32500 | 116 | 229A2 |
| 45/65R45 | ** L4 | 72 | 1130 | 2730 | - | - | - | 51500 | 95.00 | 245A2 |

• Note:- Maximum average work-shift speed should not exceed 10 km/h.

# Earthmax SR 53

EARTHMAX
RADIAL OTR TYRES

**EARTHMAX SR 53 (L-5)** is an All Steel radial tyre specially designed for loaders or dozers operating in severe rocky conditions, including in some cases underground operations.

The deep L-5 tread provides an extended wear life in addition to excellent self-cleaning.

## MACHINERY

**OTR**

Loader, Dozer

## APPLICATIONS

**OTR**

Mining

| Tyre Size | Star Rating | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (10 Km/h) | | |
|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index |
| 17.5R25 | * | 65.5 | 435 | 1400 | 7100 | 73 | 176A2 |
| 17.5R25 | ** | 65.5 | 435 | 1400 | 8500 | 95 | 182A2 |
| 17.5R25 | *** | 65.5 | 435 | 1400 | 10000 | 116 | 188A2 |
| • 17.5R25 | ** UMS | 65.5 | 435 | 1400 | 10000 | 116 | 188A2 |
| 20.5R25 | * | 78 | 535 | 1550 | 9500 | 73 | 186A2 |
| 23.5R25 | * | 83.5 | 604 | 1666 | 12150 | 73 | 195A2 |
| 23.5R25 | ** | 83.5 | 604 | 1666 | 14500 | 95 | 201A2 |
| 26.5R25 | * | 95 | 680 | 1788 | 15000 | 73 | 202A2 |
| 26.5R25 | ** | 95 | 680 | 1788 | 18500 | 95 | 209A2 |
| 26.5R25 | *** | 95 | 680 | 1788 | 21200 | 116 | 214A2 |
| • 26.5R25 | ** UMS | 95 | 680 | 1788 | 21200 | 116 | 214A2 |
| 29.5R25 | * | 103 | 770 | 1912 | 18000 | 73 | 208A2 |
| 29.5R25 | ** | 103 | 770 | 1912 | 22400 | 95 | 216A2 |
| • 29.5R25 | ** UMS | 103 | 770 | 1912 | 25750 | 116 | 221A2 |
| 29.5R29 | ** | 102 | 755 | 2015 | 23600 | 95 | 218A2 |
| 35/65R33 | ** | 92 | 910 | 2063 | 28000 | 95 | 224A2 |
| • 35/65R33 | ** UMS | 92 | 910 | 2063 | 32500 | 116 | 229A2 |
| 35/65R33 | *** | 92 | 910 | 2063 | 32500 | 116 | 229A2 |
| 45/65R39 | ** | 110 | 1100 | 2577 | 47500 | 95 | 242A2 |
| 45/65R45 | ** | 114 | 1125 | 2730 | 51500 | 95 | 245A2 |

• Note:- Maximum average work-shift speed should not exceed 10 km/h.

# Earthmax SR 55

## EARTHMAX
RADIAL OTR TYRES

**EARTHMAX SR 55 (L-5S)** is an All Steel radial tyre specially designed for loaders operating in the most severe quarry and mining operations.

Thanks to excellent cut protection resulting from the extra-deep and smooth tread design, EARTHMAX SR 55 is able to achieve peak productivity with reduced downtime. Equipment operators will also appreciate its extraordinary stability.

## MACHINERY

**OTR**

Underground Loader

## APPLICATIONS

**OTR**

Underground

| Tyre Size | Star Rating | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (10 Km/h) | | |
|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Load & Speed Index |
| 12.00R24 | ** | 58 | 305 | 1274 | 6900 | 120 | 175A2 |
| 17.5R25 | ** | 68 | 453 | 1399 | 8500 | 95 | 182A2 |
| 18.00R25 | ** | 86 | 513 | 1667 | 16000 | 120 | 204A2 |
| 20.5R25 | ** | 74 | 535 | 1543 | 11500 | 95 | 193A2 |
| 26.5R25 | ** | 95 | 690 | 1786 | 18500 | 95 | 209A2 |
| 29.5R25 | ** | 104 | 777 | 1912 | 22400 | 95 | 216A2 |
| 29.5R29 | ** | 104 | 775 | 2009 | 23600 | 95 | 218A2 |
| 35/65R33 | ** | 99 | 900 | 2065 | 28000 | 95 | 224A2 |

# Earthmax SR 57

EARTHMAX
RADIAL OTR TYRES

**EARTHMAX SR 57 (L-5)** is an All Steel radial tyre specially engineered for mini loaders operating in underground mines. The tyre provides superior traction, stability and comfort on severe and rocky surfaces. The L-5 extra deep tread and the specially formulated UMS (underground mine service) compound provide a longer tread wear in addition to extraordinary resistance to rock cuts, and punctures.

## MACHINERY

**OTR**

Drill Rig, Loader, Dozer

## APPLICATIONS

**OTR**

Mining

| Tyre Size | Star Rating | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity | | |
|---|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) | Max Speed km/h |
| 7.50R15 | * | 46 | 223 | 845 | 2385 | 115 | 10 |
| 8.25R15 | * | 47 | 240 | 880 | 2975 | 102 | 6 |
| 12.00R20 | * | 56 | 318 | 1180 | 5200 | 102 | 6 |
| 18.00R25 | ** | 80 | 515 | 1651 | 16000 | 120 | 10 |

# SM 55 Arashield

**SM 55 Arashield (L-5S)** is BKT's innovative response to severe rocky, abrasive and harsh underground mining environments.

This is a special construction with Aramid + Steel + Nylon cords. Uniquely formulated UMS compound for maximum wear resistance, protection against damage & rock cuts.

## MACHINERY

**OTR**

Underground Mining Vehicle, Load Haul Dump

## APPLICATIONS

**OTR**

Underground

| Tyre Size | Ply Rating | Tread Depth (mm) | Unloaded Inflated Dimensions */- 2% | | Load Capacity (10 Km/h) | |
|---|---|---|---|---|---|---|
| | | | Overall Width (mm) | Overall Diameter (mm) | Max Load (kg's) | Inflation Pressure (PSI) |
| 17.5-25 | 24 | 63.5 | 438 | 1365 | 9060 | 98 |
| 26.5-25 | 36 | 96 | 700 | 1798 | 18200 | 91 |
| 18.00-25 | 40 | 83 | 517 | 1665 | 17000 | 138 |
| 29.5-29 | 40 | 104 | 755 | 2020 | 23600 | 91 |
| 35/65-33 | 40 | 98 | 920 | 2085 | 28200 | 102 |

# **TY** Cushion Tyre
## Underground Drill Application Tyres

- Soft centre compound provides the operator with a pneumatic like tyre ride.
- Sidewall aperture are available to enhance the operator comfort and aid steering response.
- Special construction and compound specifically designed for the arduous tasks of the underground.
- As the TY is a resilient tyre, there is no risk of blow outs.
- No punctures, therefore no downtime.
- No air so they are virtually maintenance free.
- Press fit to existing rims.

TYRE WITHOUT APERTURES

| Tyre Size | Pattern | Tread Depth | Rim Size | Tyre Weight (kg's) | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diameter (mm) +/-3% | Width (mm) +/-3% | 6 km/h | 10 km/h | 25 km/h |
| 12.00-20 | D | 78 | 8.50-20 | 260 | 1150 | 300 | 13000 | 7800 | 3150 |

TYRE WITHOUT APERTURES

| Tyre Size | Pattern | Tread Depth | Rim Size | Tyre Weight (kg's) | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diameter (mm) +/-3% | Width (mm) +/-3% | 6 km/h | 10 km/h | 25 km/h |
| 14.00-24 | U | 95.5 | 10.00-24 | 432 | 1360 | 360 | 15000 | 9000 | 4000 |

Note: Tyre with apertures: Reduce above rated load capacities by 15%

# **TY** Cushion Tyre
# 45*20.5-25/17.00 H Pattern

## Wheel Loader Application Load Data
## Mining Compound + Underground Mining Structure

| Tyre Size | Pattern | Rim Size | Compound | Tyre Weight (kg's) | TKPH | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Diameter (mm) +/-3% | Width (mm) +/-3% | 6 km/h | 10 km/h | 25 km/h |
| 45*20.5-25 | H | 17.00-25 | Mining L3 + UMS | 366 | 90 | 1130 | 518 | 15000 | 9000 | 4000 |

## TKPH Rating

| Tyre Size | Pattern | Compound | TKPH | Load Ton | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 45*20.5-25 | H | Mining L3 + UMS | 90 | Rolling (mm) radius (inch) | 565 22.2 | 546 21.5 | 631.3 24.9 | 523.2 20.6 | 514 20.2 | 502.5 19.9 |
| | | | | Rolling resistance (kg) | 0 | 27 | 84 | 120 | 185 | 245 |

# TY Cushion Tyre
# 45*20.5-25/17.00 H Pattern

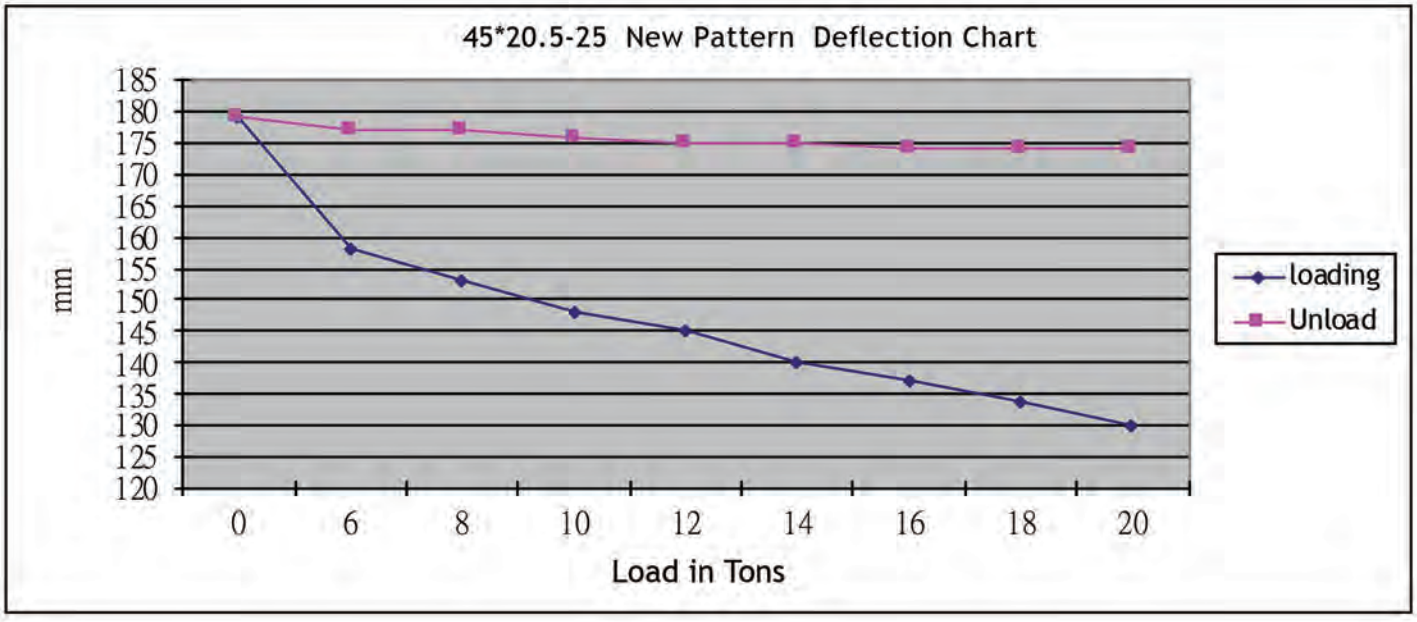
Overall Diameter: 1130mm
Overall Width: 518 mm
Rim Width Fitment: 17”

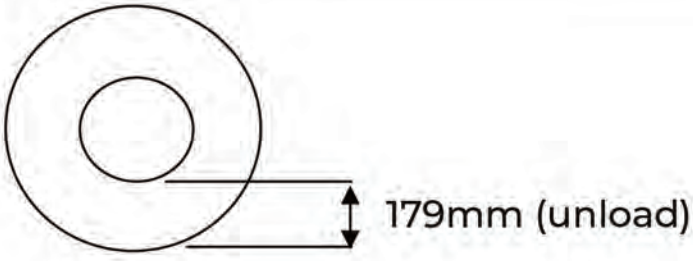
## 45*20.5-25 H Pattern L3+UMS Deflection Chart
## (L3 Mining + UMS Underground Mining Structure)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Loading (mm) | 179 | 158 | 153 | 148 | 145 | 140 | 137 | 134 | 130 |
| Unload (mm) | 179 | 177 | 177 | 176 | 175 | 175 | 174 | 174 | 174 |

## 45*20.5-25 H Pattern Contact Area ($cm^2$)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Length (cm) | 20.4 | 33.2 | 35 | 40.2 | 41.6 | 43 | 44.5 | 46.8 | 48.6 |
| Width (cm) | 41.1 | 48.6 | 49.4 | 49.7 | 50.3 | 50.4 | 50.8 | 51.2 | 51.8 |
| Contact Area ($cm^2$) | 838.4 | 1613.5 | 1729.0 | 1997.9 | 2092.5 | 2167.2 | 2260.6 | 2396.2 | 2517.5 |



# **TY** Cushion Tyre
# 49*20.5-25/17.00 H Pattern

## Wheel Loader Application Load Data
## Mining Compound + Underground Mining Structure

| Tyre Size | Pattern | Rim Size | Compound | Tyre Weight (kg's) | TKPH | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Diameter (mm) +/- 3% | Width (mm) +/- 3% | 6 km/h | 10 km/h | 25 km/h |
| 49*20.5-25 | H | 17.00-25 | Mining L3 + UMS | 475 | 100 | 1230 | 520 | 16000 | 10000 | 5000 |

## TKPH Rating

| Tyre Size | Pattern | Compound | TKPH | Load Ton | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 49*20.5-25 | H | Mining L3 + UMS | 100 | Rolling (mm) radius (inch) | 615 24.2 | 600 23.6 | 578 22.7 | 568 22.3 | 560 22 | 552 21.7 |
| | | | | Rolling resistance (kg) | 0 | 25 | 82 | 122 | 178 | 224 |

# **TY** Cushion Tyre
# 49*20.5-25/17.00 H Pattern

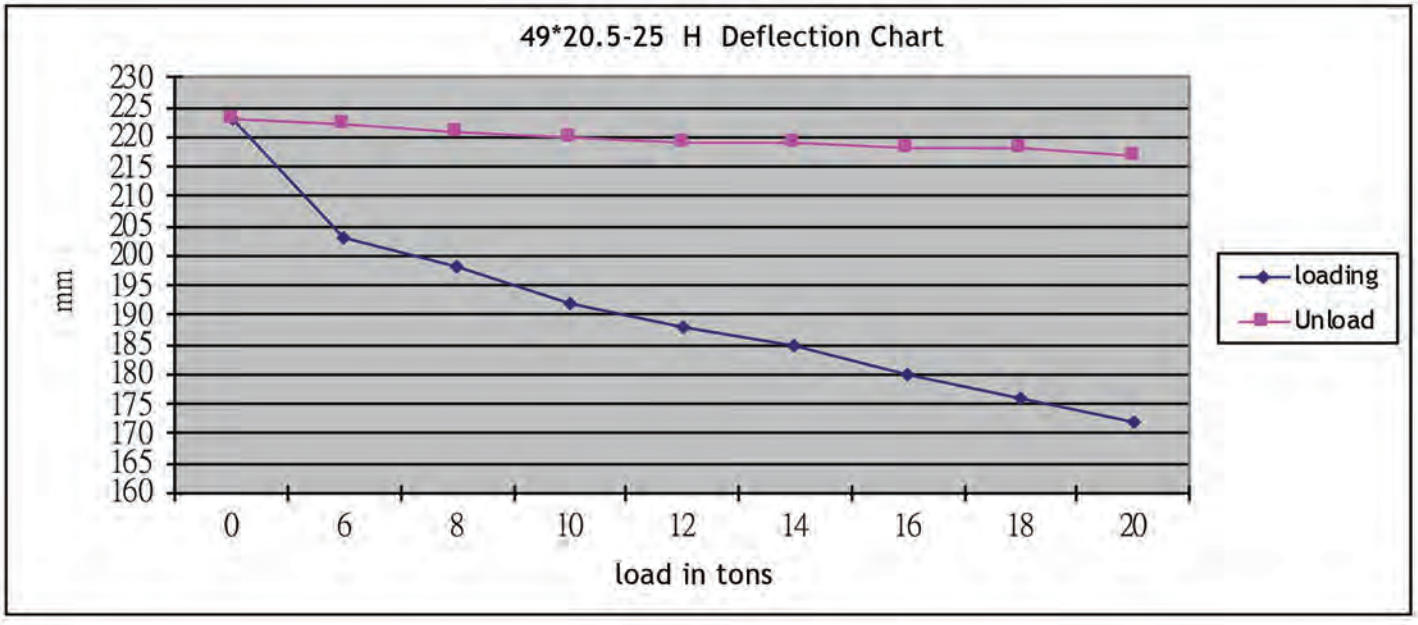
Overall Diameter: 1230mm
Overall Width: 520 mm
Rim Width Fitment: 17”

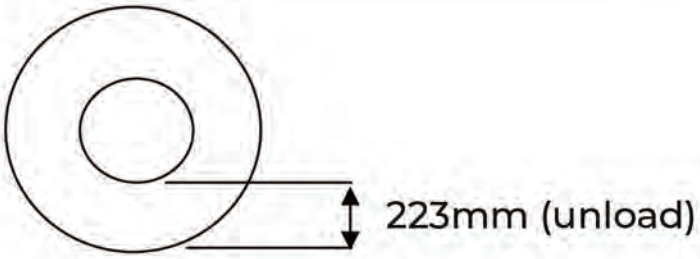
## 49*20.5-25 U L3+UMS Deflection Chart
## (L3 Mining + UMS Underground Mining Structure)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Loading (mm) | 223 | 203 | 198 | 192 | 188 | 185 | 180 | 176 | 172 |
| Unload (mm) | 223 | 222 | 221 | 220 | 219 | 219 | 218 | 218 | 217 |

## 49*20.5-25 H Contact Area ($cm^2$)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Length (cm) | 20.5 | 32.5 | 35.1 | 39.7 | 41.9 | 43.9 | 45.9 | 48 | 49 |
| Width (cm) | 41.1 | 48.6 | 49.4 | 49.7 | 50.4 | 50.6 | 50.7 | 51.1 | 51.9 |
| Contact Area ($cm^2$) | 842.6 | 1579.5 | 1733.9 | 1973.1 | 2111.8 | 2221.3 | 2327.1 | 2452.8 | 2543.1 |



# **TY** Cushion Tyre
# 17.5-25/14.00 D Pattern

## Shuttle Car Application Load Data
## Mining Compound + Underground Mining Structure

| Tyre Size | Pattern | Rim Size | Compound | Tyre Weight (kg's) | TKPH | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Diameter (mm) +/-3% | Width (mm) +/-3% | 6 km/h | 10 km/h | 25 km/h |
| 17.5-25 | D | 14.00-25 | Mining L3 + UMS | 468 | 130 | 1350 | 440 | 18000 | 13000 | 5000 |

## TKPH Rating

| Tyre Size | Pattern | Compound | TKPH | Load Ton | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 17.5-25 | D | Mining L3 + UMS | 130 | Rolling (mm) | 675 | 701 | 741 | 623 | 612 | 599 |
| | | | | radius (inch) | 26.6 | 27.6 | 29.2 | 24.5 | 24.1 | 22.1 |
| | | | | Rolling resistance (kg) | 0 | 2.5 | 30 | 52 | 96 | 125 |

# **TY** Cushion Tyre
# 17.5-25/14.00 D Pattern

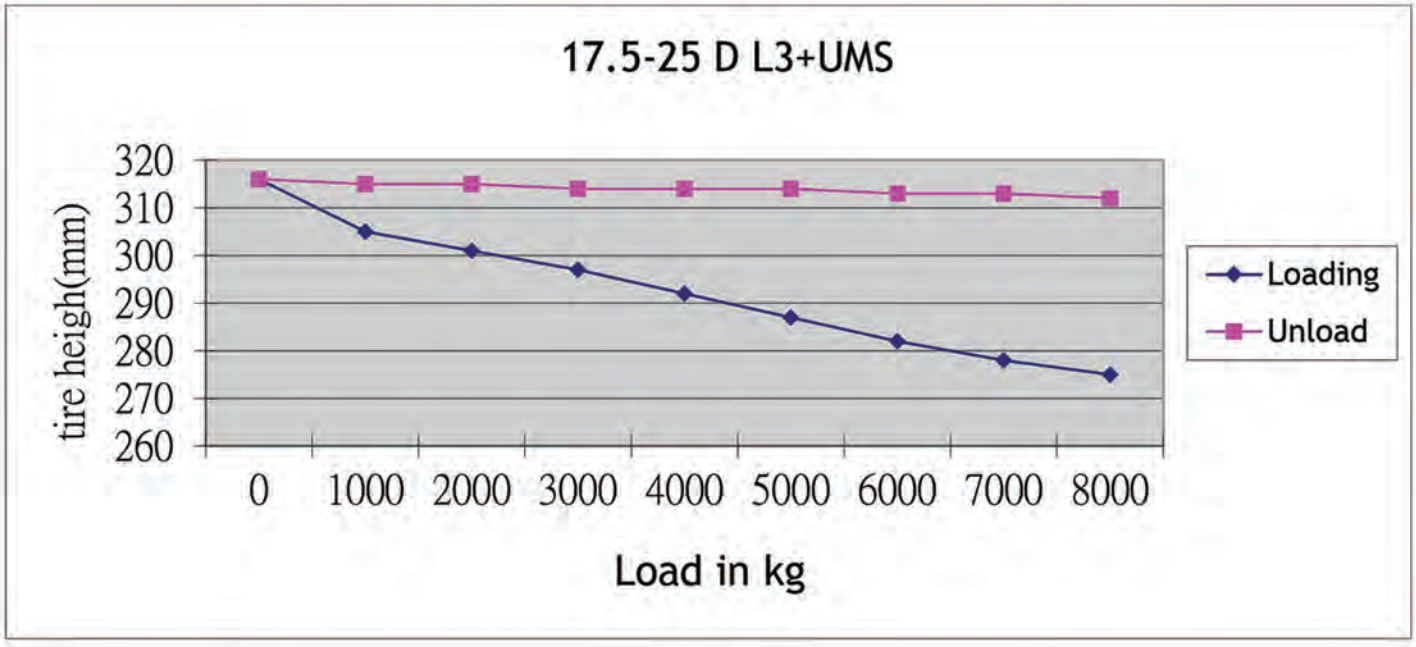
Overall Diameter: 1350mm
Overall Width: 440 mm
Rim Width Fitment: 14”

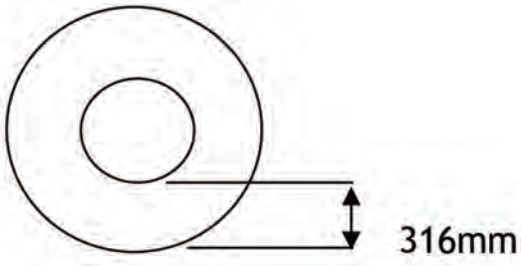
## 17.5-25/14.00 D L3+UMS Deflection Chart
## (L3 Mining + UMS Underground Mining Structure)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Loading (mm) | 316 | 305 | 301 | 297 | 292 | 287 | 282 | 278 | 275 |
| Unload (mm) | 316 | 315 | 315 | 314 | 314 | 314 | 313 | 313 | 312 |

## 17.5-25 D Foot Print Contact Area (cm2)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Length (cm) | 19.8 | 24.8 | 27.6 | 34.1 | 35.5 | 37 | 38.5 | 41.8 | 43.2 |
| Width (cm) | 28 | 31.8 | 34 | 38.2 | 38.8 | 39.5 | 40 | 40.7 | 41 |
| Contact Area ($cm^2$) | 554.4 | 788.6 | 938.4 | 1302.6 | 1377.4 | 1461.5 | 1540.0 | 1701.3 | 1771.2 |



# **TY** Cushion Tyre
# 17.5-25/14.00 D Pattern

## Wheel Loader Application Load Data
## Mining Compound + Underground Mining Structure

| Tyre Size | Pattern | Rim Size | Compound | Tyre Weight (kg's) | TKPH | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Diameter (mm) +/-3% | Width (mm) +/-3% | 6 km/h | 10 km/h | 25 km/h |
| 17.5-25 | D | 14.00-25 | Mining L3 + UMS | 468 | 130 | 1350 | 440 | 18000 | 13000 | 5000 |

## TKPH Rating

| Tyre Size | Pattern | Compound | TKPH | Load Ton | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| 17.5-25 | D | Mining L3 + UMS | 130 | Rolling (mm) | 675 | 701 | 741 | 623 | 612 | 599 |
| | | | | radius (inch) | 26.6 | 27.6 | 29.2 | 24.5 | 24.1 | 22.1 |
| | | | | Rolling resistance (kg) | 0 | 2.5 | 30 | 52 | 96 | 125 |

# **TY** Cushion Tyre
# 17.5-25/14.00 D Pattern

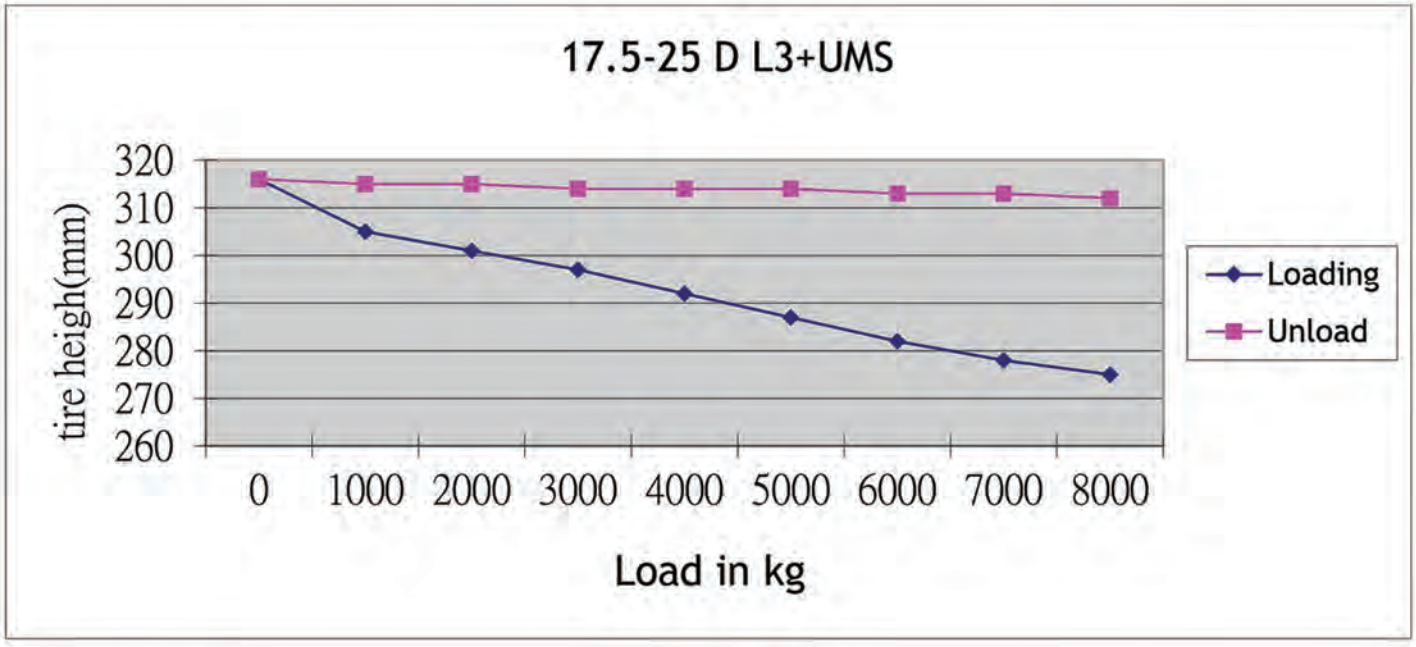
Overall Diameter: 1350mm
Overall Width: 440 mm
Rim Width Fitment: 14”

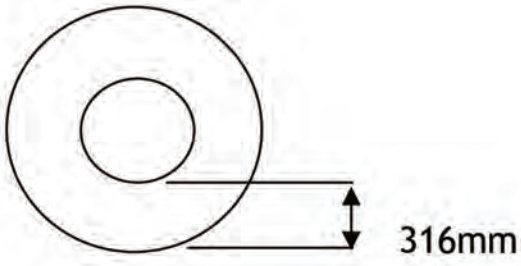
## 17.5-25/14.00 D L3+UMS Deflection Chart
## (L3 Mining + UMS Underground Mining Structure)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Loading (mm) | 316 | 305 | 301 | 297 | 292 | 287 | 282 | 278 | 275 |
| Unload (mm) | 316 | 315 | 315 | 314 | 314 | 314 | 313 | 313 | 312 |

## 17.5-25 D Foot Print Contact Area (cm2)

| Load in kg | 0 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
|---|---|---|---|---|---|---|---|---|---|
| Length (cm) | 19.8 | 24.8 | 27.6 | 34.1 | 35.5 | 37 | 38.5 | 41.8 | 43.2 |
| Width (cm) | 28 | 31.8 | 34 | 38.2 | 38.8 | 39.5 | 40 | 40.7 | 41 |
| Contact Area ($cm^2$) | 554.4 | 788.6 | 938.4 | 1302.6 | 1377.4 | 1461.5 | 1540.0 | 1701.3 | 1771.2 |



# **TY** Cushion Tyre
# Personnel Carrier Tyres

- **Cut Resistance**
  Design for the harshest of mine sites.

- **Low Rolling Resistance**
  Reduce energy waste with fuel & torque requirement low.

- **Static Free**
  TY mining compounds are anti-static, suitable for underground coal operations.

- **Low Heat Generation**
  Cool running compound to aid reductions in temperature build up within the tyre.

- **Super Soft**
  The combination of a super soft inner rubber compound and sidewall apertures provide excellent ride comfort, which is comparable to pneumatic tyre.

- **Safety**
  A resillient tyre removes the danger presented by pneumatic tyres, no blow outs, no punctures, no flying rim components.

| Tyre Size | Pattern | Rim Size | Compound | Tyre Weight (kg's) | Dimensions | | Load Capacity (kg's) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Diameter (mm) +/- 3% | Width (mm) +/- 3% | 6 km/h | 10 km/h | 25 km/h |
| 33x12-20 | F2A | 8.00-20 | H23 | 90.5 | 837 | 290 | 6700 | 4000 | 1800 |

# Poly-fil®

## TYRE FLAT PROOFING PRODUCT

### Poly-fil® 30 - Shore A 30 Durometer

Will fill most applications where tyre flat proofing is needed.
This product may be run at speed up to 88.5 Km/h for 4 hours. This is a reliable and economical material that will run all day long at 56 Km/h.

***Applications for Poly-fil® 30:***

- Military
- Construction
- Sea ports
- Steel Mills
- Factory vehicles
- Ports
- Street sweepers
- Skid Steers
- Loaders
- Forklifts
- Airports
- Amusement Parks
- Garbage & Sanitation Vehicle
- Mining & earthmoving equipment
- Vehicles running on highway for short durations of speeds of 88.5 Km/h or lower (i.e farm vehicles)

Polycoat Poly-fil ® is a two component system where all the air is removed from the tyre cavity and is replaced with a liquid polyurethane rubber. The liquid in the tyre cures at room temperature to a soft, resilient rubber that allows the tyre to maintain the flexing characteristics of a conventional air filled tyre.

Tyres with Poly -fil® will not deflate due to puncture of sidewall cuts. Poly-fil® allows equipment to operate at maximum efficiency as it reduces downtime due to flat tyres. Poly-fil® also helps extend tyre life as the tyre will not be subject to changes in air pressure, so the tyre does not run under or over inflated, which can also improve fuel economy.

Down time and tyre repair costs are substantially reduced when using tyres filled with Poly-fil®, while efficiency and productivity are improved.

Poly-fil® has been manufactured in Santa Fe Springs, California since 1985 by the original chemist that developed the product in 1972.

# NOTE

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